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About This Guide

The following topics are covered:

◊ Introduction
◊ Using Everbridge Suite Documentation
◊ Document Control Information
Introduction

The REST Application Programming Interface Guide provides programmatic access to the data model of the Everbridge Suite. REST is an acronym for Representation State Transfer. An API provides a way for two application programs to communicate. When you use the Everbridge system, a person from your organization interacts with the system to manage contacts and manage notifications and incidents. You can use the API to allow your other applications to work with Everbridge automatically.

For example, you could integrate your internal Human Resources (HR) system with the Everbridge system. When the HR team updates employee records, the contact information is automatically added, updated, or deleted in the Everbridge system.

The REST API can be found at https://api.everbridge.net.

The operations listed in this guide will support future REST API functionality for the Everbridge Suite.

The following sections provide information on how to use this guide, and outline any related Everbridge Suite publications.

Intended Audience

This guide is intended primarily for developers and application programmers who want to interact with the Everbridge Suite.

NOTE: As a “Best Practice”, API users should only have one role.

If you have any questions about the content of this guide, contact Everbridge Support at the following phone numbers:

◊ US/Canada Toll-Free: 866-436-4911
◊ Local/International: +1-818-230-9798

Or, contact Everbridge Support via email at support@everbridge.com, or our Everbridge Support Center portal at http://support.everbridge.com.
Using Everbridge Suite Documentation

This section:
◊ Outlines the structure and contents of this guide
◊ Provides a list of conventions used in the Everbridge Suite documentation set
◊ Identifies other related documentation

Contents of This Guide

This guide contains the following chapters and appendixes.

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<td>Chapter 2, Contact Management</td>
<td>Provides information about the Contact Management methods and operations you can use to launch and manage the Everbridge Suite.</td>
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<tr>
<td>Chapter 3, Notifications</td>
<td>Provides information about the Notifications methods and operations you can use to launch and manage the Everbridge Suite.</td>
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<tr>
<td>Chapter 4, Incident Management</td>
<td>Provides information about the Incident Management methods and operations you can use to launch and manage the Everbridge Suite.</td>
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<tr>
<td>Chapter 5, Response Subscription Profiles</td>
<td>Provides information about the methods and operations you can use to launch and manage Response Subscription Profiles in Everbridge Suite Settings &gt; Everbridge Open.</td>
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<td>Chapter 6, Users and Roles</td>
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<td>Chapter 7, Locations</td>
<td>Provides information about the methods and operations you can use to manage Locations.</td>
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<tr>
<td>Chapter 8, Scheduling</td>
<td>Provides information about the methods and operations you can use to manage your Scheduling APIs.</td>
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<tr>
<td>Chapter 9, ITA Smart Channel Integration</td>
<td>Provides information about the methods and operations you can use to manage your ITA Smart Channel Integration APIs.</td>
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<td>Provides information about the methods and operations you can use for your Conference Bridge APIs.</td>
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<tr>
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<td>Provides information about the methods and operations you can use for your Crisis Management APIs.</td>
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NOTE: To copy and paste the JSON objects, use the individual txt file of the same filename from the REST_API_JS_Files.zip folder.
Conventions

The following table describes the typographical conventions used in this guide.

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<th>Meaning</th>
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<tr>
<td>Monospace</td>
<td>Indicates text that should be entered exactly as shown (including punctuation) or examples of code. Here is an example of a command line:</td>
</tr>
<tr>
<td></td>
<td># mkdir /somedir</td>
</tr>
<tr>
<td>Bold</td>
<td>Indicates text that must be typed by the user. For example, From the Title field, type XXX and press TAB to advance to the next field.</td>
</tr>
<tr>
<td>Italic</td>
<td>Indicates one of the following:</td>
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<tr>
<td></td>
<td>◊ A cross-reference. For example, “For more information, see Related Documentation on page xvi”.</td>
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<tr>
<td></td>
<td>◊ A glossary term being defined for the first time.</td>
</tr>
<tr>
<td>ENTER, SHIFT, CTRL, TAB, and so forth</td>
<td>Workstation keyboard keys to be pressed are shown in uppercase type.</td>
</tr>
<tr>
<td>Press TAB.</td>
<td>To advance to the next field, instructions are to “press TAB.” Alternatively, you can click the primary mouse button in the next field.</td>
</tr>
<tr>
<td>&gt;</td>
<td>In step-by-step procedures, the &gt; symbol separates different commands to select. For example, select Incidents &gt; Incident Templates &gt; New Incident Template.</td>
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<tr>
<td>Interchangeable Terms</td>
<td>The following terms are used interchangeably:</td>
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<tr>
<td></td>
<td>◊ Mass Notification and MN</td>
</tr>
<tr>
<td></td>
<td>◊ Incident Communications and IC</td>
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<td>NOTE</td>
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Related Documentation

Documentation is provided to help you implement and run the Everbridge Suite of products. In addition to this publication, the Everbridge Suite documentation set consists of the following guides. You can view and/or download the PDF-formatted guides from Everbridge University. Print the PDFs in duplex (2-sided) mode to save resources.

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<td>Provides information about how the user can use the Crisis Management product. It introduces the key function points around planning, orchestration, and managing critical events.</td>
<td>Incident Administrators and Incident Operators of the Everbridge Suite system using the Crisis Events tab. Also for contacts as they receive tasks in their organization’s Member Portal.</td>
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<tr>
<td>Crisis Management User Guide</td>
<td></td>
<td></td>
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<tr>
<td>Everbridge Suite</td>
<td>The Everbridge Mobile App is available for Apple iPhone, Apple iPad, Android Smart Phones, and tablets. It enables two-way communications with your members. They can reply to surveys and supply additional information, including pictures and their location.</td>
<td>Administrators, contacts, and members who use the Everbridge Mobile App</td>
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<td>Everbridge Mobile App User</td>
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<td>Guide</td>
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<td>Guide</td>
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<td>Everbridge Suite User Guide</td>
<td>The reference source for using the production system. It provides information about the Mass Notification product to enable you to quickly set up configuration options and then use the system.</td>
<td>Administrators and operators</td>
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<tr>
<td>Everbridge Suite Incident Management User Guide</td>
<td>Provides the information that helps you automate your communication center operations and communication plans.</td>
<td>Account Administrators, Incident Administrators, and Incident Operators (users who will manage incidents and/or manage the communication plan for the organization)</td>
</tr>
<tr>
<td>Everbridge Suite Interactive Visibility User Guide</td>
<td>Enables administrators to set up configuration options so that operators can use the Interactive Visibility capabilities.</td>
<td>Administrators and operators, as well as opt-in members of their Member Portal</td>
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<tr>
<td>Everbridge Suite IT Alerting User Guide</td>
<td>Describes the use and workflow of the Everbridge IT Alerting interactive dashboard. It includes executive view, operations view, and chatops view, which are built on top of the IT operation incidents that have been sent.</td>
<td>All level of users from CIO, VP of Operations, Operations Manager, to the incident operators</td>
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<td>Everbridge Suite On-Boarding Services Guide</td>
<td>Provides an outline of the tasks stakeholders and account administrators should perform to prepare their organization ready for sending notifications.</td>
<td>Stakeholders and Account Administrators</td>
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<td>Everbridge Suite Safety Connection User Guide</td>
<td>Enables administrators to set up configuration options so that operators can use the safety connection capabilities.</td>
<td>Administrators and Group Managers</td>
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<td>Everbridge Suite Scheduling User Guide</td>
<td>Provides information about Scheduling. You can manage calendars, shifts, and staff from Contacts &gt; Scheduling.</td>
<td>Administrators, Group Managers, and Incident operators</td>
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<td>Provides information about the SMART Weather Alerting feature to enable you to set up configuration options and then use the system.</td>
<td>Administrators and operators</td>
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<td>REST Application Programming Interface Guide</td>
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<tr>
<td>Document Owner</td>
<td><a href="mailto:Lucy.Kajimoto@Everbridge.com">Lucy.Kajimoto@Everbridge.com</a></td>
</tr>
<tr>
<td>Document Version</td>
<td>1.0</td>
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<tr>
<td>Document Status</td>
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<tr>
<td>Classification</td>
<td>PUBLIC (Customers, Employees, and Contractors of Everbridge)</td>
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<tr>
<td>Compliance Scope</td>
<td>Information Handling and Document Control Policy v1.0</td>
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<tr>
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<td>The date shown on the Title Page</td>
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Document Change History

All publications are reviewed every product release, and updated as needed. See the Related Documentation section of the current Everbridge Suite Release Notes for a list of the major changes to each publication.
Usage

This describes the usage of the REST API (Representational State Transfer Application Programming Interface).

The following topics are covered:

- Authentication
- Rate Limiting
- Methods
- URI
- Responses
Authentication

The REST API (Representational State Transfer Application Programming Interface) uses Basic Authentication over HTTPs. In the Swagger interface (https://api.everbridge.net or https://api.everbridge.eu), this is presented as a required credentials field on every request, but the field is actually sent over the wire as an HTTP Basic Authorization header. The value of this header should be a Base64 encoding of this string, parameterized with the username and password of your API user:

```
username : password
```

For example, if your API user credentials were username "ryan" and password "thisisabadpassword", the credentials field would be the Base64 encoding of 
ryan:thisisabadpassword, or cnlhbjp0aGlzaXNhYmFkcGFzc3dvcmQ=.

You can use online tools like this: http://www.motobit.com/util/base64-decoder-encoder.asp, to handle Base64 encoding of your authentication strings.

If there are multiple roles for the API user, as default, the default role will be used to invoke API functionalities. In case the API user needs to call API functionalities by the desired role from his or her roles list, the user needs to put the desired roleid in a special Http header. For instance, this user has two roles in the same organization: one is Group Manager, and the other is Incident Admin. The Group Manager is set as the default role. The user can use an http header-like following to switch to the Incident Admin to launch the incident template.

```
Header name: EBHeader

Header value: ROLEID:<the numeric role ID of Incident Admin role> e.g., 
ROLEID:888666645213
```

The username and password pair must belong to a user who has the API User role within an organization that has been granted access to the API product. These privileges can only currently be set by direct DB access; they are not available through the EBAdmin portal at this time.

Further, each API method has its unique permissions, so a user can be enabled to use the API, but only granted a subset of the API methods. This gives you fine-grained control of how users access the information for your organization.

Ways to Authenticate REST API

There are six ways to authenticate REST API. See the following.

Username Password

```
Authorization (Mandatory): BASIC BASE64({USERNAME}: {PASSWORD})

(USERNAME): user’s name
(PASSWORD): user’s password
```
INTG
Authorization (Mandatory): BASIC BASE64({PROXY_USERNAME}:{PROXY_HASHED_USER_PASSWORD}:{USERNAME})
{PROXY_USERNAME}: proxy user’s name
{PROXY_HASHED_USER_PASSWORD}: proxy user’s password (hashed)
{USERNAME}: user’s name

OBO
Authorization (Mandatory): BASIC BASE64({PROXY_USERNAME}:{PROXY_USER_PASSWORD}:OBO:{USERNAME})
{PROXY_USERNAME}: proxy user’s name
{PROXY_USER_PASSWORD}: proxy user’s password
{USERNAME}: user’s name

SSO
Authorization (Mandatory): BASIC BASE64({PROXY_USERNAME}:{PROXY_HASHED_USER_PASSWORD}:OBOSSO:{USERID})
{PROXY_USERNAME}: proxy user’s name
{PROXY_HASHED_USER_PASSWORD}: proxy user’s password (hashed)
{USERID}: user’s ID

OBO SSO
Authorization (Mandatory): BASIC BASE64({PROXY_USERNAME}:{PROXY_HASHED_USER_PASSWORD}:OBOSSO:{USERID})
{PROXY_USERNAME}: proxy user’s name
{PROXY_HASHED_USER_PASSWORD}: proxy user’s password (hashed)
{USERID}: user’s ID

Mobile SSO
Authorization (Mandatory): BASIC BASE64(MOBILESSO:{USERID}:{TOKEN})
{USERID}: user’s ID
{TOKEN}: user’s mobile validation token
EBHeader

EBHeader (Optional)
EBHeader: EBMObILE;ROLEID:{ROLEID}
{ROLEID}: user’s role id

EBMobile (Optional)
Ignore organization API rights validation
Ignore the user level API rights validation

ROLEID (Optional)
Ignore user multiple roles check for organization
ROLEID must in the user’s role IDs, except for account admin
Rate Limiting

If Rate Limiting is enabled for an organization, the maximum number of requests per minute to initiate notifications and launch/update/close incidents will be limited by the settings from EBAdmin.

*Precondition: Rate Limiting is turned on for an organization.

◊ If the number of requests reaches the predefined limit, the request will get the following response with status code 429.

```
{
  "status": 429
  "message": "Too Many Requests - Organization 888409690210694 has used 40 times in 1 minutes, it's exceeded the limitation, please try it later."
}
```

◊ If the number of requests have not exceeded the limit, there will be additional http response headers to inform the client of the status of the requests.

- X-Rate-Limit-Period: 1 minutes
- X-Rate-Limit-Limit: 40
- X-Rate-Limit-Remaining: 20

**NOTE:** If the users use INTG or SSO authentication, they will have Organization Administration permissions even if they only have the lower permissions, such as those for an Incident Operator. However, the user who has multiple roles in the same organization cannot create/edit an integration.
Methods

In accordance with REST principles, the API server is a stateless, uniform, and consistent interface for interaction with the MN data model. The four primary methods are supported: GET, POST, PUT, and DELETE.

<table>
<thead>
<tr>
<th>Method</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GET</td>
<td>Retrieve a single instance or a collection of objects of a given type.</td>
</tr>
<tr>
<td>POST</td>
<td>Create a new instance of a type.</td>
</tr>
<tr>
<td>PUT</td>
<td>Update an existing instance of a type.</td>
</tr>
<tr>
<td>DELETE</td>
<td>Delete an instance of a given type.</td>
</tr>
</tbody>
</table>
The URI for most methods follows this convention:
/collectionName/organizationId/{instanceId}

- **collectionName**: The name of the data type returned or operated on by this set of methods.

- **organizationId**: Every method aside from GET /organizations requires an organizationId. The organization specified must be: 1) accessible to the user whose credentials are used, and 2) enabled for the API.

- **instanceId**: The ID of a specific instance of a collectionName object within organizationId. This path parameter is required for PUTs, DELETEs, and instance GETs. If this parameter is not provided for a GET, a paged collection result is returned.
Responses

All responses, whether successful or not, are of Content-Type application/json. Successful responses will have a “200 response code” and errors will have an HTTP response code that matches the type of the error (see the details below).

All responses will include a top-level JSON property called message. In successful responses, the value will always be "OK". For "non-200 responses," the message will provide details on the error.

There are three types of responses: instances, collections, and update confirmations.

Instance Results

Instance results contain a result property in addition to message. result is the JSON returned for this instance GET.

![instance.js](image)

Collection Results

Collection results return paged data representing all or part of a collection of data. This data is contained in the page property. Collection results also contain URLs to other pages of data in the collection to allow for easy algorithmic paging through the data. The totalCount, currentPageNo, and totalPageCount properties also provide information useful in understanding how the returned page fits into the full set of data available for this GET.

Within each page object is a pageSize property giving the configured maximum number of records in this page. Page sizes are not configurable via the API, so this data is purely informational.

The data array within the page object is the actual returned data for this page. Each JSON object in the page.data array is identical to the JSON result property of a GET /collectionName/organizationId/instanceId request for that object.
Update Results

Update results are returned for all PUT, POST, and DELETE methods. The JSON response contains the id of the record operated upon (note that this will be a new ID in the case of a POST) as well as an instanceUri parameter that can be used to initiate a GET for the updated or created instance.
Batch Operation Results

Batch operation results are returned for all PUT, POST, and DELETE methods. The JSON response contains the `errorInfo` of the record operated upon (the operation result has failure).

In all successful responses, the message value will always be "OK", the code value will be "100".

In partially successful responses, the message value will always be "Partial success", the code value will be "200", the `errorInfo` value provide details on the reasons for the failure.

In all unsuccessful responses, the message value will always be "All failed", the code value will be "300", the `errorInfo` value provide details on the reasons for the failure.

```json
{  
  "message": "All failed",  
  "code": "300",  
  "errorInfo": [  
    "The [1] Country value does not exist.",  
  ]
}
```

Error Codes

The REST API will return the following HTTP errors:

<table>
<thead>
<tr>
<th>Code</th>
<th>Status</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>400</td>
<td>Bad Request</td>
<td>This indicates that some portion of the request is not allowed by the server. This can be either because the JSON provided in a PUT or POST is invalid or because portion of the request violates constraints of the business logic.</td>
</tr>
<tr>
<td>401</td>
<td>Unauthorized</td>
<td>The credentials provided are incorrect, the user does not have the required permissions, or the user is attempting to access an organization to which they do not have access.</td>
</tr>
<tr>
<td>404</td>
<td>Not Found</td>
<td>The requested or specified object is not present in the data store.</td>
</tr>
<tr>
<td>500</td>
<td>Internal Error</td>
<td>Business logic within the API experienced an error handling the request. Debugging information will be provided in the <code>message</code> property.</td>
</tr>
</tbody>
</table>
Contact Management

This provides information about the Contact Management methods and operations you can use to launch and manage the Everbridge Suite.

The following topics are covered:

◊ Introduction
◊ Contacts
  ◦ Contacts Common Properties
  ◦ Contact Address
  ◦ GET /contacts/{organizationId}
  ◦ POST /contacts/{organizationId}
  ◦ GET /contacts/{organizationId}/{id:.+}
  ◦ PUT /contacts/{organizationId}/{id:.+}
  ◦ DELETE /contacts/{organizationId}/batch
  ◦ PUT /contacts/{organizationId}/batch
  ◦ POST /contacts/{organizationId}/batch
  ◦ DELETE /contacts/{organizationId}/batch
  ◦ GET /contacts/groups/{organizationId}
◊ Uploads
  ◦ Contact Upload Fields
  ◦ GET /uploads/{organizationId}
Chapter 2 – Contact Management

- POST /uploads/{organizationId}
- GET /uploads/{organizationId}/groups
- POST /uploads/{organizationId}/groups
- GET /uploads/{organizationId}/uploadBatchId
- GET /uploads/{organizationId}/groups/{uploadBatchId}
- GET /uploads/{organizationId}/groups/{uploadBatchId}/
- GET /uploads/{organizationId}/groups/{uploadBatchId}/

◊ Contact Filters
- Contact Filter Fields
- Contact Filter Rule Fields
- GET /contactFilters/{organizationId}
- POST /contactFilters/{organizationId}
- GET /contactFilters/{organizationId}/{queryValue}
- POST /contactFilters/{organizationId}/{contactFilterId}
- PUT /contactFilters/{organizationId}/{contactFilterId}
- DELETE /contactFilters/{organizationId}/{contactFilterId}

◊ Contact Paths
- GET /contactPaths/{organizationId}
- GET /contactPaths/{organizationId}/{instanceId}

◊ Contact Attributes
- GET /contactAttributes/{organizationId}/[contactAttributeld]
- GET /contactAttributes/{organizationId}
- POST /contactAttributes/{organizationId}
- PUT /contactAttributes/{organizationId}/[contactAttributeld]
- DELETE /contactAttributes/{organizationId}/[contactAttributeld]
- DELETE /contactAttributes/{organizationId}/[contactAttributeld]

◊ Groups
- Group Fields
- Error Status Codes
- GET /groups/{organizationId}
- POST /groups/{organizationId}
- GET /groups/{organizationId}/{queryValue}
- PUT /groups/{organizationId}/{groupId}
- DELETE /groups/{organizationId}/{groupId}
- POST /groups/{organizationId}/contacts
- POST /groups/{organizationId}/contacts
- POST /groups/{organizationId}/contacts/sequence
◊ **Organizations**
  - GET /organizations
  - GET /organizations/{organizationId}

◊ **Record Types**
  - **Record Type Fields**
  - GET /recordTypes/{organizationId}
  - POST /recordTypes/{organizationId}
  - GET /recordTypes/{organizationId}/{recordTypeId}
  - PUT /recordTypes/{organizationId}/{recordTypeId}
  - DELETE /recordTypes/{organizationId}/{recordTypeId}
Introduction

Within a given data type, the format of the data returned in a GET is identical to the format expected in the body of a PUT or POST.

TIP: Given this equivalence of input and output format, the easiest way to build PUTs and POSTs is often to perform a GET from the same collection and tweak the returned JSON to create a new or updated object.

Contacts Common Properties

Most objects share some or all of these common properties.

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type (Length)</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>id</td>
<td>long</td>
<td>x</td>
<td>The internal ID for a contact.</td>
</tr>
<tr>
<td>firstName</td>
<td>string (40)</td>
<td>x</td>
<td>The first name of the contact.</td>
</tr>
<tr>
<td>middleInitial</td>
<td>string (1)</td>
<td></td>
<td>The middle initial of the contact.</td>
</tr>
<tr>
<td>lastName</td>
<td>string (40)</td>
<td>x</td>
<td>The last name of the contact.</td>
</tr>
<tr>
<td>suffix</td>
<td>string (10)</td>
<td></td>
<td>The suffix of the contact.</td>
</tr>
<tr>
<td>externalId</td>
<td>string (50)</td>
<td></td>
<td>This is the user-defined unique identifier for a contact and must be unique. Typically an employee ID number is used.</td>
</tr>
<tr>
<td>ssoUserId</td>
<td>string (80)</td>
<td></td>
<td>The attribute used to identify a user coming from SSO (e.g. the NameID value from the SAML assertion).</td>
</tr>
<tr>
<td>country</td>
<td>string (2)</td>
<td></td>
<td>Must be a valid two character ISO country code (e.g. US, GB, DE).</td>
</tr>
<tr>
<td>registeredEmail</td>
<td>string</td>
<td>x</td>
<td>If the contact is registered with the member portal, this will be the email address used to register.</td>
</tr>
<tr>
<td>registeredDate</td>
<td>long</td>
<td>x</td>
<td>If registered with the member portal, Unix epoch date/time when the contact registered.</td>
</tr>
<tr>
<td>recordTypeId</td>
<td>long</td>
<td>x</td>
<td>This is the internal ID value of the record type of this contact. See Record Types on page 94.</td>
</tr>
<tr>
<td>createdDate</td>
<td>long</td>
<td>x</td>
<td>Unix epoch date/time when the contact was created.</td>
</tr>
<tr>
<td>createdId</td>
<td>long</td>
<td>x</td>
<td>Internal ID of the user that created this contact.</td>
</tr>
<tr>
<td>createdName</td>
<td>string</td>
<td>x</td>
<td>First and last name of the user that created this contact.</td>
</tr>
<tr>
<td>lastModifiedDate</td>
<td>long</td>
<td>x</td>
<td>Unix epoch date/time when the contact was last modified.</td>
</tr>
<tr>
<td>lastModifiedId</td>
<td>long</td>
<td>x</td>
<td>The internal ID of the user that last modified this contact.</td>
</tr>
<tr>
<td>lastModifiedName</td>
<td>string</td>
<td>x</td>
<td>The first and last name of the user that last modified this contact.</td>
</tr>
<tr>
<td>lastModifiedTime</td>
<td>long</td>
<td>x</td>
<td>Unix epoch date/time when the contact was last modified.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>x</td>
<td>The ID of the organization to which this contact belongs.</td>
</tr>
<tr>
<td>groups</td>
<td>long[]</td>
<td></td>
<td>An array of group IDs to which this contact belongs.</td>
</tr>
</tbody>
</table>
Contact Address

A contact address is a simple object. Address submitted via the API are NOT automatically geocoded.

If you wish for a contact's address to show up on the map, you must provide GIS location coordinates (example below) or upload the contact via a CSV file.

Contact Address Fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Data Type (Length)</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>locationName</td>
<td>string (50)</td>
<td>The name of this location, e.g. work, home, secondary office, etc.</td>
</tr>
<tr>
<td>streetAddress</td>
<td>string (300)</td>
<td>The street address associated with the contact address.</td>
</tr>
</tbody>
</table>
## Contact Address Object

```json
{
   "locationName": "Work",
   "streetAddress": "500 North Brand Boulevard",
   "suite": "Suite 100",
   "city": "Ventura",
   "state": "California",
   "postalCode": "91200",
   "country": "US",
   "gisLocation": {
      "lon": -118.254364,
      "lat": 34.153545
   }
}
```
Contacts

GET /contacts/{organizationId}

Description
Retrieve all contacts within an organization.

Return type
collection of contacts

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization containing these contacts.</td>
</tr>
<tr>
<td>pageNumber</td>
<td>int</td>
<td>y</td>
<td>The page of contact data to return.</td>
</tr>
<tr>
<td>groupIds</td>
<td>long</td>
<td>n</td>
<td>A list of group IDs from which to select contacts.</td>
</tr>
<tr>
<td>contactIds</td>
<td>long</td>
<td>n</td>
<td>list of contacts IDs to use when selecting contacts.</td>
</tr>
<tr>
<td>externalIds</td>
<td>string</td>
<td>n</td>
<td>A list of external IDs to use when selecting contacts.</td>
</tr>
<tr>
<td>contactFilterIds</td>
<td>long</td>
<td>n</td>
<td>A list of contactFilter IDs to use for selecting contacts.</td>
</tr>
<tr>
<td>includeShapes</td>
<td>string</td>
<td>n</td>
<td>A list of shapes to include in the search.</td>
</tr>
<tr>
<td>excludeShapes</td>
<td>string</td>
<td>n</td>
<td>A list of shapes to exclude from the search.</td>
</tr>
<tr>
<td>searchType</td>
<td>string</td>
<td>n</td>
<td>Valid values are OR or AND. searchType determines how the above query</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>parameters are combined to select contacts. The default is AND, meaning</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>that a contact must match all of the provided criteria to be returned by</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>this call. An OR query will match any of the provided criteria.</td>
</tr>
<tr>
<td>searchShapeTypes</td>
<td>string</td>
<td>n</td>
<td>A comma-separated list. The value can be &quot;STATIC&quot;,&quot;DYNAMIC&quot;,&quot;EXPECTED&quot;,</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>to specify search shape applies to what kind of contact address: static</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>address, lastKnownLocation, and expectedLocation.</td>
</tr>
<tr>
<td>sortBy</td>
<td>string</td>
<td>n</td>
<td>Valid values are lastModifiedDate, externalId or lastName. Specifying the</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>sort field for contacts. Note, if the value is &quot;lastModifiedDate&quot; and there</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>is no direction specified, the default sort direction is &quot;DESC&quot;.</td>
</tr>
<tr>
<td>direction</td>
<td>string</td>
<td>n</td>
<td>Valid values are ASC or DESC. Specifying the sort direction for &quot;sortBy&quot;.</td>
</tr>
</tbody>
</table>
Example Response

{
  "status": "A",
  "seq": 1,
  "createdId": 999,
  "createdName": "misher",
  "lastModifiedId": 4402341478419,
  "lastModifiedName": "orgleader yang",
  "createdDate": 1347680995522,
  "lastModifiedDate": 1347683401632,
  "organizationId": 8800387989534,
  "id": 13198434500612,
  "firstName": "misher",
  "lastName": "yang",
  "recordTypeId": 8800387989534,
  "recordTypeName": "Employee",
  "registedDate": 1392103994167,
  "registeredDate": 1392103994167,
  "registeredEmail": "user@everbridge.com",
  "registeredEmail": "user@everbridge.com",
  "externalId": "8061531088291120750",
  "timezoneId": "America/Los_Angeles",
  "paths": [
    {
      "pathId": 241901148045319,
      "value": "15910631550",
      "countryCode": "CN",
      "waitTime": 0,
      "priority": 0,

      "quietTimeFrames": [
        {
          "name": "working date",
          "days": [2, 3, 4, 5, 6],
          "fromHour": 1,
          "fromMin": 0,
          "toHour": 2,
          "toMin": 0
        }
      ]
    },
    {
      "pathId": 241901148045316,
      "value": "misher@everbridge.com",
      "waitTime": 0,
      "priority": 0
    },
    {
      "pathId": 241901148045325,
      "value": "yes",
      "waitTime": 0,
      "priority": 0
    }
  ]
}
{
  "systemRequirement": "American Messaging - Skytel",
  "phoneExt": "12",
  "waitTime": 0,
  "pathId": 219910915489807,
  "countryCode": "US",
  "value": "7818900908"
},
{
  "systemRequirement": "USA Mobility",
  "waitTime": 0,
  "pathId": 219910915489803,
  "value": "user@everbridge.com"
},
"groups": [4402341478403,
  4402341478404,
  4402341478405],
"address": [{
  "streetAddress": "a",
  "state": "Arizona",
  "country": "US",
  "locationName": "Home",
  "gisLocation": {
    "lon": -77.9,
    "lat": 38
  },
  "source": "MANUAL"
}],
"geoSearchAddress": [{
  "streetAddress": "a",
  "state": "Arizona",
  "country": "US",
  "locationName": "Home",
  "gisLocation": {
    "lon": -77.9,
    "lat": 38
  },
  "source": "MANUAL"
}],
"uploadProcessing": false,
"topics": [4402341478419,
  4402341478420,
  4402341478421,
  4402341478422,
  4402341478423,
  4402341478424,
  4402341478425,
  4402341478426,
  4402341478427,
4402341478428,
4402341478429],
"individualAccountId": 13198434500612,
"lastModifiedTime": 1347682437292
}
POST /contacts/{organizationId}

Description

Create a new contact within an organization. The response object contains at least as much as is in the CSV download; a contact contains the entire contact record as it exists in the database.

Users can set up quiet times for the delivery methods via POST/PUT methods of the Contact API. If 'quietTimeFrames' is used, "timezoneId" is required.

Input type

contact

Return type

update

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization containing the contacts.</td>
</tr>
<tr>
<td>contact</td>
<td>body</td>
<td>y</td>
<td>The JSON object describing the new contact.</td>
</tr>
</tbody>
</table>

Request Body

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type (Length)</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>firstName</td>
<td>string (40)</td>
<td>y</td>
<td>The first name of the contact.</td>
</tr>
<tr>
<td>middleInitial</td>
<td>string (1)</td>
<td>n</td>
<td>The middle initial of the contact.</td>
</tr>
<tr>
<td>lastName</td>
<td>string (40)</td>
<td>y</td>
<td>The last name of the contact.</td>
</tr>
<tr>
<td>suffix</td>
<td>string (10)</td>
<td>n</td>
<td>The suffix of the contact.</td>
</tr>
<tr>
<td>externalId</td>
<td>string (50)</td>
<td>y</td>
<td>This is the user-defined unique identifier for a contact and must be unique.</td>
</tr>
<tr>
<td>country</td>
<td>string (2)</td>
<td>n</td>
<td>Must be a valid two character ISO country code (e.g. US, GB, DE).</td>
</tr>
<tr>
<td>recordTypeld</td>
<td>long</td>
<td>y</td>
<td>This is the internal ID value of the record type of this contact. See Record Types on page 94.</td>
</tr>
<tr>
<td>groups</td>
<td>long[]</td>
<td>n</td>
<td>An array of group IDs to which this contact belongs.</td>
</tr>
<tr>
<td>Name</td>
<td>Data Type</td>
<td>Required?</td>
<td>Description</td>
</tr>
<tr>
<td>--------------------</td>
<td>-----------</td>
<td>-----------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>contactAttributes</td>
<td>contactAttribute</td>
<td>n</td>
<td>An array of contact attributes. See Contact Attributes for details.</td>
</tr>
<tr>
<td>paths</td>
<td>path</td>
<td>n</td>
<td>An array of delivery paths. The order specified will be the order of preference.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>&quot;pathId&quot;: See pathId constants,</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>&quot;countryCode&quot;: &quot;(ISO country code)&quot;,</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>&quot;value&quot;: &quot;(delivery path value)&quot;</td>
</tr>
<tr>
<td>NOTE:</td>
<td></td>
<td></td>
<td>For 'quietTimeFrames' of path. If 'quietTimeFrames' presents, 'timezoneId' is required.</td>
</tr>
<tr>
<td>◊ days: it is a list, where 1 stands for Sunday, 2 stands for Monday, and so on, 7 is for Saturday. Say Monday and Friday are selected. In DB it is like [2,6]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>◊ fromHour/toHour: presents in 24-hour clock; for example, 23 is for 11PM</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>◊ fromMin/toMin: from 0 to 59</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Something special for the update:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>◊ if 'quietTimeFrames' is none empty value, 'quietTimeFrames' for the path will be updated with the value.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>◊ If 'quietTimeFrames' is empty value - [], 'quietTimeFrames' for the path will be cleared.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>◊ If 'quietTimeFrames' is not present, 'quietTimeFrames' for the path will not be updated. In DB, it keeps the settings with no change.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>quietTimeFrames</td>
<td>quietTimeFrame</td>
<td>n</td>
<td>An array of quiet time frames. The max count of frames is 7. For each frame, the parameter name and days are required. The parameter days is an array of number 1, 2, 3, 4, 5, 6, and 7; 1 means Sunday, 2 means Monday, and so on. The API user can specify which weekday(s) to have a quiet time frame. The parameter fromHour and fromMin mean the start time of a frame; the toHour and toMin mean the end time of a frame; If fromHour, fromMin, toHour and toMin are not provided, that means all 24 hours are quiet time for specified day(s). For a sample, refer to below Example Request.</td>
</tr>
<tr>
<td>topics</td>
<td>long</td>
<td>n</td>
<td>An array of subscription IDs to which this contact has opted in to.</td>
</tr>
<tr>
<td>address</td>
<td>address</td>
<td>n</td>
<td>An array of addresses. For details, see Contact Address on page 15.</td>
</tr>
</tbody>
</table>
Example Request

{
  "firstName": "Raymond",
  "middleInitial": "R",
  "lastName": "Ray",
  "suffix": "Jr.",
  "externalId": "100456A",
  "country": "US",
  "recordTypeId": 448605039100089,
  "groups": [888418280147281],
  "contactAttributes": [
    {
      "values": [
        "Service A",
        "Service B"
      ],
      "orgAttrId": 281616710631998,
      "name": "Service"
    }
  ],
  "paths": [
    {
      "waitTime": 0,
      "pathId": 241901148045316,
      "value": "raymond.ray@mail.com",
      "skipValidation": false
    },
    {
      "waitTime": 0,
      "pathId": 241901148045319,
      "countryCode": "US",
      "value": "9139526918",
      "skipValidation": false,
      "quietTimeFrames": [
        {
          "name": "Sun",
          "days": [1, 3, 4],
          "fromHour": 20,
          "fromMin": 30,
          "toHour": 9,
          "toMin": 0
        }
      ]
    }
  ]
}
{
    "name": "Sat",
    "days": [
        7
    ],
    "fromHour": 21,
    "fromMin": 0,
    "toHour": 21,
    "toMin": 0
}
},
{
    "waitTime": 0,
    "pathId": 219910915489799,
    "countryCode": "US",
    "value": "8182309569",
    "skipValidation": false
},
{
    "waitTime": 0,
    "pathId": 241901148045324,
    "countryCode": "US",
    "value": "9139526918",
    "skipValidation": false
}
],
"topics": [
    884011643779727,
    884011643779736
],
"address": [
    {
        "streetAddress": "65 NE Monroe Street",
        "postalCode": "98074",
        "source": "MANUAL",
        "state": "Washington",
        "locationName": "Work",
        "suite": "Suite 2701",
        "country": "US",
        "city": "Redmond",
        "locationId": 0,
        "locationSourceId": 0
    }
],
"timezoneId": "America/Los_Angeles"}
Example Response

```
{
    "message": "OK",
    "id": {the internal id of the record just created},
    "baseUri": "https://api.everbridge.net/rest/contacts/{organizationId}/",
    "instanceUri": "https://api.everbridge.net/rest/contacts/{organizationId}/
    {contactId}"
}
```

GET /contacts/{organizationId}/[id:.+]

**Description**

Retrieve the specified contact within an organization.

**Return type**

contact Object

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization containing this contact.</td>
</tr>
<tr>
<td>id</td>
<td>string</td>
<td>y</td>
<td>The ID of this contact.</td>
</tr>
<tr>
<td>idType</td>
<td>string</td>
<td>n</td>
<td>Whether to search by contact.id or contact.externalId.</td>
</tr>
</tbody>
</table>
Example Response

{
    "message": "OK",
    "result": {
        "lastModifiedTime": 1422379932630,
        "organizationId": 453003085611516,
        "createdDate": 1422379932630,
        "createdName": "James Woods",
        "lastName": "Doe",
        "status": "A",
        "country": "US",
        "recordTypeId": 453003085611515,
        "lastModifiedName": "James Woods",
        "accountId": 0,
        "externalId": "100666B",
        "id": 910404217986795,
        "paths": [
            {
                "waitTime": 0,
                "pathId": 241901148045316,
                "value": "james.woods@mail.com",
                "skipValidation": false
            }
        ]
    }
}
PUT /contacts/{organizationId}/{id:.+}

Description

Update a contact within an organization.

**NOTE:** This API method cannot be used to remove a contact from a group. To remove contacts from a group, refer to DELETE /groups/{organizationId}/contacts on page 87.

Return type

contact Object
Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization in which to create this contact.</td>
</tr>
<tr>
<td>id</td>
<td>string</td>
<td>y</td>
<td>The ID of this contact to update.</td>
</tr>
<tr>
<td>idType</td>
<td>string</td>
<td>n</td>
<td>Whether to search by contact.id or contact.externalId.</td>
</tr>
<tr>
<td>contact</td>
<td>contact Wrapper</td>
<td>y</td>
<td>The JSON object describing the new contact.</td>
</tr>
</tbody>
</table>

Notes on Updating a Contact

◊ Use this call to add/update existing contacts, use DELETE /groups/[organizationId]/
  contacts to delete a contact from a group.
◊ Including the ID field in the request body is ignored. The contact to update is specified
  by the {contactId} given on the URI.
◊ Update the externalId value even if that's what you're using to identify the contact to
  update.
◊ Specifying an external ID in the request body that is different that the URI will attempt
  to update the contact's external ID.
  ▪ If the external ID value is already in the database, an error will be returned.
◊ Omitting a field entirely will update the missing field to be empty (for all non-array
  based fields).
◊ For contactAttributes, omitting one of the array elements will clear that one value.
  Omitting the entire contactAttributes, field will clear all additional information for that
  contact.
◊ For topic (subscriptions) omit IDs to remove, or omit the entire field to remove all topics.
◊ For addresses, omit a single one to remove it, or omit the entire addresses field to
  remove all addresses.
  ▪ For an address to show up on the map, you must include GIS coordinates.

**NOTE:** Omitting a field from the request body will delete the value from the contact, e.g.
submitting this contact.

In the example below, every single value field on the record, except for the four field
specified, would be deleted.
Example Request

```

[
{
  "firstName": "Haley",
  "lastName": "Palmer",
  "externalId": "100789",
  "recordTypeId": 89280736721854
}
]
```

DELETE /contacts/{organizationId}/batch

**Description**

Delete the specified contact(s) from an organization.

**Return type**

contact Object

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization in which to create this contact.</td>
</tr>
<tr>
<td>id</td>
<td>string</td>
<td>y</td>
<td>The ID of this contact to update.</td>
</tr>
<tr>
<td>idType</td>
<td>string</td>
<td>n</td>
<td>Whether to search by contact.id or contact.externalId.</td>
</tr>
</tbody>
</table>
Example Response

```json
{
    "message": "OK",
    "id": {the internal id of the record just deleted},
    "baseUri": "https://api.everbridge.net/rest/contacts/{organizationId}/",
    "instanceUri": "https://api.everbridge.net/rest/contacts/{organizationId}/
    {contactId}"
}
```

**PUT /contacts/{organizationId}/batch**

**Description**

Update many contacts within an organization. The suggested maximum number of contacts you can upload by using this API is 1,000 for US data store clients and 500 for non-US data store clients.

**Input type**

contact array

**Return type**

batch

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization in which to create this contact.</td>
</tr>
<tr>
<td>idType</td>
<td>string</td>
<td>n</td>
<td>Whether to update by contact.id or contact.externalId.</td>
</tr>
<tr>
<td>updateType</td>
<td>string</td>
<td>n</td>
<td>Whether to update by partial (only update the specified fields) or full (delete all fields not explicitly listed).</td>
</tr>
</tbody>
</table>
| contacts      | contactWrapper | y       | The JSON object describing the contacts.  
**NOTE:** The suggested maximum number of contacts you can upload by using this API method is 1,000.
Example Request

Request body is an array of contacts. The example shows the bare minimum fields to input for an example with two contacts.

[  
  {  
    "firstName": "Jeffery",  
    "lastName": "Matthews",  
    "externalId": "100600",  
    "recordTypeId": 453003085611515  
  },  
  {  
    "firstName": "Leslie",  
    "lastName": "Knope",  
    "externalId": "50143",  
    "recordTypeId": 453003085611515  
  }  
]

Example Response

{  
  "message": "OK",  
  "code": 100  
}

POST /contacts/{organizationId}/batch

Description

Create many contacts within an organization. The suggested maximum number of contacts you can upload by using this API is 1,000 for US data store clients and 500 for non-US data store clients.

If you use this method with an existing externalId it will update the contact and not attempt to create a duplicate. This breaks from REST conventions where POST is for creating a resource and PUT is for updating a resource.
Input type
contact array

Return type
batch

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization in which to create this contact.</td>
</tr>
<tr>
<td>version</td>
<td>int</td>
<td>y</td>
<td>Whether to use new batch API or not.</td>
</tr>
<tr>
<td>contacts</td>
<td>contact Wrapper</td>
<td>y</td>
<td>The JSON object describing the contacts.</td>
</tr>
</tbody>
</table>

NOTE: The suggested maximum number of contacts you can upload by using this API method is 1,000.

Example Request

Request Body is an array of contacts. The example shows four contacts with the minimum fields required.
DELETE /contacts/{organizationId}/batch

Description
Delete the specified contacts from an organization.

Example Response

```json
{
  "message": "OK",
  "code": 100
}
```
Return type
contact Object

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization in which to create this contact.</td>
</tr>
<tr>
<td>contactIds</td>
<td>string</td>
<td>y</td>
<td>The JSON object describing the contactIds.</td>
</tr>
<tr>
<td>idType</td>
<td>string</td>
<td>n</td>
<td>Whether to search by contact.id or contact.externalId.</td>
</tr>
</tbody>
</table>

Example Response

```json
{
  "message": "OK",
  "id": {the internal id of the record just deleted},
  "baseUri": "https://api.everbridge.net/rest/contacts/{organizationId}/",
  "instanceUri": "https://api.everbridge.net/rest/contacts/{organizationId}/ {contactId}"
}
```

GET /contacts/groups/{organizationId}

Description
Retrieve all contacts within a group. The response object contains all the data elements in the CSV download.

Return Type
collection of contacts
Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Optional?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>url</td>
<td>y</td>
<td>The ID of the organization containing this contact.</td>
</tr>
<tr>
<td>byType</td>
<td>query</td>
<td>y</td>
<td>Select by ID or name of group.</td>
</tr>
<tr>
<td>groupId</td>
<td>query</td>
<td>n</td>
<td>The ID of the group.</td>
</tr>
<tr>
<td>groupName</td>
<td>query</td>
<td>n</td>
<td>The name of the group.</td>
</tr>
<tr>
<td>pageNumber</td>
<td>query</td>
<td>n</td>
<td>The page of contact data to return.</td>
</tr>
</tbody>
</table>

Page size is 100, and pageNumber is assumed to be 1 if not provided.

Example Request

{url}/contacts/groups/{orgId} groupId={groupId}

Example Response

{
    "message": "OK",
    "firstPageUri": "https://api-qa1.everbridge.net/rest/contacts/241901148045320/?groupId=4402341478403&pageNumber=1",
    "lastPageUri": "https://api-qa1.everbridge.net/rest/contacts/241901148045320/?groupId=4402341478403&pageNumber=1",
    "page": {
        "pageSize": 100,
        "start": 0,
        "data": [
            {
                "lastModifiedTime": 1504834322299,
                "organizationId": 241901148045320,
                "registeredEmail": "michael.he@everbridge.com",
                "registeredEmail": "michael.he@everbridge.com",
                "createdDate": 1459402094273,
                "groups": [
                    4402341478403
                ],
                "createdName": "grace wu",
                "lastName": "he",
                "status": "A",
                "registeredDate": 1459491103148,
                "registeredDate": 1459491103148,
                "country": "US",
...
"recordTypeId": 241901148045320,
"lastModifiedName": "grace wu",
"accountId": 0,
"individualAccountId": 13198434500610,
"externalId": "he.michael@qg.com",
"id": 241901148045314,
"paths": [],
"firstName": "michael",
"uploadProcessing": false,
"resourceBundleId": 0,
"address": [],
"createdId": 241901148045324,
"lastModifiedId": 241901148045324,
"lastModifiedDate": 1505365318133,
"ssoUserId": "he.michael@dell.com",
"timeZoneId": "America/Los_Angeles",
"seq": 1
## Uploads

### Contact Upload Fields

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Read Only</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>id</td>
<td>long</td>
<td>x</td>
<td>This is the internal ID for the upload batch.</td>
</tr>
<tr>
<td>fileName</td>
<td>string</td>
<td></td>
<td>the name of the file in the upload batch.</td>
</tr>
<tr>
<td>fileSize</td>
<td>int</td>
<td></td>
<td>The size of the file.</td>
</tr>
</tbody>
</table>
| uploadMethod        | string    |           | ◊ PARTIAL—inserts new contacts and updates existing contacts. No other action is taken. Synonymous with the Update function.  
◊ WITH_RECORD_TYPE—inserts new contacts and updates existing contacts. Additionally, any contact not in the file but in the database will be permanently deleted.  
◊ DELETE—delete all contacts listed in the uploaded file. Synonymous with the Delete function. |
| successNum          | int       |           | Number of records loaded successfully.                                     |
| withErrorNum        | int       |           | Number of records partially loaded.                                        |
| criticalNum         | int       |           | Number of records not loaded due to a critical error.                      |
| geoSuccessNum       | int       |           | Number of records successfully geocoded.                                  |
| geoFailNum          | int       |           | Number of records unsuccessfully geocoded.                                |
| uploadStatus        | string    |           | The status of the upload.                                                 |
| createdDate         | long      | x         | Unix epoch date/time when the batch was created.                          |
| createdId           | long      | x         | Internal ID of the user that created the batch.                           |
| createdName         | string    | x         | First and last name of the user that created this batch.                  |
| lastModifiedDate    | long      | x         | Unix epoch date/time when the batch was last modified.                    |
| lastModifiedId      | long      | x         | Internal ID of the user that last modified this batch.                    |
| lastModifiedName    | string    | x         | First and last name of the user that last modified the batch.             |
| accountId           | long      | x         | The ID of the account that owns this resource.                             |
| status              | string    | x         | The status of the object. All records returned by the API should have a status of ‘A’ indicating that the record is active and has not been deleted.  
**NOTE:** Deleted records of any type are invisible to the API. |
| resourceBundleId    | long      | x         | The ID of the Role which owns this resource.                               |
| organizationId      | long      | x         | The ID of the organization to which this batch belongs.                   |
GET /uploads/{organizationId}

Description
Retrieve all upload batches for an organization.

Return type
upload Object

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization containing the uploads.</td>
</tr>
<tr>
<td>pageNumber</td>
<td>int</td>
<td>y</td>
<td>The page of upload results to return.</td>
</tr>
</tbody>
</table>

Example Response

```json
{
   "message": "OK",
   "firstPageUri": "https://api.everbridge.net/rest/uploads/{organizationId}/?pageNumber=1",
   "lastPageUri": "https://api.everbridge.net/rest/uploads/{organizationId}/?pageNumber=1",
   "page": {
      "pageSize": 10,
      "start": 0,
      "data": [
      {
         "headers": [
            {
               "csvColumnName": "First Name",
               "useful": true
            }
        ),
        {
        {
            "csvColumnName": "Last Name",
            "useful": true
        }
    ]
  }
}
```
{  "csvColumnName": "External ID",  "useful": true},
{  "csvColumnName": "Record Type",  "useful": true  },
{  "csvColumnName": "END",  "useful": false  }
]  
"accountId": 0,  
"organizationId": 453003085611516,  
"geoSuccessNum": 0,  
"fileId": 118,  
"file": 466201520245817,  
"uploadMethod": "PARTIAL",  
"createdDate": 1428418254361,  
"createdName": "Geri Yamin",  
"geoFailNum": 0,  
"status": "A",  
"withErrorNum": 0,  
"uploadStatus": "DONE",  
"resourceBundleId": 0,  
"criticalNum": 2,  
"source": "API",  
"successNum": 0,  
"fileName": "MarchUpload.csv",  
"createdId": 453003085611520,  
"lastModifiedId": 453003085611520,  
"lastModifiedDate": 1428418254552,  
"lastModifiedName": "Geri Yamin"
},
"headers": [  
{  "csvColumnName": "First Name",  "useful": true  },
{  "csvColumnName": "Last Name",  "useful": true  },
{  "csvColumnName": "External ID",  "useful": true  },
```

```


```json
{
    "recordTypeId": 453003085611515,
    "recordType": "Employee"
 }

},
"uploadMethod": "PARTIAL",
"createdDate": 1425929372633,
"createdName": "Robert Snow",
"geoFailNum": 0,
"status": "A",
"withErrorNum": 0,
"uploadStatus": "DONE",
"resourceBundleId": 0,
"criticalNum": 0,
"source": "WEB",
"successNum": 6,
"fileName": "MarchUpload2.csv",
"createdId": 453003085611520,
"lastModifiedId": 453003085611520,
"lastModifiedDate": 1425929693771,
"lastModifiedName": "Robert Snow"
}
"totalCount": 2,
"totalPageCount": 1,
"currentPageNo": 1
}```
**POST /uploads/{organizationId}**

**Description**
Upload a CSV for batch processing.

**Return type**
uploadBatch object

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization in containing the contacts.</td>
</tr>
<tr>
<td>uploadMethod</td>
<td>Upload Method</td>
<td>n</td>
<td>Type of upload to perform:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>◊ PARTIAL - inserts new contacts and updates existing contacts. No other</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>action is taken. Synonymous with the Update function in the UI.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>◊ WITH_RECORD_TYPE - inserts new contacts and updates existing contacts.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Additionally, any contact not in the file but in the database will be</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>permanently deleted.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>◊ DELETE - delete all contacts listed in the uploaded file. Synonymous with</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>the Delete function in the UI.</td>
</tr>
<tr>
<td>fileRequest</td>
<td>MultipartHttpServletRequest</td>
<td>y</td>
<td>Multipart file upload body</td>
</tr>
</tbody>
</table>

**Example Request**
The file requires using “Content-Type” of type “multipart/form-data”. Below is a curl example for reference:

```bash
curl --insecure -F "file=@{filename}.csv" --header "Authorization: Basic {credentials}" \
     https://api.everbridge.net/rest/uploads/{organizationId}/
?uploadMethod={method}
```
Example Response

```json
{
    "message": "OK",
    "id": "the internal id of the record just created",
    "baseUri": "https://api.everbridge.net/rest/uploads/{organizationId}/",
    "instanceUri": "https://api.everbridge.net/rest/uploads/{organizationId}/
{uploadBatchId}"
}
```

GET /uploads/{organizationId}/groups

**Description**

Retrieve all group upload batches for an organization.

**Return type**

uploadBatch object

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization containing the contacts.</td>
</tr>
<tr>
<td>pageNumber</td>
<td>int</td>
<td>y</td>
<td>The page number of uploads to return.</td>
</tr>
</tbody>
</table>
POST /uploads/{organizationId}/groups

Description
Upload a CSV for batch processing by group leader.

Return type
uploadBatch object

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization containing the contacts.</td>
</tr>
<tr>
<td>fileRequest</td>
<td>MultipartHttpServletRequest</td>
<td>y</td>
<td>Multipart file upload body</td>
</tr>
</tbody>
</table>
GET /uploads/{organizationId}/uploadBatchId

Description
Retrieve the specified uploadBatch within an organization.

Return type
uploadBatch object

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization containing the contacts.</td>
</tr>
<tr>
<td>uploadBatchId</td>
<td>long</td>
<td>y</td>
<td>The ID of the uploadBatch to return.</td>
</tr>
</tbody>
</table>

Example Response

```
{
    "message": "OK",
    "result": {
        "headers": [
            {
                "csvColumnName": "First Name",
                "useful": true
            },
            {
                "csvColumnName": "Last Name",
                "useful": true
            },
            {
                "csvColumnName": "External ID",
                "useful": true
            },
            {
                "csvColumnName": "Record Type",
                "useful": true
            }
        ]
    }
}
```
```json
{
   "csvColumnName": "Location 1",
   "useful": true
},
{
   "csvColumnName": "Street Address 1",
   "useful": true
},
{
   "csvColumnName": "City 1",
   "useful": true
},
{
   "csvColumnName": "State/Province 1",
   "useful": true
},
{
   "csvColumnName": "Postal Code 1",
   "useful": true
},
{
   "csvColumnName": "Email Address 1",
   "useful": true
},
{
   "csvColumnName": "SMS 1",
   "useful": true
},
{
   "csvColumnName": "Phone 1",
   "useful": true
},
{
   "csvColumnName": "END",
   "useful": false
}

"accountId": 0,
"organizationId": 453003085611516,
"geoSuccessNum": 6,
"fileSize": 720,
"id": 466201520214407,
"uploadRecordTypes": [
   {
      "recordTypeId": 453003085611515,
      "recordType": "Employee"
   }
]
```
"uploadMethod": "PARTIAL",
"createdDate": 1425937591225,
"createdName": "Lisa Rapoli",
"geoFailNum": 0,
"status": "A",
"withErrorNum": 0,
"uploadStatus": "DONE",
"resourceBundleId": 0,
"criticalNum": 0,
"source": "WEB",
"successNum": 6,
"fileName": "ContactUploadQ3.csv",
"createdId": 453003085611520,
"lastModifiedId": 453003085611520,
"lastModifiedDate": 1425937595082,
"lastModifiedName": "Lisa Rapoli"}
GET /uploads/{organizationId}/groups/{uploadBatchId}

Description
Retrieve the specified groups uploadBatch within an organization.

Return type
uploadBatch object

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization containing these contacts.</td>
</tr>
<tr>
<td>uploadBatchId</td>
<td>long</td>
<td>y</td>
<td>The ID of the uploadBatch to return.</td>
</tr>
</tbody>
</table>

GET /uploadContacts/{organizationId}/{uploadBatchId}

Description
Retrieve all upload contacts for an organization.

Return type
uploadContacts Object

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization containing the contacts.</td>
</tr>
<tr>
<td>uploadBatchId</td>
<td>long</td>
<td>y</td>
<td>The ID of the uploadBatch to return.</td>
</tr>
<tr>
<td>Name</td>
<td>Data Type</td>
<td>Required?</td>
<td>Description</td>
</tr>
<tr>
<td>-----------------------</td>
<td>-----------</td>
<td>-----------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>uploadRecordStatus</td>
<td>string</td>
<td></td>
<td>Whether to search by one of the following:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>◦ LOADED_SUCCESS</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>◦ LOADED_WITH_ERROR</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>◦ NOT_LOADED</td>
</tr>
<tr>
<td>columnName</td>
<td>string</td>
<td>n</td>
<td>Valid values are firstName, lastName, middleInitial, or externalId. Specifying the sort field for uploadcontacts.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><strong>NOTE:</strong> If the value is &quot;createdDate&quot; and there is no direction specified, the default sort direction is &quot;DESC&quot;.</td>
</tr>
<tr>
<td>orderDirection</td>
<td>string</td>
<td>n</td>
<td>Whether to order by ASC or DESC, the default sort direction is &quot;DESC&quot;.</td>
</tr>
<tr>
<td>pageNumber</td>
<td>int</td>
<td>y</td>
<td>The page number of uploadContacts to return.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Page size is 10, and pageNumber is assumed to be 1 if not provided.</td>
</tr>
</tbody>
</table>
GET /uploadContacts/{organizationId}/groups/{uploadBatchId}

**Description**
Retrieve all group upload contacts for an organization.

**Return type**
uploadContacts Object

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization containing the contacts.</td>
</tr>
<tr>
<td>uploadBatchId</td>
<td>long</td>
<td>y</td>
<td>The ID of the uploadBatch to return.</td>
</tr>
<tr>
<td>uploadRecordStatus</td>
<td>string</td>
<td></td>
<td>Whether to search by one of the following:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>◊ LOADED_SUCCESS</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>◊ LOADED_WITH_ERROR</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>◊ NOT_LOADED</td>
</tr>
<tr>
<td>columnName</td>
<td>string</td>
<td>n</td>
<td>Valid values are firstName, lastName, middleInitial, or externalId.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Specifying the sort field for uploadcontacts.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><strong>NOTE:</strong> If the value is &quot;createdDate&quot; and there is no direction specified,</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>the default sort direction is &quot;DESC&quot;.</td>
</tr>
<tr>
<td>orderDirection</td>
<td>string</td>
<td>n</td>
<td>Whether to order by ASC or DESC, the default sort direction is &quot;DESC&quot;.</td>
</tr>
<tr>
<td>pageNumber</td>
<td>int</td>
<td>y</td>
<td>The page number of uploadContacts to return.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Page size is 10, and pageNumber is assumed to be 1 if not provided.</td>
</tr>
</tbody>
</table>
## Contact Filters

### Contact Filter Fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Data Type (Length)</th>
<th>Required?</th>
<th>Read Only</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>id</td>
<td>long</td>
<td>n</td>
<td>x</td>
<td>The internal ID for a contact filter. It is visible on the URI in the UI.</td>
</tr>
<tr>
<td>name</td>
<td>string (100)</td>
<td>y</td>
<td></td>
<td>The name of the filter.</td>
</tr>
<tr>
<td>contactFilterType</td>
<td>string</td>
<td>n</td>
<td></td>
<td>Constant ContactRule.</td>
</tr>
<tr>
<td>contactFilterRules</td>
<td>contactFilterRule[]</td>
<td>y</td>
<td></td>
<td>An array of contactFilterrules.</td>
</tr>
<tr>
<td>createdDate</td>
<td>long</td>
<td>n</td>
<td>x</td>
<td>Unix epoch date/time when the filter was created.</td>
</tr>
<tr>
<td>createdId</td>
<td>long</td>
<td>n</td>
<td>x</td>
<td>Internal ID of the user that created this filter.</td>
</tr>
<tr>
<td>createdName</td>
<td>string</td>
<td>n</td>
<td>x</td>
<td>First and last name of the user that created this filter.</td>
</tr>
<tr>
<td>lastModifiedDate</td>
<td>long</td>
<td>n</td>
<td>x</td>
<td>Unix epoch date/time when the filter was last modified.</td>
</tr>
<tr>
<td>lastModifiedId</td>
<td>long</td>
<td>n</td>
<td>x</td>
<td>The internal ID of the user that last modified this filter.</td>
</tr>
<tr>
<td>lastModifiedName</td>
<td>string</td>
<td>n</td>
<td>x</td>
<td>The first and last name of the user that last modified this filter.</td>
</tr>
<tr>
<td>lastModifiedTime</td>
<td>long</td>
<td>n</td>
<td>x</td>
<td>Unix epoch date/time when the filter was last modified.</td>
</tr>
<tr>
<td>lastSynchronizedTime</td>
<td>long</td>
<td>n</td>
<td>x</td>
<td>Unix epoch date/time when the filter was last synchronized.</td>
</tr>
<tr>
<td>accountId</td>
<td>long</td>
<td>n</td>
<td>x</td>
<td>The ID of the account that owns this resource.</td>
</tr>
<tr>
<td>status</td>
<td>string</td>
<td>n</td>
<td>x</td>
<td>The status of the object. All records returned by the API should have a status of 'A' indicating that the record is active and has not been deleted. Deleted records of any type are invisible to the API.</td>
</tr>
<tr>
<td>resourceBundleId</td>
<td>long</td>
<td>n</td>
<td>x</td>
<td>The ID of the Role which owns this resource.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>n</td>
<td>x</td>
<td>The ID of the organization to which this filter belongs.</td>
</tr>
<tr>
<td>dirty</td>
<td>boolean</td>
<td>n</td>
<td>x</td>
<td>Whether the contacts of this group have been updated and need to refresh map layer data.</td>
</tr>
</tbody>
</table>
## Contact Filter Rule Fields

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type (Length)</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>id</td>
<td>long</td>
<td>x</td>
<td>The internal ID for a contact.</td>
</tr>
<tr>
<td>contactFieldId</td>
<td>long</td>
<td></td>
<td>Required if type is SYSTEM, SYSTEM_OBJECT or SYSTEM_ARRAY</td>
</tr>
<tr>
<td>columnName</td>
<td>string</td>
<td></td>
<td>Required if type is SYSTEM, SYSTEM_OBJECT or SYSTEM_ARRAY</td>
</tr>
<tr>
<td>columnValue</td>
<td>Depends on field type (string, date, number)</td>
<td></td>
<td>Required if type is SYSTEM, SYSTEM_OBJECT or SYSTEM_ARRAY</td>
</tr>
<tr>
<td>attributeId</td>
<td>long</td>
<td></td>
<td>Required if type is CUSTOM or CUSTOM_ARRAY</td>
</tr>
<tr>
<td>attributeValues</td>
<td>string[]</td>
<td></td>
<td>The values the filter is looking for. Required if type is CUSTOM or CUSTOM_ARRAY</td>
</tr>
</tbody>
</table>
| type              | string            |           | One of:  
  ◦ SYSTEM  
  ◦ CUSTOM  
  ◦ SYSTEM_OBJECT  
  ◦ SYSTEM_ARRAY  
  ◦ CUSTOM_ARRAY  
  ◦ SYSTEM_SCHEDULING  
  ◦ SYSTEM_EXPECTED_OBJECT  
| dataType          | string            |           | One of:  
  ◦ STRING  
  ◦ NUMBER  
  ◦ DATE  
  ◦ BOOLEAN |
<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type (Length)</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>operator</td>
<td>string</td>
<td></td>
<td>String</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- STARTWITH</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- ENDSWITH (ends with)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- E (equal to)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- NE (not equal to)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- LIKE (contains)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- NLIKE (does not contain)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- GT (greater than)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- LT (less than)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- GTE (greater than or equal to)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- LTE (less than or equal to)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Number</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- E (equal to)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- NE (not equal to)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- GT (greater than)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- LT (less than)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- GTE (greater than or equal to)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- LTE (less than or equal to)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Date field</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- E (equal to)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- LT (is before)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- LTE (is equal to or before)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- GT (is after)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- GTE (is equal to or after)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- BETWEEN (between two dates)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Single select list</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- E (equal to)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- NE (not equal to)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Multiple choice list</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- IN (contains)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- NIN (does not contain)</td>
</tr>
<tr>
<td>contactFilteroption</td>
<td>string</td>
<td></td>
<td>Same as operator</td>
</tr>
</tbody>
</table>
### Details below:

<table>
<thead>
<tr>
<th>columnName</th>
<th>dataType</th>
<th>type</th>
<th>operator</th>
<th>embeddedColumnName</th>
</tr>
</thead>
<tbody>
<tr>
<td>firstName</td>
<td>STRING</td>
<td>SYSTEM</td>
<td>STARTWITH,ENDWITH,E,NE,LIKE,NLIKE</td>
<td></td>
</tr>
<tr>
<td>lastName</td>
<td>STRING</td>
<td>SYSTEM</td>
<td>STARTWITH,ENDWITH,E,NE,LIKE,NLIKE</td>
<td></td>
</tr>
<tr>
<td>middleInitial</td>
<td>STRING</td>
<td>SYSTEM</td>
<td>STARTWITH,ENDWITH,E,NE,LIKE,NLIKE</td>
<td></td>
</tr>
<tr>
<td>suffix</td>
<td>STRING</td>
<td>SYSTEM</td>
<td>STARTWITH,ENDWITH,E,NE,LIKE,NLIKE</td>
<td></td>
</tr>
<tr>
<td>externalId</td>
<td>STRING</td>
<td>SYSTEM</td>
<td>STARTWITH,ENDWITH,E,NE,LIKE,NLIKE</td>
<td></td>
</tr>
<tr>
<td>country</td>
<td>STRING</td>
<td>SYSTEM</td>
<td>STARTWITH,ENDWITH,E,NE,LIKE,NLIKE</td>
<td></td>
</tr>
<tr>
<td>recordTypeId</td>
<td>NUMBER</td>
<td>SYSTEM</td>
<td>ISNULL,NOTNULL</td>
<td></td>
</tr>
<tr>
<td>userId</td>
<td>NUMBER</td>
<td>SYSTEM</td>
<td>ISNULL,NOTNULL</td>
<td></td>
</tr>
<tr>
<td>individualAccountId</td>
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<td></td>
</tr>
<tr>
<td>lastModifiedDate</td>
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<td>SYSTEM</td>
<td>BETWEEN,LT,LTE,GT,GTE</td>
<td></td>
</tr>
<tr>
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<td>SYSTEM</td>
<td>STARTWITH,ENDWITH,E,NE,LIKE,NLIKE</td>
<td></td>
</tr>
<tr>
<td>registeredEmail</td>
<td>STRING</td>
<td>SYSTEM</td>
<td>STARTWITH,ENDWITH,E,NE,LIKE,NLIKE</td>
<td></td>
</tr>
<tr>
<td>registeredDate</td>
<td>DATE</td>
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<td>BETWEEN,LT,LTE,GT,GTE</td>
<td></td>
</tr>
<tr>
<td>groups</td>
<td>NUMBER</td>
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<td>IN,NIN</td>
<td></td>
</tr>
<tr>
<td>value</td>
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<td>SYSTEM_OBJECT</td>
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<td>paths</td>
</tr>
<tr>
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<td>SYSTEM_OBJECT</td>
<td>STARTWITH,ENDWITH,E,NE,LIKE,NLIKE</td>
<td>address</td>
</tr>
<tr>
<td>streetAddress</td>
<td>STRING</td>
<td>SYSTEM_OBJECT</td>
<td>STARTWITH,ENDWITH,E,NE,LIKE,NLIKE</td>
<td>address</td>
</tr>
<tr>
<td>suite</td>
<td>STRING</td>
<td>SYSTEM_OBJECT</td>
<td>STARTWITH,ENDWITH,E,NE,LIKE,NLIKE</td>
<td>address</td>
</tr>
<tr>
<td>city</td>
<td>STRING</td>
<td>SYSTEM_OBJECT</td>
<td>STARTWITH,ENDWITH,E,NE,LIKE,NLIKE</td>
<td>address</td>
</tr>
<tr>
<td>state</td>
<td>STRING</td>
<td>SYSTEM_OBJECT</td>
<td>STARTWITH,ENDWITH,E,NE,LIKE,NLIKE</td>
<td>address</td>
</tr>
<tr>
<td>postalCode</td>
<td>STRING</td>
<td>SYSTEM_OBJECT</td>
<td>STARTWITH,ENDWITH,E,NE,LIKE,NLIKE</td>
<td>address</td>
</tr>
<tr>
<td>country</td>
<td>STRING</td>
<td>SYSTEM_OBJECT</td>
<td>STARTWITH,ENDWITH,E,NE,LIKE,NLIKE</td>
<td>address</td>
</tr>
<tr>
<td>address.gisLocation.lon</td>
<td>NUMBER</td>
<td>SYSTEM</td>
<td>ISNULL,NOTNULL</td>
<td>address</td>
</tr>
<tr>
<td>addressGeoCodingSource</td>
<td>STRING</td>
<td>SYSTEM_OBJECT</td>
<td>IN,NIN</td>
<td>address</td>
</tr>
<tr>
<td>locationId</td>
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<td>E,NE,LT,LTE,GT,GTE</td>
<td>paths</td>
</tr>
<tr>
<td>floorNo</td>
<td>STRING</td>
<td>SYSTEM_OBJECT</td>
<td>STARTWITH,ENDWITH,E,NE,LIKE,NLIKE</td>
<td>address</td>
</tr>
<tr>
<td>floorNo</td>
<td>STRING</td>
<td>SYSTEM_OBJECT</td>
<td>STARTWITH,ENDWITH,E,NE,LIKE,NLIKE</td>
<td>lastKnownLocation</td>
</tr>
<tr>
<td>address.streetAddress</td>
<td>BOOLEAN</td>
<td>SYSTEM</td>
<td>ISNULL,NOTNULL</td>
<td>address</td>
</tr>
<tr>
<td>gisLocation.lat</td>
<td>NUMBER</td>
<td>SYSTEM_OBJECT</td>
<td>E,NE,LT,LTE,GT,GTE</td>
<td>address</td>
</tr>
<tr>
<td>gislocation.lon</td>
<td>NUMBER</td>
<td>SYSTEM_OBJECT</td>
<td>E,NE,LT,LTE,GT,GTE</td>
<td>address</td>
</tr>
<tr>
<td>pathId</td>
<td>NUMBER</td>
<td>SYSTEM_OBJECT</td>
<td>IN,NIN</td>
<td>paths</td>
</tr>
<tr>
<td>createdDate</td>
<td>DATE</td>
<td>SYSTEM</td>
<td>BETWEEN,LT,LTE,GT,GTE</td>
<td></td>
</tr>
<tr>
<td>topics</td>
<td>NUMBER</td>
<td>SYSTEM</td>
<td>IN,NIN</td>
<td></td>
</tr>
<tr>
<td>systemRequirement</td>
<td>STRING</td>
<td>SYSTEM_OBJECT</td>
<td>STARTWITH,ENDWITH,E,NE,LIKE,NLIKE</td>
<td>paths</td>
</tr>
</tbody>
</table>
### GET /contactFilters/{organizationId}

**Description**

Retrieve multiple contact filters.

**Return type**

contactFilter Object

---

<table>
<thead>
<tr>
<th>columnName</th>
<th>dataType</th>
<th>type</th>
<th>operator</th>
<th>embeddedColmnName</th>
</tr>
</thead>
<tbody>
<tr>
<td>calendar</td>
<td>NUMBER</td>
<td>SYSTEM_SCHEDULING</td>
<td>E</td>
<td></td>
</tr>
<tr>
<td>shift</td>
<td>NUMBER</td>
<td>SYSTEM_SCHEDULING</td>
<td>E</td>
<td></td>
</tr>
<tr>
<td>shiftDate</td>
<td>DATE*</td>
<td>SYSTEM_SCHEDULING</td>
<td>BETWEEN</td>
<td></td>
</tr>
<tr>
<td>ssoIdentity</td>
<td>STRING</td>
<td>SYSTEM</td>
<td>STARTWITH,ENDWITH,E,NE,LIKE,NLIKE</td>
<td>address</td>
</tr>
<tr>
<td>smUserId</td>
<td>NUMBER</td>
<td>SYSTEM</td>
<td>ISNULL,NOTNULL</td>
<td></td>
</tr>
<tr>
<td>expectedDate</td>
<td>DATE*</td>
<td>SYSTEMEXPECTED_OBJECT</td>
<td>BETWEEN,LT,LTE,GT,GTE, BETWEEN</td>
<td>address</td>
</tr>
<tr>
<td>locationName</td>
<td>STRING</td>
<td>SYSTEMEXPECTED_OBJECT</td>
<td>STARTWITH,ENDWITH,E,NE,LIKE,NLIKE</td>
<td>address</td>
</tr>
<tr>
<td>city</td>
<td>STRING</td>
<td>SYSTEMEXPECTED_OBJECT</td>
<td>STARTWITH,ENDWITH,E,NE,LIKE,NLIKE</td>
<td>address</td>
</tr>
<tr>
<td>state</td>
<td>STRING</td>
<td>SYSTEMEXPECTED_OBJECT</td>
<td>STARTWITH,ENDWITH,E,NE,LIKE,NLIKE</td>
<td>address</td>
</tr>
<tr>
<td>country</td>
<td>STRING</td>
<td>SYSTEMEXPECTED_OBJECT</td>
<td>STARTWITH,ENDWITH,E,NE,LIKE,NLIKE</td>
<td>address</td>
</tr>
<tr>
<td>iata</td>
<td>STRING</td>
<td>SYSTEMEXPECTED_OBJECT</td>
<td>STARTWITH,ENDWITH,E,NE,LIKE,NLIKE</td>
<td>address</td>
</tr>
<tr>
<td>locationId</td>
<td>STRING</td>
<td>SYSTEMEXPECTED_OBJECT</td>
<td>E,NE,LT,LTE,GT,GTE</td>
<td>address</td>
</tr>
</tbody>
</table>

**NOTE**: columnName(except expectedDate, shiftDate) depends on operator, if it is IN, NIN, BETWEEN, columnNameValue should be an array, otherwise as dataType indicates.

expectedDate and shiftDate are special. Their value should be an array with three elements, and there are only two patterns: ["NOW",null,null] or ["BETWEEN", fromDate, toDate].
Chapter 2 – Contact Management

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization containing the contacts.</td>
</tr>
<tr>
<td>pageNumber</td>
<td>int</td>
<td>y</td>
<td>The page number of results to retrieve. Default is 1.</td>
</tr>
</tbody>
</table>

```json
{
    "message": "OK",
    "firstPageUri": "https://api.everbridge.net/rest.contactFilters/{organizationId}/?pageNumber=1",
    "nextPageUri": "https://api.everbridge.net/rest.contactFilters/{organizationId}/?pageNumber=2",
    "lastPageUri": "https://api.everbridge.net/rest.contactFilters/{organizationId}/?pageNumber=1",
    "page": {
        "pageSize": 20,
        "start": 1,
        "data": [
            // filter 1 see filter
        ],
        // filter 2
        ...
        // filter N
    },
    "totalCount": 20,
    "totalPageCount": 1,
    "currentPageNo": 1
}
```
POST /contactFilters/{organizationId}

Description

Create a new contactFilter within an organization.

Return type

contactFilter Object

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization containing the contacts.</td>
</tr>
<tr>
<td>contactFilter</td>
<td>contactFilterWrapper</td>
<td>y</td>
<td>The JSON object describing the new contactFilter.</td>
</tr>
</tbody>
</table>
Example Request Body

{
   "name": "DBAs",
   "contactFilterRules": [
      {
         "attributeId": 3549227829428287,
         "type": "CUSTOM",
         "operator": "LIKE",
         "dataType": "STRING",
         "attributeValues": [
            "DBA"
         ],
         "contactFilterOption": "LIKE"
      },
      {
         "contactFieldId": 1,
         "type": "SYSTEM",
         "operator": "NLIKE",
         "dataType": "STRING",
         "columnName": "firstName",
         "contactFilterOption": "NLIKE",
         "columnValue": "Mike"
      }
   ]
}

Example Returns

{
   "message": "OK",
   "id": {the internal id of the record just created},
   "baseUri": "https://api.everbridge.net/rest/contactFilters/{organizationId}/",
   "instanceUri": "https://api.everbridge.net/rest/contactFilters/{organizationId}/{contactFilterId}"
}
GET /contactFilters/{organizationId}/{queryValue}

**Description**
Retrieve the specified contactFilter within an organization.

**Return type**
contactFilter Object

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization containing the contacts.</td>
</tr>
<tr>
<td>queryValue</td>
<td>string</td>
<td>y</td>
<td>The ID or name of the contactFilter.</td>
</tr>
<tr>
<td>queryType</td>
<td>string</td>
<td>y</td>
<td>Whether to search by contactFilter.id or contactFilter.Name.</td>
</tr>
</tbody>
</table>
POST /contactFilters/{organizationId}/{contactFilterId}

Description
Retrieve a single contactFilter.

Parameters
None

Returns

```json
{
    "id": 3083039194221618,
    "name": "Applications Primary On Call",
    "contactFilterType": "ContactRule",
    "contactFilterRules": [
    {
        "contactFieldId": 200,
        "type": "SYSTEM_SCHEDULING",
        "operator": "E",
        "dataType": "NUMBER",
        "columnName": "calendar",
        "contactFilterOption": "E",
        "columnValue": 3083034899251300
    },
    {
        "contactFieldId": 201,
        "type": "SYSTEM_SCHEDULING",
        "operator": "E",
        "dataType": "NUMBER",
        "columnName": "shift",
        "contactFilterOption": "E",
        "columnValue": 3083034899251335
    }
]}
```
{ 
  "contactFieldId": 202,
  "type": "SYSTEM_SCHEDULING",
  "operator": "BETWEEN",
  "dataType": "DATE",
  "columnName": "shiftDate",
  "contactFilterOption": "BETWEEN",
  "columnValue": [
    "NOW",
    null,
    null
  ]
}

"createdDate": 1407517981481,
"createdId": 892807736721858,
"createdName": "Mike Wallick",
"lastModifiedDate": 1407518281577,
"lastModifiedId": 892807736721858,
"lastModifiedName": "Mike Wallick",
"lastModifiedTime": 0,
"lastSynchronizedTime": 0,
"accountId": 1772417038942236,
"status": "A",
"resourceBundleId": 892807736721838,
"organizationId": 892807736721854,
"dirty": true
PUT /contactFilters/{organizationId}/{contactFilterId}

Description
Update a contactFilter within an organization.

Return type
contactFilter Object

Parameters
None

Example Request Body
The request body is identical to the POST method.

Example Returns

```json
{
  "message": "OK",
  "id": {the internal id of the record just updated},
  "baseUri": "https://api.everbridge.net/rest/contactFilters/{organizationId}/",
  "instanceUri": "https://api.everbridge.net/rest/contactFilters/{organizationId}/{contactFilterId}"
}
```
DELETE /contactFilters/{organizationId}/{contactFilterId}

Description
Delete the specified contactFilter from an organization.

Return type
contactFilter Object

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization containing the contactFilters.</td>
</tr>
<tr>
<td>contactFilterId</td>
<td>long</td>
<td>y</td>
<td>The ID or name of the contactFilter to delete.</td>
</tr>
</tbody>
</table>

Example Request Body
None

Example Returns

```json
{
   "message": "OK",
   "id": {the internal id of the record just deleted},
   "baseUri": "https://api.everbridge.net/rest/contactFilters/{organizationId}/",
   "instanceUri": "https://api.everbridge.net/rest/contactFilters/{organizationId}/{contactFilterId}"
}
```
Contact Paths

GET /contactPaths/{organizationId}

Description
Retrieve all contactPaths for an organization.

Return type
collection of contactPaths

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization containing the contactPaths.</td>
</tr>
</tbody>
</table>
Example Response

```json
{
    "message": "OK",
    "firstPageUri": "https://api.everbridge.net/rest/contactPaths/organizationId/organizationId?pageNumber=1",
    "lastPageUri": "https://api.everbridge.net/rest/contactPaths/oranizationId/oranizationId?pageNumber=1",
    "page": {
        "pageSize": 2,
        "start": 1,
        "data": [
            {
                "accountId": 453003085611434,
                "pathId": 219910915489800,
                "organizationId": 453003085611516,
                "awarePathId": 3677106,
                "id": 2643230248142887,
                "expose": true,
                "isDefault": false,
                "createdDate": 1452195866631,
                "createdName": "Tommy Turner",
                "status": "A",
                "mandatory": false,
                "resourceBundleId": 453003085611713,
                "editable": true,
                "seq": 10,
                "lastModifiedDate": 1501703705182,
                "lastModifiedId": 453003085611520,
                "prompt": "Home Phone",
                "lastModifiedName": "Tommy Turner",
                "sysPrompt": "Phone 5",
                "code": "MOBILE5",
                "type": "PHONE",
                "pathFlag": 2,
                "messageCode": "T",
                "confirmType": "PHONE",
                "formatFlag": "P",
                "extRequired": false,
                "displayFlag": true,
                "pathType": "PHONE",
                "default": false
            },
            {
```
```
"accountId": 453003085611434,
"pathId": 219910915489807,
"organizationId": 453003085611516,
"awarePathId": 29397899,
"id": 2203425597035039,
"expose": false,
"isDefault": false,
"createdDate": 1479762707300,
"createdName": "Rachel Summer",
"status": "A",
"mandatory": false,
"resourceBundleId": 453003085611713,
"editable": false,
"seq": 11,
"lastModifiedDate": 1501703705183,
"lastModifiedId": 453003085611520,
"prompt": "Numeric Pager",
"lastModifiedName": "Rachel Sommer",
"sysPrompt": "Numeric Pager",
"code": "PAGER",
"type": "PAGER",
"extFlag": "Y",
"extPrompt": "Pin",
"pathFlag": 3,
"messageCode": "P",
"confirmType": "PHONE",
"formatFlag": "P",
"extRequired": false,
"displayFlag": true,
"pathType": "NUMERICPAGER",
"default": false
} 

"totalCount": 2,
"totalPageCount": 1,
"currentPageNo": 1
} }
GET /contactPaths/{organizationId}/{instanceId}

**Description**

Retrieve the specified contactPath within an organization.

**Return type**

contactPath instance

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization containing this contactPaths.</td>
</tr>
<tr>
<td>contactPathId</td>
<td>long</td>
<td>y</td>
<td>The ID of this contactPath to return.</td>
</tr>
</tbody>
</table>
Example Response

{
    "message": "OK",
    "result": {
        "accountId": 453003085611434,
        "pathId": 241901148045316,
        "organizationId": 453003085611516,
        "awarePathId": 28661739,
        "id": 1323816294812872,
        "expose": true,
        "isDefault": false,
        "createdDate": 1407526897464,
        "createdName": "Jeff Bass",
        "status": "A",
        "mandatory": false,
        "resourceBundleId": 453003085611713,
        "editable": true,
        "seq": 1,
        "lastModifiedDate": 1501703705176,
        "lastModifiedId": 453003085611520,
        "createdId": 453003085611520,
        "prompt": "Work Email",
        "lastModifiedName": "Jeff Bass",
        "sysPrompt": "E-Mail Address 1",
        "code": "EMAIL1",
        "type": "EMAIL",
        "pathFlag": 0,
        "messageCode": "E",
        "confirmType": "HTTP",
        "formatFlag": "E",
        "pathDeliveryType": "T",
        "extRequired": false,
        "displayFlag": true,
        "pathType": "EMAIL",
        "default": false
    }
}
## Contact Attributes

### Contact Attribute Fields

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type (Length)</th>
<th>Read-Only</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>id</td>
<td>long</td>
<td>x</td>
<td>The internal ID of the attribute.</td>
</tr>
<tr>
<td>name</td>
<td>string (40)</td>
<td></td>
<td>The name of the attribute (i.e., the additional information field).</td>
</tr>
<tr>
<td>displayFormat</td>
<td>String (3)</td>
<td></td>
<td>There are three constants for displayFormat (case-sensitive):</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>◊ F — text box</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>◊ L — single selection list</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>◊ S — multiple selection list</td>
</tr>
<tr>
<td>dataType</td>
<td>String (6)</td>
<td></td>
<td>There are three constants for dataType (case-sensitive):</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>◊ STRING</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>◊ DATE (date only, no time)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>◊ NUMBER</td>
</tr>
<tr>
<td>expose</td>
<td>boolean</td>
<td></td>
<td>Whether or not this field is visible on the Member Portal.</td>
</tr>
<tr>
<td>editable</td>
<td>boolean</td>
<td></td>
<td>Whether or not this field is editable on the Member Portal.</td>
</tr>
<tr>
<td>mandatory</td>
<td>boolean</td>
<td></td>
<td>Whether or not this field is mandatory on the Member Portal.</td>
</tr>
<tr>
<td>definedValues</td>
<td>String[]</td>
<td>Required</td>
<td>An array of strings which make up the select list values.</td>
</tr>
<tr>
<td>createdDate</td>
<td>long</td>
<td>x</td>
<td>Unix epoch date/time when the attribute was created. See tools for date/time conversion functions.</td>
</tr>
<tr>
<td>createdId</td>
<td>long</td>
<td>x</td>
<td>Internal ID of the user that created this attribute.</td>
</tr>
<tr>
<td>createdName</td>
<td>String</td>
<td>x</td>
<td>First and last name of the user that create this attribute.</td>
</tr>
<tr>
<td>lastModifiedDate</td>
<td>integer(sint64)</td>
<td>x</td>
<td>Unix epoch date/time when the attribute was last modified. See tools for date/time conversion functions.</td>
</tr>
<tr>
<td>lastModifiedId</td>
<td>long</td>
<td>x</td>
<td>Internal ID of the user that last modified this attribute.</td>
</tr>
<tr>
<td>accountId</td>
<td>long</td>
<td></td>
<td></td>
</tr>
<tr>
<td>status</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>resourceBundleId</td>
<td>long</td>
<td></td>
<td></td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>x</td>
<td>The ID of the organization to which this attribute belongs.</td>
</tr>
<tr>
<td>seq</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
GET /contactAttributes/{organizationId}/{contactAttributeId}

**Description**
Retrieve the specified contact attribute within an organization.

**Return type**
OrganizationContactAttributeWrapperinstanceResult

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization containing the contact attribute.</td>
</tr>
<tr>
<td>contactAttributeId</td>
<td>long</td>
<td>y</td>
<td>The ID of the contact attribute to return.</td>
</tr>
</tbody>
</table>

**Returns**

```json
{
    "id": 3549227829428286,
    "name": "Building",
    "displayFormat": "L",
    "dataType": "STRING",
    "expose": true,
    "editable": true,
    "mandatory": false,
    "definedValues": [],
    "createdDate": 1395250397948,
    "createdId": 892807736721858,
    "createdName": "Mike Wallick",
    "lastModifiedDate": 1406139458889,
    "lastModifiedId": 892807736721858,
    "lastModifiedName": "Mike Wallick",
    "accountId": 1772417038942236,
    "status": "A",
    "resourceBundleId": 0,
    "organizationId": 892807736721854,
    "seq": 0
}
```
GET /contactAttributes/{organizationId}

Description
Retrieve all contact attributes in this organization.

Return type
OrganizationContactAttributeWrapperCollectionResult

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization containing the contactAttribute.</td>
</tr>
</tbody>
</table>

Returns
Chapter 2 – Contact Management

{
    "message": "OK",
    "firstPageUri": "https://api.everbridge.net/rest/contactAttributes/{organizationId}/?pageNumber=1",
    "nextPageUri": "https://api.everbridge.net/rest/contactAttributes/{organizationId}/?pageNumber=2",
    "lastPageUri": "https://api.everbridge.net/rest/contactAttributes/{organizationId}/?pageNumber=1",
    "page": {
        "pageSize": 20,
        "start": 1,
        "data": [
            { // attribute 1 see contact attribute
            },
            { // attribute 2
            },
            ..., // attribute N
        ],
        "totalCount": 20,
        "totalPageCount": 1,
        "currentPageNo": 1
    }
}
POST /contactAttributes/{organizationId}

Description
Create a new contact attribute within an organization.

Return type
RestfulModificationResult

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization containing the contactAttribute.</td>
</tr>
<tr>
<td>contactAttribute</td>
<td>OrganizationContactAttribute Wrappe r</td>
<td>y</td>
<td>The JSON object describing the new contact attribute.</td>
</tr>
</tbody>
</table>

Request Body

<table>
<thead>
<tr>
<th>Field</th>
<th>Data Type (Length)</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td>String (40)</td>
<td>The name of the attribute (i.e., the additional information field).</td>
</tr>
<tr>
<td>displayFormat</td>
<td>String</td>
<td>There are three constants for displayFormat (case-sensitive):</td>
</tr>
<tr>
<td></td>
<td></td>
<td>◊ F — text box</td>
</tr>
<tr>
<td></td>
<td></td>
<td>◊ L — single selection list</td>
</tr>
<tr>
<td></td>
<td></td>
<td>◊ S — multiple selection list</td>
</tr>
<tr>
<td>dataType</td>
<td>String</td>
<td>There are three constants for dataType (case-sensitive):</td>
</tr>
<tr>
<td></td>
<td></td>
<td>◊ STRING</td>
</tr>
<tr>
<td></td>
<td></td>
<td>◊ DATE (date only, no time)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>◊ NUMBER</td>
</tr>
<tr>
<td>expose</td>
<td>boolean</td>
<td>Whether or not this field is visible on the Member Portal.</td>
</tr>
<tr>
<td>editable</td>
<td>boolean</td>
<td>Whether or not this field is editable on the Member Portal.</td>
</tr>
<tr>
<td>mandatory</td>
<td>boolean</td>
<td>Whether or not this field is mandatory on the Member Portal.</td>
</tr>
<tr>
<td>definedValues</td>
<td>String[]</td>
<td>Required if displayFormat is L or S. An array of strings which make up the select list values.</td>
</tr>
</tbody>
</table>
Textbox that stores numbers

```
{
    "name": "Text Field Name",
    "displayFormat": "F",
    "dataType": "NUMBER"
}
```

Textbox that is visible and editable on the member portal (but not mandatory)

```
{
    "name": "Text Field Name",
    "displayFormat": "F",
    "dataType": "DATE",
    "expose": true,
    "editable": true,
    "mandatory": false
}
```

Single select list that stores strings

```
{
    "name": "Text Field Name",
    "displayFormat": "L",
    "dataType": "STRING",
    "definedValues": [
        "option 1",
        "option 2",
        "option 3"
    ]
}
```

Multiple select list that stores strings

```
{
    "name": "Text Field Name",
    "displayFormat": "S",
    "dataType": "STRING",
    "definedValues": [
        "option 4",
        "option 5",
        "option 6"
    ]
}
```
Returns

{
    "message": "OK",
    "id": {the internal id of the record just created},
    "baseUri": "https://api.everbridge.net/rest/contactAttributes/
{organizationId}/",
    "instanceUri": "https://api.everbridge.net/rest/contactAttributes/
{organizationId}/{contactAttributeId}"
}


PUT /contactAttributes/{organizationId}/{contactAttributeId}

**Description**
Update a contact attribute within an organization.

**Return type**
RestfulModificationResult

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization containing the contact attribute.</td>
</tr>
<tr>
<td>contactAttributeId</td>
<td>long</td>
<td>y</td>
<td>The ID of the contact attribute to update.</td>
</tr>
<tr>
<td>contactAttribute</td>
<td>OrganizationContactAttributeWrapper</td>
<td>y</td>
<td>The JSON object describing the updated contact attribute.</td>
</tr>
</tbody>
</table>

**Request Body**

See POST /contactAttributes/{organizationId}.

**Returns**

```
{
    "message": "OK",
    "id": {the internal id of the record just updated},
    "baseUri": "https://api.everbridge.net/rest/contactAttributes/
           {organizationId}/",
    "instanceUri": "https://api.everbridge.net/rest/contactAttributes/
           {organizationId}/{contactAttributeId}"
}
```
DELETE /contactAttributes/{organizationId}/{contactAttributeId}

Description
Delete the specified contact attribute from an organization.

Return type
RestfulModificationResult

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization containing the contact attribute.</td>
</tr>
<tr>
<td>contactAttribute</td>
<td>long</td>
<td>y</td>
<td>The ID of the contact attribute to delete.</td>
</tr>
</tbody>
</table>

Request Body
None

Returns

{
    "message": "OK",
    "id": {the internal id of the record just deleted},
    "baseUri": "https://api.everbridge.net/rest/contactAttributes/
                {organizationId}/",
    "instanceUri": "https://api.everbridge.net/rest/contactAttributes/
                    {organizationId}/{contactAttributeId}"
}
Groups

Group Fields

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Data Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td>string</td>
<td>The name of the group.</td>
</tr>
<tr>
<td>parentId</td>
<td>long</td>
<td>The ID of the parent group. This value is -1 if there is no parent.</td>
</tr>
<tr>
<td>id</td>
<td>long</td>
<td>This is the internal ID for a group.</td>
</tr>
<tr>
<td>createId</td>
<td>long</td>
<td>The ID of the user who created this resource.</td>
</tr>
<tr>
<td>lastModifiedDate</td>
<td>long</td>
<td>Unix epoch data/time when the contact was last modified.</td>
</tr>
<tr>
<td>lastModified</td>
<td>long</td>
<td>The internal ID of the user that last modified this contact.</td>
</tr>
<tr>
<td>lastModifiedName</td>
<td>string</td>
<td>First and last name of the user that last modified this contact.</td>
</tr>
<tr>
<td>lastSynchronizedTime</td>
<td>long</td>
<td>The date time of last refreshing map layer data.</td>
</tr>
<tr>
<td>accountId</td>
<td>long</td>
<td>The ID of the account that owns this resource.</td>
</tr>
<tr>
<td>resourceBundleId</td>
<td>long</td>
<td>The ID of the Role which owns this resource.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>The ID of the Organization that owns this resource.</td>
</tr>
<tr>
<td>enableSequenceContact</td>
<td>boolean</td>
<td>Whether sequenced has been enabled for a group or not.</td>
</tr>
<tr>
<td>dirty</td>
<td>boolean</td>
<td>Whether the contacts of this group have been updated and need to refresh map layer data.</td>
</tr>
</tbody>
</table>

Error Status Codes

<table>
<thead>
<tr>
<th>HTTP Status Code</th>
<th>Reason</th>
</tr>
</thead>
<tbody>
<tr>
<td>400</td>
<td>Missing or Invalid request input.</td>
</tr>
<tr>
<td>401</td>
<td>Invalid or missing credentials.</td>
</tr>
<tr>
<td>404</td>
<td>Non-existing name or non-existing ID.</td>
</tr>
<tr>
<td>500</td>
<td>Internal Error</td>
</tr>
</tbody>
</table>
GET /groups/{organizationId}

Description
Return a paged set of groups for an organization.

Return type
group Object

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization containing the groups.</td>
</tr>
</tbody>
</table>
Example Response

{
  "message": "OK",
  "firstPageUri": "https://api.everbridge.net/rest/groups/organizationId/?pageNumber=1",
  "lastPageUri": "https://api.everbridge.net/rest/groups/organizationId/?pageNumber=1",
  "page": {
    "pageSize": 2,
    "start": 0,
    "data": [
      {
        "lastModifiedTime": 0,
        "accountId": 0,
        "resourceBundleId": 0,
        "organizationId": 0,
        "id": 2643234543111210,
        "parentId": -1,
        "name": "Executive",
        "lastModifiedDate": 1467836647752,
        "lastModifiedId": 0,
        "createdId": 0,
        "lastSynchronizedTime": 0,
        "lastModifiedName": "Jennifer Markman",
        "dirty": true
      },
      {
        "lastModifiedTime": 0,
        "accountId": 0,
        "resourceBundleId": 0,
        "organizationId": 0,
        "id": 444211287561988,
        "parentId": -1,
        "name": "Sequenced Group",
        "lastModifiedDate": 1456762515110,
        "lastModifiedId": 0,
        "createdId": 0,
        "lastSynchronizedTime": 0,
        "lastModifiedName": "Anne Eliasan",
        "dirty": true
      }
    ],
    "totalCount": 2,
    "totalPageCount": 1,
    "currentPageNo": 1
  }
}
POST /groups/{organizationId}

**Description**
Create a new group.

**Return type**
group Object

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization containing the groups.</td>
</tr>
<tr>
<td>group</td>
<td>groupWrapper</td>
<td>y</td>
<td>The JSON object describing the new group</td>
</tr>
</tbody>
</table>

If the group is at the root, the "parentId" is set to -1. If the group is nested, then the "parentId" is the identifier for the parent group.

**Request Body**

<table>
<thead>
<tr>
<th>Field</th>
<th>Data Type</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td>string (80)</td>
<td>The name of the group.</td>
</tr>
<tr>
<td>parentId</td>
<td>long</td>
<td>Optional: the parentId of the group to be created.</td>
</tr>
</tbody>
</table>

**Group without Parent**

```json
{
    "name": "API Created Group"
}
```
Group with Parent

```json
{
  "parentId": 884015938670971,
  "name": "API Created Group"
}
```

Example Response

```json
{
  "message": "OK",
  "id": {the internal id of the record just created},
  "baseUri": "https://api.everbridge.net/rest/groups/{organizationId}/",
  "instanceUri": "https://api.everbridge.net/rest/groups/{organizationId}/
{groupId}"
}
```

GET /groups/{organizationId}/[queryValue]

**Description**

Return a specific group.

**Return type**

group Object

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization in which to find the group.</td>
</tr>
<tr>
<td>queryValue</td>
<td>string</td>
<td>y</td>
<td>The ID or the name of this group.</td>
</tr>
<tr>
<td>queryType</td>
<td>string</td>
<td>y</td>
<td>Whether to search by group.id or group.name.</td>
</tr>
</tbody>
</table>
Example Response

```
{
    "message": "OK",
    "result": {
        "createdName": "Lucas Herman",
        "lastModifiedTime": 1500929790072,
        "accountId": 0,
        "status": "A",
        "resourceBundleId": 0,
        "organizationId": 453003085611516,
        "id": 444211287561988,
        "parentId": -1,
        "name": "Sequenced Group",
        "lastModifiedDate": 1456762515110,
        "lastModifiedId": 453003085611520,
        "createdId": 453003085611520,
        "createdDate": 1450132608993,
        "lastSynchronizedTime": 1500929790072,
        "lastModifiedName": "Lucas Herman",
        "dirty": false
    }
}
```

PUT /groups/{organizationId}/{groupId}

Description

Update a group within an organization. "Update" refers to renaming the group or changing its position.

If the group is nested, then make it a root group by changing the "parentId" value to -1.

You can change the group position by setting its "parentId" to that of another parent.

Return type

group Object
Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization containing the groups.</td>
</tr>
<tr>
<td>groupId</td>
<td>long</td>
<td>y</td>
<td>The ID of the group to update.</td>
</tr>
<tr>
<td>group</td>
<td>groupWrapper</td>
<td>y</td>
<td>The JSON object describing the new group</td>
</tr>
</tbody>
</table>

Request Body

<table>
<thead>
<tr>
<th>Field</th>
<th>Data Type</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td>string (80)</td>
<td>The name of the group.</td>
</tr>
<tr>
<td>parentId</td>
<td>long</td>
<td>Optional: the parentId of the group to be created.</td>
</tr>
</tbody>
</table>

Group without Parent

```json
{
    "name": "API Created Group"
}
```

Group with Parent

```json
{
    "parentId": 884015938670971,
    "name": "API Created Group"
}
```
Example Response

```json
{
    "message": "OK",
    "id": "the internal id of the record just created",
    "baseUri": "https://api.everbridge.net/rest/groups/{organizationId}/",
    "instanceUri": "https://api.everbridge.net/rest/groups/{organizationId}/{groupId}"
}
```

DELETE /groups/{organizationId}/{groupId}

Description
Delete the specified group from an organization.

Return type
group Object

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization containing the groups.</td>
</tr>
<tr>
<td>groupId</td>
<td>long</td>
<td>y</td>
<td>The ID of the group to delete.</td>
</tr>
</tbody>
</table>
Example Response

```json
{
    "message": "OK",
    "id": "the internal id of the record just deleted",
    "baseUri": "https://api.everbridge.net/rest/groups/{organizationId}/",
    "instanceUri": "https://api.everbridge.net/rest/groups/{organizationId}/
                   {groupId}"
}
```

**POST /groups/{organizationId}/contacts**

**Description**

Add many contacts within a group.

**Return type**

group Object

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization containing the groups.</td>
</tr>
<tr>
<td>byType</td>
<td>string</td>
<td>n</td>
<td>Whether to select by ID or name.</td>
</tr>
<tr>
<td>groupId</td>
<td>long</td>
<td>n</td>
<td>The ID of the group to add.</td>
</tr>
<tr>
<td>groupName</td>
<td>string</td>
<td>n</td>
<td>The name of the group to add.</td>
</tr>
<tr>
<td>idType</td>
<td>string</td>
<td>n</td>
<td>Whether to add by contact.id or contact.externalId.</td>
</tr>
<tr>
<td>contactIds</td>
<td>string</td>
<td>y</td>
<td>The JSON object describing the contact IDs.</td>
</tr>
</tbody>
</table>

**Example Request**

```json
[ "contact ID 1", "contact ID 2", ... "contact ID N" ]
```
Example Response

```json
{
    "message": "OK",
    "code": 100
}
```

**DELETE /groups/{organizationId}/contacts**

**Description**
Delete many contacts within a group.

**Return type**
group Object

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization from which to delete contacts within this group.</td>
</tr>
<tr>
<td>byType</td>
<td>string</td>
<td>n</td>
<td>Whether to delete by ID or name of group.</td>
</tr>
<tr>
<td>groupId</td>
<td>long</td>
<td>n</td>
<td>The ID of the group to add.</td>
</tr>
<tr>
<td>groupName</td>
<td>string</td>
<td>n</td>
<td>The name of the group.</td>
</tr>
<tr>
<td>idType</td>
<td>string</td>
<td>n</td>
<td>Whether to delete by contact.id or contact.externalId.</td>
</tr>
<tr>
<td>contactIds</td>
<td>string</td>
<td>y</td>
<td>The JSON object describing the contact IDs.</td>
</tr>
</tbody>
</table>

**Example Request**

```json
[ "contact ID 1", "contact ID 2", ... "contact ID N" ]
```
Example Response

```json
{
   "message": "OK",
   "code": 100
}
```

**POST /groups/{organizationId}/contacts/sequence**

**Description**

Replace contacts into a sequenced group. The contacts should be a full list, they will replace the contacts in the group, and the order will be the sequence number of the contact in that group.

This API does two things: replaces contacts for the group and specifies the contact sequence.

**Return type**

batch

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization containing the groups.</td>
</tr>
<tr>
<td>byType</td>
<td>string</td>
<td>n</td>
<td>Whether to select by ID or name.</td>
</tr>
<tr>
<td>groupId</td>
<td>long</td>
<td>n</td>
<td>The ID of the group to add.</td>
</tr>
<tr>
<td>groupName</td>
<td>string</td>
<td>n</td>
<td>The name of the group to add.</td>
</tr>
<tr>
<td>idType</td>
<td>string</td>
<td>n</td>
<td>Whether to add by contact.id or contact.externalId. The default value is ID.</td>
</tr>
<tr>
<td>contactIds</td>
<td>string</td>
<td>y</td>
<td>The JSON object describing the contact IDs.</td>
</tr>
</tbody>
</table>
Example Request

[ "contact ID 1", "contact ID 2", ... "contact ID N" ]

Example Response

{
    "message": "OK",
    "code": 100,
    "data": [
        
        
        
        
        
        "he.michael@qq.com",
        
        "success"
    ]

}
Organizations

GET /organizations

**Description**
Retrieve all organizations accessible by this user.

**Return type**
collection of organizations

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
</tbody>
</table>

**Example Response**

```
{
  "lastModifiedTime": 1501771835997,
  "weatherProvider": "WDT",
  "productIds": [
    // list of product IDs enabled in this org
  ],
  "dataCenterId": 241901148045313,
  "showMessage": false,
  "organizationId": 453003085611516,
  "type": "Internal",
  "accountDisabled": false,
  "allowSendMessage": false,
  "awareOrgId": 1015205849,
  "createdDate": 1407162098395,
  "createdName": "Martha Stewart",
  "status": "A",
  "contactCount": 100000,
  "twitterThresholdCount": 5,
  "shareMessageStatus": true,
}```
"email": "martha@gmail.com",
"organizationStatus": "Active",
"language": 21,
"allowShareMessage": true,
"lastModifiedName": "Martha Stewart",
"accountId": 453003085611434,
"emailFromDisplay": "Martha Account",
"featureIds": [
  // a list of feature IDs enabled in this org
],
"id": 453003085611516,
"conferenceBridgePermission": true,
"name": "ORG A",
"lastModifiedMsgBy": 0,
"lastSynchronizedTime": 1501771835997,
"resourceBundleId": 233109349990401,
"organizationBroadcastSetting": {
  "pathInterval": 0,
  "emergencyPriority": 0,
  "standardDuration": 1,
  "standardPriority": 0,
  "defaultCycles": 1,
  "cycleInterval": 0,
  "duplicatePathsFlag": false,
  "maxCycles": 10,
  "emergencyDuration": 1,
  "useExternalIdFlag": false,
  "exposeSenderId": false,
  "requireSecurityCodeFlag": false,
  "confirmFlag": true,
  "vmPreference": "MESSAGE_ONLY",
  "launchByPhoneFlag": 0
},
"accountName": "Martha Account",
"passwordRefreshDays": 0,
"address": {
  "country": "US"
},
"lastModifiedDate": 1501703705183,
"createdId": 892807736721576,
"lastModifiedId": 453003085611520,
"senderInfoPermission": true,
"roleIds": [
  // a list of role IDs in this org
]
"gisSetting": {
    "mapCenter": "Langley, WA",
    "projection": 571,
    "longitude": -91.19376373291016,
    "baseMap": 1,
    "latitude": 32.505821228027344,
    "mapZoomLevel": 575
},
"dirty": false

GET /organizations/{organizationId}

Description
Retrieve a specific organization.

Return type
organization Object

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization.</td>
</tr>
</tbody>
</table>
Example Response

```json
{
    "message": "OK",
    "firstPageUri": "https://api.everbridge.net/rest/organizations/{organizationId}/?pageNumber=1",
    "nextPageUri": "https://api.everbridge.net/rest/organizations/{organizationId}/?pageNumber=2",
    "lastPageUri": "https://api.everbridge.net/rest/organizations/{organizationId}/?pageNumber=1",
    "page": {
        "pageSize": 20,
        "start": 1,
        "data": [
            // Organization 1
            ,
            // Organization 2
            ,
            ...
            ,
            // Organization N
        ],
        "totalCount": 20,
        "totalPageCount": 1,
        "currentPageNo": 1
    }
}
```
Record Types

A Record Type is simply meant to represent a high level categorization of the type of contact record one might be working with (employee, citizen, contractor, nurse, physician, etc.). The default Record Type is "Employee" and its internal ID value is the organization's ID. The default Employee Record Type cannot be deleted, although it can be renamed.

Record Type Fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Data Type (Length)</th>
<th>Read Only</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>accountId</td>
<td>long</td>
<td>x</td>
<td>The ID of the account that owns this resource.</td>
</tr>
<tr>
<td>cachedContactCount</td>
<td>long</td>
<td>x</td>
<td>Internal use only; disregard this field.</td>
</tr>
<tr>
<td>createdDate</td>
<td>long</td>
<td>x</td>
<td>Unix epoch date/time when the record type was created.</td>
</tr>
<tr>
<td>createdId</td>
<td>long</td>
<td>x</td>
<td>Internal ID of the user that created this record type.</td>
</tr>
<tr>
<td>createdName</td>
<td>string</td>
<td>x</td>
<td>First and last name of the user that created this record type.</td>
</tr>
<tr>
<td>fillColor</td>
<td>string (7)</td>
<td></td>
<td>The color of the record type's dot on the map. You may specify any valid hexadecimal number between #000000 and #FFFFFF. See <a href="http://www.w3schools.com/tags/ref_colorpicker.asp">http://www.w3schools.com/tags/ref_colorpicker.asp</a> for more information.</td>
</tr>
<tr>
<td>id</td>
<td>long</td>
<td>x</td>
<td>The internal ID of the record type. This value is used in the recordTypeId field on a contact record.</td>
</tr>
<tr>
<td>lastModifiedDate</td>
<td>long</td>
<td>x</td>
<td>Unix epoch date/time when the record type was last modified.</td>
</tr>
<tr>
<td>lastModifiedId</td>
<td>long</td>
<td>x</td>
<td>Internal ID of the user that last modified this record type.</td>
</tr>
<tr>
<td>lastModifiedName</td>
<td>string</td>
<td>x</td>
<td>First and last name of the user that last modified this record type.</td>
</tr>
<tr>
<td>name</td>
<td>string (50)</td>
<td></td>
<td>The name of the Record Type.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>x</td>
<td>The ID of the organization to which this record type belongs.</td>
</tr>
<tr>
<td>recordType</td>
<td>string</td>
<td>x</td>
<td>One of DEFAULT or CUSTOMIZE. Any user-defined record types will be listed as CUSTOMIZE.</td>
</tr>
<tr>
<td>resourceBundleId</td>
<td>long</td>
<td>x</td>
<td>The ID of the Role which owns this resource.</td>
</tr>
<tr>
<td>status</td>
<td>string</td>
<td>x</td>
<td>The status of the object. All records returned by the API should have a status of 'A' indicating that the record is active and has not been deleted. Deleted records of any type are invisible to the API.</td>
</tr>
</tbody>
</table>
GET /recordTypes/{organizationId}

Description
Retrieve all contact recordTypes for an organization.

Return type
recordTypes Object

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization containing the contact record types.</td>
</tr>
</tbody>
</table>
Example Response

{
   "message": "OK",
   "firstPageUri": "https://api.everbridge.net/rest/recordTypes/organizationId/?pageNumber=1",
   "lastPageUri": "https://api.everbridge.net/rest/recordTypes/organizationId/?pageNumber=1",
   "page": {
      "pageSize": 3,
      "start": 1,
      "data": [
         {
            "createdName": "Elijah Backsen",
            "accountId": 9873579222,
            "fillColor": "#881133",
            "status": "A",
            "resourceBundleId": 233109349990401,
            "organizationId": 453003085611516,
            "cachedContactCount": 0,
            "id": 453003085611515,
            "name": "Employee",
            "lastModifiedDate": 1497887262560,
            "createdId": 892807736721576,
            "lastModifiedId": 884011643729837,
            "recordType": "DEFAULT",
            "createdDate": 1407162098575,
            "lastModifiedName": "Riley Ward"
         },
         {
            "createdName": "Gina Downing",
            "accountId": 453003085611434,
            "fillColor": "#FF0000",
            "status": "A",
            "resourceBundleId": 453003085611713,
            "organizationId": 453003085611516,
            "cachedContactCount": 0,
            "id": 1323816294815214,
            "name": "Offenders",
            "lastModifiedDate": 1497887262561,
            "createdId": 453003085611520,
            "lastModifiedId": 884011643729837,
            "recordType": "CUSTOMIZE",
            "createdDate": 1407162098575,
            "lastModifiedName": "Riley Ward"
         },
         {

```
POST /recordTypes/{organizationId}

**Description**

Create new contact recordTypes within an organization.

**Return type**

recordTypes Object

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>url</td>
<td>n</td>
<td>The ID of the organization in which to create this recordType.</td>
</tr>
<tr>
<td>recordType</td>
<td>body</td>
<td>n</td>
<td>The JSON representation of the updated recordType.</td>
</tr>
</tbody>
</table>
GET /recordTypes/{organizationId}/{recordTypeId}

**Description**

Retrieve the specified contactRecordType within an organization.

**Return type**

recordTypes Object

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization containing the contact recordTypes.</td>
</tr>
<tr>
<td>recordTypeId</td>
<td>long</td>
<td>y</td>
<td>The ID of the contactRecordType to return.</td>
</tr>
</tbody>
</table>

**Example Response**

```json
{
    "id": 884011643700560,
    "name": "Jeffery Smith",
    "fillColor": "#00CC00",
    "recordType": "CUSTOMIZE",
    "createdDate": 1377275925241,
    "createdId": 892807736721858,
    "createdName": "Mike Wagman",
    "lastModifiedDate": 1409939899849,
    "lastModifiedId": 892807736721858,
    "lastModifiedName": "Mike Wagman",
    "accountId": 1772417038942236,
    "status": "A",
    "resourceBundleId": 892807736721838,
    "organizationId": 892807736721854,
    "cachedContactCount": 0
}
```
PUT /recordTypes/{organizationId}/{recordTypeId}

**Description**

Update a contactRecordType within an organization.

The only field that can be updated is the name. Attempting to update the fillColor will yield a 200 OK result, but the color will not actually be changed.

**Return type**

group Object

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization containing the contact recordTypes.</td>
</tr>
<tr>
<td>recordTypeId</td>
<td>long</td>
<td>y</td>
<td>The ID of the contactrecordType to update.</td>
</tr>
<tr>
<td>recordType</td>
<td>recordTypeWrapper</td>
<td>y</td>
<td>The JSON object describing the updated contactRecordType.</td>
</tr>
</tbody>
</table>

**Example Request**

```
{
    "name": "Demo Contact New Name"
}
```
Example Return

```
{
    "message": "OK",
    "id": {the internal ID of the record just updated},
    "baseUri": "https://api.everbridge.net/rest/recordTypes/{organizationId}/",
    "instanceUri": "https://api.everbridge.net/rest/recordTypes/{organizationId}/
{recordTypeId})"
}
```

DELETE /recordTypes/{organizationId}/{recordTypeId}

Description
Delete the specified contactRecordType within an organization.

Return type
group Object
Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization containing the contact record types.</td>
</tr>
<tr>
<td>recordTypeId</td>
<td>long</td>
<td>y</td>
<td>The ID of the contact recordType to delete.</td>
</tr>
</tbody>
</table>

Example Return

```json
{
    "message": "OK",
    "id": (the internal id of the record just deleted),
    "baseUri": "https://api.everbridge.net/rest/recordTypes/{organizationId}/",
    "instanceUri": "https://api.everbridge.net/rest/recordTypes/{organizationId}/ {recordTypeId}"
}
```
Chapter 2 – Contact Management
Notifications

This provides information about the Notifications methods and operations you can use to launch and manage the Everbridge Suite.

The following topics are covered:

◊ Introduction
◊ Notifications Overview
  • Base Object
  • Notification Base Object Data Model
  • Broadcast Contacts
  • Broadcast Settings
  • Launch Policies
  • Standard Notifications
  • Polling/Quota Notification
  • Conference Notification
  • Notification Results
◊ Notifications
  • GET /notifications/{organizationId}
  • GET /notifications/{organizationId}/{notificationId}
  • GET/ notifications/{organizationId}/reports
  • PUT /notifications/{organizationId}/{notificationId}
Chapter 3 – Notifications

• POST /notifications/{organizationId}

◊ Launch Policies
  • GET /launchPolicies/{organizationId}
  • GET /launchPolicies/{organizationId}
  • GET /launchPolicies/{organizationId}/[launchPolicyId]
  • POST /launchPolicies/{organizationId}
  • PUT /launchPolicies/{organizationId}/[launchPolicyId]
  • DELETE /launchPolicies/{organizationId}/[launchPolicyId]

◊ Nixle
  • GET /notifications - Response (Nixle Only)
  • POST /notifications - Body (Nixle Only)
  • Field Descriptions
  • CAP Event Categories
  • GET /nixleEventGroups/{organizationId}
  • GET /nixleRegionIds/{organizationId}

◊ Notification Categories
  • GET /notificationCategories/{organizationId}
  • GET /notificationCategories/{organizationId}/[categoryId]
  • POST /notificationCategories/{organizationId}

◊ Notification Reports
  • GET /notificationReports/{organizationId}/[notificationId]

◊ Notification Templates
  • GET /notificationTemplates/{organizationId}/[notificationTemplateId]
  • POST /notificationTemplates/{organizationId}
  • PUT /notificationTemplates/{organizationId}/[notificationTemplateId]
  • DELETE /notificationTemplates/{organizationId}/[notificationTemplateId]

◊ Notification Events
  • GET /notificationEvents/{organizationId}
  • GET /notificationEvents/{organizationId}/[notificationEventId]
  • POST /notificationEvents/{organizationId}

◊ Notification Messages
  • PUT /notificationMessages/{organizationId}/[notificationId]/message

◊ Audio
  • GET /audio/{organizationId}/[audioId]
  • POST /audio/{organizationId}

◊ Attachments
- GET /attachments/{organizationId}/{fileId}
- POST /attachments/{organizationId}
Introduction

Within a given data type, the format of the data returned in a GET is identical to the format expected in the body of a PUT or POST.

**TIP:** Given this equivalence of input and output format, the easiest way to build PUTs and POSTs is often to perform a GET from the same collection and tweak the returned JSON to create a new or updated object.
Notifications Overview

The Notifications API can be used to create or stop “SendNow” notifications and to query the state of any active or historical notifications.

For creating and editing scheduled or recurring notifications, see the Launch Policies API.

Base Object

Notification Base Object Fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Data Type</th>
<th>Read Only</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>type</td>
<td>string</td>
<td></td>
<td>One of:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>◊ Standard</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>◊ Polling</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>◊ Quota</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>◊ Conference</td>
</tr>
<tr>
<td>priority</td>
<td>string</td>
<td></td>
<td>One of:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>◊ NonPriority</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>◊ Priority</td>
</tr>
<tr>
<td>notificationStatus</td>
<td>string</td>
<td>x</td>
<td>One of:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>◊ Completed</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>◊ Inprogress</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>◊ Stopped</td>
</tr>
<tr>
<td>source</td>
<td>string</td>
<td>x</td>
<td>One of:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>◊ Web</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>◊ API</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>◊ Mobile</td>
</tr>
<tr>
<td>launchType</td>
<td>string</td>
<td></td>
<td>One of:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>◊ SendNow</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>◊ Recurring</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>◊ Schedule</td>
</tr>
<tr>
<td>createdName</td>
<td>string</td>
<td>x</td>
<td>First and last name of the user that created this notification.</td>
</tr>
<tr>
<td>lastModifiedName</td>
<td>string</td>
<td>x</td>
<td>First and last name of the user that last modified this notification.</td>
</tr>
<tr>
<td>productSource</td>
<td>string</td>
<td>x</td>
<td>Which EB Suite product sent this notification: MN or IC.</td>
</tr>
<tr>
<td>processedBy</td>
<td>string</td>
<td>x</td>
<td>Internal Field to be disregarded.</td>
</tr>
<tr>
<td>broadcastContacts</td>
<td>object</td>
<td></td>
<td>See Broadcast Contacts on page 110.</td>
</tr>
<tr>
<td>notificationResult</td>
<td>object</td>
<td></td>
<td>See Notification Results on page 128.</td>
</tr>
</tbody>
</table>
### Chapter 3 – Notifications

#### Field | Data Type | Read Only | Notes
--- | --- | --- | ---
message | object |  | See Notification Messages on page 179.
broadcastSettings | object |  | See Broadcast Settings Fields on page 111.
event | object |  | See Notification Events on page 174.
publicMessages | object |  | CMAS/IPAWS
id | long | x | The notification ID.
startDate | long | x | Unix epoch date/time when the notification was sent.
endDate | long | x | Unix epoch date/time when the notification's duration expired or it was stopped.
notificationEventId | long |  | The internal ID of the event this notification is tagged to.
batchNotificationId | long |  | Account level cross organization notification's ID.
stoppedBy | long |  | Internal ID of the user that stopped the notification (if applicable).
createdDate | long | x | Unix epoch date/time when the notification was created.
createdId | long | x | Internal ID of the user that created this notification.
lastModifiedDate | long | x | Unix epoch date/time when the notification was last modified.
lastModifiedId | long | x | Internal ID of the user that last modified this notification.
accountId | long | x | The ID of the account that owns this resource.
resourceBundleId | long | x | The ID of the Role which owns this resource.
organizationId | long | x | The ID of the organization to which this notification belongs.
transformed |  | x | Internal field that can be disregarded.
hasNotification |  | x | Internal field that can be disregarded.
oldAwareCAMPID |  | x | Internal field that can be disregarded.
status | string | x | The status of the object. All records returned by the API should have a status of 'A' indicating that the record is active and has not been deleted. Deleted records of any type are invisible to the API.
Notification Base Object Data Model

```json
{
    "id": 444206992589848,
    "type": "Standard",
    "priority": "NonPriority",
    "notificationStatus": "Inprogress",
    "startDate": 1382630216582,
    "endDate": 1382716616582,
    "source": "Web",
    "launchtype": "SendNow",
    "broadcastContacts": {
        "// see the broadcastContacts section for more detail"
    },
    "notificationResult": {
        "// see the notificationResult section for more detail"
    },
    "message": {
        "// see the message section for more detail"
    },
    "broadcastSettings": {
        "// see the broadcastSettings section for more detail"
    },
    "notificationEventId": 3522839550361898,
    "event": {
        "// see events"
    },
    "publicMessages": {},
    "batchNotificationId": 0,
    "stoppedBy": 0,
    "createdDate": 1382630216582,
    "createdId": 892807736721858,
    "createdName": "Mary Simpson",
    "lastModifiedDate": 1382630276510,
    "lastModifiedId": 892807736721858,
    "lastModifiedName": "Mary Simpson",
    "accountId": 1772417038942236,
    "status": "A",
    "resourceBundleId": 892807736721839,
    "organizationId": 892807736721855,
    "transformed": true,
    "productSource": "MNIV",
    "oldAwareCAMPID": 37932461,
    "hasNotification": true,
    "processedBy": "us1api01"
}
```
Broadcast Contacts

The Broadcast Contacts section determines which contacts to be included in the broadcast and which to not include.

Broadcast Contacts Fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Data Type</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>contactIds</td>
<td>long</td>
<td>An array of internal contact IDs.</td>
</tr>
<tr>
<td>excludedContactIds</td>
<td>long</td>
<td>An array of internal contact IDs to exclude.</td>
</tr>
<tr>
<td>externalIds</td>
<td>string</td>
<td>An array of contact external IDs.</td>
</tr>
<tr>
<td>filterIds</td>
<td>long</td>
<td>An array of rule/filter IDs.</td>
</tr>
<tr>
<td>groupIds</td>
<td>long</td>
<td>An array of group IDs.</td>
</tr>
</tbody>
</table>

Broadcast Contacts Example Body

```json
"broadcastContacts": {
  "contactIds": [],
  "externalIds": [],
  "groupIds": [],
  "filterIds": [],
  "excludedContactIds": []
}
```

Broadcast Settings

Whenever possible, it is recommended that you do not specify custom broadcastSettings and use the organization defaults.

The reason for this is if you need to specify custom delivery paths for a notification, not only do you need to include the pathId constant but also the internal ID of the delivery path.

The internal ID is not visible anywhere other than through the /contactPaths method.
# Broadcast Settings Fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Data Type (Length)</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>bookConference</td>
<td>boolean</td>
<td>Internal Field to be disregarded.</td>
</tr>
<tr>
<td>confirm</td>
<td>boolean</td>
<td>If true, the notification will ask for confirmation.</td>
</tr>
<tr>
<td>contactCycles</td>
<td>int</td>
<td>The number of contact cycles to attempt. How long, in minutes, should the system wait before starting the next cycle. Specify 0, 1, 2, 5, then increments of 5 minutes up to a maximum of 60 minutes.</td>
</tr>
<tr>
<td>cycleInterval</td>
<td>int</td>
<td>How long, in minutes, should the system wait before starting the next cycle. Specify 0, 1, 2, 5, then increments of 5 minutes up to a maximum of 60 minutes.</td>
</tr>
</tbody>
</table>
| deliverPaths           | object[]           |.pathId: a valid delivery pathId  
|                        |                    | id: the internal ID of the delivery path  
|                        |                    | {  
|                        |                    | "pathId": {pathId},  
|                        |                    | "id": {internalId}  
|                        |                    | }                                                                                                                                 |
| deliveryMethodInterval | int                | How long, in minutes, should the system wait before attempting to contact the next device. Specify 0, 1, 2, 3, 5, 10 or 15 minutes.         |
| deliveryPathOrder      | string             | One of:  
|                        |                    | Contact - use the contact's preferred device order  
|                        |                    | Organization - use the organization default device order  
|                        |                    | Custom - one time custom device order  
<p>| duration               | int                | The duration the notification will be active. Specify the number of hours, 1-24.                                                  |</p>
<table>
<thead>
<tr>
<th>Field</th>
<th>Data Type (Length)</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>language</td>
<td>string</td>
<td>The language of the notification. One of: ar_SA, da_DK, de_DE, en_GB, en_US, es_ES, es_US, fr_FR, it_IT, ja_JP, no_NO, pl_PL, pt_PT, ru_RU, sv_SE, zh_CN</td>
</tr>
</tbody>
</table>
| mobileSettings    | object             | requestComment: if true, Mobile Members are allowed to respond with text as a solicited message  
|                   |                    | requestImage: if true, Mobile Members are allowed to send in a photo  
|                   |                    | requestLocation: if true, Mobile Members may geotag themselves, if they've allowed GPS access on their device  
|                   |                    | allowShare: if true, Mobile Members can share messages (e.g. email, Twitter, SMS) only if this option has been enabled at the organization level  
|                   |                    | "mobileSettings": {  "requestComment": true,  "requestImage": true,  "requestLocation": true,  "allowShare": false } |
| senderCallerInfos | object[]           | An array of one or more caller ID objects.  
|                   |                    | countryCode: must be a valid two character ISO country code  
|                   |                    | callerId: a valid phone number to show as the caller ID  
|                   |                    | {  "countryCode": "US",  "callerId": "8182309569" } |
| senderEmail       | string (8o)        | The display name on any emails that are sent.  
| throttle          | boolean            | Whether the notification enabled the call throttling feature or not.  
| throttleDefaultAmount | int              | Call throttling default limit.  


Broadcast Settings Example Body

"broadcastSettings": {
  "deliveryPathOrder": "Custom",
  "deliverPaths": [
    {
      "pathId": See path ID constants,
      "id": {internalId}
    },
    {
      "pathId": See path ID constants,
      "id": {internalId}
    }
  ],
  "duration": 1,
  "contactCycles": 1,
  "cycleInterval": 0,
  "deliveryMethodInterval": 0,
  "bookConference": false,
  "senderEmail": "Email Display Name",
  "senderCallerInfos": [
    {
      "countryCode": "US",
      "callerId": "8182309569"
    }
  ],
  "language": "en_US",
  "confirm": true,
  "mobileSettings": {
    "requestComment": true,
    "requestImage": true,
    "requestLocation": true,
    "allowShare": false
  },
  "throttleDefaultAmount": 0,
  "throttle": false
}

Launch Policies

The Launch Policies API is used to create, query, and manage Scheduled and Recurring notifications.
Launch Policy Fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Possible Values</th>
<th>Notes</th>
<th>Type Applies to</th>
</tr>
</thead>
<tbody>
<tr>
<td>type</td>
<td>Recurring Schedule</td>
<td>The name of the Resource (constant).</td>
<td>All</td>
</tr>
<tr>
<td>startDate</td>
<td>Unix epoch date/time</td>
<td>See tools for date/time conversion functions.</td>
<td>Schedule,</td>
</tr>
<tr>
<td>endDate</td>
<td>Unix epoch date/time</td>
<td>See tools for date/time conversion functions.</td>
<td>Recurring</td>
</tr>
<tr>
<td>repeatType</td>
<td>YEARLY, MONTHLY, WEEKLY, DAILY</td>
<td>The type of repeat function to send the notification.</td>
<td>Recurring</td>
</tr>
<tr>
<td>repeatNumber</td>
<td>Integer greater than 0</td>
<td>Repeat every N days, weeks, etc.</td>
<td>All recurring</td>
</tr>
<tr>
<td>hour</td>
<td>0-23</td>
<td>Hour of the day to send the notification.</td>
<td>All recurring</td>
</tr>
<tr>
<td>minute</td>
<td>0-59</td>
<td>Minute of the hour to send the notification.</td>
<td>All recurring</td>
</tr>
<tr>
<td>month</td>
<td>1-12</td>
<td>Month of the year to send the notification.</td>
<td>Recurring-YEARLY</td>
</tr>
<tr>
<td>day</td>
<td>1-31</td>
<td>Day of the month of repeat on.</td>
<td>Recurring-YEARLY</td>
</tr>
<tr>
<td>timezoneId</td>
<td>Any valid IANA Time Zone Database time zone identifier</td>
<td>e.g. America/Los Angeles</td>
<td>All</td>
</tr>
<tr>
<td>weekDays</td>
<td>SUNDAY, MONDAY, TUESDAY, WEDNESDAY, THURSDAY, FRIDAY, SATURDAY</td>
<td>weekDays must be passed as an array of strings. e.g. &quot;weekDays&quot;: [ &quot;SUNDAY&quot;, &quot;SATURDAY&quot; ]</td>
<td>Recurring-WEEKLY</td>
</tr>
</tbody>
</table>

Minimum Requirements for Launch Policies POST or PUT

Examples for each of the options include:

- Daily Recurring
  - ex. Daily reminder to clock out at the end of your shift sent at 4PM each day and sent to all hourly employees.

- Weekly Recurring
  - ex. Weekly team meeting reminder sent the day before the meeting.
◊ Monthly Recurring
  ex. Reminder for monthly all staff meeting.
◊ Yearly Recurring
  ex. Announcement to Employees to verify with their benefits plan to be up to date with accurate information.
◊ Scheduled
  ex. Fire Drill is planned a few weeks prior to the event, the notification is scheduled in advance to go out and alert the employees when the alarm will be going off for the day of the event.

**Daily Recurring Notification**

```
{
  "type": "Recurring",
  "notification": {
    "broadcastContacts": {
      "groupId": [884015938670971]
    },
    "type": "Standard",
    "priority": "NonPriority",
    "launchType": "Recurring",
    "message": {
      "contentType": "Text",
      "title": "Clock out from shift",
      "textMessage": "Please clock out at the end of your shift today. Thank you."
    }
  },
  "launchSetting": {
    "startDate": 1409893200000,
    "endDate": 1410065999000,
    "repeatType": "DAILY",
    "repeatNumber": 1,
    "hour": 16,
    "minute": 0,
    "timeZoneId": "America/Chicago"
  }
}
```
Weekly Recurring Notification

```json
{
    "type": "Recurring",
    "notification": {
        "broadcastContacts": {
            "groupIds": [884015938670971]
        },
        "type": "Standard",
        "priority": "NonPriority",
        "launchtype": "Recurring",
        "message": {
            "contentType": "Text",
            "title": "Project Management Team meeting",
            "textMessage": "Product team meeting tomorrow at 11AM in the conference room."
        }
    },
    "launchSetting": {
        "startDate": 1409893200000,
        "endDate": 1410584399000,
        "repeatType": "WEEKLY",
        "repeatNumber": 1,
        "hour": 14,
        "minute": 0,
        "weekDays": [
            "TUESDAY"
        ],
        "timeZoneId": "America/Chicago"
    }
}
```
Monthly Recurring Notification

{
    "type": "Recurring",
    "notification": {
        "broadcastContacts": {
            "groupIds": [
                884015938670971
            ]
        },
        "type": "Standard",
        "priority": "NonPriority",
        "launchType": "Recurring",
        "message": {
            "contentType": "Text",
            "title": "All Hands meeting today",
            "textMessage": "This is a reminder for the All Hands Meeting today at 2PM in the Training Room."
        }
    },
    "launchSetting": {
        "startDate": 1409893200000,
        "endDate": 1412139599000,
        "repeatType": "MONTHLY",
        "repeatNumber": 1,
        "hour": 9,
        "minute": 0,
        "day": 5,
        "timeZoneId": "America/Chicago"
    }
}
Yearly Recurring Notification

{
    "type": "Recurring",
    "notification": {
        "broadcastContacts": {
            "groupIds": [884015938670971]
        },
        "type": "Standard",
        "priority": "NonPriority",
        "launchtype": "Recurring",
        "message": {
            "contentType": "Text",
            "title": "VERIFY BENEFITS PLAN",
            "textMessage": "It is that time of year - please verify your benefits plan. New plans start on January 1."
        }
    },
    "launchSetting": {
        "startDate": 1409893200000,
        "endDate": 1412139599000,
        "repeatType": "YEARLY",
        "repeatNumber": 1,
        "hour": 08,
        "minute": 0,
        "month": 12,
        "day": 18,
        "timeZoneId": "America/Chicago"
    }
}
Scheduled Notification

```
{
    "type": "Schedule",
    "notification": {
        "broadcastContacts": {
            "externalIds": [
                "100666"
            ],
        },
        "type": "Standard",
        "priority": "NonPriority",
        "launchtype": "Schedule",
        "message": {
            "contentType": "Text",
            "title": "Test send later API",
            "textMessage": "Fire alarm today at 3pm, please use main stairwell to exit the building when alarm sounds."
        },
        "launchSetting": {
            "startDate": 1410036400000,
            "endDate": 1410036400000,
            "timeZoneId": "America/Chicago"
        }
    }
}
```

Standard Notifications

Base Object

<table>
<thead>
<tr>
<th>Field</th>
<th>Data Type</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>type</td>
<td>string</td>
<td>Standard</td>
</tr>
<tr>
<td>priority</td>
<td>string</td>
<td>One of:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>◊ NonPriority</td>
</tr>
<tr>
<td></td>
<td></td>
<td>◊ Priority</td>
</tr>
<tr>
<td>launchtype</td>
<td>string</td>
<td>One of:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>◊ SendNow</td>
</tr>
<tr>
<td></td>
<td></td>
<td>◊ Recurring</td>
</tr>
<tr>
<td></td>
<td></td>
<td>◊ Schedule</td>
</tr>
<tr>
<td>broadcastContacts</td>
<td>object</td>
<td>See broadcastContacts</td>
</tr>
</tbody>
</table>
## Message

<table>
<thead>
<tr>
<th>Field</th>
<th>Data Type (Length)</th>
<th>Required?</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>contentType</td>
<td>string</td>
<td>y</td>
<td>One of:◊ Text ◊ VoiceText</td>
</tr>
<tr>
<td>title</td>
<td>string (80)</td>
<td>y</td>
<td>The title of the message.</td>
</tr>
<tr>
<td>textMessage</td>
<td>string</td>
<td>y</td>
<td>The body of the message.</td>
</tr>
<tr>
<td>rtfContent</td>
<td>string</td>
<td>n</td>
<td>Rich-text (HTML) content for the body of the message. Escape quotes in the HTML content using a backslash ().&lt;h1 style=&quot;color:#ff5050&quot;&gt;Header 1 text&lt;/h1&gt;</td>
</tr>
<tr>
<td>attachmentFiles</td>
<td>object[]</td>
<td>n</td>
<td>{ &quot;fileId&quot;: &quot;The fileId returned from an attachment POST&quot; } For details, see Attachments on page 182.</td>
</tr>
<tr>
<td>audioKey</td>
<td>string</td>
<td>n</td>
<td>The audio key returned from an audio file POST. For details, see Audio on page 180.</td>
</tr>
</tbody>
</table>
Standard Notification using Default Settings

```json
{
    "broadcastContacts": {
        "contactIds": [5743857366033992],
        "externalIds": [],
        "groupId": [],
        "filterIds": []
    },
    "type": "Standard",
    "priority": "NonPriority",
    "launchType": "SendNow",
    "message": {
        "contentType": "Text",
        "title": "Test with all default settings",
        "textMessage": "This notification uses all the default settings."
    }
}
```

Standard Notification with All Options Specified

```json
{
    "broadcastContacts": {
        "contactIds": [5743857366033992]
    },
    "type": "Standard",
    "priority": "NonPriority",
    "launchType": "SendNow",
    "message": {
        "contentType": "Text",
        "title": "Test with all options specified",
        "textMessage": "This JSON has all options specified, one delivery path."
    },
    "broadcastSettings": {
        "voiceMailOption": "MESSAGE_ONLY",
        "throttleDefaultAmount": 0,
        "throttle": false,
        "mobileSettings": {
            "requestComment": false,
            "requestImage": false,
            "requestLocation": false,
```
Polling/Quota Notification

Base Object

<table>
<thead>
<tr>
<th>Field</th>
<th>Data Type (Length)</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>type</td>
<td>string</td>
<td>One of:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>◦ Polling</td>
</tr>
<tr>
<td></td>
<td></td>
<td>◦ Quota</td>
</tr>
<tr>
<td>priority</td>
<td>string</td>
<td>One of:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>◦ NonPriority</td>
</tr>
<tr>
<td></td>
<td></td>
<td>◦ Priority</td>
</tr>
</tbody>
</table>
The attachmentFiles, audioKey and rtfContent fields are optional.

### Message

The title of the message.

The body of the message.

Rich-text (HTML) content for the body of the message. Escape quotes in the HTML content using a backslash (\).

```html
<h1 style="color:#ff5050">Header 1 text</h1>
```
<table>
<thead>
<tr>
<th>Field</th>
<th>Data Type (Length)</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>questionnaire</td>
<td>object[]</td>
<td>Yes, the field name &quot;questionaire&quot; is actually misspelled. There's an open case for this bug. For a polling message, an array of possible answers to the polling question. The maximum number of elements in the array is nine (9).</td>
</tr>
<tr>
<td></td>
<td></td>
<td>&quot;answers&quot;: [</td>
</tr>
<tr>
<td></td>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td></td>
<td>&quot;name&quot;: &quot;Yes&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>}</td>
</tr>
<tr>
<td></td>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td></td>
<td>&quot;name&quot;: &quot;No&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>}</td>
</tr>
<tr>
<td></td>
<td></td>
<td>For a polling with quota message, an array of possible answers to the polling question. The maximum number of elements in the array is nine (9). Note the extra field in the answers array to specify the quota number for each answer.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>&quot;answers&quot;: [</td>
</tr>
<tr>
<td></td>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td></td>
<td>&quot;quotaNum&quot;: 2,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>&quot;name&quot;: &quot;Yes&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>}</td>
</tr>
<tr>
<td></td>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td></td>
<td>&quot;quotaNum&quot;: 0,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>&quot;name&quot;: &quot;No&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>}</td>
</tr>
<tr>
<td>attachmentFiles</td>
<td>object[]</td>
<td>{</td>
</tr>
<tr>
<td></td>
<td></td>
<td>&quot;fileId&quot;: &quot;The fileId returned from an attachment POST&quot;</td>
</tr>
<tr>
<td>audioKey</td>
<td>string</td>
<td>The audio key returned from an audio file POST.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>See Audio on page 180.</td>
</tr>
</tbody>
</table>
Polling Notification with Default Settings

```json
{
    "broadcastContacts": {
        "contactIds": [
            5743857366033992
        ],
        "externalIds": [],
        "groupId": [],
        "filterIds": []
    },
    "type": "Polling",
    "priority": "NonPriority",
    "launchType": "SendNow",
    "message": {
        "contentType": "Text",
        "title": "Polling message from the API",
        "textMessage": "This is a simple yes/no polling message from the API."
    },
    "questionnaire": {
        "answers": [
            {
                "name": "Yes"
            },
            {
                "name": "No"
            }
        ]
    }
}
```
Quota Notification using Default Settings

```json
{
  "broadcastContacts": {
    "contactIds": [
      5743857366033992
    ],
    "externalIds": [],
    "groupIds": [],
    "filterIds": []
  },
  "type": "Quota",
  "priority": "NonPriority",
  "launchtype": "SendNow",
  "message": {
    "contentType": "Text",
    "title": "Polling with quota message from the API",
    "textMessage": "This is a simple yes/no polling message with a quota from the API."
  },
  "questionaire": {
    "answers": [
      {
        "quotaNum": 2,
        "name": "Yes"
      },
      {
        "quotaNum": 0,
        "name": "No"
      }
    ]
  }
}
```

Conference Notification

**Base Object**

<table>
<thead>
<tr>
<th>Field</th>
<th>Data Type (Length)</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>type</td>
<td>string</td>
<td>Conference</td>
</tr>
</tbody>
</table>
### Message

The attachmentFiles, audioKey and rtfContent fields are optional.

<table>
<thead>
<tr>
<th>Field</th>
<th>Data Type (Length)</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>priority</td>
<td>string</td>
<td>One of: NonPriority, Priority</td>
</tr>
<tr>
<td>message</td>
<td>object</td>
<td>See message</td>
</tr>
<tr>
<td>launchtype</td>
<td>string</td>
<td>One of: SendNow, Recurring, Schedule</td>
</tr>
<tr>
<td>broadcastSettings</td>
<td>object</td>
<td>See broadcastSettings</td>
</tr>
<tr>
<td>broadcastContacts</td>
<td>object</td>
<td>See broadcastContacts</td>
</tr>
<tr>
<td>contentType</td>
<td>string</td>
<td>One of: Text, VoiceText</td>
</tr>
<tr>
<td>title</td>
<td>string (80)</td>
<td>The title of the message</td>
</tr>
<tr>
<td>textMessage</td>
<td>string</td>
<td>The body of the message</td>
</tr>
</tbody>
</table>
| rtfContent        | string             | Rich-text (HTML) content for the body of the message. Escape quotes in the HTML content using a backslash (\).
| conferenceBridgeId| long               | The internal ID of the conference bridge you wish to use.            |
| attachmentFiles   | object[]           | { "fileId": "The fileId returned from an attachment POST" }         |
| audioKey          | string             | The audio key returned from an audio file POST. Field                |

REST APPLICATION PROGRAMMING INTERFACE GUIDE
Chapter 3 – Notifications

Conference Notification using Default Settings

```json
{
    "broadcastContacts": {
        "contactIds": [
            5743857366033992
        ],
        "externalIds": [],
        "groupIds": [],
        "filterIds": []
    },
    "type": "Conference",
    "priority": "NonPriority",
    "launchtype": "SendNow",
    "message": {
        "contentType": "Text",
        "title": "Conference message from the API",
        "textMessage": "This is a simple conference message from the API.",
        "conferenceBridgeId": 892807736723189
    }
}
```

Notification Results

For notification results, you can opt for basic summary information (verbose==false) or detailed delivery results (verbose==true).

**Verbose == false**

<table>
<thead>
<tr>
<th>Field</th>
<th>Data Type (Length)</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>notificationId</td>
<td>long</td>
<td>The notification ID.</td>
</tr>
<tr>
<td>unreachableCount</td>
<td>int</td>
<td>The number of contacts that with no valid contact information.</td>
</tr>
<tr>
<td>confirmedCount</td>
<td>int</td>
<td>The number of contacts that confirmed the message.</td>
</tr>
<tr>
<td>totalCount</td>
<td>int</td>
<td>The total number of contacts on the notification.</td>
</tr>
<tr>
<td>confirmedLateCount</td>
<td>int</td>
<td>The number of contacts that confirmed after the notification's duration had elapsed.</td>
</tr>
<tr>
<td>notConfirmedCount</td>
<td>int</td>
<td>The number of contacts that did not confirm.</td>
</tr>
<tr>
<td>allDetails</td>
<td>object[]</td>
<td>This field has all the delivery result detail in it. This is an array where each element contains all the delivery results for an individual contact.</td>
</tr>
<tr>
<td>id</td>
<td>long</td>
<td>This is the internal ID for a contact.</td>
</tr>
<tr>
<td>contactId</td>
<td>long</td>
<td>The ID of the contact.</td>
</tr>
<tr>
<td>Field</td>
<td>Data Type (Length)</td>
<td>Notes</td>
</tr>
<tr>
<td>------------------</td>
<td>--------------------</td>
<td>----------------------------------------------------------------------</td>
</tr>
<tr>
<td>externalId</td>
<td>string</td>
<td>This is the user defined unique identifier for a contact and must be unique. Typically an employee ID number is used.</td>
</tr>
<tr>
<td>result</td>
<td>string</td>
<td>The result of the last attempt for this contact.</td>
</tr>
<tr>
<td>attemptTime</td>
<td>long</td>
<td>Unix epoch date/time when the notification was attempted.</td>
</tr>
<tr>
<td>firstAttemptTime</td>
<td>long</td>
<td>Unix epoch date/time when the notification was first attempted.</td>
</tr>
<tr>
<td>fullName</td>
<td>string</td>
<td>The contact’s first and last name.</td>
</tr>
<tr>
<td>firstName</td>
<td>string</td>
<td>The contact’s first name.</td>
</tr>
<tr>
<td>lastName</td>
<td>string</td>
<td>The contact’s last name.</td>
</tr>
<tr>
<td>confirmedPathId</td>
<td>long</td>
<td>The confirmation delivery path Id.</td>
</tr>
<tr>
<td>confirmedPath</td>
<td>string</td>
<td>The type of device that received the confirmation.</td>
</tr>
<tr>
<td>confirmedPathValue</td>
<td>string</td>
<td>The value of the confirmed device: e.g. email address, phone number, etc.</td>
</tr>
<tr>
<td>confirmedDate</td>
<td>long</td>
<td>Unix epoch date/time when the contact confirmed.</td>
</tr>
<tr>
<td>attempt</td>
<td>long</td>
<td>The number of attempt messages sent to the contact.</td>
</tr>
<tr>
<td>responseTextMessage</td>
<td>string</td>
<td>The contact’s polling response.</td>
</tr>
<tr>
<td>confirmed</td>
<td>boolean</td>
<td>If true, the contact has confirmed.</td>
</tr>
<tr>
<td>createdId</td>
<td>long</td>
<td>The internal ID of the user that created the notification.</td>
</tr>
<tr>
<td>callResultsByPath</td>
<td>object[]</td>
<td>This is an array where each element describes the delivery results for an individual contact path.</td>
</tr>
</tbody>
</table>

*Only for Polling/Quota notifications.*
Notification Results where Verbose == true

```json
"notificationResult": {
  "notificationId": 0,
  "unreachableCount": 0,
  "confirmedCount": 1,
  "totalCount": 1,
  "confirmedLateCount": 0,
  "notConfirmedCount": 0,
  "allDetails": [
    {
      "id": 2216624053974622,
      "notificationId": 3083034899333564,
      "contactId": 5743857366033992,
      "externalId": "100666",
      "result": "05-MAY-17",
      "attemptTime": 1409927753000,
      "firstAttemptTime": 1409927753000,
      "fullName": "Lori Sweet",
      "firstName": "Lori",
      "lastName": "Sweet",
      "confirmedPathId": 14402,
      "confirmedPath": "Mobile Member",
      "confirmedPathValue": "Mobile Member App",
      "confirmedDate": 1409928520000,
      "attempt": 0,
      "responseTextMessage": "Polling response text" //only for Polling or Quota,
      "confirmed": true,
      "createdId": 892807736721858,
      "callResultByPaths": [
        {
          "journalId": 1898992689,
          "attemptOrder": 1,
          "attemptTime": 1409927753000,
          "waitTime": 0,
          "cycleSeq": 0,
          "path": "Mobile Member",
          "pathText": "Mobile Member App",
          "callResult": "05-MAY-17",
          "firstName": "Lori",
          "lastName": "Sweet",
          "confirmed": true
        },
        {
          "journalId": 1898993919,
          "attemptOrder": 2,
          "attemptTime": 1409927774000,
          "waitTime": 0,
          "cycleSeq": 0,
          "path": "Business email",
          "callResult": "05-MAY-17",
          "firstName": "Lori",
          "lastName": "Sweet",
          "confirmed": true
        }
      ]
    }
  ]
}
```
"path": "Business email",
"pathText": "lori.sweet@email.com",
"callResult": "E-Mail Not Confirmed",
"firstName": "Lori",
"lastName": "Sweet",
"confirmed": false
},
{
  "journalId": 1898994059,
  "attemptOrder": 3,
  "attemptTime": 1409927790000,
  "waitTime": 0,
  "cycleSeq": 0,
  "path": "Business SMS",
  "pathText": "19139529999",
  "callResult": "SMS Not Confirmed",
  "firstName": "Lori",
  "lastName": "Sweet",
  "confirmed": false
}
Notifications

GET /notifications/{organizationId}

Description
Retrieve all notifications for an organization.

Return type
collection of notifications

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization containing the notifications.</td>
</tr>
<tr>
<td>notificationEventId</td>
<td>long</td>
<td>y</td>
<td>Restrict returned notifications to a specific notificationEvent.</td>
</tr>
<tr>
<td>onlyActive</td>
<td>boolean</td>
<td>y</td>
<td>Boolean value indicating whether only active broadcasts should be returned. Default = false</td>
</tr>
<tr>
<td>pageNumber</td>
<td>int</td>
<td>y</td>
<td>The page number of notifications to return.</td>
</tr>
</tbody>
</table>
GET /notifications/{organizationId}/{notificationId}

**Description**
Retrieve the status of a notification within an organization.

**Return type**
notification instance

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization containing the notification.</td>
</tr>
<tr>
<td>notificationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the notification to return.</td>
</tr>
<tr>
<td>verbose</td>
<td>boolean</td>
<td>n</td>
<td>A boolean indicating whether to return detailed results. Default = false</td>
</tr>
</tbody>
</table>

GET/ notifications/{organizationId}/reports

**Description**
Retrieve the notifications for an organization with start date range.

**Return type**
notifications instance

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization containing the notification reports.</td>
</tr>
</tbody>
</table>
## Notification Report Data Model

`notificationReport.js`

```javascript
{
  "message": "OK",
  "result": {
    "startDate": 1397658582969,
    "accountId": 8800387990064,
    "broadcastContacts": {
      "contactIds": [4402341479113, 4402341478985],
      "contactSearchType": "AllOr",
      "enableGroupCalendar": false
    },
    "endDate": 1397662182969,
    "transformed": true,
    "organizationId": 8800387990263,
    "type": "Polling",
    "id": 4402341512992,
    "notificationStatus": "In progress",
    "productSource": "MNIV",
    "priority": "NonPriority",
    "oldAwareCAMPID": 5500072,
    "createdDate": 1397658582969,
    "hasNotification": true,
    "createdName": "Allen Lai",
    "status": "A",
    "notificationResult": {
      "notificationId": 0,
      "unreachableCount": 0,
      "confirmedCount": 1,
    }
  }
}
```
"externalId": "12",
"createdId": 4402341478524,
"callResultByPaths": [
{
  "journalId": 1158726212,
  "attemptOrder": 0,
  "waitTime": 0,
  "cycleSeq": 0,
  "path": "Email",
  "pathText": "allen.lai@everbridge.com",
  "callResult": "Not Attempted - Duplicate Contact Information",
  "firstName": "Allen-CA",
  "lastName": "Lai"
},
{
  "journalId": 1158726222,
  "attemptOrder": 1,
  "attemptTime": 1397658636000,
  "waitTime": 0,
  "countryCode": "CN",
  "cycleSeq": 1,
  "path": "Cell-phone",
  "pathText": "0118613691059798",
  "callResult": "Connected-Machine-Delivered",
  "firstName": "Allen-CA",
  "lastName": "Lai",
  "confirmed": false
}
],
"confirmed": false
},
"resourceBundleId": 8800387990350,
"launchtype": "SendNow",
"publicMessages": {},
"message": {
  "accountId": 0,
  "organizationId": 0,
  "contentType": "Text",
  "id": 0,
  "title": "Meeting!",
  "textMessage": "Hi Team,\nThere will be a meeting on 10APR 9:00pm for discussions about the ""XXX"" plan. Please feel free to join.\nAny concerns, please contact internal line #2323."
},
"conferenceBridgeId": 0,
"useCustomEmail": false,
"resourceBundleId": 0,
"questionaire": {
"inputOptionAllowable": false,
"multipleSelected": false,
"answers": [
{
  "quotaNum": 0,
  "name": "I'm available"
},
{
  "quotaNum": 0,
  "name": "I'm not available"
}
],
"required": false,
"lastModifiedId": 0,
"createdId": 0
},
"broadcastSettings": {
  "throttleDefaultAmount": 0,
  "throttle": false,
  "mobileSettings": {
    "requestComment": false,
    "requestImage": false,
    "requestLocation": false,
    "allowShare": false,
    "requireConfirm": false,
    "pushAlertEnabled": false
  },
  "deliverPaths": [
  {
    "accountId": 8800387990064,
    "pathId": 241901148045316,
    "organizationId": 8800387990263,
    "awarePathId": 2892972,
    "id": 4402341480077,
    "expose": false,
    "isDefault": false,
    "createdDate": 1364960500746,
    "createdName": "Allen lai",
    "status": "A",
    "mandatory": false,
    "resourceBundleId": 8800387990350,
    "editable": false,
    "seq": 3,
    "lastModifiedDate": 1392103988479,
    "lastModifiedId": 4402341478524,
    "createdId": 4402341478524,
    "prompt": "Email",
    "lastModifiedName": "Allen lai"}
"extRequired": false,
"displayFlag": false,
"default": false
},
{
"accountId": 8800387990064,
"pathId": 241901148045319,
"organizationId": 8800387990263,
"awarePathId": 3302662,
"id": 4402341481354,
"expose": false,
"isDefault": false,
"createdDate": 1381542540549,
"createdName": "Allen lai",
"status": "A",
"mandatory": false,
"resourceBundleId": 8800387990350,
"editable": false,
"seq": 6,
"lastModifiedDate": 1392103988480,
"lastModifiedId": 4402341478524,
"prompt": "Cell-phone",
"lastModifiedName": "Allen lai",
"extRequired": false,
"displayFlag": false,
"default": false
},
{
"accountId": 8800387990064,
"pathId": 21990915489806,
"organizationId": 8800387990263,
"awarePathId": 3512032,
"id": 4402341481755,
"expose": true,
"isDefault": true,
"createdDate": 1386673285077,
"createdName": "Allen lai",
"status": "A",
"mandatory": false,
"resourceBundleId": 8800387990350,
"editable": true,
"seq": 7,
"lastModifiedDate": 1392103988481,
"lastModifiedId": 4402341478524,
"createdId": 4402341478524,
"prompt": "TAP Pager"
"extRequired": false,
"displayFlag": false,
"default": false
},
{
  "accountId": 8800387990064,
  "pathId": 241901148045319,
  "organizationId": 8800387990263,
  "awarePathId": 3302662,
  "id": 4402341481354,
  "expose": false,
  "isDefault": false,
  "createdDate": 1381542540549,
  "createdName": "Allen lai",
  "status": "A",
  "mandatory": false,
  "resourceBundleId": 8800387990350,
  "editable": false,
  "seq": 6,
  "lastModifiedDate": 1392103988480,
  "lastModifiedId": 4402341478524,
  "createdId": 4402341478524,
  "prompt": "Cell-phone",
  "lastModifiedName": "Allen lai",
  "extRequired": false,
  "displayFlag": false,
  "default": false
},
{
  "accountId": 8800387990064,
  "pathId": 219910915489806,
  "organizationId": 8800387990263,
  "awarePathId": 3512032,
  "id": 4402341481755,
  "expose": true,
  "isDefault": true,
  "createdDate": 1386673285077,
  "createdName": "Allen lai",
  "status": "A",
  "mandatory": false,
  "resourceBundleId": 8800387990350,
  "editable": true,
  "seq": 7,
  "lastModifiedDate": 1392103988481,
  "lastModifiedId": 4402341478524,
  "createdId": 4402341478524,
  "prompt": "TAP Pager",
  "lastModifiedName": "Allen lai",
  "extRequired": false,
  "displayFlag": false,
  "default": true


```json
{
  "accountId": 8800387990064,
  "pathId": 219910915489807,
  "organizationId": 8800387990263,
  "awarePathId": 3512042,
  "id": 4402341481756,
  "expose": true,
  "isDefault": true,
  "createdDate": 1386673307105,
  "createdName": "Allen lai",
  "status": "A",
  "mandatory": false,
  "resourceBundleId": 8800387990350,
  "editable": true,
  "seq": 8,
  "lastModifiedDate": 1392103988481,
  "lastModifiedId": 4402341478524,
  "prompt": "Numeric Pager",
  "lastModifiedName": "Allen lai",
  "extRequired": false,
  "displayFlag": false,
  "default": true
}
```

```
"requirePinForMessage": false,
"deliveryMethodInterval": 0,
"bookConference": false,
"cycleInterval": 0,
"duration": 1,
"senderCallerInfos": [
  {
    "countryName": "United States",
    "accountId": 0,
    "countryCode": "US",
    "resourceBundleId": 0,
    "organizationId": 0,
    "id": 0,
    "callerId": "7812345431",
    "isDefault": false,
    "createdId": 0,
    "createdDate": 1386673307105,
    "lastModifiedId": 0
  },
  {
    "countryName": "China",
    "accountId": 0,
    "countryCode": "CN",
    "resourceBundleId": 0,
    "organizationId": 0
  }
]```
PUT /notifications/{organizationId}/{notificationId}

Description

Update a notification.

Stop a Notification: A full notification JSON can be passed as input, but the only portion that will honored is notificationStatus.

{
   "notificationStatus" : "Stopped"
}

Return type

notification instance
Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The organization from which to initiate the notification.</td>
</tr>
<tr>
<td>notificationId</td>
<td>long</td>
<td>y</td>
<td>The ID of this notification to return.</td>
</tr>
<tr>
<td>notification</td>
<td>NotificationWrapper</td>
<td>y</td>
<td>A Notification object defining the state of the updated notification.</td>
</tr>
</tbody>
</table>

**POST /notifications/{organizationId}**

**Description**

Initiate an immediate notification.

Only notifications with broadcastSettings.launchType or SendNow are allowed for this method. If you need to create a scheduled or recurring notification, use the Launch Policies API (see Launch Policies on page 113).

**NOTE:** To launch a notification template, use the following JSON format, where the numeric string is the template ID.

```json
{
   "sourceTemplateId":57178899611649
}
```

**NOTE:** If you use a sourceTemplateId, you will NOT be able to override any elements of the notification template including the contacts.

**Return type**

notification instance
## Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The organization from which to initiate the notification.</td>
</tr>
<tr>
<td>notification</td>
<td>NotificationWrapper</td>
<td>y</td>
<td>A Notification object to send. Note that only notifications with launchType of SendNow are accepted by this method.  To create scheduled or recurring notifications, use the /launchPolicies method.</td>
</tr>
</tbody>
</table>
Launch Policies

GET /launchPolicies/{organizationId}

Description
Retrieve all launchPolicies for an organization.
View all the Scheduled and Recurring Notifications for the organization.

Return type
collection of launchPolicies

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization containing the launchPolicies.</td>
</tr>
<tr>
<td>pageNumber</td>
<td>int</td>
<td>y</td>
<td>The page number of launchPolicies to return.</td>
</tr>
</tbody>
</table>

GET /launchPolicies/{organizationId}

Description
Retrieve all launchPolicies for an organization.
View all the Scheduled and Recurring Notifications for the organization.

Return type
collection of launchPolicies
Parameters

**GET /launchPolicies/{organizationId}/{launchPolicyId}**

**Description**

Retrieve a specific launchPolicy within an organization.

Retrieve the specific Scheduled or Recurring Notification.

**Return type**

launchPolicy instance

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization containing the launchPolicies.</td>
</tr>
<tr>
<td>pageNumber</td>
<td>int</td>
<td>y</td>
<td>The page number of launchPolicies to return.</td>
</tr>
</tbody>
</table>

**POST /launchPolicies/{organizationId}**

**Description**

Create a launchPolicy.

Create a Scheduled or Recurring Notification.

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization containing the launchPolicy.</td>
</tr>
<tr>
<td>launchPolicyId</td>
<td>long</td>
<td>y</td>
<td>The ID of the launchPolicy to return.</td>
</tr>
</tbody>
</table>
**Return type**

launchPolicy instance

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization from which to initiate the launchPolicy.</td>
</tr>
<tr>
<td>launchPolicy</td>
<td>launchPolicyWrapper</td>
<td>y</td>
<td>The launchPolicy object to create.</td>
</tr>
</tbody>
</table>

**PUT /launchPolicies/{organizationId}/{launchPolicyId}**

**Description**

Update a launchPolicy.
Update a Scheduled or Recurring Notification.

**Return type**

launchPolicy instance

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization from which to initiate the launchPolicy.</td>
</tr>
<tr>
<td>launchPolicyId</td>
<td>long</td>
<td>y</td>
<td>The ID of the launchPolicy to modify.</td>
</tr>
<tr>
<td>launchPolicy</td>
<td>launchPolicyWrapper</td>
<td>y</td>
<td>The new state of the launchPolicy object.</td>
</tr>
</tbody>
</table>
DELETE /launchPolicies/{organizationId}/{launchPolicyId}

Description
Delete the specified launchPolicy from the organization.
Delete the specified Scheduled or Recurring Notification.

Return type
launchPolicy instance

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization containing the launchPolicies.</td>
</tr>
<tr>
<td>launchPolicyId</td>
<td>long</td>
<td>y</td>
<td>The ID of the launchPolicy to delete.</td>
</tr>
</tbody>
</table>
The Nixle Notification API is a part of /notifications/ API. It only adds a new channel to publicMessage (see below). The response of the API remains the same.

**GET /notifications - Response (Nixle Only)**

```
"publicMessages": {
    "nixleAlertMessage": {
        "event": "Mountain Rescue",
        "urgency": "Expected",
        "severity": "Moderate",
        "certainty": "Likely",
        "category": "Rescue",
        "expire": "8",
        "smsMessage": "Mandatory Security Training",
        "instructions": "There is a security training that we have to go through and security team needs proof that people take it. It’s a FedRAMP requirement.",
        "action": "create",
        "type": 2,
        "applyZipCodeToEventGroups": false,
        "community": {
            "contactName": "Ellie Pei",
            "contactEmail": "ellie.pei@example.com",
            "contactDivision": "Development",
            "contactPhone": "123",
            "jurisdictionType": "some",
            "regionIds": [
                61289,
                61291
            ]
        },
        "eventGroups": [
            25000881
        ]
    }
}
```
POST /notifications - Body (Nixle Only)

"publicMessages": {
  "nixleAlertMessage": {
    "event": "Mountain Rescue",
    "urgency": "Expected",
    "severity": "Moderate",
    "certainty": "Likely",
    "category": "Rescue",
    "expire": "8",
    "smsMessage": "Mandatory Security Training",
    "instructions": "There is a security training that we have to go through and security team needs proof that people take it. It’s a FedRAMP requirement."
  },
  "action": "create",
  "type": 2,
  "applyZipCodeToEventGroups": false,
  "community": {
    "contactName": "Ellie Pei",
    "contactEmail": "ellie.pei@example.com",
    "contactDivision": "Development",
    "contactPhone": "123",
    "jurisdictionType": "some",
    "regionIds": [
      61289,
      61291
    ]
  },
  "eventGroups": [
    25000881
  ]
}
## Field Descriptions

<table>
<thead>
<tr>
<th>Field</th>
<th>Data Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>category</td>
<td>string</td>
<td>y</td>
<td>The value should be one of the following case-sensitive categories: ◊ CBRNE ◊ Env ◊ Fire ◊ Geo ◊ Health ◊ Infra ◊ Met ◊ Other ◊ Rescue ◊ Safety ◊ Security ◊ Transport</td>
</tr>
<tr>
<td>event</td>
<td>string</td>
<td>y</td>
<td>Refer to the CAP Events section below. The event must be one of the selected categories.</td>
</tr>
<tr>
<td>urgency</td>
<td>string</td>
<td>y</td>
<td>The value should be one of the following case-sensitive urgencies: ◊ Expected ◊ Unknown ◊ Immediate ◊ Past ◊ Future</td>
</tr>
<tr>
<td>severity</td>
<td>string</td>
<td>y</td>
<td>The value should be one of the following case-sensitive severities: ◊ Moderate ◊ Unknown ◊ Extreme ◊ Minor ◊ Severe</td>
</tr>
<tr>
<td>certainty</td>
<td>string</td>
<td>y</td>
<td>The value should be one of the following case-sensitive certainties: ◊ Unknown ◊ Possible ◊ Observed ◊ Unlikely ◊ Likely</td>
</tr>
</tbody>
</table>
### Chapter 3 – Notifications

<table>
<thead>
<tr>
<th>Field</th>
<th>Data Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>expire</td>
<td>string</td>
<td>y</td>
<td>The value should be 1-24 hours in string; i.e., “1”, “2”, “3”, ..., “24”.</td>
</tr>
<tr>
<td>smsMessage</td>
<td>string</td>
<td>y</td>
<td></td>
</tr>
<tr>
<td>instructions</td>
<td>string</td>
<td>n</td>
<td></td>
</tr>
<tr>
<td>action</td>
<td>string</td>
<td>y</td>
<td>The value should only be Create, where the Update and Cancel actions will be supported in a future release.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>◊ create</td>
</tr>
<tr>
<td>type</td>
<td>int</td>
<td>y</td>
<td>The value should be one of the following types:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>◊ 2-Alert</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>◊ 3-Advisory</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>◊ 5-Community</td>
</tr>
<tr>
<td>applyZipCodeToEventGroups</td>
<td>boolean</td>
<td>n</td>
<td>If both 'community' and 'eventGroups' have values, the fields 'applyZipCodeToEventGroups' could be true; otherwise it should always be false.</td>
</tr>
<tr>
<td>contactName</td>
<td>string</td>
<td>n</td>
<td></td>
</tr>
<tr>
<td>contactEmail</td>
<td>string</td>
<td>n</td>
<td></td>
</tr>
<tr>
<td>contactDivision</td>
<td>string</td>
<td>n</td>
<td></td>
</tr>
<tr>
<td>contactPhone</td>
<td>string</td>
<td>n</td>
<td>◊ The phone number must be numeric.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>◊ The length can only be 3 or 10.</td>
</tr>
<tr>
<td>jurisdictionType</td>
<td>string</td>
<td>n</td>
<td>The value should be one of the following two case-sensitive types:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>◊ all</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>◊ some</td>
</tr>
<tr>
<td>regionIds</td>
<td>int[]</td>
<td>n</td>
<td>The value should be an array of the “id” returned from GET /nixleRegionIds/{organizationId}</td>
</tr>
<tr>
<td>eventGroups</td>
<td>int[]</td>
<td>n</td>
<td>The value should be an array of the ‘id” returned from GET /nixleEventGroups/{organizationId}</td>
</tr>
</tbody>
</table>

**NOTE:** The “regionIds” and “eventGroups” need to be dynamically retrieved by the following two APIs:
- GET /nixleRegionIds/{organizationId}
- GET /nixle/EventGroups/{organizationId}
## CAP Event Categories

<table>
<thead>
<tr>
<th>Category</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Security</td>
<td>Missing Person</td>
</tr>
<tr>
<td></td>
<td>Amber Alert</td>
</tr>
<tr>
<td></td>
<td>Attempted Child Abduction</td>
</tr>
<tr>
<td></td>
<td>Missing Child</td>
</tr>
<tr>
<td></td>
<td>Traffic Emergency</td>
</tr>
<tr>
<td></td>
<td>Wanted Person</td>
</tr>
<tr>
<td></td>
<td>Suspect Wanted</td>
</tr>
<tr>
<td></td>
<td>Attempted Kidnapping</td>
</tr>
<tr>
<td></td>
<td>Kidnapping</td>
</tr>
<tr>
<td></td>
<td>Ongoing Investigation</td>
</tr>
<tr>
<td></td>
<td>Police Activity</td>
</tr>
<tr>
<td></td>
<td>Criminal Activity</td>
</tr>
<tr>
<td></td>
<td>Blue Alert</td>
</tr>
<tr>
<td></td>
<td>Silver Alert</td>
</tr>
<tr>
<td>Safety</td>
<td>Missing Person</td>
</tr>
<tr>
<td></td>
<td>Amber Alert</td>
</tr>
<tr>
<td></td>
<td>Attempted Child Abduction</td>
</tr>
<tr>
<td></td>
<td>Missing Child</td>
</tr>
<tr>
<td></td>
<td>Severe Weather Warning</td>
</tr>
<tr>
<td></td>
<td>Severe Weather Watch</td>
</tr>
<tr>
<td></td>
<td>Debris Removal</td>
</tr>
<tr>
<td></td>
<td>Road Closure</td>
</tr>
<tr>
<td></td>
<td>Power Outage</td>
</tr>
<tr>
<td></td>
<td>Gas Leak</td>
</tr>
<tr>
<td></td>
<td>Campus Lockdown</td>
</tr>
<tr>
<td></td>
<td>Campus Shooting</td>
</tr>
<tr>
<td></td>
<td>Weapons on Campus</td>
</tr>
<tr>
<td></td>
<td>School Hostage Situation</td>
</tr>
<tr>
<td></td>
<td>Evacuation Immediate</td>
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<tr>
<td>Category</td>
<td>Event</td>
</tr>
<tr>
<td>----------</td>
<td>------------------------</td>
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<tr>
<td>Met</td>
<td>NWS Rebroadcast</td>
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<tr>
<td></td>
<td>NOAA Rebroadcast</td>
</tr>
<tr>
<td></td>
<td>Severe Thunderstorm Warning</td>
</tr>
<tr>
<td></td>
<td>Severe Thunderstorm Statement</td>
</tr>
<tr>
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<td>Winter Storm Watch</td>
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<td></td>
<td>Blizzard Warning</td>
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<td>Blizzard Watch</td>
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<td>Tornado Watch</td>
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<td>Flash Flood Warning</td>
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<td>Flash Flood Watch</td>
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<td>Tropical Storm Warning</td>
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<td>Hurricane Warning</td>
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<td>Excessive Heat Warning</td>
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<td>High Wind Warning</td>
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<td>Freeze Warning</td>
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<td>Geo</td>
<td>Earthquake</td>
</tr>
<tr>
<td></td>
<td>Tsunami Warning</td>
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<tr>
<td></td>
<td>Tsunami Watch</td>
</tr>
<tr>
<td></td>
<td>Avalanche</td>
</tr>
<tr>
<td></td>
<td>Volcanic Eruption</td>
</tr>
<tr>
<td></td>
<td>Landslide</td>
</tr>
<tr>
<td></td>
<td>Mudslide</td>
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<td>Wildfire</td>
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<td>Geomagnetic Storm</td>
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<td></td>
<td>Solar Radiation Storm</td>
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<td>Radio Blackouts</td>
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<tr>
<td>Category</td>
<td>Event</td>
</tr>
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<td>------------</td>
<td>-------------------------------------------------</td>
</tr>
<tr>
<td>Fire</td>
<td>Structure Fire</td>
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<td>Forest Fire</td>
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<td>Wildfire</td>
</tr>
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<td></td>
<td>Industrial Fire</td>
</tr>
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<td></td>
<td>Rescue Operation</td>
</tr>
<tr>
<td>Transport</td>
<td>Road Closure</td>
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<td>Vehicle Accident</td>
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<td>Travel Warning</td>
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<td>Travel Emergency</td>
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<td>Travel Derailment</td>
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<td>Snow Emergency</td>
</tr>
<tr>
<td>Rescue</td>
<td>Mountain Rescue</td>
</tr>
<tr>
<td></td>
<td>Ground Search and Rescue</td>
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<tr>
<td></td>
<td>Urban Search and Rescue</td>
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<td></td>
<td>Air-Sea Search and Rescue</td>
</tr>
<tr>
<td>Infra</td>
<td>Power Outage</td>
</tr>
<tr>
<td></td>
<td>Gas Leak</td>
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<td></td>
<td>Utility Emergency</td>
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<tr>
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<td>Telecommunications Emergency</td>
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<td>Water Control Facilities</td>
</tr>
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<td>Buildings and Equipment</td>
</tr>
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<td>Health</td>
<td>Influenza Epidemic</td>
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<td>Virus or Contagious Disease Outbreak</td>
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<td></td>
<td>Foodborne Disease Outbreak</td>
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<td>Boil Order</td>
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<td>Env</td>
<td>Air Pollution</td>
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<td>Soil Contamination</td>
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<td>Water Pollution</td>
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<td>Noise Pollution</td>
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<td>Acid Rain</td>
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<td>Toxic Waste</td>
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<td>CBRNE</td>
<td>Chemical Emergency</td>
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<td>Bioterrorism Attack</td>
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<td></td>
<td>Nuclear Attack</td>
</tr>
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<td></td>
<td>High-Yield Explosive Threat</td>
</tr>
<tr>
<td></td>
<td>High-Yield Explosive Attack</td>
</tr>
<tr>
<td></td>
<td>Radiation Emergency</td>
</tr>
<tr>
<td></td>
<td>Mass Casualties</td>
</tr>
<tr>
<td></td>
<td>Nuclear Power Plant Warning</td>
</tr>
</tbody>
</table>
### Category | Event
---|---
Other | Routine Monthly Test
      | Routine Weekly Test
GET /nixleEventGroups/{organizationId}

Description
Retrieve all event groups within an organization.

Return type
[nixleEventGroup][collection]

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization.</td>
</tr>
</tbody>
</table>

Response

<table>
<thead>
<tr>
<th>HTTP Status</th>
<th>Response Body</th>
</tr>
</thead>
<tbody>
<tr>
<td>200 OK</td>
<td>Get Nixle event groups successfully:</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;id&quot;: 25000881,</td>
</tr>
<tr>
<td></td>
<td>&quot;groupName&quot;: &quot;Developers&quot;</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
<tr>
<td>401 Unauthorized</td>
<td>◊ incorrect User ID or Password.</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;status&quot;: 401,</td>
</tr>
<tr>
<td></td>
<td>&quot;message&quot;: &quot;Invalid credentials: Get User failed&quot;</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
<tr>
<td>Require REST API Access</td>
<td>◊</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;status&quot;: 401,</td>
</tr>
<tr>
<td></td>
<td>&quot;message&quot;: &quot;User does not have API permissions for this method&quot;</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
<tr>
<td>Missing feature</td>
<td>◊</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;status&quot;: 401,</td>
</tr>
<tr>
<td></td>
<td>&quot;message&quot;: &quot;User does not have API permissions for this method&quot;</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
</tbody>
</table>
GET /nixleRegionIds/{organizationId}

Description
Retrieve city/town, county, or ZIP code within my jurisdiction.

Return type
[collection]

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization.</td>
</tr>
</tbody>
</table>

Response

<table>
<thead>
<tr>
<th>HTTP Status</th>
<th>Response Body</th>
</tr>
</thead>
<tbody>
<tr>
<td>200 OK</td>
<td>Get Nixle regionIDs successfully:</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
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<tr>
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<td>}</td>
</tr>
<tr>
<td>HTTP Status</td>
<td>Response Body</td>
</tr>
<tr>
<td>----------------------</td>
<td>-------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>401 Unauthorized</td>
<td>◊ incorrect User ID or Password.</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;status&quot;: 401,</td>
</tr>
<tr>
<td></td>
<td>&quot;message&quot;: &quot;Invalid credentials: Get User failed&quot;</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
<tr>
<td></td>
<td>◊ Require REST API Access.</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;status&quot;: 401,</td>
</tr>
<tr>
<td></td>
<td>&quot;message&quot;: &quot;User does not have API permissions for this method&quot;</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
<tr>
<td></td>
<td>◊ Missing feature:</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;status&quot;: 401,</td>
</tr>
<tr>
<td></td>
<td>&quot;message&quot;: &quot;User does not have API permissions for this method&quot;</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
</tbody>
</table>
Notification Categories

Notification categories are grouping constructs used for notification templates.

GET /notificationCategories/{organizationId}

**Description**

Retrieve all notificationCategories for an organization.

**Return type**

collection of notificationCategories

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization containing the notificationCategories.</td>
</tr>
<tr>
<td>launchPolicyId</td>
<td>long</td>
<td>y</td>
<td>The page number of notificationCategories to return.</td>
</tr>
</tbody>
</table>
Example Response

```json
{
  "message": "OK",
  "page": {
    "pageSize": 10,
    "start": 0,
    "data": [
      {
        "createdName": "Ezra Talle",
        "accountId": 3928472910,
        "status": "A",
        "resourceBundleId": 0,
        "organizationId": 8800387991360,
        "id": 47059527165542,
        "name": "Natural Disasters",
        "createdId": 444206992589678,
        "lastModifiedId": 444206992589678,
        "lastModifiedDate": 1504021781015,
        "createdDate": 1504021781015,
        "lastModifiedName": "Ezra Talle"
      },
      {
        "createdName": "Lucy Reese",
        "accountId": 8800387990738,
        "status": "A",
        "resourceBundleId": 8800387991734,
        "organizationId": 8800387991360,
        "id": 444206992588858,
        "name": "Hospital Events",
        "createdId": 444206992589476,
        "lastModifiedId": 444206992589476,
        "lastModifiedDate": 1437836690792,
        "createdDate": 1437836690792,
        "lastModifiedName": "Lucy Reese"
      }
    ],
    "totalCount": 2,
    "totalPageCount": 1,
    "currentPageNo": 1
  }
}
```
GET /notificationCategories/{organizationId}/{categoryId}

**Description**
Retrieve a specific notificationCategory within an organization.

**Return type**
notificationCategory instance

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization containing the notificationCategories.</td>
</tr>
<tr>
<td>categoryId</td>
<td>long</td>
<td>y</td>
<td>The ID of this notificationCategory to return.</td>
</tr>
</tbody>
</table>
Example Response

```
{
   "message": "OK",
   "page": {
      "pageSize": 10,
      "start": 0,
      "data": [
         {
            "createdName": "Leslie Knope",
            "accountId": 8800387990738,
            "status": "A",
            "resourceBundleId": 8800387991734,
            "organizationId": 8800387991360,
            "id": 444206992588858,
            "name": "Emergency Notifications",
            "createdId": 444206992589476,
            "lastModifiedId": 444206992589476,
            "lastModifiedDate": 1437836690792,
            "createdDate": 1437836690792,
            "lastModifiedName": "Lesley Knope"
         }
      ],
      "totalCount": 1,
      "totalPageCount": 1,
      "currentPageNo": 1
   }
}
```

**POST /notificationCategories/{organizationId}**

**Description**

Create a new notificationCategory.

**Return type**

notificationCategory instance
Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization containing the notificationCategories.</td>
</tr>
<tr>
<td>category</td>
<td>CategoryWrapper</td>
<td>y</td>
<td>The notificationCategory object to create.</td>
</tr>
</tbody>
</table>

Example Request

'Name' is the only required field to Post a notificationCategory.

```json
{
    "name": "Natural Disasters"
}
```

Example Response

```json
{
    "message": "OK"
}
```
Notification Reports

The NotificationReports API is used to query the reports of each contact for one notification.

GET /notificationReports/{organizationId}/{notificationId}

Description

This API is used to query the reports of each contact within certain notifications.

Return type

[Collection Results] of [NotificationReportLog]

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization containing the notification reports.</td>
</tr>
<tr>
<td>notificationId</td>
<td>long</td>
<td>y</td>
<td>The ID of this notification containing the notification reports.</td>
</tr>
<tr>
<td>contactStatus</td>
<td>string</td>
<td>n</td>
<td>Filter notification by contact status. Options: &quot;CONFIRMED&quot;, &quot;CONFIRMEDLATE&quot;, &quot;NOTCONFIRMED&quot;, &quot;UNREACHABLE&quot;; if left empty, then will return all records for this notification.</td>
</tr>
<tr>
<td>sinceDate</td>
<td>query</td>
<td>n</td>
<td>Retrieve data modified since that date time, like '1526986170000&quot;.</td>
</tr>
<tr>
<td>queryType</td>
<td>string</td>
<td>y</td>
<td>The queryType. Options: &quot;pageQuery&quot; or &quot;scroll&quot; default value is &quot;pageQuery&quot;.</td>
</tr>
<tr>
<td>scrollId</td>
<td>string</td>
<td>n</td>
<td>If queryType is set to &quot;scroll&quot;, then we will return a &quot;scrollId&quot; in each response. The user will use the scrollId from the previous response to get the next batch of results until there is no &quot;scrollId&quot; in the response.</td>
</tr>
<tr>
<td>pageNumber</td>
<td>int</td>
<td>y</td>
<td>The page number of the notification reports to return. If queryType is set to &quot;pageQuery&quot;, client needs to specify a page number in the request.</td>
</tr>
</tbody>
</table>
NOTE: queryType and scrollId are added in version 6.5 due to the page query limitation in Elasticsearch 2.x.

Before Elasticsearch 2.x, only "pageQuery" was supported and the user could get all records by using the "pageQuery" option. After upgrading to Elasticsearch 2.x, the user can only get 10,000 records by using the "pageQuery" option; whereby the "scroll" option can be used to get all records.

Keep in mind when using "scroll" that the report has about a 5-minute delay. It is always preferred to use "pageQuery" if you want to get the report earlier.

Example Response

```json
{
  "message": "OK",
  "page": {
    "pageSize": 100,
    "start": 0,
    "data": [ {
      "id": 0,
      "notificationId": 444206992602535,
      "contactId": 444206992589477,
      "result": "Delivered - To Voicemail",
      "attemptTime": 1504188705140,
      "firstAttemptTime": 1504188705140,
      "fullName": "Lauren Smith",
      "firstName": "Lauren",
      "lastName": "Smith",
      "attempt": 0,
      "externalId": "26",
      "createdId": 0,
      "callResultByPaths": [ {
        "journalId": 0,
        "attemptId": "59a81920225f6f50e67badce",
        "attemptOrder": 1,
        "attemptTime": 1504188705140,
        "waitTime": 0,
        "countryCode": "US",
        "cycleSeq": 1,
        "path": "text",
        "pathText": "+142244423030",
        "callResult": "Sent",
        "firstName": "Lauren",
        "lastName": "Smith",
        "confirmed": false
      }]
    }
  }
}
```


```json
{
    "journalId": 0,
    "attemptId": "59a81920225f6f50e67badcf",
    "attemptOrder": 2,
    "attemptTime": 1504188707049,
    "waitTime": 0,
    "countryCode": "US",
    "cycleSeq": 1,
    "path": "Cell Phone",
    "pathText": "+14254636800",
    "callResult": "Delivered - To Voicemail",
    "firstName": "Lauren",
    "lastName": "Smith",
    "confirmed": false
}
```
Notification Templates

A notification template that can be reused in notifications or launch policies.

**NOTE:** To launch a template, see `POST /notifications/{organizationId}` on page 141.

**GET /notificationTemplates/{organizationId}**

**Description**

Return a paged set of notificationTemplates within the organization.

**Return type**

[collection] of [notificationTemplates]

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization containing the notificationTemplates.</td>
</tr>
<tr>
<td>queryValue</td>
<td>string</td>
<td>n</td>
<td>Filter templates by message title or category name.</td>
</tr>
<tr>
<td>pageNumber</td>
<td>int</td>
<td>y</td>
<td>The page of notificationTemplates to return.</td>
</tr>
</tbody>
</table>
GET /notificationTemplates/{organizationId}/
{notificationTemplateId}

**Description**
Retrieve a specific notificationTemplate within an organization.

**Return type**
[notificationTemplate] instance

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization containing the notificationTemplate.</td>
</tr>
<tr>
<td>notificationTemplateId</td>
<td>long</td>
<td>y</td>
<td>The ID of the notificationTemplate to return.</td>
</tr>
</tbody>
</table>

**Example Response**

```json
{
  "message": "OK",
  "page": {
    "pageSize": 10,
    "start": 0,
    "data": [
      {
        "createdName": "Jeff Barras",
        "accountId": 8800387990738,
        "broadcastContacts": {
          "contactIds": [444206992588867],
          "contactSearchType": "AllOr",
          "sequenceGroupEnabled": false,
          "defaultSeqGroupQuota": 1,
          "sequenceGroupInterval": 5
        },
        "status": "A",
        "categoryId": 444206992588858,
```

---

**REST Application Programming Interface Guide**
"resourceBundleId": 8800387991734,
"organizationId": 8800387991360,
"publicMessages": {
  "networkEffectMessage": {
    "body": "look out",
    "accountId": 8800387990738,
    "organizationId": 8800387991360,
    "sourceId": 0,
    "id": 0,
    "networkEffectSetting": {
      "createdName": "Deb Hughes",
      "publishCategories": [
        {
          "accountId": 0,
          "resourceBundleId": 0,
          "organizationId": 0,
          "id": 1,
          "name": "City/State Government",
          "seq": 1,
          "createdId": 0,
          "lastModifiedId": 0
        }
      ],
      "displayLogo": false,
      "accountId": 0,
      "status": "A",
      "resourceBundleId": 233109349990401,
      "allPublishCategories": false,
      "organizationId": 8800387991360,
      "allSubscribeAddresses": false,
      "id": 8800387990496,
      "category": {
        "accountId": 0,
        "resourceBundleId": 0,
        "organizationId": 0,
        "id": 1,
        "name": "City/State Government",
        "seq": 1,
        "createdId": 0,
        "lastModifiedId": 0
      },
      "nickName": "Dev",
      "lastModifiedDate": 1486998706977,
      "lastModifiedId": 88003879899879,
      "createdId": 8800387990502,
      "allSubscribeCategories": false,
      "createdDate": 1403258037410,
      "lastModifiedName": "Jeff Barros"
    }
  }
}
"title": "ITA WARNING",
"sent": false,
"trainingMode": false,
"createdDate": 1488907772131,
"createdName": "Reece Battle",
"status": "A",
"resourceBundleId": 8800387991734,
"lastModifiedDate": 1488907772131,
"createdId": 444206992589542,
"lastModifiedId": 444206992589542,
"receiveOrgId": 0,
"lastModifiedName": "Reece Battle"
}
},
"type": "Standard",
"id": 444206992589464,
"message": {
  "accountId": 0,
  "organizationId": 0,
  "contentType": "Text",
  "id": 0,
  "title": "ITA WARNING",
  "textMessage": "Response team B is ",
  "conferenceBridgeId": 0,
  "category": 444206992588858,
  "resourceBundleId": 0,
  "category": {
    "createdName": "Leslie Lemon",
    "accountId": 8800387990738,
    "status": "A",
    "resourceBundleId": 8800387991734,
    "organizationId": 8800387991360,
    "id": 444206992588858,
    "name": "test",
    "createdId": 444206992589476,
    "lastModifiedId": 444206992589476,
    "lastModifiedDate": 1437836690792,
    "createdDate": 1437836690792,
    "lastModifiedName": "Leslie Lemon"
  },
  "lastModifiedId": 0,
  "createdId": 0
},
"broadcastSettings": {
  "voiceMailOption": "MESSAGE_ONLY",
  "throttleDefaultAmount": 0,
  "throttle": false,
"mobileSettings": { 
  "requestComment": false, 
  "requestImage": false, 
  "requestLocation": false, 
  "allowShare": false, 
  "requireConfirm": false, 
  "pushAlertEnabled": false 
},
"requirePinForMessage": false, 
"deliveryMethodInterval": 0, 
"bookConference": false, 
"cycleInterval": 0, 
"duration": 1,
"senderCallerInfos": [ 
  { 
    "countryName": "United States", 
    "accountId": 0, 
    "countryCode": "US", 
    "resourceBundleId": 0, 
    "organizationId": 0, 
    "id": 0, 
    "callerId": "7742109934", 
    "isDefault": true, 
    "createdId": 0, 
    "lastModifiedId": 0 
  } 
],
"contactCycles": 1, 
"language": "en_US", 
"recipientApp": false, 
"senderEmail": "notification@mail.com", 
"confirm": false, 
"deliveryPathOrder": "Contact" 
},
"category": { 
  "createdName": "Jeff Barras", 
  "accountId": 8800387990738, 
  "status": "A", 
  "resourceBundleId": 8800387991734, 
  "organizationId": 8800387991360, 
  "id": 444206992588858, 
  "name": "ITA WARNING", 
  "createdId": 444206992589476, 
  "lastModifiedId": 444206992589476, 
  "lastModifiedDate": 1437836690792, 
  "createdDate": 1437836690792, 
  "lastModifiedName": "Jeff Barras" 
}
POST /notificationTemplates/{organizationId}

Description
Create a new notificationTemplate.

Return type
notificationTemplate instance

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization from which to initiate the notificationTemplate.</td>
</tr>
<tr>
<td>notificationTemplate</td>
<td>BroadcastTemplateWrapper</td>
<td>y</td>
<td>The NotificationTemplate object to create.</td>
</tr>
</tbody>
</table>

Example Request
These are the REQUIRED fields for a new Notification Template. The output is the notificationTemplateId.
Example Response

{
  "message": "OK",
  "id": //notificationTemplate ID of the requested template
}

PUT /notificationTemplates/{organizationId}/
{notificationTemplateId}

Description

Return a paged set of notificationTemplates within the organization.

Return type

notificationTemplate instance
DELETE /notificationTemplates/{organizationId}/ {notificationTemplateId}

### Description

Delete the specified notificationTemplate from the organization.

### Return type

notificationTemplate instance

### Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization containing the notificationTemplates.</td>
</tr>
<tr>
<td>queryValue</td>
<td>string</td>
<td>n</td>
<td>Filter templates by message title or category name.</td>
</tr>
<tr>
<td>pageNumber</td>
<td>int</td>
<td>y</td>
<td>The page number of notificationTemplates to return.</td>
</tr>
<tr>
<td>notificationTemplate</td>
<td>BroadcastTemplateWrapper</td>
<td>y</td>
<td>The NotificationTemplate object to create.</td>
</tr>
</tbody>
</table>
Notification Events

A notification event is a construct that can be used to group similar notifications. The GET /notifications API allows for searching for notification results based on notificationEventId. This way, you can filter the set of notifications returned.

GET /notificationEvents/{organizationId}

Description

Retrieve all notification events for an organization.

Return type

collection of notificationEvents

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization containing the notificationEvents.</td>
</tr>
</tbody>
</table>
Example Response

{
  "message": "OK",
  "page": {
    "pageSize": 3,
    "start": 1,
    "data": [
    {
      "createdName": "Delaney Lange",
      "accountId": 0,
      "status": "A",
      "resourceBundleId": 0,
      "organizationId": 8800387991360,
      "id": 444206992589103,
      "createdId": 444206992589584,
      "lastModifiedId": 444206992589584,
      "lastModifiedDate": 1460441126621,
      "createdDate": 1460441126621,
      "lastModifiedName": "Delaney Lange"
    },
    {
      "createdName": "Regan Lowe",
      "accountId": 0,
      "status": "A",
      "resourceBundleId": 0,
      "organizationId": 8800387991360,
      "id": 444206992589100,
      "name": "Fall Release",
      "createdId": 444206992589584,
      "lastModifiedId": 444206992589584,
      "lastModifiedDate": 1460031059161,
      "createdDate": 1460031059161,
      "lastModifiedName": "Regan Lowe"
    },
    {
      "createdName": "Arnold Palmer",
      "accountId": 0,
      "status": "A",
      "resourceBundleId": 0,
      "organizationId": 8800387991360,
      "id": 444206992589075,
      "name": "Office Closure",
      "createdId": 444206992589546,
      "lastModifiedId": 444206992589546,
      "lastModifiedDate": 1456707102055,
      "createdDate": 1456707102055,
      "lastModifiedName": "Arnold Palmer"
    }
    ]
  }
}
GET /notificationEvents/{organizationId}/{notificationEventId}

**Description**

Retrieve a specific notification event.

**Return type**

notificationEvent instance

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization in which to find the notificationEvent.</td>
</tr>
<tr>
<td>notificationEventId</td>
<td>long</td>
<td>y</td>
<td>The ID of the notificationEvent.</td>
</tr>
</tbody>
</table>
Example Response

```json
{
    "message": "OK",
    "result": {
        "createdName": "Ron Evans",
        "accountId": 0,
        "status": "A",
        "resourceBundleId": 0,
        "organizationId": 8800387991360,
        "id": 444206992589075,
        "name": "Hurricane Warning",
        "createdId": 444206992589546,
        "lastModifiedId": 444206992589546,
        "lastModifiedDate": 1456707102055,
        "createdDate": 1456707102055,
        "lastModifiedName": "Ron Evans"
    }
}
```

**POST /notificationEvents/{organizationId}**

**Description**

Create a new notificationEvent within an organization.

**Return type**

notificationEvent instance

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization containing the notificationEvents.</td>
</tr>
<tr>
<td>notificationEvent</td>
<td>NotificationEventWrap</td>
<td>y</td>
<td>The JSON object describing the new notificationEvent.</td>
</tr>
</tbody>
</table>
Example Request

The only required field in this POST is “name” for the Notification Event.

{
   "name": "Flood Warning"
}
Notification Messages

This API is used to confirm the Notification Messages.

PUT /notificationMessages/{organizationId}/{notificationId}/message

Description

Confirm a notification's message.

Return type

notificationMessages instance

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization from which to initiate the notification.</td>
</tr>
<tr>
<td>notificationId</td>
<td>long</td>
<td>y</td>
<td>The notificationID of the confirmation message.</td>
</tr>
<tr>
<td>message</td>
<td>MessageWrapper</td>
<td>y</td>
<td>A message object defining the state of the message.</td>
</tr>
</tbody>
</table>

Example Request

```
{
   "operationType": "confirmed"
}
```
Audio

The Audio API is unique in that it expects a binary-formatted upload as the POST body. This API is used to upload audio resources to use within the context of voice paths.

GET /audio/{organizationId}/{audioId}

Description
Retrieve a specific audio.

Return type
audio instance

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization in which to find the audio.</td>
</tr>
<tr>
<td>audioId</td>
<td>string</td>
<td>n</td>
<td>The ID of the audio.</td>
</tr>
<tr>
<td>returnType</td>
<td>string</td>
<td>n</td>
<td>Return the raw audio file or the record associated with that file.</td>
</tr>
<tr>
<td>HttpServletResponse</td>
<td>HttpServletResponse</td>
<td>n</td>
<td>File upload body.</td>
</tr>
</tbody>
</table>
POST /audio/{organizationId}

Description

Load and store an audio file to your Everbridge Organization. The response to this operation is the unique audioKey for the file.

This key can be used as the value of notification message.audioKey objects to indicate that this audio should be used as the message for voice contact paths.

Input type

Multipart MIME-Encoded POST data containing the audio file to use for notifications. Testing this method requires the use of command-line tools such as curl to properly format the POST body.

Assuming there is a wav file called upload in the current directory, an example of the necessary curl syntax would be something like this:

```
curl --header "Authorization: Basic bW9iaaE6bw9iMME6MTE" -F "file=@upload.wav" https://api.everbridge.net/rest/audio/8800387989534
```

Return type

audio instance

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization containing the contact filters.</td>
</tr>
<tr>
<td>fileRequest</td>
<td>MultipartHttpServerRequest</td>
<td>y</td>
<td>Multipart file upload body. Note that this is not possible to test using Swagger; command-line tools must be used.</td>
</tr>
</tbody>
</table>
Attachments

To send a standard notification with an attachment first retrieve the fileId field from the attachmentFiles array.

The fileId is generated as a response to POST /attachments

/attachments POST example:

The request body should be a base64 encoded binary object that is the file you wish to attach. For reference or testing, here's a cURL command you can use. The filename parameter assumes it's in the current working directory.

curl --insecure --header "Authorization: Basic {credentials}" -F "file=@{filename}" \\
https://api.everbridge.net/rest/audio/{organizationId}

That CURL command will return a response similar to this:

```json
{
    "message" : "OK",
    "fileId" : "540dfd58e4b04f1e4f25a50d",
    "fileName" : "Attachment.txt",
    "size" : 19486,
    "image" : false
}
```

The fileId field is what you want to use in the notification JSON below.
GET /attachments/{organizationId}/{fileId}

Description
Return a specific attachment.

Return type
attachment instance

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization containing the attachment.</td>
</tr>
</tbody>
</table>
POST /attachments/{organizationId}

**Description**

Upload an attachment and return the unique field assigned to that resource. This key can be used as the elements of a notification message.attachmentFiles object.

**Return type**

attachmentUploadResult instance

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Data Type</th>
<th>Required?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>string</td>
<td>y</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>long</td>
<td>y</td>
<td>The ID of the organization containing the attachment.</td>
</tr>
<tr>
<td>fileRequest</td>
<td>MultipartHttpServletRequest</td>
<td>y</td>
<td>Multipart file upload body.</td>
</tr>
</tbody>
</table>
Incident Management

This provides information about the Incident Management methods and operations you can use to launch and manage the Everbridge Suite.

The following topics are covered:

- **Introduction**
  - Common Properties
- **Incidents**
  - Incidents Data Model
  - Incidents Data Model (message-attribute)
  - Optional Incidents Data Model
  - Minimum Incidents Data Model
  - GET /incidents/{organizationId}
  - POST /incidents/{organizationId}
  - GET /incidents/{organizationId}/[incidentId]
  - PUT /incidents/{organizationId}/[incidentId]
- **Incident Preview**
- **Incident Variables**
  - Incident Variables Data Model
  - GET /incidentVariableItems/{organizationId}
  - GET /incidentVariableItems/{organizationId}/[searchOption]
• GET /incidentVariableItems/{organizationId}/{templateId}/{phase}

◊ Incident Templates
• Incident Templates Data Model
• GET /incidentTemplates/{organizationId}
• GET /incidentTemplates/{organizationId}/{incidentTemplateId}

◊ Incident Notifications
• GET /incidentNotifications/{organizationId}/{incidentId}
• GET /incidentNotifications/{organizationId}/{incidentId}/notification
• GET /incidentNotifications/{organizationId}/scenario

◊ Incident Journals
• IncidentJournal Data Model (GET)
• IncidentJournal Data Model (POST)
• GET /incidentJournals/{organizationId}/{incidentId}
• POST /incidentJournals/{organizationId}/{incidentId}

◊ Incident Scenarios
• Incident Scenario Data Model
• GET /incidentScenarios/{organizationId}
• GET /incidentScenarios/{organizationId}/{queryType}
• POST /incidentScenarios/{organizationId}
• PUT /incidentScenarios/{organizationId}/{incidentId}
Introduction

Within a given data type, the format of the data returned in a GET is identical to the format expected in the body of a PUT or POST.

TIP: Given this equivalence of input and output format, the easiest way to build PUTs and POSTs is often to perform a GET from the same collection and tweak the returned JSON to create a new or updated object.

Common Properties

Most objects share some or all of these common properties that provide bookkeeping information about the object.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>createdId</td>
<td>number</td>
<td>The instanceId of the user who created this object.</td>
</tr>
<tr>
<td>createdName</td>
<td>text</td>
<td>The full name of the user who created this object.</td>
</tr>
<tr>
<td>createdDate</td>
<td>number</td>
<td>The GMT Unix epoch time this object was created.</td>
</tr>
<tr>
<td>lastModifiedId</td>
<td>number</td>
<td>The instanceId of the user who last modified this object.</td>
</tr>
<tr>
<td>lastModifiedName</td>
<td>text</td>
<td>The full name of the user who last modified this object.</td>
</tr>
<tr>
<td>lastModifiedDate</td>
<td>number</td>
<td>The GMT Unix epoch time this object was last modified.</td>
</tr>
<tr>
<td>id</td>
<td>number</td>
<td>The instanceId of this object.</td>
</tr>
<tr>
<td>organizationId</td>
<td>number</td>
<td>The organizationId of this object.</td>
</tr>
<tr>
<td>status</td>
<td>character</td>
<td>The status of the object. All records returned by the API should have a status of 'A' indicating that the record is active and has not been deleted. (Deleted records of any type are invisible to the API.)</td>
</tr>
</tbody>
</table>
Incidents

The /incidents collection is used to launch, update, close incidents and to query the high-level information of incidents.

NOTE: For the “broadcastSettings” node:

1 Conference Notifications:
   "confirm" attribute
   The "confirm" attribute is set to "true" and disabled when a user sends a notification from the UI. This ensures contacts who receive the notification via a text path or retrieve the conference bridge information from their voicemail can confirm receipt of the notification before or after joining the conference bridge. If "type" is set to "Conference" and "confirm" is omitted, null, or set to an invalid value in the API request, then the Everbridge application will default "confirm" to "false". This does not prevent message recipients from connecting to the conference bridge, but the application will not provide instructions for how a message receipt can confirm receipt of the notification. Best practice is to include the "confirm" attribute and set the value to "true" until the API logic is enhanced to ignore the "confirm" attribute value for Conference notifications.
   "voiceMailOption" attribute
   The "voiceMailOption" attribute can be used to control how the Everbridge application interacts with a contact's voicemail system. Set the "voiceMailOption" to "MESSAGE_WITH_CONFIRMATION" in combination with "confirm" set to "true" to leave the instructions for connecting to the conference bridge on a contact's voicemail.

2 Polling Notification:
   "confirm" attribute
   The selection of a polling response by a contact is reflected as a confirmation of the notification on all reports. The SMS Callback attribute in the notification Settings is set by a user before sending a notification. If the message sender wants recipients to see the full list of polling responses in the SMS message, then the message sender does not select the SMS Callback attribute; this enables recipients to reply to the SMS message with any of the responses listed in the message. However, if the message sender wants recipients to call the message board to listen to the message and select their polling response, then the message sender selects the SMS Callback attribute before sending the notification. Best practice is to set the "confirm" attribute to "false" for Polling notifications to display the polling responses in the SMS message.
   "voiceMailOption" attribute
   The "voiceMailOption" attribute can be used to control how the Everbridge application interacts with a contact's voicemail system. Set the "voiceMailOption" to "MESSAGE_WITH_CONFIRMATION" to leave the instructions for how a contact can listen to the polling notification and select the desired response.
   If the organization has enabled "Allow Separate Email Content" from organization settings, attribute "rtfContent", which is in the “message” node, can be used to deliver HTML format content to Email paths.
NOTE: (Continued)

1. Response Subscription:
   - "responseSetting" node
   - "profieldId" attribute [Required String]
     The ID of the Response Subscription profile, the profiles data can be retrieved via API /profiles/ [organizationId].
   - "type" attribute [Required, String]
     The type of response subscription. The value only can be First or EVERY.
   - "pollingResponse" attribute [Optional, String]
     This attribute only works once the notification type is "Polling" or "Quota". The user can specify this attribute to subscribe to a specific polling/quota response or ignore this attribute to subscribe all responses.
     If the pollingResponse attribute is specified, the value must be from one of the polling items.

2. Hide list of variables
   - "ignoreVariable" attribute [optional, bool]
     - phaseTemplate" >> "ignoreVariable" : true/false
     This attribute is designed to hide the Variables list in the message; it is the equivalent of selecting the “Hide list of variables” option in the Manager Portal incident workflow if the value is set to true.
     - If this attribute is not included in the JSON when posting an incident, the value will be loaded from the template.

Incidents Data Model

The sample JSON below is for a Standard notification that contains only text. See later in the document for how to structure JSON for Polling or Conference notifications.
incident.js
{
  "name": "System Outage - Device 1",
  "incidentAction": "Launch",
  "incidentPhases": [
  {
    "name": "New",
    "phaseTemplate": {
      "templateId": 4402341479635,
      "templateName": "System Outage",
      "ignoreVariable": true,
      "broadcastTemplate": {
        "priority": "Priority",
        "type": "Standard",
        "message": {
          "contentType": "Text",
          "rtfContent": "<html><body><img src='icon.gif'/><p style='color:red'>This is an emergency notification!</p>.....</body></html>"
        }
      }
    }
  },
  "broadcastContacts": {
    "contactIds": [4402341478985, 4402341479113],
    "groupIds": [],
    "filterIds": [],
    "excludedContactIds": [],
    "searchShapes": [
    {
      "isInclude": true,
      "shape": {
        "points": [
        {"x": -115.78770446777017,"y": 42.92485016516465},
        {"x": -112.97520446777466,"y": 36.721928924067846},
        {"x": -102.42832946777354,"y": 38.5316181805233},
        {"x": -104.36192321777268,"y": 43.30978575849282},
        {"x": -115.78770446777017,"y": 42.92485016516465}
      ],
      "searchShapeTypes": ["STATIC","DYNAMIC","EXPECTED"]
    }
    },
    "enableSendToSubscribers": true
  },
  "confirmCountNeeded": 5,
  "escalationLevels": [
  {
    "index": 2,
    "escalationName": "Escalation Level 2",
    "escalationCondition": {
      "waitTime": 15,
      "timeUnit": "MINUTES"
    }
  }
  ],
}
"broadcastContacts" : {
  "contactIds": [884011643708134],
  "groupIds": [],
  "filterIds": []
  "enableSendToSubscribers": true
}
}
,"broadcastSettings": {
  "senderEmail": "monitor@everbridge.com",
  "enableSecureNotification": false,
  "mobileSettings": {
    "requestLocation": false,
    "requestImage": false,
    "requestComment": false,
    "allowShare": false
  },
  "responseSetting":{
    "profileId":"54fd6318e4b0c94ad0bab03a",
    "type":"EVERY"
  },
  "throttleDefaultAmount": 0,
  "throttle": false,
  "duration": 1,
  "contactCycles": 1,
  "cycleInterval": 0,
  "deliveryMethodInterval": 0,
  "confirm": false,
  "smsCallBack": false,
  "language": "en_US",
  "voiceMailOption": "NO_MESSAGE",
  "senderCallerInfos": [{
    "countryName": "United States",
    "countryCode": "US",
    "isDefault": true,
    "callerId": "7816781230"
  }],
  "deliveryPathOrder": "Custom",
  "deliverPaths": [{
    "id": 4402341480077,
    "pathId": 241901148045316
  },
  {"id": 4402341480078,
  "pathId": 241901148045321
  }]
}
Chapter 4 – Incident Management

"formTemplate": {
  "subject": "New Alert - System Outage",
  "preMessage": "Monitor has detected failed condition on Device 1",
  "postMessage": "Contact Help Desk if you have questions.",
  "formVariableItems": [
    {
      "val": ["P1"],
      "variableId": 4402341478656,
      "prefixName": ",",
      "variableName": "Severity"
    },
    {
      "val": ["Device 1"],
      "variableId": 4402341479117,
      "prefixName": ",",
      "variableName": "System"
    },
    {
      "val": ["07-04-2013 at 1:00"],
      "variableId": 4402341478658,
      "prefixName": ",",
      "variableName": "Incident Start"
    },
    {
      "val": ["07-04-2013 at 2:00"],
      "variableId": 4402341479114,
      "prefixName": ",",
      "variableName": "Next Update"
    },
    {
      "val": ["On demand video customers"],
      "variableId": 4402341479115,
      "prefixName": ",",
      "variableName": "Business Impact"
    }
  ]
}
Incident with exercise mode on

```json
{
  "message": "OK",
  "result": {
    "accountId": 448605039100272,
    "organizationId": 448605039100539,
    "id": 293024143823787,
    "incidentStatus": "Open",
    "name": "[DRILL]mode",
    "createdDate": 1568706158398,
    "hasJournal": false,
    "incidentPhases": [
      {
        "createdName": "han",
        "incidentId": 293024143823787,
        "accountId": 448605039100272,
        "status": "A",
        "resourceBundleId": 448605039100755,
        "organizationId": 448605039100539,
        "id": 10011,
        "notificationId": 293024143866559,
        "phaseTemplate": {
          "templateId": 293024143873850,
          "templateName": "mode",
          "name": "New | Updated | Closed",
          "messageFlag": 1,
          "contactsFlag": 1,
          "settingsFlag": 1,
          "publishOptionsFlag": {
            "network": 1,
            "alertUs": 1,
            "webPosting": 1,
            "socialMedia": 1,
            "nixleChannel": 1,
            "abb": 1,
            "memberPortal": 1,
            "ipawsCap": 1
          }
        },
        "phaseDefinitions": [
          {
            "id": 1001,
            "status": "A",
            "isDefault": false,
            "name": "New",
            "seq": 0
          }
        ]
      }
    ]
  }
}```

{
  "id": 1002,
  "status": "A",
  "isDefault": false,
  "name": "Updated",
  "seq": 0
},
{
  "id": 1003,
  "status": "A",
  "isDefault": false,
  "name": "Closed",
  "seq": 0
}
],
"formTemplate": {
  "subject": "[DRILL]mode",
  "preMessage": "[DRILL] my message body",
  "formVariableItems": [
    {
      "val": [
        "15:42:38"
      ],
      "variableName": "Current Time",
      "isRequired": false,
      "seq": 1,
      "variableId": 10003
    }
  ]
},
"ignoreVariable": false,
"evaluateAll": false,
"incidentNotificationPropertyBag": {
  "enableExerciseMode": "true",
  "exerciseModeContent": "[DRILL]"
}
},
"name": "New",
"lastModifiedId": 1568706158442,
"lastModifiedDate": 1568706158442,
"createdId": 281616710636928,
"createdDate": 1568706158442,
"lastModifiedName": "han",
"phaseDefinition": {
  "phaseNodeType": "Begin",
  "id": 1001,
  "incidentStatus": "Open",
  "status": "A"
*broadcastSettings. deliveryPathOrder*: The value of deliveryPathOrder can be Organization, Contact, or Custom. It is "Contact" by default for ignorable case.

If it is "Custom", the path order will follow the sequence in the deliverPaths list (the next attribute; for example, the client can move a specific path ahead or behind in the list).
**Escalation Levels support in the API:**

The API can use the escalation level setting only if the original template enabled the escalation. The available JSON field in the REST API is as follows:

<table>
<thead>
<tr>
<th>JSON Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>broadcastTemplate.confirmCountNeeded</td>
<td>The number of confirmations to avoid triggering the escalation level notifications.</td>
</tr>
<tr>
<td>broadcastTemplate.escalationLevels.index</td>
<td>Escalation level index, starting from the number ONE.</td>
</tr>
</tbody>
</table>
| broadcastTemplate.escalationLevels.escalationName | The time interval used to count the confirmation. Integer value.         
  For MINUTES, the validate data range is 1 to 1440. For HOURS, the range is 1 to 24. |
| broadcastTemplate.escalationLevels.escalationCondition.waitTime | The time interval used to count the confirmation. Integer value.         
  For MINUTES, the validate data range is 1 to 1440. For HOURS, the range is 1 to 24. |
| broadcastTemplate.escalationLevels.escalationCondition.timeUnit | The available time unit is MINUTES or HOURS.                           |
| broadcastTemplate.escalationLevels.broadcastContacts | The contact used for the escalation notification. Its format is the same as the broadcastTemplate. |

The escalation levels data from the REST API will merge with the template’s escalation definition.

For example, if the template defines levels 1,2 and 3, the REST API passes in levels 2 and 4. Then the data from the REST API in level 2 will overwrite the level 2 data in the template and the level 4 data will be added for this incident launch.

The following example data demonstrates the new added fields for supporting escalation levels.


{
  "name": "ra-821 on Dev1 seqGroupin Level 1 and append escalation level 2",
  "incidentAction": "Launch",
  "incidentPhases": [
    {
      "phaseTemplate": {
        "templateId": 884011643699224,
        "phaseDefinitions": [
          {
            "id": 1001
          }
        ],
      "broadcastTemplate": {
        "broadcastContacts": {
          "groupIds": [
            884054593372187, 884054593372191
          ]
        },
        "confirmCountNeeded": 2,
        "escalationLevels": [
          {
            "index": 1,
            "escalationName": "E K A",
            "escalationCondition": {
              "waitTime": 1,
              "timeUnit": "MINUTES"
            },
            "broadcastContacts": {
              "contactIds": [],
              "groupId": [884054593372191],
              "filterIds": []
            }
          },
          {
            "index": 2,
            "escalationName": "E K 2",
            "escalationCondition": {
              "waitTime": 1,
              "timeUnit": "MINUTES"
            },
            "broadcastContacts": {
              "contactIds": [],
              "groupId": [884054593372189],
              "filterIds": []
            }
          }
        ]
      }
    }
  ]
}
Incidents Data Model (message-attribute)

Notes for "message" attribute:

The "message" attribute is required under the following conditions:

1. Notification contains a file attachment; see "message" attribute in sample JSON directly below.

2. Notification contains an audio file

3. Notification is a polling notification; see "message" attribute in sample JSON directly below and in section titled "Minimum Incidents Data Model"

4. Notification is a polling notification with quotas for polling responses

5. Notification is a conference notification; see "message" attribute in sample JSON directly below and in section titled "Minimum Incidents Data Model"
incident_message_attribute.js
{
    "name": "System Outage - Device 1",
    "incidentAction": "Launch", /* Valid values are Launch, LaunchThenClose, Update, UpdateThenClose, CloseWithNotification and CloseWithoutNotification */
    "incidentPhases": [{
        "name": "New",
        "phaseTemplate": {
            "templateId": 4402341479635,
            "templateName": "System Outage",
            "broadcastTemplate": {
                "priority": "Priority", /* Valid values are Priority or NonPriority */
                "type": "Standard", /* Valid values are Standard, Polling, Quota or Conference */
                "message": {
                    "contentType": "Text",
                    /* begin for attachment(s) attributes */
                    "attachmentFiles": [{
                        "fileName": "log.zip",
                        "fileId": "53c79c38e4b0782a5f2e7640"
                    }],
                    "fileName": "1.json",
                    "fileId": "53c79c39e4b0782a5f2e7641"
                }
            }/* end for attachments attributes */
            /* begin for Polling type notification attributes */
            "questionaire": {
                "answers": [{
                    "name": "I'm available"
                },
                {"name": "I'm not available"}
            }
        }/* end for Polling type notification attributes */
    }/* end for attachments attributes */
    /* begin for Polling type notification attributes */
    }/* end for Polling type notification attributes */
/* begin for Quota type notification attributes */
"questionaire": {
  "answers": [{
    "name": "I'm available",
    "quotaNum": 10
  },
  {
    "name": "I'm not available",
    "quotaNum": 5
  }]
}
/* end for Quota type notification attributes */

/* begin for Conference type notification attributes */
"conferenceBridgeId": 4402341478553
/* end for Conference type notification attributes */

"broadcastContacts": {
  "contactIds": [4402341478985, 4402341479113],
  "groupIds": [],
  "filterIds": [],
  "excludedContactIds": []
},
"broadcastSettings": {
  "senderEmail": "monitor@everbridge.com",
  "mobileSettings": {
    "requestLocation": false,
    "requestImage": false,
    "requestComment": false,
    "allowShare": false
  },
  "throttIdDefaultAmount": 0,
  "throttle": false,
  "duration": 1,
  "contactCycles": 1,
  "cycleInterval": 0,
  "deliveryMethodInterval": 0,
  "confirm": false,
  "language": "en_US",
  "voiceMailOption": "NO_MESSAGE",
  "senderCallerInfos": [{
    "countryName": "United States",
    "countryCode": "US",
    "isDefault": true,
    "callerId": "7816781230"
  }],
  "deliverPaths": [{
    "id": 4402341480077,
    "pathId": 241901148045316
  }]
"formTemplate": {
  "subject": "New Alert - System Outage",
  "preMessage": "Monitor has detected failed condition on Device 1",
  "postMessage": "Contact Help Desk if you have questions.",
  "formVariableItems": [{
    "val": ["P1"],
    "variableId": 4402341478656,
    "prefixName": "",
    "variableName": "Severity"
  },
  {"val": ["Device 1"],
    "variableId": 4402341479117,
    "prefixName": "",
    "variableName": "System"
  },
  { "val": ["07-04-2013 at 1:00"],
    "variableId": 4402341478658,
    "prefixName": "",
    "variableName": "Incident Start"
  },
  { "val": ["07-04-2013 at 2:00"],
    "variableId": 4402341479114,
    "prefixName": "",
    "variableName": "Next Update"
  },
  { "val": ["Video customers"],
    "variableId": 4402341479115,
    "prefixName": "",
    "variableName": "Business Impact"
  }]
}
Optional Incidents Data Model

Optional formVariableItems

Use the "formVariableItems" node to set the value of an Information Variable in an Incident Template.

The "formVariableItems" node can be omitted under the following conditions:

◊ POST/incidents:
  • Incident Template does not contain Information Variables
  • Incident Template contains only Information Variables that are flagged as not required and a value is not available
  • Incident Template contains Information Variable default values that should not be changed in a notification

◊ PUT/incidents:
  • Incident Template does not contain Information Variables
  • Incident Template contains only Information Variables that are flagged as not required and a value is not available
  • Incident Template contains Information Variable default values that should not be changed in a notification
  • Notification to be sent should use the values from the previous notification

The following sample JSON does not contain the Information Variables "System" and "Business Impact".
incident_ignorable_formVariableItems.js

```javascript
{
  "name": "System Outage - Device 1",
  "incidentAction": "Launch",
  "incidentPhases": [
    {
      "name": "New",
      "phaseTemplate": {
        "templateId": 4402341479635,
        "templateName": "System Outage",
        "broadcastTemplate": {
          "priority": "Priority",
          "type": "Standard",
          "broadcastContacts": {
            "contactIds": [4402341478985, 4402341479113],
            "groupId": [],
            "filterIds": [],
            "excludedContactIds": []
          },
          "broadcastSettings": {
            "senderEmail": "monitor@everbridge.com",
            "mobileSettings": {
              "requestLocation": false,
              "requestImage": false,
              "requestComment": false,
              "allowShare": false
            },
            "thrott1DefaultAmount": 0,
            "throttle": false,
            "duration": 1,
            "contactCycles": 1,
            "cycleInterval": 0,
            "deliveryMethodInterval": 0,
            "confirm": false,
            "language": "en_US",
            "voiceMailOption": "NO_MESSAGE",
            "senderCallerInfos": [{
              "countryName": "United States",
              "countryCode": "US",
              "isDefault": true,
              "callerId": "7816781230"
            }],
            "deliverPaths": [{
              "id": 4402341480077,
              "pathId": 241901148045316
            },
            {
              "id": 4402341480078,
              "pathId": 241901148045321
            }]
          }
        }
      }
    }
  ]
}
```
The following sample JSON omits the "formVariablesItems" node.
incident_ignorable_formVariableItems_w/o-formVariableItems.js

```javascript
{
  "name": "System Outage - Device 1",
  "incidentAction": "Launch",
  "incidentPhases": [
    {
      "name": "New",
      "phaseTemplate": {
        "templateId": 4402341479635,
        "templateName": "System Outage",
        "broadcastTemplate": {
          "priority": "Priority",
          "type": "Standard",
          "broadcastContacts": {
            "contactIds": [4402341478985,
                            4402341479113],
            "groupIds": [],
            "filterIds": [],
            "excludedContactIds": []
          },
          "broadcastSettings": {
            "senderEmail": "monitor@everbridge.com",
            "mobileSettings": {
              "requestLocation": false,
              "requestImage": false,
              "requestComment": false,
              "allowShare": false
            },
            "throttle": 0,
            "duration": 1,
            "contactCycles": 1,
            "cycleInterval": 0,
            "deliveryMethodInterval": 0,
            "confirm": false,
            "language": "en_US",
            "voiceMailOption": "NO_MESSAGE",
            "senderCallerInfos": [
              {
                "countryName": "United States",
                "countryCode": "US",
                "isDefault": true,
                "callerId": "7816781230"
              }
            ],
            "deliverPaths": [
              {
                "id": 4402341480077,
                "pathId": 241901148045316
              },
              {
                "id": 4402341480078,
                "pathId": 241901148045321
              }
            ]
          }
        }
      }
    }
  ]
}
```
Geo shapes variable

1. The following sample json is a form of a valid geo shape variable:

```
"formVariableItems": [{
  "val": [{"y":51.02041239316152,"x":-113.06281280517578},
          {"y":45.4058806786569,"x":-115.34796905517578},
          {"y":48.52361417015914,"x":-106.73468780517578},
          {"y":51.02041239316152,"x":-113.06281280517578}],
  "Beijing Zone"],
  "variableId": 4402341478656,
  "prefixName": ",
  "variableName": "polygon"
}
}
```

2. Detail description:
   a. Polygon json form must be valid like this:

```
[{"name":"","polygon": [{"y":51.02041239316152,"x":-113.06281280517578},
                          {"y":45.4058806786569,"x":-115.34796905517578},
                          {"y":48.52361417015914,"x":-106.73468780517578},
                          {"y":51.02041239316152,"x":-113.06281280517578}]]
```
   b. There must be at least 4 points and no more than 100 points.
   c. The polygon must be closed (the first point is the same as the last point).
   d. If the geo shape variable is required, the description (Beijing Zone) cannot be empty, the shapes (polygons) cannot be empty, and there is at least one shape.
   e. The maximum length of the description (Beijing Zone) is 255 characters.
Optional broadcastSettings

Use the "broadcastSettings" node to override a specific Settings value in the Incident Template.

The "broadcastSettings" node can be omitted if the notification to be sent should use the Setting values set in the Incident Template.

The "broadcastSettings" node cannot be omitted if the Incident Template contains a Settings Condition.

The following sample JSON includes only the "senderEmail" and "deliverPaths" attributes within the "broadcastSettings" node. The application will use the Settings values from the Incident Template for all other broadcastSetting attributes.
incident_ignorable_broadcastSettings.js

```json
{
  "name": "System Outage - Device 1",
  "incidentAction": "Launch",
  "incidentPhases": [
    {
      "name": "New",
      "phaseTemplate": {
        "templateId": 4402341479635,
        "templateName": "System Outage",
        "broadcastTemplate": {
          "priority": "Priority",
          "type": "Standard",
          "broadcastContacts": {
            "contactIds": [4402341478985, 4402341479113],
            "groupId": [],
            "filterIds": [],
            "excludedContactIds": []
          },
          "broadcastSettings": {
            "senderEmail": "monitor@everbridge.com",
            "deliverPaths": [{
              "id": 4402341480077,
              "pathId": 241901148045316
            },
            {
              "id": 4402341480078,
              "pathId": 241901148045321
            }
          ]
        },
        "formTemplate": {
          "subject": "New Alert - System Outage",
          "preMessage": "Monitor has detected failed condition on Device 1",
          "postMessage": "Contact Help Desk if you have questions."
        }
      },
      "variableItems": [{
        "val": ["P1"],
        "variableId": 4402341478656,
        "prefixName": "",
        "variableName": "Severity"
      },
      {
        "val": ["07-04-2013 at 1:00"],
        "variableId": 4402341478658,
        "prefixName": "",
        "variableName": "Incident Start"
      }
    }
  ]
}
```
The following sample JSON omits the "broadcastSettings" node. The application will use the Settings values defined in the Incident Template for the notification.

```json
{
  "name": "System Outage - Device 1",
  "incidentAction": "Launch",
  "incidentPhases": [{
    "name": "New",
    "phaseTemplate": {
      "templateId": 4402341479635,
      "templateName": "System Outage",
      "broadcastTemplate": {
        "priority": "Priority",
        "type": "Standard",
        "broadcastContacts": {
          "contactIds": [4402341478985, 4402341479113],
          "groupIds": [],
          "filterIds": [],
          "excludedContactIds": []
        }
      },
      "formTemplate": {
        "subject": "New Alert - System Outage",
        "preMessage": "Monitor has detected failed condition on Device 1",
        "postMessage": "Contact Help Desk if you have questions."
      },
      "formVariableItems": [{
        "val": "P1",
        "variableId": 4402341478656,
        "prefixName": "",
        "variableName": "Severity"
      },
      {"val": "07-04-2013 at 1:00"}],
```
Optional searchShapeTypes

Use the "IncidentPhase[Index].broadcastContacts.searchShapes[index].searchShapeTypes" node to override searchShapeTypes in the Incident Template.

The "incidentPhase[Index].broadcastContacts.searchShapes[index].searchShapeTypes" node can be omitted, then it will use the default value ["STATIC"].

The "incidentPhase[Index].broadcastContacts.searchShapes[index].searchShapeTypes" support multiple values. For example:

"searchShapeTypes": ["STATIC", "DYNAMIC", "EXPECTED"]
"searchShapeTypes": ["DYNAMIC"]
"searchShapeTypes": ["DYNAMIC", "EXPECTED"]

The "EXPECTED" type supports the time frame "Now" and all types support all values of "Record types".
Minimum Incidents Data Model

The following sample JSON objects illustrate the minimum required content for each message type with the assumption the sender wants to set the value of at least one Information Variable.

Message "type" set to "Standard"

```json
incident_minimum_standard.js
{
    "name": "System Outage - Device 1",
    "incidentAction": "Launch",
    "incidentPhases": [{
        "phaseTemplate": {
            "templateId": 4402341479635,
            "broadcastTemplate": {
                "type": "Standard",
                "broadcastContacts": {
                    "contactIds": [4402341478985, 4402341479113],
                    "groupIds": [],
                    "filterIds": [],
                    "excludedContactIds": []
                }
            },
            "formTemplate": {
                "subject": "New Alert - System Outage",
                "preMessage": "Monitor has detected failed condition on Device 1",
                "postMessage": "Contact Help Desk if you have questions."
            }
        }
    }]
}
```
Close an incident without notification

incident_minimum_close_withoutNotification.js
{
  "incidentAction": "CloseWithoutNotification"
}

The following nodes / attributes can be ignorable (either individual or combined) - will inherit value from incident template if not specified.

◊ “broadcastTemplate”
  • "broadcastTemplate.broadcastContacts"
  • "broadcastTemplate.message"
  • "broadcastTemplate.broadcastSettings"
◊ “formTemplate”
  • "formTemplate.subject"
  • "formTemplate.preMessage"
  • "formTemplate.postMessage"
  • "formTemplate.formVariableItems"

Furthermore, if you want to launch an Incident and inherit all the attributes from the incident template, only a few attributes need to be specified. See the following example.

incident_minimum_inherit_all_from_template.js
{
  "name": "System Outage - Device 1",
  "incidentAction": "Launch",
  "incidentPhases": [{
    "phaseTemplate": {
      "templateId": 4402341479635
    }
  }]
}
incident_minimum_with_exercise_mode.js

{  
  "id": -1,
  "name": "exercise_mode_test",
  "incidentAction": "Launch",
  "incidentPhases": [{
    "phaseTemplate": {
      "templateId": 4402341479635,
      "incidentNotificationPropertyBag": {
        "enableExerciseMode": "true"
      }
    }
  }]
}
GET /incidents/{organizationId}

Description
Return high-level information for each incident, similar to the contents of the Incidents page.

Return type
collection of incidents

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Optional?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>onlyOpen</td>
<td>bool</td>
<td>y</td>
<td>Boolean value indicating whether only open incidents should be returned.</td>
</tr>
<tr>
<td>organizationId</td>
<td>url</td>
<td>n</td>
<td>The ID of the organization containing the incidents.</td>
</tr>
<tr>
<td>pageNumber</td>
<td>query</td>
<td>n</td>
<td>The page number of incidents to return. Page size is 100, and pageNumber is assumed to be 1 if not provided.</td>
</tr>
<tr>
<td>status</td>
<td>url</td>
<td>y</td>
<td>Return incidents by specified status. Allowable values: All, Open, Closed; default value is All.</td>
</tr>
<tr>
<td>incidentType</td>
<td>url</td>
<td>y</td>
<td>Return incidents by specified type. Allowable values: Incident, Scenario, All; default value is Incident.</td>
</tr>
</tbody>
</table>
POST /incidents/{organizationId}

Description
Launch an incident with specified attribute “incidentAction” in the incident object.
◊ “Launch”: launch an incident with notification.
◊ “LaunchThenClose”: launch an incident with notification, then close this incident.
The original sequencing setting is honored if the original incident template enabled the sequencing for the input groups.

Input type
incident

Return type
update

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Optional?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>url</td>
<td>n</td>
<td>The ID of the organization containing these incidents.</td>
</tr>
<tr>
<td>incident</td>
<td>IncidentWrapper</td>
<td>n</td>
<td>An Incident object to send.</td>
</tr>
</tbody>
</table>
NOTE: See the following Minimum Required Object.
◊ Blacked-colored text represents the content of the JSON element.
◊ /*blue-colored text directly below is a description of the JSON element*/.

```json
{
  "name": "System Outage - Device 1",
  /*Required. Specifies the name for the incident. API user can change the incident name in Update or Close request. */
  "incidentAction": "Launch",
  /*Required. Specifies the action for incident operation. Use "Launch" or "LaunchThenClose to launch an incident and send the first notification Use "Update" or "UpdateThenClose to send an update notification Use "CloseWithNotification" or "CloseWithoutNotification" to close an incident */
  "incidentPhases": [{
    "phaseTemplate": {
      "templateId": 4402341479635,
      /*Required. Specifies the template ID for this incident notification. */
      "broadcastTemplate": {
        "priority": "NonPriority",
        /*Required. Specifies the notification priority; value must be "NonPriority" or "Priority". */
        "type": "Standard",
        /*Required. Specifies the notification type; value must be "Standard", "Polling", "Quota" or "Conference". */
        "broadcastContacts": {
          "contactIds": [4402341478985, 4402341479113],
          "groupIds": [],
          "filterIds": [],
          "excludedContactIds": []
        },
        /*Required. Specifies the recipients for the notification. Ensure that one of contactIds, groupIds and filterIds is not empty. */
        "broadcastSettings": {
          "senderEmail": "allen.lai@everbridge.com",
          "mobileSettings": {
            "requestLocation": false,
            "requestImage": false,
            "requestComment": false,
            "allowShare": false
          },
          "throttleDefaultAmount": 0,
          "throttle": false,
```
"duration": 1,
"contactCycles": 1,
"cycleInterval": 0,
"deliveryMethodInterval": 0,
"confirm": false,
"language": "en_US",
"voiceMailOption": "NO_MESSAGE",
"senderCallerInfos": [{
  "countryName": "United States",
  "countryCode": "US",
  "isDefault": true,
  "callerId": "555-555-5555"
}],
"deliverPaths": [{
  "id": 4402341480077,
  "pathId": 241901148045316
},
{
  "id": 4402341480079,
  "pathId": 241901148045324
}]
/* Required. */

"formTemplate": 
{  
  "subject": "New – System Outage",
  /*Required. Specifies the notification title. */
  "preMessage": "Monitor X detected an out-of-bounds condition.",
  "postMessage": "Please contact Help Desk if you have any questions."
  /*Required. The Incident notification message is a combination of preMessage, variables, and
  postMessage. If the template does not contain variables, then preMessage or postMessage cannot
  be empty. */

  /*The following section describes the required strings for the Information Variables.*/

  "formVariableItems": [{
    "val": ["Critical"],
    /*Required. Specify value as string array. If it is empty, then specify the val as [""]. If the value is
    from a single-selection list, then the value must exist in the list of values defined for the Information
    Variable. If the values are from a multi-selection list, then the values must exist in the list of values
    defined for the Information Variable. To submit multiple values for a multi-selection variable, use
    ["Value 1", "Value 2", "Value 3",...,"ValueX"]*/

    "variableId": 4402341478656,
    /*Required. The unique identifier for the Information Variable. Use GET/{incidentVariableItems} to
    retrieve full list of all Information Variables for the organization. */
  ]
}
Sample Minimum Object - Launch Incident

Simple standard notification; no attachments; no audio files.

```json
{
  "name": "System Outage - Device 1",
  "incidentAction": "Launch",
  "incidentPhases": [{
    "phaseTemplate": {
      "templateId": 884011643699521,
      "templateName": "System Outage",
      "broadcastTemplate": {
        "priority": "Priority",
        "type": "Standard",
        "broadcastContacts": {
          "contactIds": [884015938667000],
          "groupIds": [884015938671000],
          "filterIds": [],
          "excludedContactIds": []
        },
        "broadcastSettings": {
          "senderEmail": "helpdesk@serviceemail.com",
          "mobileSettings": {
            "requestLocation": false,
            "requestImage": false,
            "requestComment": false,
            "allowShare": false
          },
          "throttleDefaultAmount": 0,
          "throttle": false,
          "duration": 1,
          "contactCycles": 1,
          "cycleInterval": 0,
          "deliveryMethodInterval": 0,
          "confirm": true,
          "language": "en_US",
          "voiceMailOption": "NO_MESSAGE",
```
"senderCallerInfos": [{
    "countryName": "United States",
    "countryCode": "US",
    "isDefault": true,
    "callerId": "555-555-5555"
}]
],
"deliverPaths": [{
    "id": 884011643700243,
    "pathId": 241901148045316
},
{
    "id": 884011643700241,
    "pathId": 241901148045324
}]
},
"formTemplate": {
    "subject": "New - System Outage",
    "preMessage": "An outage has been reported for",
    "postMessage": "Call Service Desk if you have any questions.",
    "formVariableItems": [
        {
            "val": ["Open"],
            "variableId": 10002,
            "variableName": "Notification Status"
        },
        {
            "val": ["10:11:00"],
            "variableId": 10003,
            "variableName": "Current Time"
        },
        {
            "val": ["Ticket-1234"],
            "variableId": 884011643699844,
            "variableName": "Ticket Number"
        },
        {
            "val": ["11-07-2013 at 10:00:00"],
            "variableId": 884011643699845,
            "variableName": "Incident Start"
", 
  {  "val": ["High"], 
      "variableId": 884011643699335, 
      "variableName": "Severity" 
  }, 
  {  "val": ["Device 1"], 
      "variableId": 884011643699674, 
      "variableName": "Application" 
  }, 
  {  "val": ["Glendale Customers"], 
      "variableId": 884011643699847, 
      "variableName": "Business Unit Impact" 
    }, 
  
  {  "val": ["11-07-2013 at 04:00:00"], 
      "variableId": 884011643699221, 
      "variableName": "884011643699221" 
    } 
]
GET /incidents/{organizationId}/{incidentId}

**Description**

Return the details for an incident, similar to the content of the Incident Details page.

**Return type**

Incident instance

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Optional?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>url</td>
<td>n</td>
<td>The ID of the organization containing these incidents.</td>
</tr>
<tr>
<td>incidentId</td>
<td>url</td>
<td>n</td>
<td>The ID of the Incident to return.</td>
</tr>
</tbody>
</table>
PUT /incidents/{organizationId}/{incidentId}

Description

Update or close an incident with specified attribute “incidentAction” in the incident object.

◊ “Update”: send update notification to an incident.
◊ “UpdateThenClose”: send update notification to an incident, then close this incident.
◊ “CloseWithNotification”: close an incident with notification.
◊ “CloseWithoutNotification”: close an incident without notification. For this operation, the incident body can be simplified, as follows.

```
simplified_incident.js
{"IncidentAction": "CloseWithoutNotification"}
```

The original sequencing setting is honored if the original incident template enabled the sequencing for the input groups.

Input type

incident

Return type

update

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Optional?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>url</td>
<td>n</td>
<td>The ID of the organization containing these incidents.</td>
</tr>
<tr>
<td>incident</td>
<td>IncidentWrapper</td>
<td>n</td>
<td>An Incident object to send.</td>
</tr>
</tbody>
</table>
Incident Preview

Preview the contacts/groups (Static as well as Dynamic), message texts, settings, and other information that will be used in the notification.

POST incidents/preview/{organizationId}

The minimum request body:

◊ Launch

```
{
  "id": -1,
  "name": "preview",
  "incidentAction": "Launch",
  "incidentPhases": [{
    "phaseTemplate": {
      "templateId": 4402341479635
    }
  }]
}
```

◊ Update

```
{
  "id": "28904487957655",
  "name": "preview",
  "incidentAction": "Update",
  "incidentPhases": [{
    "phaseTemplate": {
      "templateId": 4402341479635
    }
  }]
}
```

**NOTE:** The other json fields are the same to Launch/Update Incident API.
### Post Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Optional?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>id</td>
<td>long</td>
<td>n</td>
<td>The Incident ID. This is required for incidentAction &quot;Update&quot;, &quot;UpdateThenClose&quot;, and &quot;CloseWithNotification&quot;</td>
</tr>
<tr>
<td>incidentAction</td>
<td>string</td>
<td>n</td>
<td>enum [&quot;Launch&quot;, &quot;LaunchThenClose&quot;, &quot;Update&quot;, &quot;UpdateThenClose&quot;, &quot;closeWithNotification&quot;]</td>
</tr>
<tr>
<td>incidentPhases.phaseTemplate.templateId</td>
<td>long</td>
<td>n</td>
<td>Template ID.</td>
</tr>
<tr>
<td>name</td>
<td>string</td>
<td>n</td>
<td>Incident name. This is required for incident update preview, optional for incident launch preview.</td>
</tr>
</tbody>
</table>
Response

Preview Response.js

{
    "message": "OK",
    "result": {
        "id": 999999999, // If incidentAction is Launch or LaunchThenClose then this value will always be 999999999.
        "name": "Incident preview test",
        "notificationInfo": {
            "messageFlag": 1, // Use bits to indicate permissions? 1: VIEW, 2: EDIT, 3: VIEW & EDIT, 0: NO PERMISSION, Boolean hasEditPermission = (2 & messageFlag) == 2;
            "contactsFlag": 0,
            "settingsFlag": 1,
            "permissionMessages": "CONTACTS HAS NO VIEW PERMISSION", // or "SETTINGS HAS NO VIEW PERMISSION", "SETTINGS AND CONTACTS HAVE NO VIEW PERMISSION"
            "message": {
                "title": "Message Title",
                "textMessage": "This is a test message",
                "messageLength": 35, // The sum of messageTitle length and messageBody length
                "estimatedSmsCount": 1, // Rough estimate of sms count, based on 120 characters for each sms.
                "rtfMessage": "<meta id="meta" name="viewport" content="width=device-width; initial-scale=1.0">rtf message body", // Key may be not present if there is no rtf message or not allowed have rtf message
                "conferenceBridgeName": "conference 1" // Key may be not present conference bridge name, if this notification type is Conference, this field will existing.
            }
        }
    }
}

"questionaire": { // Key may be not present, if notification type is Polling or Quota, this field will existing.
    "inputOptionAllowable": false,
    "multipleSelected": false,
    "answers": [}
{  
    "quotaNum": 2,  
    "name": "request1"  
}

,
{  
    "quotaNum": 2,  
    "name": "request2"  
}

],  
"required": false  
)}

"contacts": {// if no view permission, the contacts part will not show  
"staticContacts": {  
    "totalContactCount": 2,  
    "individualCount": 1,  
    "groupContactCount": 2,  
    "ruleContactCount": 1,  
    "mapContactCount": 0,  
    "groupInfo": [  
      {  
        "id": 241896853078135,  
        "name": "New Group"  
      }  
    ],  
    "ruleInfo": [{  
      "id": 241896853078036,  
      "name": "rule2"  
    }]  
  },  
"conditionsContacts": {  
    "totalContactCount": 2,  
    "individualCount": 1,  
    "groupContactCount": 2,  
    "ruleContactCount": 1,  
    "mapContactCount": 0,  
    "groupInfo": [  
      {  
        "id": 241896853078135,  
        "name": "New Group"  
      }  
    ],  
    "ruleInfo": [{  
      "id": 241896853078036,  
      "name": "rule2"  
    }]  
  }  
}
Error Codes

<table>
<thead>
<tr>
<th>Status</th>
<th>Message</th>
</tr>
</thead>
<tbody>
<tr>
<td>400</td>
<td>Missing or invalid request input.</td>
</tr>
<tr>
<td>401</td>
<td>Invalid or missing credentials.</td>
</tr>
<tr>
<td>500</td>
<td>Internal Error.</td>
</tr>
</tbody>
</table>
Incident Variables

The /incidentVariableItems collection is used to query the data of Incident Variables used in the Incident object.

Incident Variables Data Model

```json
{
  "id": 4402341479214,
  "name": "Outage Type",
  "seq": 0,
  "varType": "Single",
  "variableOptItem": [{
    "txt": "Power",
    "val": "Power",
    "seq": 0,
    "isSelected": false
  },
  {
    "txt": "Firmware",
    "val": "Firmware",
    "seq": 0,
    "isSelected": false
  },
  {
    "txt": "System Configuration",
    "val": "System Configuration",
    "seq": 0,
    "isSelected": false
  }],
  "accountId": 8800387990064,
  "status": "FA",
  "createdId": 4402341478524,
  "createdName": "apiUser",
  "lastModifiedId": 4402341478524,
  "lastModifiedName": "apiUser",
  "createdDate": 1977240406627,
  "lastModifiedDate": 1977240406627,
  "organizationId": 0000387992863,
  "resourceBundleId": 8800387992863
}
```
GET /incidentVariableItems/{organizationId}

**Description**
Return detailed information for each incident variable, similar to the contents of the Incident Variables list page.

**Return type**
collection of variableItems

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Optional?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>url</td>
<td>n</td>
<td>The ID of the organization containing these variables.</td>
</tr>
<tr>
<td>pageNumber</td>
<td>query</td>
<td>n</td>
<td>The page of Variable data to return. Page size is 100, and pageNumber is assumed to be 1 if not provided.</td>
</tr>
</tbody>
</table>

GET /incidentVariableItems/{organizationId}/{searchOption}

**Description**
Return detailed information for a single incident variable that meets the search criteria.

**Return type**
object of variableItems

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Optional?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>url</td>
<td>n</td>
<td>The ID of the organization containing these variables.</td>
</tr>
<tr>
<td>searchOption</td>
<td>url</td>
<td>n</td>
<td>Valid values are ID or Name. The searchOption specifies the search will be filtered by variable ID or variable Name.</td>
</tr>
<tr>
<td>searchValue</td>
<td>query</td>
<td>n</td>
<td>The filter criteria to filter variable data to return. If &quot;searchOption&quot; is specified as &quot;ID&quot;, set the variable ID. Otherwise, it should be complete variable name (case-sensitive).</td>
</tr>
</tbody>
</table>
Example

Request URL:

https://api-qa1.everbridge.net/api/incidentVariableItems/241901148045321/
ID?searchValue=241901148045314

or

https://api-qa1.everbridge.net/api/incidentVariableItems/241901148045321/
Name?searchValue=Progress

Data

```
single_variable.js
{
    "message": "OK",
    "result": [ {
        "id": 241901148045314,
        "name": "Progress",
        "source": { 
            "urlType": "Teambu",
            "accountId": 241901148045328,
            "status": "A",
            "createdID": 241901148045320,
            "createdName": "Allen Iac",
            "lastModifiedID": 241901148045320,
            "lastModifiedName": "Allen Iac",
            "createdDate": 1599098187119,
            "lastModifiedDate": 1599098147113,
            "organizationID": 241901148045321,
            "resourceBundleID": 241901148045579
        }
    }]
}
```

```
error_message.js

"Data not found"
{ "status": 404,
  "message": "Unable to find Incident Variable by search option: Name, search value: Progress-A."
}

Parameter "searchValue" not specified or not valid
{ "status": 400,
  "message": "Please specify valid Incident Variable Name." }
{ "status": 400,
  "message": "Please specify valid Incident Variable ID." }
```
GET /incidentVariableItems/{organizationId}/{templateId}/ {phase}

Description

Returns incident variables that were included in the specified incident template and incident phase.

Return type

object of variableItems

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Optional?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>url</td>
<td>n</td>
<td>The ID of the organization containing these variables.</td>
</tr>
<tr>
<td>template</td>
<td>url</td>
<td>n</td>
<td>The template ID that contains the incident variables.</td>
</tr>
<tr>
<td>phase</td>
<td>url</td>
<td>n</td>
<td>The incident phase name that contains the incident variables. Allowable values: New, Update or Close.</td>
</tr>
</tbody>
</table>
Incident Templates

The /incidentTemplates collection is used to query the Incident Templates.

Incident Templates Data Model

incidentTemplate-detailed.js

```
{ "id": 4402341479635, "name": "Network Issue", "templateStatus": "Live", "accountId": 8800387990064, "status": "A", "createdId": 4402341478524, "createdName": "apiUser", "lastModifiedId": 4402341478524, "lastModifiedName": "apiUser", "createdDate": 1374088056262, "lastModifiedDate": 1377737608663, "organizationId": 8800387990263, "resourceBundleId": 8800387990350 }
```

incidentTemplate-details.js

Change History of the Incident Template data model:

<table>
<thead>
<tr>
<th>Since Version</th>
<th>Add or Remove</th>
<th>JSON Field</th>
<th>Value Type</th>
<th>ParentField</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.5.0</td>
<td>Add</td>
<td>sequenceGroupEnable</td>
<td>Boolean</td>
<td>phaseTemplates. broadcastTemplate. broadcastContacts</td>
<td>The sequence group feature is enabled or not for this template.</td>
</tr>
<tr>
<td>6.5.0</td>
<td>Add</td>
<td>answerNeeded</td>
<td>String</td>
<td>phaseTemplates. broadcastTemplate. broadcastContacts</td>
<td>Is the answer needed in the response.</td>
</tr>
<tr>
<td>6.5.0</td>
<td>Add</td>
<td>defaultSeqGroupQuota</td>
<td>Number</td>
<td>phaseTemplates. broadcastTemplate. broadcastContacts</td>
<td>The default sequence group quota number.</td>
</tr>
<tr>
<td>6.5.0</td>
<td>Add</td>
<td>sequenceGroupInterval</td>
<td>Number</td>
<td>phaseTemplates. broadcastTemplate. broadcastContacts</td>
<td>Time time unit is Minute.</td>
</tr>
<tr>
<td>6.5.0</td>
<td>Add</td>
<td>sequenceGroups. groupId</td>
<td>Number</td>
<td>phaseTemplates. broadcastTemplate. broadcastContacts</td>
<td>The sequence enabled group ID.</td>
</tr>
</tbody>
</table>
### Since Version | Add or Remove | JSON Field | Value Type | ParentField | Description
--- | --- | --- | --- | --- | ---
6.5.0 | Add | sequenceGroups.confirmationQuota | Number | phaseTemplates.broadcastTemplate.broadcastContacts | The amount of the answer needed by this group.  
6.5.0 | Add | sequenceShifts.shiftId | Number | phaseTemplates.broadcastTemplate.broadcastContacts | The sequence enabled shift ID.  
6.5.0 | Add | sequenceShifts.confirmationQuota | Number | phaseTemplates.broadcastTemplate.broadcastContacts | The amount of the answer needed by this shift.  
9.0.0 | Add | enableGroupCalendar | Boolean | phaseTemplates.broadcastTemplate.broadcastContacts | Is enable the group calendar.  
9.0.0 | Add | useCustomEmail | Boolean | phaseTemplates.broadcastTemplate.broadcastContacts | Is include a separate message for email notification.  
9.1.0 | Add | enableSecureNotification | Boolean | phaseTemplates.broadcastTemplate.broadcastSettings | Is enable the secure Notification  
9.2.0 | Add | enableSendToSubscribers | Boolean | phaseTemplates.broadcastTemplate.broadcastContacts | Is enable the subscribers.  
9.2.0 | Add | enableSendToSubscribers | Boolean | phaseTemplates.broadcastTemplate.broadcastContacts | Is enable the subscribers.  
9.3.0 | Add | publishOptionsFlag | Map | phaseTemplates | Containing the permission of the publish options  
9.3.0 | Add | network | Number | phaseTemplates.publishOptionsFlag.network | The value includes: 0, 1, 3.  
0: having no channel view permission; 1: having channel view permission; 3: add/remove publish channel (default 1)
<table>
<thead>
<tr>
<th>Since Version</th>
<th>Add or Remove</th>
<th>JSON Field</th>
<th>Value Type</th>
<th>ParentField</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.3.0</td>
<td>Add</td>
<td>alertUs</td>
<td>Number</td>
<td>phaseTemplates.publishOptionsFlag.alertUs</td>
<td>The value includes: 0, 1, 3. 0: having no channel view permission; 1: having channel view permission; 3: add/remove publish channel (default 1)</td>
</tr>
<tr>
<td>9.3.0</td>
<td>Add</td>
<td>webPosting</td>
<td>Number</td>
<td>phaseTemplates.publishOptionsFlag.webPosting</td>
<td>The value includes: 0, 1, 3. 0: having no channel view permission; 1: having channel view permission; 3: add/remove publish channel (default 1)</td>
</tr>
<tr>
<td>9.3.0</td>
<td>Add</td>
<td>socialMedia</td>
<td>Number</td>
<td>phaseTemplates.publishOptionsFlag.socialMedia</td>
<td>The value includes: 0, 1, 3. 0: having no channel view permission; 1: having channel view permission; 3: add/remove publish channel (default 1)</td>
</tr>
<tr>
<td>9.3.0</td>
<td>Add</td>
<td>nixleChannel</td>
<td>Number</td>
<td>phaseTemplates.publishOptionsFlag.nixleChannel</td>
<td>The value includes: 0, 1, 3. 0: having no channel view permission; 1: having channel view permission; 3: add/remove publish channel (default 1)</td>
</tr>
<tr>
<td>9.3.0</td>
<td>Add</td>
<td>abb</td>
<td>Number</td>
<td>phaseTemplates.publishOptionsFlag.abb</td>
<td>The value includes: 0, 1, 3. 0: having no channel view permission; 1: having channel view permission; 3: add/remove publish channel (default 1)</td>
</tr>
<tr>
<td>9.3.0</td>
<td>Add</td>
<td>memberPortal</td>
<td>Number</td>
<td>phaseTemplates.publishOptionsFlag.memberPortal</td>
<td>The value includes: 0, 1, 3. 0: having no channel view permission; 1: having channel view permission; 3: add/remove publish channel (default 1)</td>
</tr>
<tr>
<td>9.3.0</td>
<td>Add</td>
<td>ipawsCap</td>
<td>Number</td>
<td>phaseTemplates.publishOptionsFlag.ipawsCap</td>
<td>The value includes: 1, 3. 1: having channel view permission; 3: add/remove publish channel (default 1)</td>
</tr>
</tbody>
</table>
GET `/incidentTemplates/{organizationId}`

**Description**

Return high-level information for each incident template, similar to the contents of the Incident template list page. Response contains information only for templates with "templateStatus": "Live".

**Return type**

collection of incidentTemplates

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Optional?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>url</td>
<td>n</td>
<td>The ID of the organization containing these Incident templates.</td>
</tr>
<tr>
<td>pageNumber</td>
<td>query</td>
<td>n</td>
<td>The page of Incident Template data to return. Page size is 100, and pageNumber is assumed to be 1 if not provided.</td>
</tr>
</tbody>
</table>
GET /incidentTemplates/{organizationId}/{incidentTemplateId}

**Description**
Return detailed information for incident template, similar to the contents of the Incident template edit page.

**Return type**
incidentTemplate

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Optional?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>skipPaging</td>
<td>query</td>
<td>y</td>
<td>Whether or not to skip pagination that loads all templates at once. Allowable values: true or false; default value is false.</td>
</tr>
<tr>
<td>categoryName</td>
<td>query</td>
<td>y</td>
<td>Load templates in specified category. Allowable values: template category name, case-insensitive.</td>
</tr>
<tr>
<td>organizationId</td>
<td>url</td>
<td>n</td>
<td>The ID of the organization containing the Incident Template.</td>
</tr>
<tr>
<td>incidentTemplateId</td>
<td>url</td>
<td>n</td>
<td>The ID of the incident template object.</td>
</tr>
</tbody>
</table>
Incident Notifications

The `/incidentNotifications` collection is used to query the notifications that were sent for a specified Incident, similar to the Notifications list of the Incident details page.

GET `/incidentNotifications/{organizationId}/{incidentId}`

Description
Return detailed information for each notification sent for a specified Incident, similar to the Notifications list of the Incident details page.

Return type
collection of notifications

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Optional?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>url</td>
<td>n</td>
<td>The ID of the organization containing these Incident Templates.</td>
</tr>
<tr>
<td>incidentId</td>
<td>url</td>
<td>n</td>
<td>The ID of the Incident object.</td>
</tr>
<tr>
<td>pageNumber</td>
<td>query</td>
<td>n</td>
<td>The page of Notification data to return. Page size is 100, and pageNumber is assumed to be 1 if not provided.</td>
</tr>
</tbody>
</table>
GET /incidentNotifications/{organizationId}/{incidentId}/notification

**Description**
Return detailed information for a specific notification sent for a specified Incident.

**Return type**
notification

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Optional?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>url</td>
<td>n</td>
<td>The ID of the organization containing these Incident Templates.</td>
</tr>
<tr>
<td>incidentId</td>
<td>url</td>
<td>n</td>
<td>The ID of the Incident object.</td>
</tr>
<tr>
<td>notificationId</td>
<td>query</td>
<td>n</td>
<td>The ID of the Notification object to return.</td>
</tr>
<tr>
<td>verbose</td>
<td>query</td>
<td>y</td>
<td>A boolean value indicating whether the full contact-by-contact results should be returned for this notification. Defaults to false. Acceptable values are true or false.</td>
</tr>
</tbody>
</table>
When verbose is true, field notificationResult in Notification Data Model will be:

```json
{
  "notificationResult": {
    "notificationId": 0,
    "unreachableCount": 0,
    "confirmedCount": 0,
    "totalCount": 1,
    "confirmedLateCount": 0,
    "notConfirmedCount": 1,
    "allDetails": [
      {
        "id": 0,
        "notificationId": 281891588843319,
        "contactId": 444215582541121,
        "result": "Sent",
        "attemptTime": 1525854777355,
        "firstAttemptTime": 1525854777355,
        "fullName": "Test5 1",
        "firstName": "Test5",
        "lastName": "1",
        "attempt": 0,
        "externalId": "10001",
        "createdId": 884011643701679,
        "confirmedPathValue": "tom@gmail.com",  // this field
        "confirmed": false
      }
    ]
  }
}
```
Incident Notification with exercise mode on:

{
  "message": "OK",
  "result": {
    "startDate": 1568709818322,
    "accountId": 448605039100272,
    "broadcastContacts": {
      "contactIds": [
        466197263635212,
        444206992609729
      ],
      "contactSearchType": "AllOr",
      "sequenceGroupEnabled": false,
      "defaultSeqGroupQuota": 0,
      "enableGroupCalendar": false
    },
    "incidentPhase": {
      "createdName": "SmartConference_admin2 wzheng",
      "incidentId": 292886704849720,
      "accountId": 448605039100272,
      "status": "A",
      "resourceBundleId": 448605039100755,
      "organizationId": 448605039100539,
      "id": 10011,
      "notificationId": -1,
      "phaseTemplate": {
        "templateId": 444206992614315,
        "templateName": "2622",
        "name": "New | Updated | Closed",
        "messageFlag": 1,
        "contactsFlag": 1,
        "settingsFlag": 1,
        "publishOptionsFlag": {
          "abb": 1,
          "ipawsCap": 1,
          "webPosting": 1,
          "nixleChannel": 1,
          "alertUs": 1,
          "socialMedia": 1,
          "memberPortal": 1,
          "network": 1
        },
        "phaseDefinitions": [
          {
            "id": 1001,
            "status": "A",
            "isDefault": false,
            "name": "New",
            "seq": 0
          }
        ]
      }
    }
  }
}
Chapter 4 – Incident Management

```json
{
  "id": 1002,
  "status": "A",
  "isDefault": false,
  "name": "Updated",
  "seq": 0
},
{
  "id": 1003,
  "status": "A",
  "isDefault": false,
  "name": "Closed",
  "seq": 0
}
],
"formTemplate": {
  "subject": "[DRILL]2622",
  "preMessage": "[DRILL]pre.Calendar1Only SA phone16:38:39SmartConference_admin2 wzhang",
  "postMessage": "post.Calendar1Only SA phone16:38:39SmartConference_admin2 wzhang",
  "formVariableItems": [
    {
      "val": [16:43:38],
      "variableName": "Current Time",
      "isRequired": false,
      "seq": 1,
      "variableId": 10003
    }
  ]
},
"broadcastTemplate": {
  "accountId": 0,
  "broadcastContacts": {
    "contactIds": [466197263635212, 444206992609729],
    "contactSearchType": "AllOr",
    "sequenceGroupEnabled": false,
    "defaultSeqGroupQuota": 0,
    "enableGroupCalendar": false
  },
  "resourceBundleId": 0,
  "organizationId": 0,
  "publicMessages": {},
  "type": "Standard"
}
```
"id": 0,
"message": {
  "accountId": 448605039100272,
  "organizationId": 448605039100539,
  "contentType": "Text",
  "id": 0,
  "title": "[DRILL]2622",
  "textMessage": "[DRILL]pre.Calendar1Only SA phone16:38:39SmartConference_admin2 wzhang 
Current Time: 16:43:38 
Message Sender: SmartConference_admin2 wzhang 
6.5RG_gp&aa: Only SA phone1 
6.5RG_cal&aa: Calendar1 
6.5RGDate1: 11-02-2016 
6.5RG_gp1: 0 Normal Group, 0 Seq Group, 0 Seq Group Used by seq Shift 
post.Calendar1Only SA phone16:38:39SmartConference_admin2 wzhang",
  "conferenceBridgeId": 0,
  "createdDate": 1568709818291,
  "createdName": "SmartConference_admin2 wzhang",
  "status": "A",
  "resourceBundleId": 448605039100755,
  "lastModifiedDate": 1568709818291,
  "lastModifiedId": 448605039100311,
  "createdId": 448605039100311,
  "lastModifiedName": "SmartConference_admin2 wzhang",
  "rtfContent": "<meta name="viewport" id="meta" content="width=device-width; initial-scale=1.0">RTF.16:38:390 Normal Group, 0 Seq Group, 0 Seq Group Used by seq Shift",
  "useCustomEmail": true
},
"broadcastSettings": {
  "voiceMailOption": "MESSAGE_ONLY",
  "throttleDefaultAmount": 0,
  "throttle": false,
  "mobileSettings": {
    "requestComment": false,
    "requestImage": false,
    "requestLocation": false,
    "allowShare": false,
    "requireConfirm": false,
    "pushAlertEnabled": false
  },
  "deliverPaths": [
    {
      "accountId": 448605039100272,
      "pathId": 241901148045324,
      "organizationId": 448605039100539,
      "awarePathId": 5273022,
      "id": 884011643702978,
      "expose": false,
      "isDefault": true,
    }
  ]
}
"createdDate": 1473668879373,
"createdName": "SmartConference1 wzhang",
"status": "A",
"mandatory": false,
"resourceBundleId": 448605039100755,
"editable": false,
"seq": 23,
"lastModifiedDate": 1560239858257,
"lastModifiedId": 448605039100303,
"prompt": "SMS1",
"lastModifiedName": "SmartConference1 wzhang",
"extRequired": false,
"displayFlag": false,
"default": true
],
"requirePinForMessage": false,
"deliveryMethodInterval": 0,
"bookConference": false,
"cycleInterval": 0,
"duration": 1,
"senderCallerInfos": [
  {
    "countryName": "United States",
    "accountId": 0,
    "countryCode": "US",
    "resourceBundleId": 0,
    "organizationId": 0,
    "id": 0,
    "callerId": "2012345670",
    "isDefault": true,
    "createdId": 0,
    "lastModifiedId": 0
  }
],
"contactCycles": 1,
"language": "en_US",
"recipientApp": false,
"senderEmail": "ComboxVariableOrg@everbridge.net",
"confirm": true,
"deliveryPathOrder": "Contact",
"enableSecureNotification": false
},
"priority": "NonPriority",
"lastModifiedId": 0,
"createdId": 0,
"useEscalation": false,
"enableLifeSafety": false
}
"ignoreVariable": false,
"evaluateAll": false,
"incidentNotificationPropertyBag": {
  "enableExerciseMode": "true",
  "exerciseModeContent": "[DRILL]"
}
},
"name": "New",
"lastModifiedDate": 1568709818248,
"lastModifiledId": 448605039100311,
"createdId": 448605039100311,
"createdDate": 1568709818248,
"lastModifieldName": "SmartConference_admin2 wzhang",
"phaseDefinition": {
  "phaseNodeType": "Begin",
  "id": 1001,
  "incidentStatus": "Open",
  "status": "A",
  "isDefault": true,
  "name": "New",
  "seq": 100
},
"endDate": 1568713418322,
"transformed": true,
"organizationId": 448605039100539,
"type": "Standard",
"id": 292886704886961,
"notificationStatus": "Completed",
"productSource": "Matrix",
"priority": "NonPriority",
"oldAwareCAMPID": 0,
"createdDate": 1568709818321,
"hasNotification": true,
"createdName": "SmartConference_admin2 wzhang",
"status": "A",
"notificationResult": {
  "notificationId": 292886704886961,
  "unreachableCount": 0,
  "confirmedCount": 0,
  "totalCount": 2,
  "confirmedLateCount": 0,
  "notConfirmedCount": 0
},
"resourceBundleId": 448605039100755,
"launchtype": "SendNow",
"publicMessages": {},
"message": {
  "accountId": 448605039100272,
"seq": 23,
"lastModifiedDate": 1560239858257,
"lastModifiedId": 448605039100303,
"createdId": 448605039100303,
"prompt": "SMS1",
"lastModifiedName": "SmartConference1 wzhang",
"extRequired": false,
"displayFlag": false,
"default": true
}
],
"requirePinForMessage": false,
"deliveryMethodInterval": 0,
"bookConference": false,
"cycleInterval": 0,
"duration": 1,
"senderCallerInfos": [
{
"countryName": "United States",
"accountId": 0,
"countryCode": "US",
"resourceBundleId": 0,
"organizationId": 0,
"id": 0,
"callerId": "2012345670",
"isDefault": true,
"createdId": 0,
"lastModifiedId": 0
}
],
"contactCycles": 1,
"language": "en_US",
"recipientApp": false,
"senderEmail": "ComboxVariableOrg@everbridge.net",
"confirm": true,
"deliveryPathOrder": "Contact",
"enableSecureNotification": false
},
"sourceTemplateId": 0,
"source": "Web",
"notificationName": "[DRILL]2622",
"batchNotificationId": 0,
"stoppedBy": 0,
"lastModifiedDate": 1568713440059,
"lastModifiedId": 448605039100311,
"createdId": 448605039100311,
"processedBy": "schedtask-be-c1-1",}
Chapter 4 – Incident Management

"lastModifiedName": "SmartConference_admin2 wzhang",
"incident": {
  "accountId": 448605039100272,
  "organizationId": 448605039100539,
  "id": 292886704849720,
  "incidentStatus": "Open",
  "name": "[DRILL]2622",
  "createdDate": 1568709818198,
  "hasJournal": false,
  "createdName": "SmartConference_admin2 wzhang",
  "status": "A",
  "resourceBundleId": 448605039100755,
  "duration": 0,
  "createdId": 448605039100311,
  "lastModifiedId": 448605039100311,
  "lastModifiedDate": 1568709818198,
  "phaseStatus": {
    "phaseNodeType": "Begin",
    "id": 1001,
    "incidentStatus": "Open",
    "status": "A",
    "isDefault": true,
    "name": "New",
    "seq": 100
  },
  "lastModifiedName": "SmartConference_admin2 wzhang"
},
"escalationConfirmedCount": 0,
"escalatedNotification": false,
"enableLifeSafety": false
}
GET /incidentNotifications/{organizationId}/scenario

Description
Return all of the notifications that are triggered by the specified scenario.

Return type
notification
The customScenarioId is used only if the scenarioId is not greater than 0 (zero). Added in the release of EB 6.8.0.

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Optional?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>url</td>
<td>n</td>
<td>The ID of the organization containing these Incident Templates.</td>
</tr>
<tr>
<td>scenarioId</td>
<td>url</td>
<td>n</td>
<td>The ID of the scenario object.</td>
</tr>
<tr>
<td>customScenarioId</td>
<td>query</td>
<td>y</td>
<td>The custom ID of the scenario.</td>
</tr>
<tr>
<td>pageNumber</td>
<td>query</td>
<td>y</td>
<td>The page number of the returned data.</td>
</tr>
<tr>
<td>pageSize</td>
<td>query</td>
<td>y</td>
<td>The page size of this query.</td>
</tr>
</tbody>
</table>
Incident Journals

The IncidentJournals collection is used for managing incident journals for a specified incident.

IncidentJournal Data Model (GET)

```json
{
    "incidentId": 884011643700233,
    "createdName": "Allen lai",
    "accountId": 8800387990064,
    "status": "A",
    "resourceBundleId": 8800387990350,
    "journalEntry": "This is a message to inform the notification is delivered.",
    "organizationId": 8800387990263,
    "createdId": 4402341478524,
    "lastModifiedId": 4402341478524,
    "lastModifiedDate": 1445939666390,
    "createdDate": 1445939666390,
    "lastModifiedName": "Allen lai"
}
```

IncidentJournal Data Model (POST)

```json
{
    "journalEntry": "This is a message to inform the notification is delivered."
}
```
GET /incidentJournals/{organizationId}/{incidentId}

Description
Retrieve all incident journals for a specified incident.

Return type
[incidentJournal] [collection]

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Optional?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>url</td>
<td>n</td>
<td>The ID of the organization.</td>
</tr>
<tr>
<td>incidentId</td>
<td>url</td>
<td>n</td>
<td>The ID of the Incident.</td>
</tr>
</tbody>
</table>

POST /incidentJournals/{organizationId}/{incidentId}

Description
Add a new incident journal for an incident.

Return type
[update]

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Optional?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>url</td>
<td>n</td>
<td>The ID of the organization.</td>
</tr>
<tr>
<td>incidentId</td>
<td>url</td>
<td>n</td>
<td>The ID of the Incident.</td>
</tr>
<tr>
<td>journal</td>
<td>body</td>
<td>n</td>
<td>The journal entry.</td>
</tr>
</tbody>
</table>
Incident Scenarios

You can manage your Incident Scenarios library by means of the REST API.

Incident Scenario Data Model

IncidentScenario.js

```javascript
{
  "id": 175026155411458,
  "name": "test1",
  "templateIds": [
    884011643711334,
    884011643711335
  ]
}
```

incident_scenario_with_exercise_mode.js

```javascript
{
  "scenarioId": 241896853078031,
  "incidentAction": "Launch",
  "templateIds": [241896853080647],
  "incidentNotificationPropertyBag": {
    "enableExerciseMode": true
  },
  "name": "exercise mode test",
  "incidentName": "incident11"
}
```

GET /incidentScenarios/{organizationID}

Description:

Return a paged set of incidentScenarios for an organization. The response object will include all incidentScenarios in an organization.
Return type:

[incidentScenarios] [collection]

Parameters:

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Optional?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>url</td>
<td>n</td>
<td>The ID of the organization containing these incidentScenarios.</td>
</tr>
<tr>
<td>sortBy</td>
<td>query</td>
<td>y</td>
<td>Whether to sort data by id, name, or lastModifiedDate.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>allowableValues=&quot;id, name, lastModifiedDate&quot;. Default is id.</td>
</tr>
<tr>
<td>direction</td>
<td>query</td>
<td>y</td>
<td>Whether to sort data as ASC or DESC, allowableValues=&quot;ASC, DESC&quot;. Default is ASC.</td>
</tr>
<tr>
<td>pageNumber</td>
<td>query</td>
<td>y</td>
<td>The page number of incidentScenarios to return. Default is 1.</td>
</tr>
</tbody>
</table>

Response:

IncidentScenarios list with paging
{  
  "message": "OK",
  "firstPageUri": "https://api-qa1.everbridge.net/api/incidentScenarios/888409690210694/?pageNumber=1",
  "lastPageUri": "https://api-qa1.everbridge.net/api/incidentScenarios/888409690210694/?pageNumber=1",
  "page": {
    "pageSize": 10,
    "start": 0,
    "data": [
      {
        "id": 175926155411458,
        "name": "test1",
        "templateIds": [
          884011643711334,
          884011643711335
        ]
      },
      {
        "id": 175926155411457,
        "name": "test2",
        "templateIds": [
          884011643711334,
          884011643711335
        ]
      }
    ]
  },
  "totalCount": 2,
  "currentPageNo": 1,
  "totalPageCount": 1
}
GET /incidentScenarios/{organizationId}/{queryType}

Description:
Return a specific incidentScenario record for the Organization by queryType.

Return type:
[incidentScenarios] [instance]

Parameters:

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Optional?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>url</td>
<td>n</td>
<td>The ID of the organization containing this incidentScenario.</td>
</tr>
<tr>
<td>scenarioId</td>
<td>url</td>
<td>n</td>
<td>The ID of the scenario.</td>
</tr>
<tr>
<td>queryType</td>
<td>query</td>
<td>y</td>
<td>The validate value for this parameter is scenarioId or customScenarioId.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>If the value of queryType coming from the client is 'customScenarioId', then</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>the value of [scenarioId] is treated as customScenarioId to do the query.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>If the value of queryType coming from the client is not provided or is</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>not 'customScenarioId', then the value of [scenarioId] is treated as</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>scenarioId. This logic is used to make sure forward-backward compatibility.</td>
</tr>
</tbody>
</table>

The following are some examples of the request URLs.

Use the customScenarioId to do the query: "http://127.0.0.1:9080/incidentScenarios/8800387990014/1233?queryType=customScenarioId".

Use the scenarioId to do the query: "http://127.0.0.1:9080/incidentScenarios/8800387990014/175926155411458?queryType=scenarioId".

Use the scenarioId to do the query: "http://127.0.0.1:9080/incidentScenarios/8800387990014/175926155411458".
Response:

IncidentScenario with unique variables list

```
{
    "message": "OK",
    "result":
    {
        "id": 175926155411458,
        "name": "test1",
        "templateIds": [
            884011643711334,
            884011643711335
        ],
        "formVariables": [
            {
                "variableId": "12765",
                "variableName": "textbox",
                "val": ["t1", "t2", "t3"]
            },
            {
                "variableId": "12767",
                "variableName": "multiple selection",
                "val": ["m1", "m2", "m3"]
            }
        ]
    }
}
```

**POST /incidentScenarios/{organizationId}**

**Description:**

Launch a new incidentScenario.

**Return type:**

[update]
Parameters:

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Optional?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>url</td>
<td>n</td>
<td>The ID of the organization in which to create this incidentScenario.</td>
</tr>
<tr>
<td>incidentScenario</td>
<td>body</td>
<td>n</td>
<td>The JSON representation of the new incidentScenario.</td>
</tr>
</tbody>
</table>

Body:

```
{
  "incidentAction": "Launch/LaunchThenClose",
  "incidentName": "scenario1", /*optional, we will use scenario template name as default if not set*/
  "scenarioId": 175926155411457,

  "customScenario": 123, /*optional, added at 6.8.0. If the scenarioId and customScenarioId are both provided and the scenarioId is greater than 0, then the customScenarioId will be ignored and the scenarioId will be used. */

  "templateIds": [
    444206992588808,
    444206992588809
  ], /*optional*/
  "formVariables": [
    {
      "variableId": "444206992588802",
      "variableName": "textbox", /*optional*/
      "val": ["t1"]
    },
    {
      "variableId": "444206992588803",
      "variableName": "multiple selection",
      "val": ["m1", "m2", "m3"]
    }
  ] /*optional, not needed for launch by phone*/
}
```
Response:

{
"message": "OK",
"id": 175926155411501,
"baseUri": "https://api-qa1.everbridge.net/api/incidentScenarios/448605039099942/",
"instanceUri": "https://api-qa1.everbridge.net/api/incidents448605039099942/175926155411501"
}

PUT /incidentScenarios/{organizationId}/{incidentId}

Description:
Update a launched IncidentScenario.

Return type:
[update]

Parameters:

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Optional?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>url</td>
<td>n</td>
<td>The ID of the organization in which to create this incidentScenario.</td>
</tr>
<tr>
<td>incidentId</td>
<td>url</td>
<td>n</td>
<td>The incident ID of the updated scenario.</td>
</tr>
<tr>
<td>incidentScenario</td>
<td>body</td>
<td>n</td>
<td>The JSON representation of the updated incidentScenario.</td>
</tr>
</tbody>
</table>
Body:

{
  "incidentAction": "Update/Close/UpdateThenClose/CloseWithNotification/CloseWithoutNotification",
  "incidentName": "scenario1", /*optional, we will use scenario template name as default if not set*/
  "scenarioId": 175926155411457,
  "customScenario": 123, /*optional, added at 6.8.0. If the scenarioId and customScenarioId are both provided and the scenarioId is greater than 0, then the customScenarioId will be ignored and the scenarioId will be used. */
  "templateIds": [
    444206992588808,
    444206992588809
  ], /*optional*/
  "formVariables": [
    {
      "variableId": "444206992588802",
      "variableName": "textbox", /*optional*/
      "val": ["t1"]
    },
    {
      "variableId": "444206992588803",
      "variableName": "multiple selection",
      "val": ["m1", "m2", "m3"]
    }
  ] /*optional, not needed for launch by phone*/
}

Response:

{
  "message": "OK",
  "id": 175926155411502,
  "baseUri": "https://api-qa1.everbridge.net/api/incidentScenarios/448605039099942/"
  "instanceUri": "https://api-qa1.everbridge.net/api/incidents/448605039099942/175926155411501"
}
Response Subscription Profiles

This chapter provides information about the methods and operations you can use to launch and manage Response Subscription Profiles in Everbridge Suite Settings > Everbridge Open.

The following topics are covered:

♦ Introduction
  • Common Properties
♦ Profile Data Model
  • GET /profiles/{organizationId}
  • GET /profiles/{organizationId}/profileId
Introduction

Within a given data type, the format of the data returned in a GET is identical to the format expected in the body of a PUT or POST.

**TIP:** Given this equivalence of input and output format, the easiest way to build PUTs and POSTs is often to perform a GET from the same collection and tweak the returned JSON to create a new or updated object.

Common Properties

Most objects share some or all of these common properties that provide bookkeeping information about the object.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>createdId</td>
<td>number</td>
<td>The instanceId of the user who created this object.</td>
</tr>
<tr>
<td>createdName</td>
<td>text</td>
<td>The full name of the user who created this object.</td>
</tr>
<tr>
<td>createdDate</td>
<td>number</td>
<td>The GMT Unix epoch time this object was created.</td>
</tr>
<tr>
<td>lastModifiedId</td>
<td>number</td>
<td>The instanceId of the user who last modified this object.</td>
</tr>
<tr>
<td>lastModifiedName</td>
<td>text</td>
<td>The full name of the user who last modified this object.</td>
</tr>
<tr>
<td>lastModifiedDate</td>
<td>number</td>
<td>The GMT Unix epoch time this object was last modified.</td>
</tr>
<tr>
<td>id</td>
<td>number</td>
<td>The instanceId of this object.</td>
</tr>
<tr>
<td>organizationId</td>
<td>number</td>
<td>The organizationId of this object.</td>
</tr>
<tr>
<td>status</td>
<td>character</td>
<td>The status of the object. All records returned by the API should have a status of 'A' indicating that the record is active and has not been deleted. (Deleted records of any type are invisible to the API.)</td>
</tr>
</tbody>
</table>
Profile Data Model

The profiles collection is used for managing the Response Subscription Profiles found on the Settings tab > Everbridge Open > Response Subscriptions > Profiles.

```json
{
  "data": {
    "type": "profile",
    "createdDate": "2015-03-09T09:08:40Z",
    "createdId": 4402341478524,
    "createdName": "allen.lai",
    "id": "54fd6318e4b0c94ad0bab03a",
    "links": {
      "webhook": {
        "ids": [
          "54fd62f8e4b0c94ad0bab039"
        ],
        "type": "webhook"
      }
    },
    "name": "Facebook-Profile",
    "organizationId": 8800387990263,
    "status": "ACTIVE"
  },
  "linked": [
    {
      "type": "webhook",
      "basicAuth": {
        "userName": "mk"
      },
      "callbackFormat": "json",
      "callbackUrl": "http://www.facebook.com/data",
      "createdDate": "2015-03-09T09:08:08Z",
      "createdId": 4402341478524,
      "createdName": "allen.lai",
      "id": "54fd62f8e4b0c94ad0bab039",
      "name": "Facebook",
      "organizationId": 8800387990263,
      "status": "ACTIVE"
    }
  ]
}
```
GET /profiles/{organizationId}

**Description**
Retrieve all profiles in this organization.

**Return type**
[collection] of [profiles].

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Optional?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>url</td>
<td>n</td>
<td>The ID of the organization containing these profiles.</td>
</tr>
<tr>
<td>sort</td>
<td>query</td>
<td>y</td>
<td>Comma-delimited list of fields by which to sort.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>+/ can precede the field Name to indicate direction (ascending/descending).</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>+ is the default direction.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Ex. sort=name,-createdDate sorts by name ascending and createdDate descending.</td>
</tr>
<tr>
<td>pageSize</td>
<td>query</td>
<td>y</td>
<td>The number of records per page to be included in the response.</td>
</tr>
<tr>
<td>pageNo</td>
<td>query</td>
<td>y</td>
<td>The page to be returned.</td>
</tr>
</tbody>
</table>

GET /profiles/{organizationId}/profileId

**Description**
Retrieve a Profile by ID within an organization.

**Return type**
[profile] [instance]

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Optional?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>url</td>
<td>n</td>
<td>The ID of the organization containing the profile.</td>
</tr>
<tr>
<td>profileId</td>
<td>url</td>
<td>n</td>
<td>The ID of the Profile.</td>
</tr>
</tbody>
</table>
This chapter provides information about the methods and operations you can use to manage users, roles, and dynamic groups.

The following topics are covered:

- Introduction
  - Common Properties
  - User Data Model
- Users
  - DELETE /users/{userId}
  - PUT /users/{userId}
  - GET /users
  - POST /users
  - POST /users/{userId}/sendEmail
- Roles
  - Role Data Model
  - GET /roles/{organizationId}/{roleID}
  - GET /roles/{organizationId}
  - POST /roles/{organizationId}
  - PUT /roles/{organizationId}/{roleID}
  - DELETE /roles/{organizationId}/{roleID}
DynamicGroups

- ContactFilter Data Model
- GET /dynamicGroups/{organizationId}
- GET /dynamicGroups/{organizationId}/{contactFilterId}
Introduction

Within a given data type, the format of the data returned in a GET is identical to the format expected in the body of a PUT or POST.

**TIP:** Given this equivalence of input and output format, the easiest way to build PUTs and POSTs is often to perform a GET from the same collection and tweak the returned JSON to create a new or updated object.

Common Properties

Most objects share some or all of these common properties that provide bookkeeping information about the object.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>createdId</td>
<td>number</td>
<td>The instanceId of the user who created this object.</td>
</tr>
<tr>
<td>createdName</td>
<td>text</td>
<td>The full name of the user who created this object.</td>
</tr>
<tr>
<td>createdDate</td>
<td>number</td>
<td>The GMT Unix epoch time this object was created.</td>
</tr>
<tr>
<td>lastModifiedId</td>
<td>number</td>
<td>The instanceId of the user who last modified this object.</td>
</tr>
<tr>
<td>lastModifiedName</td>
<td>text</td>
<td>The full name of the user who last modified this object.</td>
</tr>
<tr>
<td>lastModifiedDate</td>
<td>number</td>
<td>The GMT Unix epoch time this object was last modified.</td>
</tr>
<tr>
<td>id</td>
<td>number</td>
<td>The instanceId of this object.</td>
</tr>
<tr>
<td>organizationId</td>
<td>number</td>
<td>The organizationId of this object.</td>
</tr>
<tr>
<td>status</td>
<td>character</td>
<td>The status of the object. All records returned by the API should have a status of ‘A’ indicating that the record is active and has not been deleted. (Deleted records of any type are invisible to the API.)</td>
</tr>
</tbody>
</table>
Users

User Data Model

The users collection is used for managing users for an account.

```json
{
   "id": 175926155411463,
   "owner": "QA Account",
   "firstName": "John", /* Required */
   "lastName": "Smith", /* Required */
   "middleName": "",
   "ssoUserId": "john.s@everbridge.com",
   "suffix": "II", /* Allowable values: I, II, Jr. and Sr. */
   "email": "john.s@everbridge.com", /* Required */
   "lastModifiedDateTime": 1435652650480,
   "lastModifiedName": "AccountYin",
   "lastModifiedProxyName": "",
   "lastLoginDate": 1364906985016,
   "roleIds": [
      8800387989508
   ],
   "defaultRoleId": 8800387989508,
   "userStatus": "Active"
}
```

DELETE /users/{userId}

Description

Delete a user from an account.

Return type

[update].

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Optional?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>userId</td>
<td>url</td>
<td>n</td>
<td>The ID of the user to delete.</td>
</tr>
</tbody>
</table>
PUT /users/{userId}

Description
Update a user for an account.

Return type
[update]

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Optional?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>userId</td>
<td>url</td>
<td>n</td>
<td>The ID of the user to update.</td>
</tr>
<tr>
<td>user</td>
<td>body</td>
<td>n</td>
<td>The JSON representation of the updated user.</td>
</tr>
</tbody>
</table>

Example

```
{
    "firstName": "test-firstName", /*Required*/
    "lastName": "test", /*Required*/
    "email": "test@163.com", /*Required*/
    "middleName": "M", /*Optional*/
    "suffix": "Sr.", /*Optional*/
    "contactId": 466197232014952, /*Optional*/
    "contactOrgId": 448605039100131, /*Optional*/
    "roleId": [444206992589446, 444206992589445], /*Optional*/
    "defaultRoleId": 444206992589446, /*Optional*/
    "ssoUserId": "TestSSOID" /*Optional*/
}
```
GET /users

Description
Retrieve all users for an account.

Return type
[user] [collection].

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Optional?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>pageNumber</td>
<td>query</td>
<td>y</td>
<td>The page number of users to return.</td>
</tr>
<tr>
<td>roleID</td>
<td>query</td>
<td>y</td>
<td>Filter users by roleID.</td>
</tr>
<tr>
<td>firstName</td>
<td>query</td>
<td>y</td>
<td>Filter users by firstName.</td>
</tr>
<tr>
<td>lastName</td>
<td>query</td>
<td>y</td>
<td>Filter users by lastName.</td>
</tr>
<tr>
<td>userStatus</td>
<td>query</td>
<td>y</td>
<td>Filter users by userStatus, allowable values: Active, Inactive, or NotRegistered</td>
</tr>
<tr>
<td>columnName</td>
<td>query</td>
<td>y</td>
<td>Sort users by column name, allowable values: firstName, lastName, or lastModifiedDate</td>
</tr>
<tr>
<td>orderDirection</td>
<td>query</td>
<td>y</td>
<td>Sort users by ASC or DESC.</td>
</tr>
</tbody>
</table>

POST /users

Description
Create a user for an account.

Return type
[update].

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Optional?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>user</td>
<td>body</td>
<td>n</td>
<td>The JSON representation of the created user.</td>
</tr>
</tbody>
</table>
Example

```
{
  "firstName": "test-firstName", /*Required*/
  "lastName": "test", /*Required*/
  "email": "test@163.com", /*Required*/
  "middlename": "M", /*Optional*/
  "suffix": "Sr.", /*Optional*/
  "contactId": 466197232014952, /*Optional*/
  "contactOrgId": 448605039100131, /*Optional*/
  "roleIds": [444206992589446, 444206992589445], /*Optional*/
  "defaultRoleId": 444206992589446, /*Optional*/
  "ssoUserId": "TestSSOID" /*Optional*/
}
```

**POST /users/{userId}/sendEmail**

**Description**

Send registration email for an unregistered user.

**Return type**

[update].

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Optional?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>userId</td>
<td>url</td>
<td>n</td>
<td>The user ID to send the registration email.</td>
</tr>
</tbody>
</table>
Roles

Role Data Model

The roles collection is used for managing roles for an organization.
Post or Put for GROUP_MANAGER:
{
   "id": 241896853078019,
   "roleTemplate": "GROUP_MANAGER", /* Required for POST and PUT. Allowable values: GROUP_MANAGER or DISPATCHER. */
   "name": "Group manager-A" /* Required */
   "roleDataScope": {
      /* Please specify either groupIds or dynamicGroupIds, or both. */

      "dynamicGroupIds": [
         241896853078098,
         241896853078099
      ],
      "groupIds": [
         241896853078061
      ],
   };
   "permissionScope": {
      "createEditDeleteSchedules": false,
      "viewDownloadAllContacts": false,
      "viewDownloadEditAllContacts": false,
      "createContacts": false,
      "deleteContacts": false,
      "createEditDeleteGroups": false,
      "addContactsToGroups": false,
      "moveRemoveContactsFromGroups": false,
      "onlyEditRulesWithSameRole": true
   }
}

POST or PUT for DISPATCHER:
{
   "id": 241896853078229,
   "roleTemplate": "DISPATCHER", /* Required for POST and PUT. Allowable values: GROUP_MANAGER or DISPATCHER. */
   "name": "DISPATCHER-A", /* Required */
   /*roleDataScope is optional, both of dynamicGroupIds and groupIds can be ignored. */
   "roleDataScope": {

   "dynamicGroupIds": [
      241896853078098,
      241896853078099
   ],

   };
}
"groupIds": [
  241896853078061
]
}
}

Retrieve MASS_NOTIFICATION_OPERATOR (GET only):
{
  "id": 241896853078119,
  "roleTemplate": "MASS_NOTIFICATION_OPERATOR",
  "name": "MASS_NOTIFICATION_OPERATOR-A",
  "roleDataScope": {
    "broadcastTemplateIds": [
      4402341478405
    ]
  }
}

Retrieve INCIDENT_OPERATOR (GET only):
{
  "id": 241896853078010,
  "roleTemplate": "INCIDENT_OPERATOR",
  "name": "INCIDENT_OPERATOR-A",
  "roleDataScope": {
    "incidentTemplateIds": [
      4402341478405
    ]
  }
}

Retrieve DATA_MANAGER (GET only):
{
  "id": 241896853078329,
  "roleTemplate": "DATA_MANAGER",
  "name": "DATA_MANAGER-A",
  "permissionScope": {
    "onlyEditRulesWithSameRole": true
  }
}

GET /roles/{organizationId}/{roleId}

**Description**

Get a role for an organization.

**Return type**

[role] [instance].

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Optional</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>url</td>
<td>n</td>
<td>The ID of the organization containing the role.</td>
</tr>
<tr>
<td>roleId</td>
<td>url</td>
<td>n</td>
<td>The ID of the role to return.</td>
</tr>
</tbody>
</table>

Retrieve INCIDENT_ADMIN (GET only):
{
  "id": 241896853078529,
  "roleTemplate": "INCIDENT_ADMIN",
  "name": "INCIDENT_ADMIN-A",
  "permissionScope": {
    "onlyEditRulesWithSameRole": false
  }
}

Retrieve ORGANIZATION_ADMIN (GET only):
{
  "id": 241896853078019,
  "roleTemplate": "ORGANIZATION_ADMIN",
  "name": "ORGANIZATION_ADMIN-A"
}

Retrieve ACCOUNT_ADMIN (GET only):
{
  "id": 241896853078989,
  "roleTemplate": "ACCOUNT_ADMIN",
  "name": "ACCOUNT_ADMIN-A"
}
GET /roles/{organizationId}

**Description**
Retrieve all roles for an organization.

**Return type**
[role] [collection].

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Optional?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>url</td>
<td>n</td>
<td>The ID of the organization. When this param is less than 1, return account admin role.</td>
</tr>
<tr>
<td>pageNumber</td>
<td>query</td>
<td>y</td>
<td>The page number of roles to return.</td>
</tr>
</tbody>
</table>

POST /roles/{organizationId}

**Description**
Create a role for an organization.

**Input type**
role.

**Return type**
[update].

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Optional?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>url</td>
<td>n</td>
<td>The ID of the organization.</td>
</tr>
<tr>
<td>role</td>
<td>body</td>
<td>n</td>
<td>The JSON representation of the created role.</td>
</tr>
</tbody>
</table>
PUT /roles/{organizationId}/{roleId}

Description
Update a user for an account.

Input type
role.

Return type
[update].

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Optional?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>url</td>
<td>n</td>
<td>The ID of the organization containing this role.</td>
</tr>
<tr>
<td>roleid</td>
<td>url</td>
<td>n</td>
<td>The role ID of the role to update.</td>
</tr>
<tr>
<td>role</td>
<td>body</td>
<td>n</td>
<td>The JSON representation of the updated role.</td>
</tr>
</tbody>
</table>
DELETE /roles/{organizationId}/{roleId}

**Description**
Delete a role from an organization.

**Return type**
[update].

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Optional?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>url</td>
<td>n</td>
<td>The ID of the organization containing this role.</td>
</tr>
<tr>
<td>roleId</td>
<td>url</td>
<td>n</td>
<td>The role ID of the role to delete.</td>
</tr>
</tbody>
</table>
DynamicGroups

The dynamicGroup collection is used for managing dynamicGroups for an organization.
Refer to the contactFilter collection (see Contact Filters on page 51).

ContactFilter Data Model

```
{
  "createdId": 0,
  "lastModifiedId": 0,
  "lastModifiedName": "Misher Yang",
  "lastModifiedDate": 1353345637473,
  "organizationId": 0,
  "id": 1464553783164930,
  "name": "Firstname contains Ryan",
  "contactFilterType": "DataScope",
  "contactFilterRules": [
    {
      "type": "SYSTEM",
      "contactFieldId": 1,
      "columnName": "firstName",
      "columnValue": "m",
      "dataType": "STRING",
      "contactFilterOption": "LIKE",
      "fieldName": "firstName",
      "fieldValue": "Ryan",
      "operator": "LIKE",
      "displayFieldName": "First Name",
      "showType": "TEXT",
      "searchName": "firstName"
    }
  ]
}
```

GET /dynamicGroups/{organizationId}

**Description**

Retrieve all contactFilters for an organization.

**Return type**

[contactFilter] [collection].
Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Optional?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>url</td>
<td>n</td>
<td>The ID of the organization.</td>
</tr>
<tr>
<td>pageNumber</td>
<td>query</td>
<td>y</td>
<td>The page number of contactFilters to return.</td>
</tr>
</tbody>
</table>

GET /dynamicGroups/{organizationId}/{contactFilterId}

Description
Get a contactFilter for an organization.

Return type
[contactFilter] [instance].

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Optional?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>url</td>
<td>n</td>
<td>The ID of the organization.</td>
</tr>
<tr>
<td>contactFilterId</td>
<td>url</td>
<td>n</td>
<td>The ID of the contactFilter to return.</td>
</tr>
</tbody>
</table>
Locations

This chapter provides information about the methods and operations you can use to manage Locations.

The following topics are covered:

◊ **Introduction**
  • Common Properties

◊ **DynamicLocations**
  • GET /dynamicLocations/{organizationId}/{uploadBatchId}
  • uploadBatch Data Model
  • POST /dynamicLocations/{organizationId}

◊ **Expected Locations**
  • Data Model
  • POST /expectedLocations/{organizationId}?contactIdType={idType}
  • POST /expectedLocations/{organizationId}/(contactId)?contactIdType={idType}
  • GET /expectedLocations/{organizationId}/(contactId)?contactIdType={idType}
  • GET /expectedLocations/{organizationId}/(contactId)/{expectedLocationId}?contactIdType={idType}
  • PUT /expectedLocations/{organizationId}/(contactId)/{expectedLocationId}?contactIdType={idType}
  • DELETE /expectedLocations/{organizationId}/(contactId)/{expectedLocationId}?contactIdType={idType}
Chapter 7 – Locations

◊ LocationSource
  • Location Source Data Model
  • GET /locationSource/[organizationId]/[locationId]
  • POST /locationSource/[organizationId]/BatchGet
  • GET /locationSource/[organizationId]?PNR={PNR}

◊ UploadDynamicLocations
  • GET /uploaddynamicLocations/[organizationId]/[uploadBatchId]

◊ Assets
  • GET /assets/[organizationId]
  • POST /assets/[organizationId]
  • GET /assets/[organizationId]/[id]
  • PUT /assets/[organizationId]/[id]
  • DELETE /assets/[organizationId]/[id]
  • POST /assets/[organizationId]/batch
Introduction

Within a given data type, the format of the data returned in a GET is identical to the format expected in the body of a PUT or POST.

**TIP:** Given this equivalence of input and output format, the easiest way to build PUTs and POSTs is often to perform a GET from the same collection and tweak the returned JSON to create a new or updated object.

Common Properties

Most objects share some or all of these common properties that provide bookkeeping information about the object.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>createdId</td>
<td>number</td>
<td>The instanceId of the user who created this object.</td>
</tr>
<tr>
<td>createdName</td>
<td>text</td>
<td>The full name of the user who created this object.</td>
</tr>
<tr>
<td>createdDate</td>
<td>number</td>
<td>The GMT Unix epoch time this object was created.</td>
</tr>
<tr>
<td>lastModifiedId</td>
<td>number</td>
<td>The instanceId of the user who last modified this object.</td>
</tr>
<tr>
<td>lastModifiedName</td>
<td>text</td>
<td>The full name of the user who last modified this object.</td>
</tr>
<tr>
<td>lastModifiedDate</td>
<td>number</td>
<td>The GMT Unix epoch time this object was last modified.</td>
</tr>
<tr>
<td>id</td>
<td>number</td>
<td>The instanceId of this object.</td>
</tr>
<tr>
<td>organizationId</td>
<td>number</td>
<td>The organizationId of this object.</td>
</tr>
<tr>
<td>status</td>
<td>character</td>
<td>The status of the object. All records returned by the API should have a status of 'A' indicating that the record is active and has not been deleted. (Deleted records of any type are invisible to the API.)</td>
</tr>
</tbody>
</table>
DynamicLocations

The dynamicLocation collection is used to collect locations by uploading the CSV file via API.

GET /dynamicLocations/{organizationId}/{uploadBatchId}

Description
Retrieves the specified uploadBatch within an organization and uploadBatchId.

Return type
[uploadBatch] [instance].

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Optional?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>url</td>
<td>n</td>
<td>The ID of the organization.</td>
</tr>
<tr>
<td>uploadBatchId</td>
<td>url</td>
<td>n</td>
<td>The ID of the uploadBatch to return.</td>
</tr>
</tbody>
</table>
uploadBatch Data Model

```json
{
    "id": 4402341478884,
    "fileName": "dynamicLocation_michael.csv",
    "fileSize": 300,
    "uploadStatus": "completed",
    "geoSuccessNum": 0,
    "geoFailNum": 0,
    "successNum": 1,
    "withErrorNum": 0,
    "criticalNum": 0,
    "source": "Api",
    "dataCenterId": 0,
    "chunkNum": 0,
    "geocodingType": "Bing",
    "serverId": 1,
    "organizationId": 888409690210681,
    "createdId": 444206992589913,
    "createdDate": 1456301929986,
    "createdName": "Michael He",
    "lastModifiedId": 444206992589913,
    "lastModifiedDate": 1456301934155,
    "lastModifiedName": "Michael He",
    "resourceBundleId": 0,
    "chunking": false
}
```
POST /dynamicLocations/{organizationId}

**Description**
Upload a CSV for batch processing.

**Return type**
[update]

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Optional?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>url</td>
<td>n</td>
<td>The ID of the organization.</td>
</tr>
<tr>
<td>file</td>
<td>body</td>
<td>n</td>
<td>A CSV contains dynamic locations to be uploaded.</td>
</tr>
<tr>
<td>uploadBatchType</td>
<td>query</td>
<td>y</td>
<td>Type of upload to perform, the default is Update.</td>
</tr>
</tbody>
</table>

**Example**

```bash
Curl -X POST -H "Authorization: Basic c2ltb25saXZINDUxdXNvcmdhZG1pbjoxcWF6iVFBWg=" -F "file=@D:\sample\dynamic_locations.csv" https://api.everbridge.net/rest/dynamicLocations/892807736723532?uploadBatchType=Update
```

The string "c2ltb25saXZINDUxdXNvcmdhZG1pbjoxcWF6iVFBWg=" is a Base64 encoded string for "username:password". Here is an online tool for converting your credentials into a Base64 encoded string: https://www.base64encode.org/

**Response:**

```json
{
  "message": "OK",
  "id": 4402341478884, /*uploadBatchId*/
  "baseUri": "https://api.everbridge.net/rest/dynamicLocations/888409690210681/",
  "instanceUri": "https://api.everbridge.net/rest/dynamicLocations/888409690210681/4402341478884"
}
```
## Expected Locations

### Data Model

#### Expected Location Object

<table>
<thead>
<tr>
<th>Field</th>
<th>Mandatory</th>
<th>Type</th>
<th>Default Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>id</td>
<td>Yes</td>
<td>long</td>
<td></td>
<td>The ID of the Expected Location</td>
</tr>
<tr>
<td>contactId</td>
<td>Yes if contactIDType=id</td>
<td>long</td>
<td></td>
<td>The ID of the contact</td>
</tr>
<tr>
<td>contactExternalId</td>
<td>Yes if contactIDType=externalId</td>
<td>long</td>
<td></td>
<td>The external ID of the contact</td>
</tr>
<tr>
<td>address</td>
<td>Yes</td>
<td>Address Object</td>
<td></td>
<td>Address</td>
</tr>
</tbody>
</table>

#### Address Object

<table>
<thead>
<tr>
<th>Field</th>
<th>Mandatory</th>
<th>Type</th>
<th>Default Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>arriveDate</td>
<td>Yes</td>
<td>date</td>
<td></td>
<td>Expected date of arrival</td>
</tr>
<tr>
<td>expireDate</td>
<td>Yes</td>
<td>date</td>
<td></td>
<td>Expected date of departure</td>
</tr>
<tr>
<td>assetExternalId</td>
<td>No</td>
<td>string</td>
<td></td>
<td>The external ID of the asset</td>
</tr>
<tr>
<td>iata</td>
<td>No</td>
<td>string</td>
<td></td>
<td>IATA code</td>
</tr>
<tr>
<td>locationName</td>
<td>No</td>
<td>string</td>
<td></td>
<td>The name of the location</td>
</tr>
<tr>
<td>suite</td>
<td>No</td>
<td>string</td>
<td></td>
<td></td>
</tr>
<tr>
<td>streetAddress</td>
<td>No</td>
<td>string</td>
<td></td>
<td></td>
</tr>
<tr>
<td>city</td>
<td>No</td>
<td>string</td>
<td></td>
<td></td>
</tr>
<tr>
<td>state</td>
<td>No</td>
<td>string</td>
<td></td>
<td></td>
</tr>
<tr>
<td>postalCode</td>
<td>No</td>
<td>string</td>
<td></td>
<td>ZIP code</td>
</tr>
<tr>
<td>country</td>
<td>No</td>
<td>string</td>
<td></td>
<td></td>
</tr>
<tr>
<td>gisLocation</td>
<td>No</td>
<td>GIS Location Object</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
GIS Location Object

<table>
<thead>
<tr>
<th>Field</th>
<th>Mandatory</th>
<th>Type</th>
<th>Default Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>lat</td>
<td>Yes</td>
<td>double</td>
<td></td>
<td>Latitude</td>
</tr>
<tr>
<td>lon</td>
<td>Yes</td>
<td>double</td>
<td></td>
<td>Longitude</td>
</tr>
</tbody>
</table>

POST /expectedLocations/
{organizationId}?contactIdType={idType}

Description
Create expected locations for a contact.

URL
/expectedLocations/{organizationId}?contactIdType={idType}

Method
POST

URL Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Mandatory</th>
<th>Type</th>
<th>Default Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>Yes</td>
<td>integer</td>
<td></td>
<td>Organization ID</td>
</tr>
</tbody>
</table>
| idType    | No        | string  | id            | ◊ id - Contact ID
|           |           |         | ◊ externalId - Contact External ID |
## Request Body

1. Link contact(s) to asset(s).

```json
[{
    "contactId": 1234567890123,
    "address": {
        "assetExternalId": "Apple-Park",
        "arriveDate": "2018-02-02T20:30:00Z",
        "expireDate": "2018-08-30T08:30:00Z"
    }
}, {
    "contactId": 9876543210987,
    "address": {
        "assetExternalId": "Apple-Campus",
        "arriveDate": "2018-01-01T01:00:00Z",
        "expireDate": "2018-12-31T23:00:00Z"
    }
}]
```

1.1 Link contact(s) to asset(s) using contact external ID.

```json
[{
    "contactExternalId": "Tim.Cook@apple.com",
    "address": {
        "assetExternalId": "Apple-Park",
        "arriveDate": "2018-02-02T20:30:00Z",
        "expireDate": "2018-08-30T08:30:00Z"
    }
}, {
    "contactExternalId": "Jonathan.Ive@apple.com",
    "address": {
        "assetExternalId": "Apple-Campus",
        "arriveDate": "2018-01-01T01:00:00Z",
        "expireDate": "2018-12-31T23:00:00Z"
    }
}]
```
2  Link contact(s) to airport(s) or railway station(s) based on the IATA code.

```json
[
  {
    "contactId": 1234567890123,
    "address": {
      "iata": "SFO",
      "arriveDate": "2018-02-02T20:30:00Z",
      "expireDate": "2018-02-03T08:00:00Z"
    }
  }, {
    "contactId": 9876543210987,
    "address": {
      "iata": "PEK",
      "arriveDate": "2018-02-03T22:00:00Z",
      "expireDate": "2018-02-04T06:00:00Z"
    }
  }
]
```

3  Link contact(s) to new address(es).

```json
[
  {
    "contactId": 1234567890123,
    "address": {
      "locationName": "Work",
      "streetAddress": "1 Apple Park Way",
      "city": "Cupertino",
      "state": "California",
      "country": "United States",
      "arriveDate": "2018-02-02T20:30:00Z",
      "expireDate": "2018-08-30T08:30:00Z"
    }
  }, {
    "contactId": 9876543210987,
    "address": {
      "locationName": "Work",
      "streetAddress": "1 Apple Park Way",
      "city": "Cupertino",
      "state": "California",
      "country": "United States",
      "arriveDate": "2018-01-01T01:00:00Z",
      "expireDate": "2018-12-31T23:00:00Z"
    }
  }
]
```
Request Body

4. Link contact(s) to different types of address(es).

```json
[
  {
    "contactId": 1234567890123,
    "address": {
      "assetExternalId": "Apple-Park",
      "arriveDate": "2018-02-02T20:30:00Z",
      "expireDate": "2018-08-30T08:30:00Z"
    }
  },
  {
    "contactId": 9876543210987,
    "address": {
      "iata": "PEK",
      "arriveDate": "2018-02-03T22:00:00Z",
      "expireDate": "2018-02-04T06:00:00Z"
    }
  },
  {
    "contactId": 9876543210987,
    "address": {
      "locationName": "Work",
      "streetAddress": "1 Apple Park Way",
      "city": "Cupertino",
      "state": "California",
      "country": "United States",
      "arriveDate": "2018-01-01T01:00:00Z",
      "expireDate": "2018-12-31T23:00:00Z"
    }
  }
]
```
## Responses

<table>
<thead>
<tr>
<th>Code</th>
<th>Response</th>
</tr>
</thead>
</table>
| 200  | ◊ The expected locations are all updated correctly.  
       |         |   
    |   | "message": "OK",  
    |   |   "code": 100  
  |     | ◊ The expected locations are partially updated correctly.  
      |         |   
    |   | "message": "OK",  
    |   |   "code": 200,  
    |   |   "data": [  
    |   |       "The [1] Invalid Iata."  
    |   | ]  
  |     | ◊ The expected locations failed to update.  
      |         |   
    |   | "message": "OK",  
    |   |   "code": 300,  
    |   |   "data": [  
    |   |       "The [1] Invalid AssetExternalId."  
    |   | ]  
  | 401  | ◊ Invalid credentials.  
      |         |   
    |   | "status": 401,  
    |   |   "message": "Invalid credentials: Password invalid"  
  |     | ◊ Invalid organization or user does not have access to the organization.  
      |         |   
    |   | "status": 401,  
    |   |   "message": "Org 123 not accessible to this user, or does not exist."  

POST /expectedLocations/{organizationId}/
{contactId}?contactIdType={idType}

Description
Create a new expected location.

URL
/post /expectedLocations/{organizationId}/{contactId}?contactIdType={idType}

Method
POST

RequestHeader

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Mandatory</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Authorization</td>
<td>Yes</td>
<td>Authorization</td>
</tr>
</tbody>
</table>

URL Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Mandatory</th>
<th>Type</th>
<th>Default Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>Yes</td>
<td></td>
<td></td>
<td>Organization ID</td>
</tr>
<tr>
<td>contactId</td>
<td>Yes</td>
<td></td>
<td>contactId</td>
<td></td>
</tr>
<tr>
<td>contactIdType</td>
<td>No</td>
<td></td>
<td></td>
<td>The ID used to identify contact.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>◦ id - Contact ID</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>◦ externalId - Contact External ID</td>
</tr>
</tbody>
</table>
Request Body

1. Link contact(s) expected location(s) to asset(s).
   
   ```json
   {
     "assetExternalId": "BJ",
     "arriveDate": "2018-07-27T20:30:00Z",
     "expireDate": "2018-08-30T08:30:00Z"
   }
   ```

2. Link contact(s) expected location(s) to airport(s) or railway station(s) base on IATA code.
   
   ```json
   {
     "iata": "SFO",
     "arriveDate": "2018-02-02T20:30:00Z",
     "expireDate": "2018-02-03T08:00:00Z"
   }
   ```

3. Link contact(s) expected location(s) to new address(es).
   
   ```json
   {
     "locationName": "Work",
     "streetAddress": "1 Apple Park Way",
     "city": "Cupertino",
     "state": "California",
     "country": "United States",
     "arriveDate": "2018-02-02T20:30:00Z",
     "expireDate": "2018-08-30T08:30:00Z"
   }
   ```

Responses

<table>
<thead>
<tr>
<th>Code</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>200 OK</td>
<td>✪ Response Successfully. The expected locations are all created correctly.</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
</tbody>
</table>
|        |   "message": "OK",
|        |     "id": 470595271655441,
|        |     "baseUri": "/expectedLocations/1328214341321438/281671063234",
|        |     "instanceUri": "/expectedLocations/1328214341321438/2816710632347/470595271655441"
|        | }                                                                                                  |
Code | Response
--- | ---
400 Bad Request | ◇ Contact ID is not long number when the contactIdType is id.  
  RequestBody:  
  URL: /expectedLocations/1328214341321438/contact_test?contactIdType=id  
  ResponseBody:  
  ```json  
  {  
    "status": 400,  
    "message": "Invalid contact ID, contact_test."  
  }  
  ```

  ◇ Organization id is not long number.  
  RequestBody:  
  URL: /expectedLocations/1328214341321438organization_test/523123213  
  ResponseBody:  
  ```json  
  {  
    "status": 400,  
    "message": "Type mismatch exception."  
  }  
  ```

  ◇ Invalid AssetExternalId  
  RequestBody:  
  ```json  
  {  
    "assetExternalId": "SH",  
    "arriveDate": "2018-07-27T20:30:00Z",  
    "expireDate": "2018-08-30T08:30:00Z"  
  }  
  ```  
  ResponseBody:  
  ```json  
  {  
    "status": 400,  
    "message": "Invalid assetExternalId."  
  }  
  ```  
  RequestBody:  
  ```json  
  {  
    "assetExternalId": ",  
    "arriveDate": "2018-07-27T20:30:00Z",  
    "expireDate": "2018-08-30T08:30:00Z"  
  }  
  ```  
  ResponseBody:  
  ```json  
  {  
    "status": 400,  
    "message": "The streetAddress can not be blank."  
  }  
  ```
<table>
<thead>
<tr>
<th>Code</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>Invalid IATA</td>
<td><strong>NOTE:</strong> The IATA ID is incorrect.</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;iata&quot;: &quot;SFO-TEST&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;arriveDate&quot;: &quot;2018-02-02T20:30:00Z&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;expireDate&quot;: &quot;2018-02-03T08:00:00Z&quot;</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
<tr>
<td></td>
<td><strong>ResponseBody:</strong></td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;status&quot;: 400,</td>
</tr>
<tr>
<td></td>
<td>&quot;message&quot;: &quot;Invalid iata.&quot;</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
<tr>
<td></td>
<td><strong>RequestBody:</strong></td>
</tr>
<tr>
<td></td>
<td><strong>NOTE:</strong> The IATA ID is empty.</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;iata&quot;: &quot;&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;arriveDate&quot;: &quot;2018-02-02T20:30:00Z&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;expireDate&quot;: &quot;2018-02-03T08:00:00Z&quot;</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
<tr>
<td></td>
<td><strong>ResponseBody:</strong></td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;status&quot;: 400,</td>
</tr>
<tr>
<td></td>
<td>&quot;message&quot;: &quot;The streetAddress can not be blank.&quot;</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
<tr>
<td>RequestBody is Empty</td>
<td><strong>RequestBody:</strong></td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
<tr>
<td></td>
<td><strong>ResponseBody:</strong></td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;status&quot;: 400,</td>
</tr>
<tr>
<td></td>
<td>&quot;message&quot;: &quot;The streetAddress can not be blank.&quot;</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
<tr>
<td>Validation Failed</td>
<td><strong>RequestBody:</strong></td>
</tr>
<tr>
<td></td>
<td><strong>NOTE:</strong> The IATA ID is empty.</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;locationName&quot;: &quot;Work&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;streetAddress&quot;: &quot;1 Apple Park Way&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;city&quot;: &quot;Cupertino&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;state&quot;: &quot;California&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;country&quot;: &quot;United States&quot;</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
<tr>
<td>Code</td>
<td>Response</td>
</tr>
<tr>
<td>-----------------</td>
<td>------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td></td>
<td>ResponseBody:</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;status&quot;: 400,</td>
</tr>
<tr>
<td></td>
<td>&quot;message&quot;: &quot;date is null&quot;</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
<tr>
<td></td>
<td><strong>NOTE:</strong> The other fields are the same. If the locationName is missing, the message of the response body will be &quot;The locationName cannot be blank&quot;.</td>
</tr>
<tr>
<td>401 Unauthorized</td>
<td>◊ Require REST API Access.</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;status&quot;: 401,</td>
</tr>
<tr>
<td></td>
<td>&quot;message&quot;: &quot;User does not have API permissions for this method&quot;</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
<tr>
<td></td>
<td>◊ User has no access to the organization.</td>
</tr>
<tr>
<td></td>
<td>RequestBody:</td>
</tr>
<tr>
<td></td>
<td>URL: /expectedLocations/1328214341320709/444206992588829 user is org1-test2</td>
</tr>
<tr>
<td></td>
<td>ResponseBody:</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;status&quot;: 401,</td>
</tr>
<tr>
<td></td>
<td>&quot;message&quot;: &quot;Org 1328214341320709 not accessible to this user, or does not exist.&quot;</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
<tr>
<td></td>
<td>◊ Contact is not in a group that is accessible to its group leader.</td>
</tr>
<tr>
<td></td>
<td>RequestBody:</td>
</tr>
<tr>
<td></td>
<td>URL: tracyDev2_gm</td>
</tr>
<tr>
<td></td>
<td>ResponseBody:</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;status&quot;: 401,</td>
</tr>
<tr>
<td></td>
<td>&quot;message&quot;: &quot;Contact is not in a group accessible to this group leader.&quot;</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
</tbody>
</table>
### Code 404 Request Not Found

- **Resource not found.**

  **RequestBody:**
  
  URL: /expectedLocations/1328214341321438/281616710632345

  **ResponseBody:**
  
  ```json
  {
    "status": 404,
    "message": "Contact (ID = 281616710632345) is not found."
  }
  ```

  **RequestBody:**
  
  URL: /expectedLocations/123456789/281616710632345

  **ResponseBody:**
  
  ```json
  {
    "status": 404,
    "message": "organization (ID = 123456789) is not found."
  }
  ```
GET /expectedLocations/{organizationId}/
{contactId}?contactIdType={idType}

Description
Get Expected Locations.

URL
/expectedLocations/{organizationId}/[contactId]?contactIdType={idType}

Method
GET

Request Header

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Mandatory</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Authorization</td>
<td>Yes</td>
<td>Authorization</td>
</tr>
</tbody>
</table>

URL Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Mandatory</th>
<th>Type</th>
<th>Default Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>Yes</td>
<td></td>
<td></td>
<td>Organization ID</td>
</tr>
<tr>
<td>contactId</td>
<td>Yes</td>
<td></td>
<td></td>
<td>contactId</td>
</tr>
<tr>
<td>contactIdType</td>
<td>No</td>
<td></td>
<td></td>
<td>The ID used to identify the contact.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• id - Contact ID</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• externalId - Contact External ID</td>
</tr>
</tbody>
</table>

Responses
<table>
<thead>
<tr>
<th>Code</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>200 OK</td>
<td>Response Successfully.</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;message&quot;: &quot;OK&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;result&quot;: [</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;id&quot;: 4705952716555436,</td>
</tr>
<tr>
<td></td>
<td>&quot;contactId&quot;: 281616710632347,</td>
</tr>
<tr>
<td></td>
<td>&quot;contactExternalId&quot;: &quot;<a href="mailto:scott.wang@everbridge.com">scott.wang@everbridge.com</a>&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;address&quot;: {</td>
</tr>
<tr>
<td></td>
<td>&quot;streetAddress&quot;: &quot;1 Apple Park Way&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;state&quot;: &quot;California&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;locationName&quot;: &quot;Work&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;gisLocation&quot;: {</td>
</tr>
<tr>
<td></td>
<td>&quot;lon&quot;: -121.372550464062,</td>
</tr>
<tr>
<td></td>
<td>&quot;lat&quot;: 38.3967340305652</td>
</tr>
<tr>
<td></td>
<td>},</td>
</tr>
<tr>
<td></td>
<td>&quot;country&quot;: &quot;United States&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;city&quot;: &quot;Cupertino&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;locationId&quot;: 0,</td>
</tr>
<tr>
<td></td>
<td>&quot;arriveDate&quot;: 1517603400000,</td>
</tr>
<tr>
<td></td>
<td>&quot;expireDate&quot;: 1535617800000,</td>
</tr>
<tr>
<td></td>
<td>&quot;locationSource&quot;: &quot;Api&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;locationSourceId&quot;: 0</td>
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<tr>
<td></td>
<td>},</td>
</tr>
<tr>
<td></td>
<td>},</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;id&quot;: 4705952716555440,</td>
</tr>
<tr>
<td></td>
<td>&quot;contactId&quot;: 281616710632347,</td>
</tr>
<tr>
<td></td>
<td>&quot;contactExternalId&quot;: &quot;<a href="mailto:scott.wang@everbridge.com">scott.wang@everbridge.com</a>&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;address&quot;: {</td>
</tr>
<tr>
<td></td>
<td>&quot;streetAddress&quot;: &quot;San Francisco International Apt&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;state&quot;: &quot;CA&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;locationName&quot;: &quot;San Francisco International Apt&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;gisLocation&quot;: {</td>
</tr>
<tr>
<td></td>
<td>&quot;lon&quot;: -122.39166666666668,</td>
</tr>
<tr>
<td></td>
<td>&quot;lat&quot;: 37.61888888888889</td>
</tr>
<tr>
<td></td>
<td>},</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
</tbody>
</table>
400 Bad Request

- Contact ID is not long number when the contactIdType is id.
  RequestBody:
  URL: /expectedLocations/1328214341321438/contact_test?contactIdType=id

  ResponseBody:
  {
    "status": 400,
    "message": "Invalid contact ID, contact_test."
  }

- Organization id is not long number.
  RequestBody:
  URL: /expectedLocations/1328214341321438/organization_test/523123213

  ResponseBody:
  {
    "status": 400,
    "message": "Type mismatch exception."
  }
### Chapter 7 – Locations

<table>
<thead>
<tr>
<th>Code</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>401 Unauthorized</td>
<td>◊ Require REST API Access.</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;status&quot;: 401,</td>
</tr>
<tr>
<td></td>
<td>&quot;message&quot;: &quot;User does not have API permissions for this method&quot;</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
<tr>
<td></td>
<td>◊ User has no access to the organization.</td>
</tr>
<tr>
<td></td>
<td>RequestBody:</td>
</tr>
<tr>
<td></td>
<td>URL: /expectedLocations/1328214341320709/444206992588829 user is org1-test2</td>
</tr>
<tr>
<td></td>
<td>ResponseBody:</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;status&quot;: 401,</td>
</tr>
<tr>
<td></td>
<td>&quot;message&quot;: &quot;Org 1328214341320709 not accessible to this user, or does not exist.&quot;</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
<tr>
<td></td>
<td>◊ Contact is not in a group that is accessible to its group leader.</td>
</tr>
<tr>
<td></td>
<td>RequestBody:</td>
</tr>
<tr>
<td></td>
<td>URL: tracyDev2_gm</td>
</tr>
<tr>
<td></td>
<td>ResponseBody:</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;status&quot;: 401,</td>
</tr>
<tr>
<td></td>
<td>&quot;message&quot;: &quot;Contact is not in a group accessible to this group leader.&quot;</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
<tr>
<td>404 Not Found</td>
<td>◊ Resource not found.</td>
</tr>
<tr>
<td></td>
<td>RequestBody:</td>
</tr>
<tr>
<td></td>
<td>URL: /expectedLocations/1328214341321438/281616710632345</td>
</tr>
<tr>
<td></td>
<td>ResponseBody:</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;status&quot;: 404,</td>
</tr>
<tr>
<td></td>
<td>&quot;message&quot;: &quot;Contact (ID = 281616710632345) is not found.&quot;</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
<tr>
<td></td>
<td>RequestBody:</td>
</tr>
<tr>
<td></td>
<td>URL: /expectedLocations/123456789/281616710632345</td>
</tr>
<tr>
<td></td>
<td>ResponseBody:</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;status&quot;: 404,</td>
</tr>
<tr>
<td></td>
<td>&quot;message&quot;: &quot;organization (ID = 123456789) is not found.&quot;</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
</tbody>
</table>
GET /expectedLocations/{organizationId}/{contactId}/
{expectedLocationId}?contactIdType={idType}

Description
Get an Expected Location by Expected Location ID.

URL
/expectedLocations/{organizationId}/{contactId}/
{expectedLocationId}?contactIdType={idType}

Method
GET

Request Header

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Mandatory</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Authorization</td>
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</tr>
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</table>

URL Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Mandatory</th>
<th>Type</th>
<th>Default Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>Yes</td>
<td></td>
<td></td>
<td>Organization ID</td>
</tr>
<tr>
<td>contactId</td>
<td>Yes</td>
<td>contactId</td>
<td></td>
<td></td>
</tr>
<tr>
<td>expectedLocationId</td>
<td>Yes</td>
<td>expectedLocationId</td>
<td></td>
<td></td>
</tr>
<tr>
<td>contactIdType</td>
<td>No</td>
<td></td>
<td></td>
<td>The ID used to identify the contact.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>id</td>
<td>id</td>
<td>Contact ID</td>
</tr>
<tr>
<td></td>
<td></td>
<td>externalId</td>
<td>externalId</td>
<td>Contact External ID</td>
</tr>
</tbody>
</table>

Responses
### Code 200 OK

Response Successfully.

```json
{
   "message": "OK",
   "result": {
      "id": 470595271655440,
      "contactId": 281616710632347,
      "contactExternalId": "scott.wang@everbridge.com",
      "address": {
         "streetAddress": "San Francisco International Apt",
         "state": "CA",
         "locationName": "San Francisco International Apt",
         "gisLocation": {
            "lon": -122.39166666666668,
            "lat": 37.61888888888889
         },
         "country": "US",
         "city": "San Francisco",
         "locationId": 0,
         "iata": "SFO",
         "arriveDate": 1517603400000,
         "expireDate": 1535617800000,
         "locationSource": "Api",
         "locationSourceId": 0
      }
   }
}
```

**NOTE:** If we create a new address when we save an expected location, the fields "assetExternalId" and "iata" will not be displayed.

### Code 400 Bad Request

Contact ID is not long number when the contactIdType is id.

**RequestBody:**

`URL: /expectedLocations/1328214341321438/contact_test?contactIdType=id`

**ResponseBody:**

```json
{
   "status": 400,
   "message": "Invalid contact ID, contact_test."
}
```

Organization id is not long number.

**RequestBody:**

`URL: /expectedLocations/1328214341321438/organization_test/523123213`

**ResponseBody:**

```json
{
   "status": 400,
   "message": "Type mismatch exception."
}
```
<table>
<thead>
<tr>
<th>Code</th>
<th>Response</th>
</tr>
</thead>
</table>
| **401 Unauthorized** | ◊ Require REST API Access  
|                  |   
|                  |     {  
|                  |       "status": 401,  
|                  |       "message": "User does not have API permissions for this method"  
|                  |   }  
|                  | ◊ User has no access to the organization.  
|                  |     RequestBody:  
|                  |       URL: /expectedLocations/1328214341320709/444206992588829 user is org1-test2  
|                  |       ResponseBody:  
|                  |         {  
|                  |           "status": 401,  
|                  |           "message": "Org 1328214341320709 not accessible to this user, or does not exist."  
|                  |         }  
|                  | ◊ Contact is not in a group that is accessible to its group leader.  
|                  |     RequestBody:  
|                  |       URL: tracyDev2_gm  
|                  |       ResponseBody:  
|                  |         {  
|                  |           "status": 401,  
|                  |           "message": "Contact is not in a group accessible to this group leader."  
|                  |         }  
| **404 Not Found** | ◊ Resource not found.  
|                  |     RequestBody:  
|                  |       URL: /expectedLocations/1328214341321438/281616710632345  
|                  |       ResponseBody:  
|                  |         {  
|                  |           "status": 404,  
|                  |           "message": "Contact (ID = 281616710632345) is not found."  
|                  |         }  
|                  |     RequestBody:  
|                  |       URL: /expectedLocations/123456789/281616710632345  
|                  |       ResponseBody:  
|                  |         {  
|                  |           "status": 404,  
|                  |           "message": "organization (ID = 123456789) is not found."  
|                  |         }  
|
PUT /expectedLocations/{organizationId}/{contactId}/
{expectedLocationId}?contactIdType={idType}

Description
Update an expected location.

URL
/expectedLocations/{organizationId}/{contactId}/
{expectedLocationId}?contactIdType={idType}

Method
PUT

RequestHeader

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Mandatory</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Authorization</td>
<td>Yes</td>
<td></td>
<td>Authorization</td>
</tr>
</tbody>
</table>

URL Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Mandatory</th>
<th>Type</th>
<th>Default Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>Yes</td>
<td></td>
<td></td>
<td>Organization ID</td>
</tr>
<tr>
<td>contactId</td>
<td>Yes</td>
<td></td>
<td></td>
<td>contactId</td>
</tr>
<tr>
<td>expectedLocationId</td>
<td>Yes</td>
<td></td>
<td></td>
<td>expectedLocation ID</td>
</tr>
<tr>
<td>contactIdType</td>
<td>No</td>
<td></td>
<td></td>
<td>The ID used to identify contact.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>◊ id - Contact ID</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>◊ externalId - Contact External ID</td>
</tr>
</tbody>
</table>
### Request Body

1. **Update in the case of the Link contact(s) expected location(s) to asset(s).**
   ```json
   { 
   "assetExternalId": "SUBWAY STATION",
   "arriveDate": "2018-02-02T20:30:00Z",
   "expireDate": "2018-08-30T08:30:00Z"
   }
   ```

2. **Update in the case of the link contact(s) expected location(s) to airport(s) or railway station(s) based on IATA code.**
   ```json
   { 
   "iata": "SFO",
   "arriveDate": "2018-02-02T20:30:00Z",
   "expireDate": "2018-02-03T08:00:00Z"
   }
   ```

3. **Update in the case of the link contact(s) expected location(s) to new address(es).**
   ```json
   { 
   "locationName": "Work",
   "streetAddress": "1 Apple Park Way",
   "city": "Cupertino",
   "state": "California",
   "country": "United States",
   "arriveDate": "2018-02-02T20:30:00Z",
   "expireDate": "2018-08-30T08:30:00Z"
   }
   ```

### Responses

<table>
<thead>
<tr>
<th>Code</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>200 OK</td>
<td>✤ Response Successfully.</td>
</tr>
</tbody>
</table>

```json
{ 
 "message": "OK",
 "id": 470595271655440, 
 "baseUri": "/expectedLocations/1328214341321438/281616710632347/47059527165544", 
 "instanceUri": "/expectedLocations/1328214341321438/281616710632347/470595271655440"
}
```
### Code | Response
--- | ---
400 Bad Request | ◊ Contact ID is not long number when the contactIdType is id.  
  RequestBody:  
  URL: /expectedLocations/1328214341321438/contact_test?contactIdType=id  
  ResponseBody:  
  ```json  
  {  
    "status": 400,  
    "message": "Invalid contact ID, contact_test."  
  }  
  ◊ Organization id is not long number.  
  RequestBody:  
  URL: /expectedLocations/1328214341321438/organization_test/523123213  
  ResponseBody:  
  ```json  
  {  
    "status": 400,  
    "message": "Type mismatch exception."  
  }  
  ◊ Invalid AssetExternalId  
  RequestBody:  
  **NOTE:** The assetExternalId is correct.  
  ```json  
  {  
    "assetExternalId": "SH",  
    "arriveDate": "2018-07-27T20:30:00Z",  
    "expireDate": "2018-08-30T08:30:00Z"  
  }  
  ResponseBody:  
  ```json  
  {  
    "status": 400,  
    "message": "Invalid assetExternalId."  
  }  
  **NOTE:** The assetExternalId is empty.  
  ```json  
  {  
    "assetExternalId": ",",  
    "arriveDate": "2018-07-27T20:30:00Z",  
    "expireDate": "2018-08-30T08:30:00Z"  
  }  
  ResponseBody:  
  ```json  
  {  
    "status": 400,  
    "message": "The streetAddress can not be blank."  
  }  
  ```
<table>
<thead>
<tr>
<th>Code</th>
<th>Response</th>
</tr>
</thead>
</table>
| ❗️ Invalid IATA  
RequestBody:  
NOTE: The IATA ID is incorrect.  
{
  "iata": "SFO-TEST",
  "arriveDate": "2018-02-02T20:30:00Z",
  "expireDate": "2018-02-03T08:00:00Z"
}  
ResponseBody:  
{
  "status": 400,
  "message": "Invalid iata."
}  
RequestBody:  
NOTE: The IATA ID is empty.  
{
  "iata": "",
  "arriveDate": "2018-02-02T20:30:00Z",
  "expireDate": "2018-02-03T08:00:00Z"
}  
ResponseBody:  
{
  "status": 400,
  "message": "The streetAddress can not be blank."
}  
| ❗️ RequestBody is Empty  
RequestBody:  
{}  
ResponseBody:  
{
  "status": 400,
  "message": "The streetAddress can not be blank."
}  
| ❗️ Validation Failed  
RequestBody:  
{
  "locationName": "Work",
  "streetAddress": "1 Apple Park Way",
  "city": "Cupertino",
  "state": "California",
  "country": "United States"
}
### Code Response

<table>
<thead>
<tr>
<th>Code</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>401 Unauthorized</td>
<td>- Require REST API Access.</td>
</tr>
<tr>
<td></td>
<td>- &quot;status&quot;: 401,</td>
</tr>
<tr>
<td></td>
<td>&quot;message&quot;: &quot;User does not have API permissions for this method&quot;</td>
</tr>
<tr>
<td></td>
<td>- User has no access to the organization.</td>
</tr>
<tr>
<td></td>
<td>- RequestBody:</td>
</tr>
<tr>
<td></td>
<td>- URL: /expectedLocations/1328214341320709/444206992588829 user is org1-test2</td>
</tr>
<tr>
<td></td>
<td>- ResponseBody:</td>
</tr>
<tr>
<td></td>
<td>- &quot;status&quot;: 401,</td>
</tr>
<tr>
<td></td>
<td>&quot;message&quot;: &quot;Org 1328214341320709 not accessible to this user, or does not exist.&quot;</td>
</tr>
<tr>
<td></td>
<td>- Contact is not in a group that is accessible to its group leader.</td>
</tr>
<tr>
<td></td>
<td>- RequestBody:</td>
</tr>
<tr>
<td></td>
<td>- URL: tracyDev2_gm</td>
</tr>
<tr>
<td></td>
<td>- ResponseBody:</td>
</tr>
<tr>
<td></td>
<td>- &quot;status&quot;: 401,</td>
</tr>
<tr>
<td></td>
<td>&quot;message&quot;: &quot;Contact is not in a group accessible to this group leader.&quot;</td>
</tr>
</tbody>
</table>

**NOTE:** The other fields are the same. If the locationName is missing, the message of the response body will be "The locationName cannot be blank".
<table>
<thead>
<tr>
<th>Code</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>404 Request Not Found</td>
<td>◊ Resource not found.</td>
</tr>
<tr>
<td></td>
<td>RequestBody:</td>
</tr>
<tr>
<td></td>
<td>URL: /expectedLocations/1328214341321438/281616710632345</td>
</tr>
<tr>
<td></td>
<td>ResponseBody:</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;status&quot;: 404,</td>
</tr>
<tr>
<td></td>
<td>&quot;message&quot;: &quot;Contact (ID = 281616710632345) is not found.&quot;</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
<tr>
<td></td>
<td>RequestBody:</td>
</tr>
<tr>
<td></td>
<td>URL: /expectedLocations/1328214341321438/281616710632347/47059527165542712</td>
</tr>
<tr>
<td></td>
<td>RequestBody:</td>
</tr>
<tr>
<td></td>
<td>URL: /expectedLocations/123456789/281616710632345</td>
</tr>
<tr>
<td></td>
<td>RequestBody:</td>
</tr>
<tr>
<td></td>
<td>URL: /expectedLocations/123456789/281616710632345</td>
</tr>
<tr>
<td></td>
<td>ResponseBody:</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;status&quot;: 404,</td>
</tr>
<tr>
<td></td>
<td>&quot;message&quot;: &quot;The expected location (ID = 47059527165542712) of contact (ID = 281616710632347) is not found.&quot;</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
<tr>
<td></td>
<td>RequestBody:</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;status&quot;: 404,</td>
</tr>
<tr>
<td></td>
<td>&quot;message&quot;: &quot;organization (ID = 123456789) is not found.&quot;</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
</tbody>
</table>
DELETE /expectedLocations/{organizationId}/[contactId]/
{expectedLocationId}?contactIdType={idType}

Description
Delete Expected Locations.

URL
/expectedLocations/{organizationId}/[contactId]/
{expectedLocationId}?contactIdType={idType}

Method
DELETE

Request Header

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Mandatory</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Authorization</td>
<td>Yes</td>
<td>Authorization</td>
</tr>
</tbody>
</table>

URL Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Mandatory</th>
<th>Type</th>
<th>Default Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>Yes</td>
<td></td>
<td></td>
<td>Organization ID</td>
</tr>
<tr>
<td>contactId</td>
<td>Yes</td>
<td></td>
<td></td>
<td>contactId</td>
</tr>
<tr>
<td>expectedLocationId</td>
<td>Yes</td>
<td></td>
<td></td>
<td>expectedLocation ID</td>
</tr>
<tr>
<td>contactIdType</td>
<td>No</td>
<td></td>
<td></td>
<td>The ID used to identify the contact.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>◦ id - Contact ID</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>◦ externalId - Contact External ID</td>
</tr>
</tbody>
</table>
## Responses

<table>
<thead>
<tr>
<th>Code</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>200 OK</td>
<td>Response Successfully.</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;message&quot;: &quot;OK&quot;</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
<tr>
<td>400 Bad Request</td>
<td>Contact ID is not long number when the contactIdType is id.</td>
</tr>
<tr>
<td></td>
<td>RequestBody:</td>
</tr>
<tr>
<td></td>
<td>URL: /expectedLocations/1328214341321438/contact_test?contactIdType=id</td>
</tr>
<tr>
<td></td>
<td>ResponseBody:</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;status&quot;: 400,</td>
</tr>
<tr>
<td></td>
<td>&quot;message&quot;: &quot;Invalid contact ID, contact_test.&quot;</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
<tr>
<td></td>
<td>° Organization id is not long number.</td>
</tr>
<tr>
<td></td>
<td>RequestBody:</td>
</tr>
<tr>
<td></td>
<td>URL: /expectedLocations/1328214341321438/organization_test/523123213</td>
</tr>
<tr>
<td></td>
<td>ResponseBody:</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;status&quot;: 400,</td>
</tr>
<tr>
<td></td>
<td>&quot;message&quot;: &quot;Type mismatch exception.&quot;</td>
</tr>
<tr>
<td>Code</td>
<td>Response</td>
</tr>
<tr>
<td>---------------------</td>
<td>--------------------------------------------------------------------------</td>
</tr>
<tr>
<td>401 Unauthorized</td>
<td>◊ Require REST API Access.</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;status&quot;: 401,</td>
</tr>
<tr>
<td></td>
<td>&quot;message&quot;: &quot;User does not have API permissions for this method&quot;</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
</tbody>
</table>

◊ User has no access to the organization.

RequestBody:
URL: /expectedLocations/1328214341320709/444206992388829 user is org1-test2

ResponseBody:
{
   "status": 401,
   "message": "Org 1328214341320709 not accessible to this user, or does not exist."
}

◊ Contact is not in a group that is accessible to its group leader.

RequestBody:
URL: tracyDev2_gm

ResponseBody:
{
   "status": 401,
   "message": "Contact is not in a group accessible to this group leader."
}
<table>
<thead>
<tr>
<th>Code</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>404 Not Found</td>
<td>◊ Resource not found.</td>
</tr>
<tr>
<td></td>
<td>RequestBody:</td>
</tr>
<tr>
<td></td>
<td>URL: /expectedLocations/132814341321438/281616710632345/470595271655427</td>
</tr>
<tr>
<td></td>
<td>ResponseBody:</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;status&quot;: 404,</td>
</tr>
<tr>
<td></td>
<td>&quot;message&quot;: &quot;Contact (ID = 281616710632345) is not found.&quot;</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
<tr>
<td></td>
<td>RequestBody:</td>
</tr>
<tr>
<td></td>
<td>URL: /expectedLocations/132814341321438/281616710632347/47059527165542712</td>
</tr>
<tr>
<td></td>
<td>ResponseBody:</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;status&quot;: 404,</td>
</tr>
<tr>
<td></td>
<td>&quot;message&quot;: &quot;The expected location (ID = 47059527165542712) of contact (ID = 281616710632347) is not found.&quot;</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
<tr>
<td></td>
<td>RequestBody:</td>
</tr>
<tr>
<td></td>
<td>URL: /expectedLocations/132814341321438/281616710632347/47059527165542712</td>
</tr>
<tr>
<td></td>
<td>ResponseBody:</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;status&quot;: 404,</td>
</tr>
<tr>
<td></td>
<td>&quot;message&quot;: &quot;organization (ID = 123456789) is not found.&quot;</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
</tbody>
</table>
### Location Source Data Model

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Example</th>
<th>Data Sources</th>
<th>International SOS</th>
<th>SAP Concur</th>
<th>WorldAware (FKA iJet)</th>
<th>Magnatech</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>Organization ID</td>
<td>9006378925988111</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>locationIds</td>
<td>Location IDs</td>
<td>[9003630136944272, 9003630136944273]</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>type</td>
<td>Location source types:</td>
<td>Air</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td></td>
<td>Air</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Rail</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Car</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Hotel</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>source</td>
<td>Location sources:</td>
<td>ISOS</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td></td>
<td>ISOS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Concur</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>iJet</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Magnatech</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>pnr</td>
<td>Passenger name record</td>
<td>Concur: F13527 ISOS: d7637cf6-d45d-435c-a50b-65e0bfa26f45 Magnatech: “DWKURT”</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
<td>Y</td>
<td></td>
</tr>
<tr>
<td>supplier</td>
<td>Supplier</td>
<td>For Air / Rail type:</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
<td>Y</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>For ISOS Hotel:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Park Hyatt</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Maldives Hadahaa</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>supplierCode</td>
<td>IATA Air/Rail Code.(only available for Air/Rail type. )</td>
<td>For Air / Rail type:</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
<td>Y</td>
<td></td>
</tr>
<tr>
<td></td>
<td>For ISOS Hotel:</td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Field</td>
<td>Description</td>
<td>Example</td>
<td>Data Sources</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>---------------</td>
<td>---------------------------------------</td>
<td>-------------------------------------------------------------------------</td>
<td>--------------</td>
<td>------</td>
<td>------</td>
<td>------</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>International SOS</td>
<td>SAP Concur</td>
<td>WorldAware (FKA iJet)</td>
<td>Magnatech</td>
<td></td>
</tr>
<tr>
<td>supplierName</td>
<td>supplier's readable name</td>
<td>For Air / Rail type: United Airlines</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
<td>Y</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>For ISOS Hotel: Park Hyatt Maldives Hadaha</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>number</td>
<td>Air or Rail number</td>
<td>1070</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
<td>Y</td>
<td></td>
</tr>
<tr>
<td>fromIATA</td>
<td>IATA departure code</td>
<td>HOU (Houston George Bush Intercontinental Airport)</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td></td>
</tr>
<tr>
<td>toIATA</td>
<td>IATA arrival code</td>
<td>DTW (Detroit Metropolitan Wayne County Airport)</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td></td>
</tr>
<tr>
<td>fromDate</td>
<td>Departure time</td>
<td>2017-02-01T13:43:00Z</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td></td>
</tr>
<tr>
<td>toDate</td>
<td>Arrival time</td>
<td>2017-02-01T15:24:00Z</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td></td>
</tr>
<tr>
<td>address</td>
<td>Address</td>
<td>North Huvadhoo, Gaafu Alifu Atoll, Republic of Maldives</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
<td>Y</td>
<td></td>
</tr>
</tbody>
</table>
GET /locationSource/{organizationId}/{locationId}

Description
Get itinerary by organization ID.

URL
/locationsource/{organizationId}/{locationId}

Method
GET

Request Header

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Mandatory</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Authorization</td>
<td>Yes</td>
<td>Authorization</td>
</tr>
</tbody>
</table>

URL Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Mandatory</th>
<th>Type</th>
<th>Default Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>Yes</td>
<td>long</td>
<td></td>
<td>Organization ID</td>
</tr>
<tr>
<td>locationId</td>
<td>Yes</td>
<td>long</td>
<td></td>
<td>Expected location ID</td>
</tr>
</tbody>
</table>
## Responses

<table>
<thead>
<tr>
<th>Code</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>200 OK</strong></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;message&quot;: &quot;OK&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;result&quot;: {</td>
</tr>
<tr>
<td></td>
<td>&quot;organizationId&quot;: 9006378915988111,</td>
</tr>
<tr>
<td></td>
<td>&quot;locationIds&quot;: [9003630136944275],</td>
</tr>
<tr>
<td></td>
<td>&quot;source&quot;: &quot;iJet&quot;, // iJet, Concur, ISOS or Magnatech</td>
</tr>
<tr>
<td></td>
<td>&quot;type&quot;: &quot;Air&quot;, // Air, Rail, Car, or Hotel</td>
</tr>
<tr>
<td></td>
<td>&quot;pnr&quot;: &quot;F13517&quot;, //Concur: F13517; ISOS: d7637cf6-d45d-435c-a50b-65e0bfa26f45; Magnatech: DWKURT</td>
</tr>
<tr>
<td></td>
<td>&quot;supplier&quot;: &quot;UA&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;number&quot;: &quot;03&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;fromIata&quot;: &quot;DCA&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;toIata&quot;: &quot;BOS&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;fromDate&quot;: &quot;2017-02-01T13:43:00Z&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;toDate&quot;: &quot;2017-02-01T15:24:00Z&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;address&quot;: &quot;&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;supplierCode&quot;: &quot;UA&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;supplierName&quot;: &quot;United Airlines&quot;</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
<tr>
<td><strong>401 Unauthorized</strong></td>
<td>Authentication failure</td>
</tr>
<tr>
<td><strong>404 Not Found</strong></td>
<td>Location ID not found</td>
</tr>
<tr>
<td><strong>500 Internal Error</strong></td>
<td>System Error / Internal Error</td>
</tr>
</tbody>
</table>
POST /locationSource/{organizationId}/BatchGet

Description
Get itineraries in batch by organization ID and location IDs.

URL
/locationSource/{organizationId}/BatchGet

Method
POST

Request Header

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Mandatory</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Authorization</td>
<td>Yes</td>
<td>Authorization</td>
</tr>
</tbody>
</table>

URL Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Mandatory</th>
<th>Type</th>
<th>Default Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>Yes</td>
<td>long</td>
<td></td>
<td>Organization ID</td>
</tr>
</tbody>
</table>

Request Body

NOTE: The size of response increases as the size of location ID array. The location ID array size limit is set as 4,096; if the size of array is exceeded, 413 will return.

<table>
<thead>
<tr>
<th>Code</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>locationIds: [123456789, 234567891, 345678912]</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
</tbody>
</table>

NOTE: The maximum number of IDs is 4096.
Responses

<table>
<thead>
<tr>
<th>Code</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>200 OK</td>
<td>The request will return 200 if the location IDs are partially found.</td>
</tr>
</tbody>
</table>

```
{  
  locationSources: [  
    {  
      "organizationId": 9006378915988111,  
      "locationIds": [9003630136944272, 9003630136944273],  
      "source": "iJet",  
      "type": "Air",  
      "pnr": "F13517",  
      "supplier": ",",  
      "number": ",",  
      "fromIata": "DCA",  
      "toIata": "BOS",  
      "fromDate": "2017-02-01T13:43:00Z",  
      "toDate": "2017-02-01T15:24:00Z",  
      "address": ",",  
      "supplierCode": ",",  
      "supplierName": ""  
    },  
    {  
      "organizationId": 9006378915988111,  
      "locationIds": [9003630136944273, 9003630136944274],  
      "source": "ISOS",  
      "type": "Air",  
      "pnr": "d7637cf6-d45d-435c-a50b-65e0bfa26f45",  
      "supplier": "AB",  
      "number": "12",  
      "fromIata": "JFK",  
      "toIata": "IHR",  
      "fromDate": "2017-02-01T13:43:00Z",  
      "toDate": "2017-02-01T15:24:00Z",  
      "address": ",",  
      "supplierCode": "AB",  
      "supplierName": "Air Berlin"  
    },  
    {  
      "organizationId": 9006378915988111,  
      "locationIds": [9003630136944274, 9003630136944275],  
      "source": "Concur",  
      "type": "Air",  
      "pnr": "t7637cf6-d45d-435c-a50b-65e0bfa26f45",  
      "supplier": "SQ",  
      "number": "221",  
      "fromIata": "SIN",  
      "toIata": "SYD",  
    }  
  ]  
}
```
Chapter 7 – Locations

<table>
<thead>
<tr>
<th>Code</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>&quot;fromDate&quot;: &quot;2017-02-01T13:43:00Z&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;toDate&quot;: &quot;2017-02-01T15:24:00Z&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;address&quot;: &quot;&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;supplierCode&quot;: &quot;SQ&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;supplierName&quot;: &quot;Singapore Airlines&quot;</td>
</tr>
<tr>
<td></td>
<td>},</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;organizationId&quot;: 9006378915988111,</td>
</tr>
<tr>
<td></td>
<td>&quot;locationIds&quot;: [9003630136944276],</td>
</tr>
<tr>
<td></td>
<td>&quot;source&quot;: &quot;ISOS&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;type&quot;: &quot;Hotel&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;pnr&quot;: &quot;F65517&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;supplier&quot;: &quot;Park Hyatt Maldives Hadahaa&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;number&quot;: &quot;&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;fromIata&quot;: &quot;&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;toIata&quot;: &quot;&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;fromDate&quot;: &quot;2017-02-01T13:43:00Z&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;toDate&quot;: &quot;2017-02-02T15:24:00Z&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;address&quot;: &quot;North Huvadhoo, Gaafu Alifu Atoll, Republic of Maldives&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;supplierCode&quot;: &quot;&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;supplierName&quot;: &quot;Park Hyatt Maldives Hadahaa&quot;</td>
</tr>
<tr>
<td></td>
<td>},</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;organizationId&quot;: 9006378915988111,</td>
</tr>
<tr>
<td></td>
<td>&quot;locationIds&quot;: [9003630136944277],</td>
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<tr>
<td></td>
<td>&quot;source&quot;: &quot;Concur&quot;,</td>
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<tr>
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<td>&quot;type&quot;: &quot;Hotel&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;pnr&quot;: &quot;F13787&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;supplier&quot;: &quot;HH&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;number&quot;: &quot;&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;fromIata&quot;: &quot;&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;toIata&quot;: &quot;&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;fromDate&quot;: &quot;2017-02-01T13:43:00Z&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;toDate&quot;: &quot;2017-02-02T15:24:00Z&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;address&quot;: &quot;152 West 26th Street&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;supplierCode&quot;: &quot;&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;supplierName&quot;: &quot;Hilton&quot;</td>
</tr>
<tr>
<td></td>
<td>},</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;organizationId&quot;: 9006378915988111,</td>
</tr>
<tr>
<td></td>
<td>&quot;locationIds&quot;: [9003630136944278, 9003630136944279],</td>
</tr>
<tr>
<td></td>
<td>&quot;source&quot;: &quot;ISOS&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;type&quot;: &quot;Rail&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;pnr&quot;: &quot;F56817&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;supplier&quot;: &quot;&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;number&quot;: &quot;03&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;fromIata&quot;: &quot;BJS&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;toIata&quot;: &quot;XTF&quot;,</td>
</tr>
</tbody>
</table>
"fromDate": "2017-02-01T13:43:00Z",
"toDate": "2017-02-02T15:24:00Z",
"address": "",
"supplierCode": "",
"supplierName": "Airport Express Rail"
},
{
  "organizationId": 9006378915988111,
  "locationIds": [9003630136944280, 9003630136944281],
  "source": "Concur",
  "type": "Rail",
  "pnr": "F13321",
  "supplier": "2V",
  "number": "42",
  "fromIata": "BJS",
  "toIata": "XTF",
  "fromDate": "2017-02-01T13:43:00Z",
  "toDate": "2017-02-02T15:24:00Z",
  "address": "",
  "supplierCode": "2V",
  "supplierName": "Amtrak"
},
{
  "organizationId": 9006378915988111,
  "locationIds": [9003630136944282, 9003630136944283],
  "source": "ISOS",
  "type": "Car",
  "pnr": "F13321",
  "supplier": "CA",
  "number": "810",
  "fromIata": "SZX",
  "toIata": "CAN",
  "fromDate": "2017-02-01T13:43:00Z",
  "toDate": "2017-02-02T15:24:00Z",
  "address": "",
  "supplierCode": "CA",
  "supplierName": "Amtrak"
},
{
  "organizationId": 9006378915988111,
  "locationIds": [9003630136944286, 9003630136944285],
  "source": "Concur",
  "type": "Car",
  "pnr": "d8737cf6-d45d-435c-a50b-65e0bfa26f45",
  "supplier": "WN",
  "number": "5736",
  "fromIata": "OAK",
  "toIata": "LAX",
  "fromDate": "2017-02-01T13:43:00Z",
  "toDate": "2017-02-02T15:24:00Z",
<table>
<thead>
<tr>
<th>Code</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>401 Unauthorized</td>
<td>Authentication failure</td>
</tr>
<tr>
<td>413 Payload Too Large</td>
<td>{ &quot;message&quot;: &quot;The amount of data requested exceeds the limit.&quot;, &quot;status&quot;: 413 }</td>
</tr>
<tr>
<td>500 Internal Error</td>
<td>System Error / Internal Error</td>
</tr>
</tbody>
</table>
GET /locationSource/{organizationId}?PNR={PNR}

Description
Get location sources by PNR (Passenger Name Record).

URL
/locationSource/{organizationId}?PNR={PNR}

Method
GET

Request Header

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Mandatory</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Authorization</td>
<td>Yes</td>
<td>Basic Auth</td>
</tr>
</tbody>
</table>

URL Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Mandatory</th>
<th>Type</th>
<th>Default Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>Yes</td>
<td>long</td>
<td></td>
<td>Organization ID</td>
</tr>
<tr>
<td>PNR</td>
<td>Yes</td>
<td>string</td>
<td></td>
<td>Passenger Name Record</td>
</tr>
</tbody>
</table>
## Responses

<table>
<thead>
<tr>
<th>Code</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>200 OK</td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;message&quot;: &quot;OK&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;result&quot;: [</td>
</tr>
<tr>
<td></td>
<td>&quot;organizationId&quot;: 9006378915988111,</td>
</tr>
<tr>
<td></td>
<td>&quot;locationIds&quot;: [9003630136944275],</td>
</tr>
<tr>
<td></td>
<td>&quot;source&quot;: &quot;iJet&quot;, // iJet, Concur, or ISOS</td>
</tr>
<tr>
<td></td>
<td>&quot;type&quot;: &quot;Air&quot;, // Air, Rail, Car, or Hotel</td>
</tr>
<tr>
<td></td>
<td>&quot;pnr&quot;: &quot;F13517&quot;, // Concur: F13517; ISOS: d7637cf6-d45d-435c-a50b-65e0bfa26f45</td>
</tr>
<tr>
<td></td>
<td>&quot;supplier&quot;: &quot;UA&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;supplierCode&quot;: &quot;UA&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;supplierName&quot;: &quot;United Airlines&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;number&quot;: &quot;03&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;fromIata&quot;: &quot;DCA&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;toIata&quot;: &quot;BOS&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;fromDate&quot;: &quot;2017-02-01T13:43:00Z&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;toDate&quot;: &quot;2017-02-01T15:24:00Z&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;address&quot;: &quot;&quot;</td>
</tr>
<tr>
<td></td>
<td>]</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
<tr>
<td>401 Unauthorized</td>
<td>Authentication failure</td>
</tr>
<tr>
<td>404 Not Found</td>
<td>Organization not found / Itinerary not found</td>
</tr>
<tr>
<td>500 Internal Error</td>
<td>System Error / Internal Error</td>
</tr>
</tbody>
</table>
UploadDynamicLocations

GET /uploaddynamicLocations/{organizationId}/{uploadBatchId}

Description
Retrieve all upload dynamicLocations for an uploadBatch.

Return type
Collection of dynamicLocations.

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Optional?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>url</td>
<td>n</td>
<td>The ID of the organization.</td>
</tr>
<tr>
<td>uploadBatchId</td>
<td>url</td>
<td>n</td>
<td>The ID of the dynamic locations to return.</td>
</tr>
</tbody>
</table>
Response

{
  "message": "OK",
  "firstPageUri": "https://api.everbridge.net/rest/uploadDynamicLocations/888409690210681/4402341478884/?pageNumber=1",
  "lastPageUri": "https://api.everbridge.net/rest/uploadDynamicLocations/888409690210681/4402341478884/?pageNumber=1",
  "page": {
    "pageSize": 1000,
    "start": 0,
    "data": [
      {
        "id": 4402346484248,
        "uploadBatchId": 4402341478884,
        "uploadRecordStatus": "Success",
        "referenceId": 4402346069227,
        "arriveDate": "2015-02-24T10:35:54.985Z",
        "externalId": "he.michael@everbridge.com",
        "street": "101 Marmot Drive",
        "city": "Red Feather Lakes",
        "state": "CO",
        "postalCode": "80545",
        "country": "US",
        "floorNo": "8",
        "roomNo": "816",
        "lon": "21",
        "lat": "21",
        "source": "test",
        "createdId": 444206992589913,
        "createdName": "Michael He",
        "createdDate": 1456301934153,
        "lastModifiedDate": 1456301934153
      }
    ],
    "totalCount": 1,
    "totalPageCount": 1,
    "currentPageNo": 1
  }
}
Assets

GET /assets/{organizationId}

Description
Retrieve all assets for an organization.

Return type
[assets] [collection]

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Optional?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>url</td>
<td>n</td>
<td>The ID of the organization containing the assets.</td>
</tr>
<tr>
<td>pageNumber</td>
<td>query</td>
<td>y</td>
<td>The page number of the assets to return.</td>
</tr>
</tbody>
</table>
Response
{
    "message": "OK",
    "firstPageUri": "https://api-qa1.everbridge.net/rest/assets/888409690210694/?pageNumber=1",
    "nextPageUri": "https://api-qa1.everbridge.net/rest/assets/888409690210694/?pageNumber=2",
    "lastPageUri": "https://api-qa1.everbridge.net/rest/assets/888409690210694/?pageNumber=0",
    "page": {
        "pageSize": 1000,
        "data": [
            {
                "id": "xxxx",
                "externalId": "xxxx",
                "name": "xxxx",
                "iconId": "xxxx",
                "address": {
                    "street": "xxxx",
                    "suite": "xxxx",
                    "city": "xxxx",
                    "state": "xxxx",
                    "postalCode": "xxxx",
                    "country": "xxxx",
                    "countryFullName": "xxxx",
                    "floorNo": "xxxx",
                    "roomNo": "xxxx",
                    "geoLocation": "xxxx"
                }
            }
        ],
        "start": 0,
        "totalCount": 1,
        "totalPageCount": 1,
        "currentPageNo": 1
    }
}

skipValidation
POST /assets/{organizationId}

Description
Create a new asset to an organization.

Input type
asset

Return type
[update]

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Optional?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>long</td>
<td>n</td>
<td>The ID of the organization containing the assets.</td>
</tr>
<tr>
<td>autoGeoCoding</td>
<td>boolean</td>
<td>y</td>
<td>1 Default value is false.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2 /assets/{orgId}?autoGeoCoding=true</td>
</tr>
</tbody>
</table>

Request Body
The JSON object describing the new asset.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Optional?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>externalId</td>
<td>string</td>
<td>n</td>
<td>The external ID of the asset.</td>
</tr>
<tr>
<td>name</td>
<td>string</td>
<td>n</td>
<td>Asset name</td>
</tr>
<tr>
<td>iconId</td>
<td>String</td>
<td>n</td>
<td>The value from 1 to 12:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1 Office</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2 Airport</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3 Hospital</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>4 Police/Sheriff Station</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>5 Fire Station</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>6 Power Plant</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>7 Your location of interest (generic)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>8 Bank</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>9 Data Center</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>10 Manufacturing Plant</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>11 Prison/Jail</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>12 Retail Store/Restaurant</td>
</tr>
</tbody>
</table>
### Asset JSON Object

```json
{
    "externalId": "Office",
    "name": "Galaxy SOHO",
    "iconId": "2",
    "address": {
        "street": "Galaxy SOHO B20511",
        "suite": "",
        "city": "",
        "state": "",
        "postalCode": "",
        "country": "CN",
        "floorNo": "",
        "roomNo": "",
        "geoLocation": {
            "lon": "116",
            "lat": "40"
        }
    }
}
```

### Response Body

<table>
<thead>
<tr>
<th>HTTP Status</th>
<th>Response Body</th>
</tr>
</thead>
<tbody>
<tr>
<td>200 OK</td>
<td></td>
</tr>
</tbody>
</table>
|             |   {
|             |     "message": "OK",
|             |     "id": 470595271655442,
|             |     "baseUri": "https://api-qa1.everbridge.net/rest/assets/241901148045320/",
|             |     "instanceUri": "https://api-qa1.everbridge.net/rest/241901148045320/470595271655442"  
|             |   }
```
<table>
<thead>
<tr>
<th>HTTP Status</th>
<th>Response Body</th>
</tr>
</thead>
<tbody>
<tr>
<td>400 Bad Request</td>
<td>◇ Duplicate External ID</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;status&quot;: 400,</td>
</tr>
<tr>
<td></td>
<td>&quot;message&quot;: &quot;Duplicate externalId, use PUT method to updated existing</td>
</tr>
<tr>
<td></td>
<td>record.&quot;</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
<tr>
<td></td>
<td>◇ Missing Required Fields</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;status&quot;: 400,</td>
</tr>
<tr>
<td></td>
<td>&quot;message&quot;: &quot;Missing required field externalId.&quot;</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
<tr>
<td></td>
<td>◇ Validation Failed</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;status&quot;: 400,</td>
</tr>
<tr>
<td></td>
<td>&quot;message&quot;: &quot;Invalid field iconId, the value must be between 1 and 12.&quot;</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;status&quot;: 400,</td>
</tr>
<tr>
<td></td>
<td>&quot;message&quot;: &quot;Invalid field country.&quot;</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
<tr>
<td>401 Unauthorized</td>
<td>◇ Incorrect User ID or Password</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;status&quot;: 401,</td>
</tr>
<tr>
<td></td>
<td>&quot;message&quot;: &quot;Invalid credentials: Get User failed&quot;</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
<tr>
<td></td>
<td>◇ Require REST API Access</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;status&quot;: 401,</td>
</tr>
<tr>
<td></td>
<td>&quot;message&quot;: &quot;User does not have API permissions for this method&quot;</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
<tr>
<td></td>
<td>◇ Missing Feature</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;status&quot;: 401,</td>
</tr>
<tr>
<td></td>
<td>&quot;message&quot;: &quot;User does not have API permissions for this method&quot;</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
</tbody>
</table>
GET /assets/{organizationId}/{id}

**Description**

Retrieve the specified asset within an organization.

**Return type**

[asset] [instance]

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Optional?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>long</td>
<td>n</td>
<td>The ID of the organization containing the asset.</td>
</tr>
<tr>
<td>id</td>
<td>long</td>
<td>n</td>
<td>The asset's ID or externalId.</td>
</tr>
<tr>
<td>idType</td>
<td>string</td>
<td>y</td>
<td>default value: id, allowable values: id, externalId</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>e.g., /assets/{orgId}/{id}?idType=externalId</td>
</tr>
</tbody>
</table>

**Response**

```
{
  "message": "OK",
  "result": {
    "id": 470595271655464,
    "externalId": "update-test-organizationid-1",
    "name": "Office Update-1",
    "iconId": "2",
    "address": {
      "street": "北京市东城区东四十条甲22号",
      "country": "China",
      "geoLocation": {
        "lon": 116.430917,
        "lat": 39.932805
      }
    }
  }
}
```
PUT /assets/{organizationId}/{id}

**Description**
Update the specified asset within an organization.

**Input type**
asset

**Return type**
[update]

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Optional?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>long</td>
<td>n</td>
<td>The ID of the organization containing the assets.</td>
</tr>
<tr>
<td>id</td>
<td>long</td>
<td>n</td>
<td>The asset ID.</td>
</tr>
<tr>
<td>autoGeocoding</td>
<td>boolean</td>
<td>y</td>
<td>1 Default value is false. 2 /assets/[orgId]?autoGeoCoding=true</td>
</tr>
</tbody>
</table>

**Request Body**
The JSON object describing the new asset.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Optional?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>externalId</td>
<td>string</td>
<td>n</td>
<td>The external ID of the asset.</td>
</tr>
<tr>
<td>name</td>
<td>string</td>
<td>n</td>
<td>Asset name</td>
</tr>
</tbody>
</table>
### Chapter 7 – Locations

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Optional?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>iconId</td>
<td>String</td>
<td>n</td>
<td>The value from 1 to 12:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1 Office</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2 Airport</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3 Hospital</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>4 Police/Sheriff Station</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>5 Fire Station</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>6 Power Plant</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>7 Your location of interest (generic)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>8 Bank</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>9 Data Center</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>10 Manufacturing Plant</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>11 Prison/Jail</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>12 Retail Store/Restaurant</td>
</tr>
<tr>
<td>address</td>
<td>object</td>
<td>n</td>
<td>The latitude and longitude of the asset.</td>
</tr>
<tr>
<td>address.country</td>
<td>string</td>
<td>n</td>
<td>NOTE: If the geoLocation is incomplete and autoGeocoding is false or</td>
</tr>
<tr>
<td>address.street</td>
<td>string</td>
<td>n</td>
<td>autoGeocoding is true but geo coding failed, the latitude and</td>
</tr>
<tr>
<td>address.geoLocation</td>
<td>object</td>
<td>n</td>
<td>longitude will be 0.0.</td>
</tr>
<tr>
<td>address.suite</td>
<td>string</td>
<td>y</td>
<td></td>
</tr>
<tr>
<td>address.city</td>
<td>string</td>
<td>y</td>
<td></td>
</tr>
<tr>
<td>address.postalCode</td>
<td>string</td>
<td>y</td>
<td></td>
</tr>
<tr>
<td>address.floorNo</td>
<td>string</td>
<td>y</td>
<td></td>
</tr>
<tr>
<td>address.roomNo</td>
<td>string</td>
<td>y</td>
<td></td>
</tr>
</tbody>
</table>
Asset JSON Object

```json
{
    "externalId": "Office",
    "name": "Galaxy SOHO",
    "iconId": "2",
    "address": {
        "street": "Galaxy SOHO B20511",
        "suite": "",
        "city": "",
        "state": "",
        "postalCode": "",
        "country": "CN",
        "floorNo": "",
        "roomNo": "",
        "geoLocation": {
            "lon": "116",
            "lat": "40"
        }
    }
}
```
## Response Body

<table>
<thead>
<tr>
<th>HTTP Status</th>
<th>Response Body</th>
</tr>
</thead>
</table>
| 200 OK      | `{  
  "message": "OK",
  "id": 470595271655464,
  "baseUri": "https://localhost:9080//assets/241901148045320/",
  "instanceUri": "https://localhost:9080//assets/241901148045320/470595271655464"
}` |
| 400 Bad Request | ♣ Duplicate External ID
  `{  
  "status": 400,
  "message": "Duplicated externalId. Keep the current externalId or use a new externalId."
}` |
| 401 Unauthorized | ♣ REST API Access
  `{  
  "status": 401,
  "message": "User does not have API permissions for this method"
}` |
|              | ♣ User has no access to the organization
  `{  
  "status": 401,
  "message": "Org 241901148045319 not accessible to this user, or does not exist."
}` |
| 404 Not Found | `{  
  "status": 404,
  "message": "Can not find the asset with ID 470595271655464 within the organization 241901148045319."
}` |
DELETE /assets/{organizationId}/{id}

Description
Delete the specified asset within an organization.

Return type
[update]

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Optional?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>long</td>
<td>n</td>
<td>The ID of the organization containing the assets.</td>
</tr>
<tr>
<td>id</td>
<td>long</td>
<td>n</td>
<td>The asset ID.</td>
</tr>
<tr>
<td>forceDelete</td>
<td>boolean</td>
<td>y</td>
<td>Whether to unlink and forcibly delete the asset.</td>
</tr>
</tbody>
</table>

Response Body

<table>
<thead>
<tr>
<th>HTTP Status</th>
<th>Response Body</th>
</tr>
</thead>
<tbody>
<tr>
<td>200 OK</td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;message&quot;: &quot;OK&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;id&quot;: 470595271655474,</td>
</tr>
<tr>
<td></td>
<td>&quot;baseUri&quot;: &quot;<a href="https://api-qa1.everbridge.net/rest/assets/241901148045320/">https://api-qa1.everbridge.net/rest/assets/241901148045320/</a>&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;instanceUri&quot;: &quot;<a href="https://api-qa1.everbridge.net/rest/assets/241901148045320/470595271655474">https://api-qa1.everbridge.net/rest/assets/241901148045320/470595271655474</a>&quot;</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
</tbody>
</table>

400 Bad Request
- The parameter ‘forceDelete’ is false and some contacts linked to the asset.
  
  
  | "status": 400, |
  | "message": "failed to delete asset which referred by contact." |
  |
- The parameter forceDelete’ is false and some expected locations linked to the asset.
  
  
<p>| &quot;status&quot;: 400, |
| &quot;message&quot;: &quot;failed to delete asset which referred by expected location.&quot; |</p>
<table>
<thead>
<tr>
<th>HTTP Status</th>
<th>Response Body</th>
</tr>
</thead>
<tbody>
<tr>
<td>401 Unauthorized</td>
<td>◊ Incorrect User ID or Password</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>◊ No REST API Access or Missing Feature</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>404 Not Found</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
POST /assets/{organizationId}/batch

Description
Create batch of assets for an organization.

Input type
asset array

Return type
batch

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Optional?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>long</td>
<td>n</td>
<td>The ID of the organization containing the assets.</td>
</tr>
<tr>
<td>autoGeoCoding</td>
<td>boolean</td>
<td>y</td>
<td>1 Default value is false.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2 /assets/{orgId}?autoGeoCoding=True</td>
</tr>
</tbody>
</table>

Response Body
Array of building objects.

NOTE: Field iconId’s default value is “1”, so you do not need to set it in the JSON object unless iconID is another value (2-12).
Post Batch Request Body

```json
[
    {
        "externalId": "Office",
        "name": "Galaxy SOHO",
        "iconId": "1",
        "address": {
            "street": "Galaxy SOHO B20511",
            "suite": "",
            "city": "",
            "state": "",
            "postalCode": "",
            "country": "CN",
            "floorNo": "",
            "roomNo": "",
            "geoLocation": {
                "lon": "116",
                "lat": "40"
            }
        }
    },
    ...
]
```

Response Body

**NOTE:**

<table>
<thead>
<tr>
<th>Data in the Batch</th>
<th>Assets Batch API</th>
<th>Contact Batch API</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Succeed</td>
<td>HTTP Status Code: 200</td>
<td>HTTP Status Code: 200</td>
</tr>
<tr>
<td></td>
<td>Internal Code: 200</td>
<td>Internal Code: 200</td>
</tr>
<tr>
<td>Partially Succeed</td>
<td>HTTP Status Code: 400</td>
<td>HTTP Status Code: 200</td>
</tr>
<tr>
<td></td>
<td>Internal Code: 400</td>
<td>Internal Code: 200</td>
</tr>
<tr>
<td>All Failed</td>
<td>HTTP Status Code: 400</td>
<td>HTTP Status Code: 200</td>
</tr>
<tr>
<td></td>
<td>Internal Code: 400</td>
<td>Internal Code: 300</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HTTP Status</th>
<th>Response Body</th>
</tr>
</thead>
<tbody>
<tr>
<td>200 OK</td>
<td>All assets in the batch succeed:</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>HTTP Status</td>
<td>Response Body</td>
</tr>
<tr>
<td>---------------------</td>
<td>-------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>400 Bad Request</td>
<td>The parameter 'forceDelete' is false and some contacts linked to the asset.</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;message&quot;: &quot;The assets creation is partially or all failed.&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;code&quot;: 400,</td>
</tr>
<tr>
<td></td>
<td>&quot;data&quot;: [</td>
</tr>
<tr>
<td></td>
<td>&quot;ExternalId RA-batch-23: Duplicated ExternalId, use PUT method to</td>
</tr>
<tr>
<td></td>
<td>updated existing record.&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;ExternalId RA-batch-24: Duplicated ExternalId, use PUT method to</td>
</tr>
<tr>
<td></td>
<td>updated existing record.&quot;</td>
</tr>
<tr>
<td></td>
<td>]</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
<tr>
<td>401 Unauthorized</td>
<td>◊ Incorrect User ID or Password</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;status&quot;: 401,</td>
</tr>
<tr>
<td></td>
<td>&quot;message&quot;: &quot;Invalid credentials: Get User failed&quot;</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
<tr>
<td></td>
<td>◊ Require REST API Access</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;status&quot;: 401,</td>
</tr>
<tr>
<td></td>
<td>&quot;message&quot;: &quot;User does not have API permissions for this method&quot;</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
<tr>
<td></td>
<td>Missing Feature</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;status&quot;: 401,</td>
</tr>
<tr>
<td></td>
<td>&quot;message&quot;: &quot;User does not have API permissions for this method&quot;</td>
</tr>
</tbody>
</table>
Scheduling

This chapter provides information about the methods and operations you can use to manage your Scheduling APIs.

The following topics are covered:

◊ **Scheduling API Overview**
  - Common Parameters and Options
  - Common Fields

◊ **Calendars**
  - Calendar Fields
  - GET scheduling/{organizationId}/calendars
  - POST scheduling/{organizationId}/calendars
  - GET scheduling/{organizationId}/calendars/{ids}
  - PUT scheduling/{organizationId}/calendars/{ids}
  - DELETE scheduling/{organizationId}/calendars/{ids}
  - GET scheduling/{organizationId}/calendarEvents

◊ **shiftSchedule**
  - shiftSchedule Fields
  - GET scheduling/{organizationId}/shiftSchedules
  - POST scheduling/{organizationId}/shiftSchedules
  - GET scheduling/{organizationId}/shiftSchedules/{ids}
Chapter 8 – Scheduling

- PUT /scheduling/{organizationId}/shiftSchedules/{ids}
- DELETE /scheduling/{organizationId}/shiftSchedules/{ids}

◊ StaffSchedule
  • StaffSchedule Fields
  • GET /scheduling/{organizationId}/staffSchedules
  • POST /scheduling/{organizationId}/staffSchedules
  • GET /scheduling/{organizationId}/staffSchedules/{ids}
  • PUT /scheduling/{organizationId}/staffSchedules/{ids}
  • DELETE /scheduling/{organizationId}/staffSchedules/{ids}

◊ Shift Substitutions
  • shiftSubstitution Fields
  • GET /scheduling/{organizationId}/shiftSubstitutions
  • POST /scheduling/{organizationId}/shiftSubstitutions
  • GET /scheduling/{organizationId}/shiftSubstitutions/{ids}
  • PUT /scheduling/{organizationId}/shiftSubstitutions/{ids}
  • DELETE /scheduling/{organizationId}/shiftSubstitutions/{ids}

◊ Substitutions
  • Validations
  • Substitution Fields
  • GET /scheduling/{organizationId}/substitutions
  • POST /scheduling/{organizationId}/substitutions
  • GET /scheduling/{organizationId}/substitutions/{ids}
  • PUT /scheduling/{organizationId}/substitutions/{ids}
  • DELETE /scheduling/{organizationId}/substitutions/{ids}

◊ Recurrences
  • Occurrence
  • Repeat
  • Periodic

◊ iCal
  • Fields
  • 4.3.10 Recurrence Rule

◊ Staff Assignments
  • Contact
  • Group
  • Mixed

◊ Staff Rotation
- calendars
  - GET /calendars/{organizationId}

- staff
  - GET /staff/{organizationId}/assignment/{externalId}

- Scheduling Audit Public
  - Data Model

- Scheduling Audit REST API
  - GET /scheduling/{organizationId}/audits
Scheduling API Overview

Common Parameters and Options

The services support common parameters, modeled after the JSON API Specification, are as follows:

◊ **Includes parameter** permits requesting compound documents - responses including resources related to the requested resource.
  - Include may be a comma-delimited list of valid resource names for which the resource supports includes.
  - **For example, */staffSchedules?include=calendar,shiftSchedule**

◊ **Sparse Field Sets** permit requesting which fields are returned by the service using the **fields** or **fields[resourceName]** (ex fields[calendar]) parameters. Paging permits requests for paged data using the **pageSize** and **pageNo** parameters.
  - The parameter value must be a comma-delimited list of valid fields for the resource.
  - **For example, */?fields=name,status**.
  - If specifying sparse fields on an included resource, the include parameter is redundant and not required.
  - **For example, */?include=calendar&fields[calendar]=name can be simplified to */?fields[calendar]=name**

◊ **Sort** permits sorting list responses using the **sort** parameter. **Filters** permit "querying" list responses using the **filter[fieldName]** (ex filter[status]) parameter
  - The parameter value must be a comma-delimited list of valid fields for the resource.
    - **For example, */?sort=name,status**.
  - The sort direction may be specified using +, - for ascending, descending respectively. Ascending is the default so + is not required.

Common Fields

The following fields are common to Calendar, ShiftSchedule, StaffSchedule, StaffSubstitution and ShiftSubstitution configurations.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Data Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>accountId</td>
<td>integer</td>
<td>The ID of the account that owns this resource.</td>
</tr>
<tr>
<td>createdDate</td>
<td>integer</td>
<td>The ID of the user who created the resource.</td>
</tr>
<tr>
<td>createdName</td>
<td>string</td>
<td>The name of the user who created the resource.</td>
</tr>
<tr>
<td>createdProxyName</td>
<td>string</td>
<td>The name of the proxy user who created the resource.</td>
</tr>
<tr>
<td>lastModifiedDate</td>
<td>string</td>
<td>The date and time the resource was last modified.</td>
</tr>
<tr>
<td>lastModifiedId</td>
<td>integer</td>
<td>The ID of the user who last modified the resource.</td>
</tr>
<tr>
<td>Parameter</td>
<td>Data Type</td>
<td>Description</td>
</tr>
<tr>
<td>-----------------------</td>
<td>-----------</td>
<td>----------------------------------------------------------</td>
</tr>
<tr>
<td>lastModifiedName</td>
<td>string</td>
<td>The name of the user who last modified the resource.</td>
</tr>
<tr>
<td>lastModifiedProxyName</td>
<td>string</td>
<td>The name of the proxy user who last modified the resource.</td>
</tr>
<tr>
<td>organizationID</td>
<td>integer</td>
<td>The ID of the organization that owns this resource.</td>
</tr>
<tr>
<td>resourceBundleId</td>
<td>integer</td>
<td>The ID of the Role which owns this resource.</td>
</tr>
</tbody>
</table>
Calendars

A calendar is the top level container for Scheduling configurations, which represents a Calendar.

Calendar Fields

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Data Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>active</td>
<td>boolean</td>
<td>When active is true, the calendar may be used for notifications. Otherwise, it is only visible to define a schedule.</td>
</tr>
<tr>
<td>emailNotificationEnabled</td>
<td>boolean</td>
<td>If true, alerts are sent for changes made to the calendar.</td>
</tr>
<tr>
<td>emailNotificationList</td>
<td>array</td>
<td>A distribution list to receive change notifications.</td>
</tr>
<tr>
<td>externalId</td>
<td>string</td>
<td>A client defined ID for mapping to external resources.</td>
</tr>
<tr>
<td>icalUID</td>
<td>string</td>
<td>If created using ical import, a reference to the ical UID which generated this resource.</td>
</tr>
<tr>
<td>name</td>
<td>string</td>
<td>The name of the Calendar.</td>
</tr>
<tr>
<td>notifyScheduled</td>
<td>boolean</td>
<td>If true, staff impacted by configuration changes will receive change notifications.</td>
</tr>
<tr>
<td>status</td>
<td>string</td>
<td>Indicates whether the resource is active or deleted.</td>
</tr>
<tr>
<td>type</td>
<td>string</td>
<td>The name of the Resource (constant).</td>
</tr>
<tr>
<td>visibility</td>
<td>string</td>
<td>Defines whether the calendar is visible to the organization or only to those staffed to the calendar.</td>
</tr>
</tbody>
</table>

GET /scheduling/{organizationId}/calendars

Description

Return a list of all calendars for an organization.

Return type

Calendar Object

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Required?</th>
<th>Data Type</th>
<th>Parameters</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>y</td>
<td>string</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>y</td>
<td>long</td>
<td>The ID of the organization that owns this resource.</td>
</tr>
</tbody>
</table>
Example Response

```json
{
    "currentPageNo": 1,
    "totalPageCount": 1,
    "totalCount": 1,
    "pageSize": 20,
    "data": [
        {
            "id": 444206992590018,
            "type": "calendar",
            "accountId": 8800387990738,
            "active": true,
            "createdDate": "2017-07-19T02:54:01Z",
            "createdId": 444206992589624,
            "createdName": "Gina Downing",
            "emailNotificationEnabled": false,
            "externalId": "1940100004bf",
            "lastModifiedDate": "2017-07-19T02:56:07Z",
            "lastModifiedId": 4442069925895424,
            "lastModifiedName": "Jason Fern",
            "name": "ITA",
            "notifyScheduled": false,
            "organizationId": 8800387991360,
            "resourceBundleId": 8800387991734,
            "status": "A",
            "visibility": "org"
        }
    ]
}
```

**POST /scheduling/{organizationId}/calendars**

**Description**

Create a calendar within an organization.
Return type
Calendar Object

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Required?</th>
<th>Data Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>y</td>
<td>string</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>y</td>
<td>long</td>
<td>The ID of the organization that owns this resource.</td>
</tr>
<tr>
<td>data</td>
<td>y</td>
<td>httpRequest Body</td>
<td>A calendar’s object to be created.</td>
</tr>
<tr>
<td>holidayCalendarCodes</td>
<td>n</td>
<td>array of strings</td>
<td>An array containing country codes for the countries/regions to which this calendar is related. No validation is done. Invalid codes will be ignored.</td>
</tr>
</tbody>
</table>

Example Request

```json
{
    "data": {
        "type": "calendar",
        "attributes": {
            "name": "My First Calendar",
            "emailNotificationList": ["ThomasTall@mail.com", "LindsayLee@mail.com"],
            "emailNotificationEnabled": true,
            "active": true
        }
    }
}
```
Example Response

```
{
    "data": {
        "id": 4442069925900214,
        "type": "calendar",
        "accountId": 8800387990738,
        "active": false,
        "createdDate": "2017-07-27T14:35:19Z",
        "createdId": 4442069925896214,
        "createdName": "Richard Riley",
        "emailNotificationEnabled": false,
        "externalId": "19401000004c2",
        "lastModifiedDate": "2017-07-27T14:35:19Z",
        "lastModifiedId": 4442069925896214,
        "lastModifiedName": "Elijah Backsen",
        "name": "Test Calendar 1",
        "notifyScheduled": false,
        "organizationId": 8800387991360,
        "resourceBundleId": 8800387991734,
        "status": "A",
        "visibility": "contact"
    }
}
```

**GET /scheduling/{organizationId}/calendars/{ids}**

**Description**

Return one or more calendars by ID for an organization.

**Return type**

Calendar Object

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Required?</th>
<th>Data Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>y</td>
<td>string</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>y</td>
<td>long</td>
<td>The ID of the Organization that owns this resource.</td>
</tr>
<tr>
<td>id</td>
<td>y</td>
<td>string</td>
<td>The ID or IDs (comma-delimited) of the resources to find.</td>
</tr>
</tbody>
</table>
PUT /scheduling/{organizationId}/calendars/{ids}

Description

Update one or more calendars by ID for an organization.

Return type

Calendar Object
Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Required?</th>
<th>Data Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>y</td>
<td>string</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>y</td>
<td>long</td>
<td>The ID of the organization that owns this resource.</td>
</tr>
<tr>
<td>id</td>
<td>y</td>
<td>string</td>
<td>The ID or IDs (comma-delimited) of the resources to find.</td>
</tr>
<tr>
<td>data</td>
<td>y</td>
<td>httpRequest Body</td>
<td>A calendar’s object to be updated. Supports partial updates - one or more fields may be included in the request and only the fields specified will be updated.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>PUT is treated as PATCH as object replacement is not supported.</td>
</tr>
<tr>
<td>holidayCalendarCodes</td>
<td>n</td>
<td>array of strings</td>
<td>An array containing country codes for the countries/regions to which this calendar is related. No validation is done. Invalid codes will be ignored.</td>
</tr>
</tbody>
</table>

Example Request

```
{
  "data" : {
    "type" : "calendar",
    "attributes" : {
      "name" : "My First Calendar",
      "emailNotificationList" : [ "HariettSomers@mail.com", "TaylorLange@mail.com"
    ],
    "emailNotificationEnabled" : true,
    "active" : true
  }
}
```
Example Response

```
{
    "data": {
        "id": 4442069925900214,
        "type": "calendar",
        "accountId": 8800387990738,
        "active": false,
        "createdDate": "2017-07-27T14:35:19Z",
        "createdId": 4442069925896214,
        "createdName": "Travis Red",
        "emailNotificationEnabled": false,
        "externalId": "19401000004c2",
        "lastModifiedDate": "2017-07-27T14:35:19Z",
        "lastModifiedId": 4442069925896214,
        "lastModifiedName": "Jeffery Pool",
        "name": "Test Calendar 1",
        "notifyScheduled": false,
        "organizationId": 8800387991360,
        "resourceBundleId": 8800387991734,
        "status": "A",
        "visibility": "contact"
    }
}
```

DELETE /scheduling/{organizationId}/calendars/{ids}

**Description**
Delete one or more calendars by ID for an organization.

**Return type**
Calendar Object

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Required?</th>
<th>Data Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>y</td>
<td>string</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>y</td>
<td>long</td>
<td>The ID of the organization that owns this resource.</td>
</tr>
<tr>
<td>id</td>
<td>y</td>
<td>string</td>
<td>The ID or IDs (comma-delimited) of the resources to delete.</td>
</tr>
</tbody>
</table>
### Example Response

```json
{
    "data": {
        "id": 444206992590015,
        "type": "calendar",
        "accountId": 8800387990738,
        "active": true,
        "createdDate": "2017-07-19T02:54:01Z",
        "createdId": 444206992589542,
        "createdName": "Riley Ward",
        "emailNotificationEnabled": false,
        "externalId": "19401000004bf",
        "lastModifiedDate": "2017-07-26T17:51:22Z",
        "lastModifiedId": 444206992589678,
        "lastModifiedName": "Jason Fern",
        "name": "ITA",
        "notifyScheduled": false,
        "organizationId": 8800387991360,
        "resourceBundleId": 444206992589159,
        "status": "D",
        "visibility": "org"
    }
}
```
GET /scheduling/{organizationId}/calendarEvents

Description

The Calendar Events API is designed to help clients find who are on-call for a specified period of time or an instant.

What are events? An event is considered a moment in time when a contact and/or group will be assigned to a Calendar and Shift combination.

What is an assignment? When a contact and/or group is assigned to a specific moment in time, if a notification happens, that contact and/or contacts in the group will be notified.

When does an assignment happen? Assignments can happen for three reasons:

1. A contact or group was added to a staff layer.
2. A contact or group was added to a shift override.
3. A contact was set as a replacement to an unavailable contact in 1 or 2 above.

Return type

Calendar Event

```json
{
  "data": [
    {
      "id": "01002100000029-5aa83bd0-5aa8ac50", // ID for this event
      "type": "calendarEvent",
      "assignments": [ ... ], // will describe in details below
      "calendarId": 281616710631442, // Calendar ID that this event belongs to
      "end": "2018-03-14T01:00:00-04:00", // End time for this event
      "organizationId": 1328214341320771, // Organization ID for this event
      "shiftScheduleId": 281616710631465, // Shift ID for this event
      "start": "2018-03-13T17:00:00-04:00" // Start time for this event
    }
  ],
  "included": [ // All your includes will show up here ]
}
```

Assignments

Inside the `assignments` attribute, you will get an array of all the contacts assigned to the event. Multiple contacts can be assigned depending on each situation. The simplest format for an assignment is the following, which happens when a contact is directly assigned to a staff layer:
When a group is assigned to a staff layer, then assignments will show one record for each contact in the group. It will also add the group ID so that you can see that the contact was assigned to that layer because of the group. The following is an example:

```json
{
    "contactId" : 444206992591912, // contact ID for the assigned contact
    "staffLayerId" : 281616710631486, // ID of the staff layer
    "sequence" : 1 // For sequenced shifts, the sequence number will show
}
```

When a contact or group is assigned to a shift using the shift override functionality, then they do not get a `staffLayerId`. Instead, they have a `shiftSubstitutionId`. Besides that, everything else works the same way. The following is an example:

```json
{
    "contactId" : 444206992589469,
    "groupId" : 281616710631446,
    "staffLayerId" : 281616710631483
},
{
    "contactId" : 444206992591912,
    "groupId" : 281616710631446,
    "staffLayerId" : 281616710631483
}
```

In the previous example, two contacts (444206992589469 and 444206992591912) were assigned to the staff layer because they were added to a group (281616710631446), which was added to the staff layer.

When a contact or group is assigned to a shift using the shift override functionality, then they do not get a `staffLayerId`. Instead, they have a `shiftSubstitutionId`. Besides that, everything else works the same way. The following is an example:

```json
{
    "contactId" : 444206992591913,
    "shiftSubstitutionId" : 281616710631468 // No staff layer, shiftSubstitutionId instead
},
{
    "contactId" : 444206992589470, // This contact was assigned because he/she belongs to the group
    "groupId" : 281616710631447, // This group was assigned to this shift override
    "shiftSubstitutionId" : 281616710631468 // No staff layer, shiftSubstitutionId instead
}
```

If a contact is set to unavailable for some amount of time, its replacement (if any) will show as an assignment. It will also have a `replacements` attribute, which lists all the periods of time in which that contact is replacing someone. Inside each replacement, you will also see a
replacedContactId that indicates what contact is being replaced and a staffSubstitutionId, which is the ID of the substitution that the replacement refers to.

Here is an example:

```json
{
  "contactId" : 444206992591912, // This contact is replacing someone
  "replacements" : [ { // Can replace multiple times in shift
    "replacedContactId" : 444206992591913, // This contact is being replaced
    "replacementPeriod" : {
      "from" : "2018-03-13T21:00:00-04:00", // Replacement period start
      "to" : "2018-03-13T22:00:00-04:00" // and end times
    },
    "staffSubstitutionId" : 281616710631478 // Substitution ID
  }],
  "staffLayerId" : 281616710631481 // This replacement is in this staff layer
}
```

If a contact is unavailable for a period of time contained in the shift time (for example, the shift goes from 9:00am-5:00pm and the contact is unavailable from 12:00pm-1:00pm), then the contact will still be assigned to the shift, but it will have an attribute unavailabilities, which is an array for which all the periods the contact is unavailable. Each unavailability will also include the ID of the contact that is replacing the unavailable contact (if present) and staffSubstitutionId, which is the ID of the substitution that the unavailability refers to. The following is an example:

```json
{
  "contactId" : 444206992591913, // Contact that is unavailable
  "staffLayerId" : 281616710631481, // Staff layer that this contact is assigned to
  "unavailabilities" : [ { // can be unavailable multiple times in a shift
    "period" : {
      "from" : "2018-03-13T21:00:00-04:00", // Start
      "to" : "2018-03-13T22:00:00-04:00" // and end time
    },
    "replacedById" : 444206992591912, // Contact ID replacing this contact
    "staffSubstitutionId" : 281616710631478 // Substitution ID
  }]
}
```
## Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Required?</th>
<th>Data Type?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>calendarId</td>
<td>n</td>
<td>long</td>
<td>None or many calendar IDs to filter by.</td>
</tr>
<tr>
<td>shiftScheduleId</td>
<td>n</td>
<td>long</td>
<td>None or many shift IDs to filter by.</td>
</tr>
<tr>
<td>start</td>
<td>n</td>
<td>Date and Time</td>
<td>Beginning of the interval to search for.</td>
</tr>
<tr>
<td>end</td>
<td>n</td>
<td>Date and Time</td>
<td>End of the interval to search for.</td>
</tr>
<tr>
<td>days</td>
<td>n</td>
<td>integer</td>
<td>Number of days to search for.</td>
</tr>
<tr>
<td>include</td>
<td>n</td>
<td>string</td>
<td>What data you want to be included in the response.</td>
</tr>
<tr>
<td>field[entityType]</td>
<td>n</td>
<td>string</td>
<td>You can also ask for specific fields in the specified included objects by adding this parameter, e.g., field[contact]=paths to return the paths for the contacts.</td>
</tr>
</tbody>
</table>
shiftSchedule

A Shift Schedule defines a pattern of shifts that should occur in sequence over a fixed period of time.

shiftSchedule Fields

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Data Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>calendarId</td>
<td>integer</td>
<td>The ID of the Calendar associated to this resource.</td>
</tr>
<tr>
<td>colorIndicator</td>
<td>string</td>
<td>Defines the color used for shifts by the Calendar in the UI.</td>
</tr>
<tr>
<td>datesApplicable.from</td>
<td>string</td>
<td>The start date of date range.</td>
</tr>
<tr>
<td>datesApplicable.to</td>
<td>string</td>
<td>The end date of the date range.</td>
</tr>
<tr>
<td>groupId</td>
<td>integer</td>
<td>The ID of the group to which this ShiftSchedule is linked.</td>
</tr>
<tr>
<td>groupLinkAllowed</td>
<td>boolean</td>
<td>A transient field indicating if the ShiftSchedule may be linked to a group.</td>
</tr>
<tr>
<td>hasMinStaff</td>
<td>boolean</td>
<td>A transient field indicating whether minimum staff requirements exist.</td>
</tr>
<tr>
<td>icalUID</td>
<td>string</td>
<td>If created using ical import, a reference to the ical UID which generated this resource.</td>
</tr>
<tr>
<td>minStaffAllowed</td>
<td>boolean</td>
<td>A transient field indicating whether minimum staff requirements may be added to the ShiftSchedule. It is not permitted if staffing by group exists.</td>
</tr>
<tr>
<td>name</td>
<td>string</td>
<td>The name of the ShiftSchedule, unique to a Calendar.</td>
</tr>
<tr>
<td>numDays</td>
<td>integer</td>
<td>For variable day shifts, the number of days. Not required when weekStartsWith is set, as 7 is implied.</td>
</tr>
<tr>
<td>schedule.days</td>
<td>array of integers</td>
<td>Is an array of days in the schedule for which shift times apply.</td>
</tr>
<tr>
<td>schedule.shift</td>
<td>string</td>
<td>Defined the start and end times for the shift. An end time that is before start time will be treated as an overnight shift.</td>
</tr>
<tr>
<td>schedule.shift.start</td>
<td>string</td>
<td>Defines the start time for a shift, HH:MM format.</td>
</tr>
<tr>
<td>schedule.shift.end</td>
<td>string</td>
<td>Defines the end time for a shift, HH:MM format.</td>
</tr>
<tr>
<td>sequenceAllowed</td>
<td>boolean</td>
<td>A transient field indicating whether the ShiftSchedule may be sequenced. It is not permitted if staffing by group exists.</td>
</tr>
<tr>
<td>sequenced</td>
<td>boolean</td>
<td>If true, assignments will be notified in the order they are configured.</td>
</tr>
<tr>
<td>status</td>
<td>string</td>
<td>Indicates whether the resource is active or deleted.</td>
</tr>
<tr>
<td>timeZoneString</td>
<td>string</td>
<td>The time zone in which the shift is located. Since DST is not observed in all time zones and observed at different time in the year for many time zones, to avoid issues this should be the time zone where contacts are physically located when possible.</td>
</tr>
<tr>
<td>weekStartsWith</td>
<td>string</td>
<td>For week based shifts, the day of week for which the ShiftSchedule starts. Must be SUNDAY or may be null if numDays is configured.</td>
</tr>
</tbody>
</table>
GET /scheduling/{organizationId}/shiftSchedules

Description

Return a list of shiftSchedules within an organization.

Return type

shiftSchedule Object

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Required?</th>
<th>Data Type</th>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>y</td>
<td>string</td>
<td></td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>y</td>
<td>long</td>
<td></td>
<td>The ID of the organization that owns this resource.</td>
</tr>
<tr>
<td>fields</td>
<td>n</td>
<td>string</td>
<td></td>
<td>Fields to be included in the response.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Fields[resourceName] may be used to specify fields returned for included documents. When doing so, it is not necessary to also request to include the resource as the include is implied by the field's request.</td>
<td></td>
</tr>
<tr>
<td>include</td>
<td>n</td>
<td>string</td>
<td>&quot;calendar&quot;,</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>&quot;shiftSubstitution&quot;,</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>&quot;staffSchedule&quot;,</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>&quot;group&quot;</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Specifying the includes parameter will result in a compound document response, adding resources to included which have been referenced by resources returned in data. Include may be specified as a comma delimited list of resource names.</td>
<td></td>
</tr>
<tr>
<td>filter</td>
<td>n</td>
<td>string</td>
<td>Any non transient ShiftSchedule field</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Ex: filter[name], filter[numDays], filter[colorIndicator]</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Filter may be used to specify filter criteria for the request.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Filters are specified in the format of filter[fieldName], where fieldName is any field supported by this resource.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Multiple filter criteria will result in AND conditions, with the exception of multiple filters on the same field, in which case the criteria will be treated as an OR condition.</td>
<td></td>
</tr>
<tr>
<td>sort</td>
<td>n</td>
<td>string</td>
<td>Any non transient ShiftSchedule field</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Ex: name, numDays, colorIndicator</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Comma delimited list of fields to sort by.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>+/- can precede the field name to indicate direction (ascending/descending)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>+ is the default direction</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Ex: sort=status,-createdDate sorts by status ascending and createdDate descending</td>
<td></td>
</tr>
</tbody>
</table>
Example Response

```json
{
  "currentPageNo": 1,
  "totalPageCount": 9,
  "totalCount": 9,
  "pageSize": 1,
  "data": [
    {
      "id": 444206992590889,
      "type": "shiftSchedule",
      "accountId": 8800387990738,
      "calendarId": 444206992589855,
      "colorIndicator": "#9EBAD3",
      "createdDate": "2017-02-10T20:51:37Z",
      "createdId": 444206992589624,
      "createdName": "Richard Riley",
      "datesApplicable": {
        "from": "2017-02-10"
      },
      "lastModifiedDate": "2017-02-10T20:51:37Z",
      "lastModifiedId": 444206992589624,
      "lastModifiedName": "Elijah Backsen",
      "name": "!2 staff view 2aa!",
      "numDays": 7,
      "organizationId": 8800387991360,
      "resourceBundleId": 8800387991734,
      "schedule": [
        {
          "type": "day",
          "days": [1, 2, 3, 4, 5, 6, 7],
          "shift": {
            "end": "00:00",
            "start": "00:00"
          }
        }
      ]
    }
  ]
}
```
POST /scheduling/{organizationId}/shiftSchedules

Description
Create shiftSchedules within an organization.

Return Type
shiftSchedule Object

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Required?</th>
<th>Data Type?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>y</td>
<td>string</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>y</td>
<td>long</td>
<td>The ID of the Organization that owns this resource.</td>
</tr>
<tr>
<td>data</td>
<td>y</td>
<td>httpRequest Body</td>
<td>The ID or IDs (comma-delimited) of the resources to delete.</td>
</tr>
</tbody>
</table>
Example Request

```json
{
  "data": {
    "name": "Team Red Shift Schedule",
    "calendarId": 4442069925900214,
    "timeZoneString": "America/Los_Angeles",
    "colorIndicator": "#9EBAD3",
    "datesApplicable": {
      "from": "2017-07-27",
      "to": null
    },
    "staffTypeRequired": [],
    "numDays": 7,
    "schedule": [
      {
        "days": [1, 2, 3, 4, 5, 6, 7],
        "type": "day",
        "shift": {
          "start": "00:00",
          "end": "00:00"
        }
      }
    ],
    "sequenced": false,
    "weekStartsWith": "SUNDAY",
    "groupId": 0
  }
}
```
Example Response

```json
{
  "data": {
    "id": 444206992591114,
    "type": "shiftSchedule",
    "accountId": 8800387990738,
    "calendarId": 4442069925900214,
    "colorIndicator": "#9EBAD3",
    "createdDate": "2017-07-27T14:51:47Z",
    "createdId": 4442069925896214,
    "createdName": "Gina Downing",
    "datesApplicable": {
      "from": "2017-07-27"
    },
    "lastModifiedDate": "2017-07-27T14:51:47Z",
    "lastModifiedId": 4442069925896214,
    "lastModifiedName": "Taylor Marks",
    "name": "Team Red Shift Schedule",
    "numDays": 7,
    "organizationId": 8800387991360,
    "resourceBundleId": 8800387991734,
    "schedule": [
      {
        "type": "day",
        "days": [
          1,
          2,
          3,
          4,
          5,
          6,
          7
        ],
        "shift": {
          "end": "00:00",
          "start": "00:00"
        }
      }
    ],
    "sequenced": false,
    "staffTypeRequired": [
    ],
    "status": "A",
    "timeZoneString": "America/Los_Angeles",
    "weekStartsWith": "SUNDAY"
  }
}
```
GET /scheduling/{organizationId}/shiftSchedules/{ids}

Description
Return a list of shiftSchedules by ID within an organization.

Return Type
shiftSchedule Object

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Required?</th>
<th>Data Type</th>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>y</td>
<td>string</td>
<td></td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>y</td>
<td>long</td>
<td></td>
<td>The ID of the organization that owns this resource.</td>
</tr>
<tr>
<td>ids</td>
<td>y</td>
<td>string</td>
<td></td>
<td>The ID or IDs (comma-delimited) of the resources to find.</td>
</tr>
<tr>
<td>fields</td>
<td>n</td>
<td>string</td>
<td>Any non transient StaffSchedule field Ex: name, numDays, colorIndicator</td>
<td>Fields to be included in the response. Fields[resourceName] may be used to specify fields returned for included documents. When doing so, it is not necessary to also request to include the resource as the include is implied by the fields request.</td>
</tr>
<tr>
<td>include</td>
<td>n</td>
<td>string</td>
<td>&quot;calendar&quot;, &quot;shiftSubstitution&quot;, &quot;staffSchedule&quot;, &quot;group&quot;</td>
<td>Specifying the includes parameter will result in a compound document response, adding resources to included which have been referenced by resources returned in data. Include may be specified as a comma delimited list of resource names.</td>
</tr>
</tbody>
</table>
Example Response

{
  "data": {
    "id": 444206992589913,
    "type": "shiftSchedule",
    "accountId": 8800387990738,
    "calendarId": 444206992589232,
    "colorIndicator": "#9EBAD3",
    "createdDate": "2017-05-29T01:08:23Z",
    "createdId": 444206992589542,
    "createdName": "Jeffery Pool",
    "datesApplicable": {
      "from": "2017-05-29"
    },
    "lastModifiedDate": "2017-05-29T01:08:23Z",
    "lastModifiedId": 444206992589542,
    "lastModifiedName": "Haley Thompson",
    "name": "a",
    "numDays": 7,
    "organizationId": 8800387991360,
    "schedule": [
      {
        "type": "day",
        "days": [
          1,
          2,
          3,
          4,
          5,
          6,
          7
        ],
        "shift": {
          "end": "05:00",
          "start": "03:00"
        }
      }
    ],
    "sequenced": false,
    "staffTypeRequired": [],
    "status": "A",
    "timeZoneString": "Asia/Hong_Kong",
    "weekStartsWith": "SUNDAY"
  }
}
PUT /scheduling/{organizationId}/shiftSchedules/{ids}

**Description**

Update one or more shiftSchedule's by ID within an organization.

**Return Type**

shiftSchedule Object

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Required?</th>
<th>Data Type?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>y</td>
<td>string</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>y</td>
<td>long</td>
<td>The ID of the Organization that owns this resource.</td>
</tr>
<tr>
<td>ids</td>
<td>y</td>
<td>string</td>
<td>The ID or IDs (comma-delimited) of the resources to update.</td>
</tr>
<tr>
<td>data</td>
<td>y</td>
<td>httpRequest</td>
<td>The ID or IDs (comma-delimited) of the resources to delete.</td>
</tr>
</tbody>
</table>
Example Request

```json
{
    "data": {
        "name": "ED Nurse",
        "calendarId": 4442069925900214,
        "timeZoneString": "America/Los_Angeles",
        "colorIndicator": "#9EBAD3",
        "datesApplicable": {
            "from": "2017-07-27",
            "to": null
        },
        "staffTypeRequired": [],
        "numDays": 7,
        "schedule": [
            {
                "days": [1, 2, 3, 4, 5, 6, 7],
                "type": "day",
                "shift": {
                    "start": "00:00",
                    "end": "00:00"
                }
            }
        ],
        "sequenced": false,
        "weekStartsWith": "SUNDAY",
        "groupId": 0
    }
}
```
Example Response

```json
{
  "data": {
    "id": 44420692591114,
    "type": "shiftSchedule",
    "accountId": 8800387990738,
    "calendarId": 444206925900214,
    "colorIndicator": "#9EBAD3",
    "createdDate": "2017-07-27T14:51:47Z",
    "createdId": 444206925896214,
    "createdName": "Riley Ward",
    "datesApplicable": {
      "from": "2017-07-27"
    },
    "lastModifiedDate": "2017-07-27T14:51:47Z",
    "lastModifiedId": 444206925896214,
    "lastModifiedName": "Travis Red",
    "name": "ED Nurse",
    "numDays": 7,
    "organizationId": 8800387991360,
    "resourceBundleId": 8800387991734,
    "schedule": [
      {
        "type": "day",
        "days": [
          1,
          2,
          3,
          4,
          5,
          6,
          7
        ],
        "shift": {
          "end": "00:00",
          "start": "00:00"
        }
      }
    ],
    "sequenced": false,
    "staffTypeRequired": [],
    "status": "A",
    "timeZoneString": "America/Los_Angeles",
    "weekStartsWith": "SUNDAY"
  }
}
```
DELETE /scheduling/{organizationId}/shiftSchedules/{ids}

Description
Delete one or more shiftSchedules by ID within an organization.

Return Type
shiftSchedule Object

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Required?</th>
<th>Data Type?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>y</td>
<td>string</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>y</td>
<td>long</td>
<td>The ID of the Organization that owns this resource.</td>
</tr>
<tr>
<td>ids</td>
<td>y</td>
<td>string</td>
<td>The ID or IDs (comma-delimited) of the resources to update.</td>
</tr>
</tbody>
</table>
Example Response

{
  "data": {
    "id": 444206992591095,
    "type": "shiftSchedule",
    "accountId": 8800387990738,
    "calendarId": 444206992590018,
    "colorIndicator": "#9EBAD3",
    "createdDate": "2017-07-27T14:51:47Z",
    "createdId": 444206992589624,
    "createdName": "Taylor Marks",
    "datesApplicable": {
      "from": "2017-07-27"
    },
    "lastModifiedDate": "2017-07-27T18:01:38Z",
    "lastModifiedId": 444206992589678,
    "lastModifiedName": "Jason Fern",
    "name": "Trauma On-Call",
    "numDays": 7,
    "organizationId": 8800387991360,
    "resourceBundleId": 8800387991734,
    "schedule": [
      {
        "type": "day",
        "days": [1, 2, 3, 4, 5, 6, 7],
        "shift": {
          "end": "00:00",
          "start": "00:00"
        }
      }
    ],
    "sequenced": false,
    "staffTypeRequired": [],
    "status": "D",
    "timeZoneString": "America/Los_Angeles",
    "weekStartsWith": "SUNDAY"
  }
}
StaffSchedule

A Staff Schedule defines the assigned schedules to a staff member.

StaffSchedule Fields

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Data Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>calendarId</td>
<td>integer</td>
<td>The ID of the Calendar associated to this resource.</td>
</tr>
<tr>
<td>icalUID</td>
<td>string</td>
<td>If created using ical import, a reference to the ical UID which generated this resource.</td>
</tr>
<tr>
<td>minStaff</td>
<td>integer</td>
<td>The minimum staff number required.</td>
</tr>
<tr>
<td>name</td>
<td>string</td>
<td>The name of the StaffSchedule, unique to a ShiftSchedule.</td>
</tr>
<tr>
<td>recurrence</td>
<td>Recurrence</td>
<td>A valid repeat or period Recurrence. See Recurrences.</td>
</tr>
<tr>
<td>staffAssignments</td>
<td>StaffingAssignment</td>
<td>A valid contact, group, or mixed staffing assignment. See Staff Assignments.</td>
</tr>
<tr>
<td>seq</td>
<td>integer</td>
<td>Defines the order of the StaffSchedule layer.</td>
</tr>
<tr>
<td>shiftScheduleId</td>
<td>integer</td>
<td>The ID of the ShiftSchedule associated to this resource.</td>
</tr>
<tr>
<td>staffEachDay</td>
<td>boolean</td>
<td>Indicates whether staffing is different for each day of the shift.</td>
</tr>
<tr>
<td>staffRotation</td>
<td>staffRotation</td>
<td>A valid staffRotation. See Staff Rotation.</td>
</tr>
<tr>
<td>status</td>
<td>string</td>
<td>Indicates whether the resource is active or deleted.</td>
</tr>
</tbody>
</table>

GET /scheduling/{organizationId}/staffSchedules

Description

Retrieve all staffSchedules for an organization.

Return Type

shiftSchedule Object

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Required?</th>
<th>Data Type</th>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>y</td>
<td>string</td>
<td></td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>y</td>
<td>long</td>
<td></td>
<td>The ID of the Organization that owns this resource.</td>
</tr>
</tbody>
</table>
### Table: Scheduling Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Required?</th>
<th>Data Type</th>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>fields</td>
<td>n</td>
<td>string</td>
<td>Any StaffSchedule field</td>
<td>Fields to be included in the response. Fields[resourceName] may be used to specify fields returned for included documents. When doing so, it is not necessary to also request to include the resource as the include is implied by the fields request.</td>
</tr>
<tr>
<td>include</td>
<td>n</td>
<td>string</td>
<td>&quot;calendar&quot;, &quot;shiftSchedule&quot;, &quot;contact&quot;, &quot;group&quot;</td>
<td>Specifying the includes parameter will result in a compound document response, adding resources to included which have been referenced by resources returned in data.</td>
</tr>
<tr>
<td>filter</td>
<td>n</td>
<td>string</td>
<td>Any non transient StaffSchedule field</td>
<td>Filter may be used to specify filter criteria for the request. Filters are specified in the format of filter[fieldName], where fieldName is any field supported by this resource. Multiple filter criteria will result in AND conditions, with the exception of multiple filters on the same field, in which case the criteria will be treated as an OR condition.</td>
</tr>
<tr>
<td>sort</td>
<td>n</td>
<td>string</td>
<td>Any non transient StaffSchedule field</td>
<td>Specifies sort order. Comma-delimited list of fields to sort by. +/- can precede the field name to indicate direction (ascending/descending). + is the default direction. Ex. sort=status,-createdDate sorts by status ascending and createdDate descending</td>
</tr>
<tr>
<td>pageSize</td>
<td>n</td>
<td>integer</td>
<td>default of 10</td>
<td>format - int32</td>
</tr>
<tr>
<td>pageNo</td>
<td>n</td>
<td>integer</td>
<td>default of 1</td>
<td>format - int32</td>
</tr>
</tbody>
</table>
Example Response

```json
{
  "currentPageNo": 1,
  "totalPageCount": 2,
  "totalCount": 83,
  "pageSize": 20,
  "data": [
    {
      "id": 444206992588829,
      "type": "staffSchedule",
      "accountId": 8800387990738,
      "createdDate": "2017-06-18T18:58:50Z",
      "createdId": 444206992589476,
      "createdName": "Riley Ward",
      "lastModifiedDate": "2017-06-18T18:58:50Z",
      "lastModifiedId": 444206992589476,
      "lastModifiedName": "Taylor Marks",
      "name": "Network layer",
      "organizationId": 8800387991360,
      "recurrence": {
        "type": "periodic",
        "datesApplicable": {
          "from": "2017-06-18"
        },
        "everyNRecurrence": 1
      },
      "resourceBundleId": 8800387991734,
      "shiftScheduleId": 444206992589754,
      "staffAssignments": [
        {
          "type": "contact",
          "contactIds": [470595271656078]
        },
        {
          "type": "contact",
          "days": [1]
        },
        {
          "type": "contact",
          "days": [6]
        }
      ]
    }
  ]
}```
"days": [
  4
],
"type": "contact",
"days": [
  2
],
"status": "A"
},
{"id": 444206992588830,
"type": "staffSchedule",
"accountId": 8800387990738,
"createdDate": "2017-06-18T19:36:28Z",
"createdId": 444206992589476,
"createdName": "Jeffery Pool",
"lastModifiedDate": "2017-07-20T06:24:18Z",
"lastModifiedId": 444206992589556,
"lastModifiedName": "Elijah Backsen",
"name": "layer2",
"organizationId": 8800387991360,
"recurrence": {
  "type": "occurrence",
  "datesApplicable": [
    "2017-06-18"
  ]
},
"resourceBundleId": 8800387991734,
"shiftScheduleId": 444206992589754,
"staffAssignments": [
  {
    "type": "contact",
    "contactIds": [
      470595271656078
    ]
  }
],
"status": "A"}
POST /scheduling/{organizationId}/staffSchedules

Description
Create staffSchedule(s) for an organization.

Return Type
staffSchedule Object

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Required?</th>
<th>Data Type?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>y</td>
<td>string</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>y</td>
<td>long</td>
<td>The ID of the Organization that owns this resource.</td>
</tr>
<tr>
<td>data</td>
<td>y</td>
<td>httpRequest</td>
<td>A StaffSchedule object or array of substitution objects to be created.</td>
</tr>
</tbody>
</table>
Example Request

```json
{
    "data": {
        "id": 444206992591166,
        "type": "shiftSchedule",
        "accountId": 8800387990738,
        "calendarId": 4442069925900214,
        "colorIndicator": "#9EBAD3",
        "createdDate": "2017-07-27T14:51:47Z",
        "createdId": 4442069925896214,
        "createdName": "Jeffery Pool",
        "datesApplicable": {
            "from": "2017-07-27"
        },
        "lastModifiedDate": "2017-07-27T14:51:47Z",
        "lastModifiedId": 4442069925896214,
        "lastModifiedName": "Gina Downing",
        "name": "Surgeon On-Call Shift",
        "numDays": 7,
        "organizationId": 8800387991360,
        "resourceBundleId": 8800387991734,
        "schedule": [
            {
                "type": "day",
                "days": [
                    1,
                    2,
                    3,
                    4,
                    5,
                    6,
                    7
                ],
                "shift": {
                    "end": "00:00",
                    "start": "00:00"
                }
            }
        ],
        "sequenced": false,
        "staffTypeRequired": [
        ],
        "status": "A",
        "timeZoneString": "America/Los_Angeles",
        "weekStartsWith": "SUNDAY"
    }
}
```
Example Response

```json
{
   "data": {
      "recurrence": {
         "type": "periodic",
         "everyNRecurrence": "1",
         "datesApplicable": {
            "from": "2017-07-27",
            "to": null
         }
      },
      "staffEachDay": false,
      "name": "",
      "staffRotation": null,
      "staffAssignments": [
         {
            "type": "mixed",
            "ids": [
               {
                  "id": "906001876633037",
                  "type": "contact"
               }
            ],
            "days": [1, 2, 3, 4, 5, 6, 7]
         }
      ],
      "shiftScheduleId": 444206992591166,
      "minStaff": 0
   }
}
```
GET /scheduling/{organizationId}/staffSchedules/{ids}

**Description**

Retrieve one or more staffSchedule(s) by ID for an organization.

**Return Type**

staffSchedule Object

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Required?</th>
<th>Data Type</th>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>y</td>
<td>string</td>
<td></td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>y</td>
<td>long</td>
<td></td>
<td>The ID of the Organization that owns this resource.</td>
</tr>
<tr>
<td>ids</td>
<td>y</td>
<td>string</td>
<td></td>
<td>The ID or IDs (comma-delimited) of the resources to find.</td>
</tr>
<tr>
<td>fields</td>
<td>n</td>
<td>string</td>
<td></td>
<td>Any StaffSchedule field Ex: name, seq, shiftScheduleId \</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Fields to be included in the response.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Fields[resourceName] may be used to specify \</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>fields returned for included documents. When \</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>doing so, it is not necessary to also request to \</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>include the resource as the include is implied by the fields request.</td>
</tr>
<tr>
<td>include</td>
<td>n</td>
<td>string</td>
<td>&quot;calendar&quot;, &quot;shiftSchedule&quot;, &quot;contact&quot;, &quot;group&quot;</td>
<td>Specifying the includes parameter will result in a compound document response, adding resources to included which have been referenced by resources returned in data. Include may be specified as a comma-delimited list of resource names.</td>
</tr>
</tbody>
</table>
Example Response

```json
{
   "data": {
      "id": 444206992588828,
      "type": "staffSchedule",
      "accountId": 8800387990738,
      "createdDate": "2017-06-18T18:57:40Z",
      "createdId": 444206992589476,
      "createdName": "Gina Downing",
      "lastModifiedDate": "2017-06-18T18:59:24Z",
      "lastModifiedId": 444206992589476,
      "lastModifiedName": "Haley Thompson",
      "name": "db team",
      "organizationId": 8800387991360,
      "recurrence": {
         "type": "occurrence",
         "datesApplicable": [
            "2017-06-18"
         ]
      },
      "resourceBundleId": 8800387991734,
      "shiftScheduleId": 444206992589754,
      "staffAssignments": [
         {
            "type": "contact",
            "contactIds": [
               470595271656078
            ]
         }
      ],
      "status": "A"
   }
}
```

**PUT /scheduling/{organizationId}/staffSchedules/{ids}**

**Description**

Update one or more staffSchedules by ID for an organization.

**Return Type**

StaffSchedule Object
## Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Required?</th>
<th>Data Type?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>y</td>
<td>string</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>y</td>
<td>long</td>
<td>The ID of the Organization that owns this resource.</td>
</tr>
<tr>
<td>ids</td>
<td>y</td>
<td>string</td>
<td>The ID or IDs (comma-delimited) of the resources to update.</td>
</tr>
<tr>
<td>data</td>
<td>y</td>
<td>httpRequest Body</td>
<td>A StaffSchedule object to be updated. Supports partial updates - one or more fields may be included in the request and only the fields specified will be updated. To remove a field, the field must be explicitly passed with a null value. PUT is treated as PATCH as object replacement is not supported..</td>
</tr>
</tbody>
</table>


Example Request

{
  "data": {
    "recurrence": {
      "type": "periodic",
      "everyNRecurrence": "1",
      "datesApplicable": {
        "from": "2017-07-27",
        "to": null
      }
    },
    "staffEachDay": false,
    "name": "First floor schedule",
    "staffRotation": null,
    "staffAssignments": [
      {
        "type": "mixed",
        "ids": [
          {
            "id": "90600187663037",
            "type": "contact"
          }
        ],
        "days": [1, 2, 3, 4, 5, 6, 7]
      }
    ],
    "shiftScheduleId": 4442069925910914,
    "minStaff": 0
  }
}
Example Response

```json
{
    "data": {
        "id": 4442069925902314,
        "type": "staffSchedule",
        "accountId": 8800387990738,
        "calendarId": 4442069925900214,
        "createdDate": "2017-07-27T14:57:04Z",
        "createdId": 4442069925896214,
        "createdName": "Jason Fern",
        "lastModifiedDate": "2017-07-27T14:57:05Z",
        "lastModifiedId": 4442069925896214,
        "lastModifiedName": "Richard Riley",
        "minStaff": 0,
        "name": "First floor schedule",
        "organizationId": 8800387991360,
        "recurrence": {
            "type": "periodic",
            "datesApplicable": {
                "from": "2017-07-27"
            },
            "everyNRecurrence": 1
        },
        "resourceBundleId": 8800387991734,
        "seq": 1,
        "shiftScheduleId": 4442069925910914,
        "staffAssignments": [
            {
                "type": "mixed",
                "days": [1, 2, 3, 4, 5, 6, 7],
                "ids": [
                    {
                        "id": 9060018766330414,
                        "type": "contact"
                    }
                ]
            }
        ],
        "staffEachDay": false,
        "status": "A"
    }
}
```
DELETE /scheduling/{organizationId}/staffSchedules/{ids}

Description
Delete one or more staffSchedules for an organization.

Return Type
staffSchedule Object

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Required?</th>
<th>Data Type?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>y</td>
<td>string</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>y</td>
<td>long</td>
<td>The ID of the Organization that owns this resource.</td>
</tr>
<tr>
<td>ids</td>
<td>y</td>
<td>string</td>
<td>The ID or IDs (comma-delimited) of the resources to update.</td>
</tr>
</tbody>
</table>
Shift Substitutions

Override staff for a shift for a specific day.

shiftSubstitution Fields

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Data Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>calendarId</td>
<td>integer</td>
<td>The ID of the Calendar associated to this resource.</td>
</tr>
<tr>
<td>icalUID</td>
<td>string</td>
<td>If created using ical import, a reference to the ical UID which generated this resource.</td>
</tr>
<tr>
<td>shiftScheduleId</td>
<td>integer</td>
<td>The ID of the ShiftSchedule associated to this resource.</td>
</tr>
<tr>
<td>status</td>
<td>string</td>
<td>Indicates whether the resource is active or deleted.</td>
</tr>
<tr>
<td>recurrence</td>
<td>Recurrence</td>
<td>A valid occurrence Recurrence. See Recurrences.</td>
</tr>
<tr>
<td>staffAssignment</td>
<td>StaffingAssignment</td>
<td>A valid contact, group, or mixed staffing assignment. See Staff Assignments.</td>
</tr>
<tr>
<td>timeZoneString</td>
<td>string</td>
<td>A valid timezone.</td>
</tr>
</tbody>
</table>

GET /scheduling/{organizationId}/shiftSubstitutions

Description

Retrieve shiftSubstitution(s) for an organization (Override).

Return Type

shiftSubstitutions Object

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Required?</th>
<th>Data Type</th>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>y</td>
<td>string</td>
<td></td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>y</td>
<td>long</td>
<td></td>
<td>The ID of the Organization that owns this resource.</td>
</tr>
</tbody>
</table>
### Shift Substitutions

<table>
<thead>
<tr>
<th>Name</th>
<th>Required?</th>
<th>Data Type</th>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>fields</td>
<td>n</td>
<td>string</td>
<td>Any ShiftSubstitution field</td>
<td>Fields to be included in the response. Fields[resourceName] may be used to specify fields returned for included documents. When doing so, it is not necessary to also request to include the resource as the include is implied by the fields request.</td>
</tr>
<tr>
<td>include</td>
<td>n</td>
<td>string</td>
<td>&quot;calendar&quot;, &quot;shiftSchedule&quot;, &quot;contact&quot;, &quot;group&quot;</td>
<td>Specifying the includes parameter will result in a compound document response, adding resources to included which have been referenced by resources returned in data. Include may be specified as a comma-delimited list of resource names.</td>
</tr>
<tr>
<td>filter</td>
<td>n</td>
<td>string</td>
<td>Any non transient ShiftSubstitution field</td>
<td>Filter may be used to specify filter criteria for the request. Filters are specified in the format of filter[fieldName], where fieldName is any field supported by this resource. multiple filter criteria will result in AND conditions, with the exception of multiple filters on the same field, in which case the criteria will be treated as an OR condition.</td>
</tr>
<tr>
<td>sort</td>
<td>n</td>
<td>string</td>
<td>Any non transient ShiftSubstitution field</td>
<td>Comma-delimited list of fields to sort by. +/- can precede the field name to indicate direction (ascending/descending). + is the default direction. Ex. sort=status,-createdDate sorts by status ascending and createdDate descending</td>
</tr>
<tr>
<td>pageSize</td>
<td>n</td>
<td>integer</td>
<td>default of 10, format - int32</td>
<td>The number of records per page to be included in the response.</td>
</tr>
<tr>
<td>pageNo</td>
<td>n</td>
<td>integer</td>
<td>default of 1, format - int32</td>
<td>The page to be returned.</td>
</tr>
</tbody>
</table>
Example Response

```json
{
  "currentPageNo": 1,
  "totalPageCount": 16,
  "totalCount": 16,
  "pageSize": 1,
  "data": [
    {
      "id": 4705952716554314,
      "type": "shiftSubstitution",
      "accountId": 8800387990738,
      "createdDate": "2017-07-18T18:48:22Z",
      "createdId": 4442069925894814,
      "createdName": "Jeffery Pone",
      "lastModifiedDate": "2017-07-18T18:48:22Z",
      "lastModifiedId": 4442069925894814,
      "lastModifiedName": "Gina Marks",
      "organizationId": 8800387991360,
      "recurrence": {
        "type": "occurrence",
        "datesApplicable": [
          "2017-07-17"
        ]
      },
      "resourceBundleId": 8800388991533,
      "shiftScheduleId": 4442069925897617,
      "staffAssignment": {
        "type": "contact",
        "contactIds": [
          4705952716560814
        ]
      },
      "status": "A"
    }
  ]
}
```
POST/scheduling/{organizationId}/shiftSubstitutions

Description
Create shiftSubstitution(s) for an organization (Override).

Return type
shiftSubstitution Object

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Required?</th>
<th>Data Type?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>y</td>
<td>string</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>y</td>
<td>long</td>
<td>The ID of the Organization that owns this resource.</td>
</tr>
<tr>
<td>data</td>
<td>y</td>
<td>httpRequest</td>
<td>A substitution object or array of substitution objects to be created.</td>
</tr>
</tbody>
</table>
Example Request

{
   "data":{
      "type":"shiftSubstitution",
      "recurrence":{
         "type":"repeat",
         "datesApplicable":{
            "from":"2017-07-03",
            "to":"2017-07-03"
         }
      },
      "staffAssignment":{
         "type":"contact",
         "contactIds":[
            11111
         ]
      },
      "shiftScheduleId":1
   }
}
Example Response

```json
{
    "data": {
        "id": 4442069925902314,
        "type": "staffSchedule",
        "accountId": 8800387990738,
        "calendarId": 4442069925900214,
        "createdDate": "2017-07-27T14:57:04Z",
        "createdId": 4442069925896214,
        "createdName": "Russell Lewis",
        "lastModifiedDate": "2017-07-27T14:57:05Z",
        "lastModifiedId": 4442069925896214,
        "lastModifiedName": "Russell Lewis",
        "minStaff": 0,
        "name": "Nurse Schedule",
        "organizationId": 8800387991360,
        "recurrence": {
            "type": "periodic",
            "datesApplicable": {
                "from": "2017-07-27"
            },
            "everyNRecurrence": 1
        },
        "resourceBundleId": 8800387991734,
        "seq": 1,
        "shiftScheduleId": 4442069925910914,
        "staffAssignments": [
            {
                "type": "mixed",
                "days": [
                    1,
                    2,
                    3,
                    4,
                    5,
                    6,
                    7
                ],
                "ids": [
                    {
                        "id": 9060018766330414,
                        "type": "contact"
                    }
                ]
            },
            "staffEachDay": false,
            "status": "A"
        }
    }
}
```
GET/scheduling/{organizationId}/shiftSubstitutions/{ids}

Description

Retrieve shiftSubstitution(s) for an organization (Override).

Return Type

shiftSubstitution Object

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Required?</th>
<th>Data Type</th>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>y</td>
<td>string</td>
<td></td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>y</td>
<td>long</td>
<td></td>
<td>The ID of the organization that owns this resource.</td>
</tr>
<tr>
<td>ids</td>
<td>y</td>
<td>string</td>
<td></td>
<td>The ID or IDs (comma-delimited) of the resources to update.</td>
</tr>
<tr>
<td>fields</td>
<td>n</td>
<td>string</td>
<td>AnyShiftSubstitution field Ex: calendarId, shiftScheduleId</td>
<td>Fields to be included in the response. Fields[resourceName] may be used to specify fields returned for included documents. When doing so, it is not necessary to also request to include the resource as the include is implied by the fields request.</td>
</tr>
<tr>
<td>include</td>
<td>n</td>
<td>string</td>
<td>&quot;calendar&quot;, &quot;shiftSchedule&quot;, &quot;contact&quot;, &quot;group&quot;</td>
<td>Specifying the includes parameter will result in a compound document response, adding resources to included which have been referenced by resources returned in data. Include may be specified as a comma-delimited list of resource names.</td>
</tr>
</tbody>
</table>
Example Response

```json
{
    "data": {
        "id": 444206992589018,
        "type": "shiftSubstitution",
        "accountId": 8800387990738,
        "createdDate": "2017-01-27T16:15:36Z",
        "createdId": 444206992589563,
        "createdName": "",
        "lastModifiedDate": "2017-01-27T16:15:36Z",
        "lastModifiedId": 444206992589563,
        "lastModifiedName": "Haley Thompson",
        "organizationId": 8800387991360,
        "recurrence": {
            "type": "occurrence",
            "datesApplicable": [
                "2017-01-29"
            ]
        },
        "shiftScheduleId": 444206992590061,
        "staffAssignment": {
            "type": "contact"
        },
        "status": "A"
    }
}
```

**PUT/scheduling/{organizationId}/shiftSubstitutions/{ids}**

**Description**

Update shiftSubstitution(s) for an organization (Override).

**Return Type**

shiftSubstitution Object
Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Required?</th>
<th>Data Type?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>y</td>
<td>string</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>y</td>
<td>long</td>
<td>The ID of the Organization that owns this resource.</td>
</tr>
<tr>
<td>ids</td>
<td>y</td>
<td>string</td>
<td>The ID or IDs (comma-delimited) of the resources to update.</td>
</tr>
<tr>
<td>data</td>
<td>y</td>
<td>httpRequest Body</td>
<td>A ShiftSchedule object to be updated. Supports partial updates - one or more fields may be included in the request and only the fields specified will be updated. To remove a field, the field must be explicitly passed with a null value. PUT is treated as PATCH as object replacement is not supported.</td>
</tr>
</tbody>
</table>

Example Request

```json
{
  "data":{
    "type":"shiftSubstitution",
    "recurrence":{
      "type": "repeat",
      "datesApplicable":{
        "from": "2017-05-03",
        "to": "2017-06-03"
      }
    },
    "staffAssignment":{
      "type": "contact",
      "contactIds": [11111]
    },
    "shiftScheduleId": 1
  }
}
```
Example Response

```json
{
    "data": {
        "id": 4442069925902314,
        "type": "staffSchedule",
        "accountId": 8800387990738,
        "calendarId": 4442069925900214,
        "createdDate": "2017-07-27T14:57:04Z",
        "createdId": 4442069925896214,
        "createdName": "Jeffery Pool",
        "lastModifiedDate": "2017-07-27T14:57:05Z",
        "lastModifiedId": 4442069925896214,
        "lastModifiedName": "Riley Ward",
        "minStaff": 0,
        "name": "test staffing layer",
        "organizationId": 8800387991360,
        "recurrence": {
            "type": "periodic",
            "datesApplicable": {
                "from": "2017-07-27"
            },
            "everyNRecurrence": 1
        },
        "resourceBundleId": 8800387991734,
        "seq": 1,
        "shiftScheduleId": 4442069925910914,
        "staffAssignments": [
            {
                "type": "mixed",
                "days": [1, 2, 3, 4, 5, 6, 7],
                "ids": [
                    {
                        "id": 906001876630414,
                        "type": "contact"
                    }
                ],
                "staffEachDay": false,
                "status": "A"
            }
        ]
    }
}```
DELETE/scheduling/{organizationId}/shiftSubstitutions/{ids}

Description
Delete shiftSubstitution(s) for an organization (Override).

Return Type
shiftSubstitution Object

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Required?</th>
<th>Data Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>y</td>
<td>string</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>y</td>
<td>long</td>
<td>The ID of the Organization that owns this resource.</td>
</tr>
<tr>
<td>ids</td>
<td>y</td>
<td>string</td>
<td>The ID or IDs (comma-delimited) of the resources to delete.</td>
</tr>
</tbody>
</table>
Example Response

```json
{
    "data": {
        "id": 444206992588805,
        "type": "shiftSubstitution",
        "accountId": 8800387990738,
        "createdDate": "2017-06-22T11:55:12Z",
        "createdId": 444206992589476,
        "createdName": "Taylor Marks",
        "lastModifiedDate": "2017-07-28T19:11:35Z",
        "lastModifiedId": 444206992589678,
        "lastModifiedName": "Elijah Backsen",
        "organizationId": 8800387991360,
        "recurrence": {
            "type": "occurrence",
            "datesApplicable": []
        },
        "resourceBundleId": 8800387991734,
        "shiftScheduleId": 444206992589763,
        "staffAssignment": {
            "type": "contact",
            "contactIds": [470595271656078]
        },
        "status": "D"
    }
}
```
Substitutions define exceptions to the schedule, where individual staff or all staff assigned to a shiftSchedule or calendar are either unavailable or replaced.

Absence of a staffAssignment indicates the substitution indicates unavailability. Presence of a staffAssignment, indicates the substitution indicates a replacement.

Validations

- datesApplicable.from and datesApplicable.to are required. time.start and time.end are optional.
  - If an iCal recurrence is specified and end date is included in the expression, datesApplicable.to is optional.
    - If datesApplicable.to is configured it will constrain, but not extend the applicable dates.
  - if the iCal recurrence expression indicates an end date of 2017-02-25 and datesApplicable.to is configured as 2017-02-15, then the recurrence will end on 2017-02-15.
- A recurrence pattern is required.
- timeZoneString is required if calendarId or shiftScheduleId is not configured.
- calendarId must be the ID of a valid, active Calendar.

A Staff Substitution defines an exception that can occur or recur over time to replace or remove a staff member from the schedule.

- Applies to a calendar using the calendarId.
- Defines Replacement when staffAssignment is specified, Unavailability otherwise.
- Recurrence may specify any available recurrence pattern (see below).
- Time may optionally specify a period of time on the configured days for which the substitution applies. This may result in partial availability for a shift.
Replacement

{  
  "data": {  
    "type": "staffSubstitution",  
    "attributes": {  
      "contactId": 1,  
      "recurrence": {  
        "type": "repeat",  
        "datesApplicable": {  
          "from": "2017-01-03",  
          "to": "2017-02-03"  
        }  
      },  
      "staffAssignment": {  
        "type": "contact",  
        "contactIds": [  
          33333  
        ]  
      },  
      "calendarId": 1  
    }  
  }  
}
Unavailable

```
{
    "data": {
        "type": "staffSubstitution",
        "attributes": {
            "contactId": 1,
            "recurrence": {
                "type": "occurrence",
                "datesApplicable": ["2017-06-06", "2017-06-07"]
            },
            "time": {
                "start": "07:00",
                "end": "19:00"
            },
            "calendarId": 1
        }
    }
}
```

### Substitution Fields

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Data Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>calendarId</td>
<td>integer</td>
<td>The ID of the Calendar associated to this resource.</td>
</tr>
<tr>
<td>contactId</td>
<td>integer</td>
<td>The ID of the Contact for which the substitution applies. The unavailable or replaced Contact.</td>
</tr>
<tr>
<td>status</td>
<td>string</td>
<td>Indicates whether the resource is active or deleted.</td>
</tr>
<tr>
<td>recurrence</td>
<td>Recurrence</td>
<td>A valid occurrence Recurrence. See Recurrences.</td>
</tr>
<tr>
<td>staffAssignment</td>
<td>StaffingAssignment</td>
<td>A valid contact staffing assignment. See Staff Assignments. The replacement contact.</td>
</tr>
<tr>
<td>timeZoneString</td>
<td>string</td>
<td>A valid timezone.</td>
</tr>
</tbody>
</table>
GET /scheduling/{organizationId}/substitutions

Description

Return a list of Scheduling Substitutions within an organization (Unavailable/Replacement).

Return Type

Substitutions Object

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Required?</th>
<th>Data Type</th>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>y</td>
<td>string</td>
<td></td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>y</td>
<td>long</td>
<td></td>
<td>The ID of the Organization that owns this resource.</td>
</tr>
<tr>
<td>fields</td>
<td>n</td>
<td>string</td>
<td>Any StaffSubstitution field</td>
<td>Fields to be included in the response. Fields[resourceName] may be used to specify fields returned for included documents. When doing so, it is not necessary to also request to include the resource as the include is implied by the fields request.</td>
</tr>
<tr>
<td>include</td>
<td>n</td>
<td>string</td>
<td>&quot;contact&quot;, &quot;calendar&quot;</td>
<td>Specifying the includes parameter will result in a compound document response, adding resources to included which have been referenced by resources returned in data. Include may be specified as a comma-delimited list of resource names.</td>
</tr>
<tr>
<td>filter</td>
<td>n</td>
<td>string</td>
<td>Any non transient StaffSubstitution field</td>
<td>Filter may be used to specify filter criteria for the request. Filters are specified in the format of filter[fieldName], where fieldName is any field supported by this resource. Multiple filter criteria will result in AND conditions, with the exception of multiple filters on the same field, in which case the criteria will be treated as an OR condition.</td>
</tr>
<tr>
<td>sort</td>
<td>n</td>
<td>string</td>
<td>Any non transient StaffSubstitution field</td>
<td>Comma-delimited list of fields to sort by. +/‐ can precede the field name to indicate direction (ascending/descending) + is the default direction. Ex. sort=status,‐createdDate sorts by status ascending and createdDate descending</td>
</tr>
</tbody>
</table>
### Scheduling

<table>
<thead>
<tr>
<th>Name</th>
<th>Required?</th>
<th>Data Type</th>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>pageSize</td>
<td>n</td>
<td>integer</td>
<td>default of 10</td>
<td>The number of records per page to be included in the response.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>format - int32</td>
<td></td>
</tr>
<tr>
<td>pageNo</td>
<td>n</td>
<td>integer</td>
<td>default of 1</td>
<td>The page to be returned.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>format - int32</td>
<td></td>
</tr>
</tbody>
</table>
Example Response

```json
{
    "currentPageNo": 1,
    "totalPageCount": 16,
    "totalCount": 16,
    "pageSize": 1,
    "data": [
      {
        "id": 4705952711654314,
        "type": "shiftSubstitution",
        "accountId": 8800387990738,
        "createdAt": "2017-07-18T18:48:22Z",
        "createdId": 4442069925894814,
        "createdName": "Richard Riley",
        "lastModifiedAt": "2017-07-18T18:48:22Z",
        "lastModifiedId": 4442069925894814,
        "lastModifiedName": "Travis Red",
        "organizationId": 8800387991360,
        "recurrence": {
          "type": "occurrence",
          "datesApplicable": [
            "2017-07-17"
          ]
        },
        "resourceBundleId": 8800387991733,
        "shiftScheduleId": 4442069925897617,
        "staffAssignment": {
          "type": "contact",
          "contactIds": [
            4705952716560814
          ]
        },
        "status": "A"
      }
    ]
  }
```
**POST /scheduling/{organizationId}/substitutions**

**Description**

Create scheduling substitutions for an organization (Unavailable/Replacement).

**Return Type**

substitution Object

**Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Required?</th>
<th>Data Type?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>y</td>
<td>string</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>y</td>
<td>long</td>
<td>The ID of the Organization that owns this resource.</td>
</tr>
<tr>
<td>data</td>
<td>y</td>
<td>httpRequest</td>
<td>A substitution object or array of substitution objects to be created.</td>
</tr>
</tbody>
</table>
Example Request

```json
{
  "data": {
    "type": "staffSubstitution",
    "contactId": 4530030856112314,
    "calendarId": 4442069925900214,
    "timeZoneString": "America/Los_Angeles",
    "recurrence": {
      "type": "ical",
      "rrule": null,
      "datesApplicable": {
        "from": "2017-07-27",
        "to": "2017-07-27"
      }
    },
    "event": {
      "start": "2017-07-27T00:00",
      "end": "2017-07-28T00:00"
    }
  }
}
```
Example Response

```
{
  "data": {
    "id": 444206992590614,
    "type": "staffSubstitution",
    "accountId": 8800387990738,
    "calendarId": 444206992500214,
    "contactId": 4530030856112314,
    "createdDate": "2017-07-27T15:09:28Z",
    "createdId": 444269925896214,
    "createdName": "Taylor Marks",
    "lastModifiedDate": "2017-07-27T15:09:28Z",
    "lastModifiedId": 4442069925896214,
    "lastModifiedName": "Taylor Marks",
    "organizationId": 8800387991360,
    "recurrence": {
      "type": "ical",
      "datesApplicable": {
        "from": "2017-07-27",
        "to": "2017-07-27"
      },
      "event": {
        "end": "2017-07-28T00:00:00",
        "start": "2017-07-27T00:00:00"
      },
      "resourceBundleId": 4442069925891514,
      "status": "A",
      "timeZoneString": "America\/Los_Angeles"
    }
  }
}
```

GET /scheduling/{organizationId}/substitutions/{ids}

Description

Retrieve scheduling substitution(s) by ID for an organization (Unavailable/Replacement).

Return Type

substitutions Object
Parameters:

<table>
<thead>
<tr>
<th>Name</th>
<th>Required?</th>
<th>Data Type</th>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>y</td>
<td>string</td>
<td></td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>y</td>
<td>long</td>
<td></td>
<td>The ID of the organization that owns this resource.</td>
</tr>
<tr>
<td>ids</td>
<td>y</td>
<td>string</td>
<td></td>
<td>The ID or IDs (comma-delimited) of the resources to update.</td>
</tr>
<tr>
<td>fields</td>
<td>n</td>
<td>string</td>
<td>Any non transient StaffSubstitution field Ex: calendarId, contactId</td>
<td>Fields to be included in the response. Fields[resourceName] may be used to specify fields returned for included documents. When doing so, it is not necessary to also request to include the resource as the include is implied by the fields request.</td>
</tr>
<tr>
<td>include</td>
<td>n</td>
<td>string</td>
<td>&quot;calendar&quot;, &quot;contact&quot;</td>
<td>Specifying the includes parameter will result in a compound document response, adding resources to included which have been referenced by resources returned in data. Include may be specified as a comma-delimited list of resource names.</td>
</tr>
</tbody>
</table>
Example Response

```json
{
  "data": {
    "id": 444206992589325,
    "type": "staffSubstitution",
    "accountId": 8800387990738,
    "contactId": 444206992589041,
    "createdDate": "2017-05-16T01:04:45Z",
    "createdId": 444206992589578,
    "createdName": "Riley Ward",
    "lastModifiedDate": "2017-05-16T01:04:45Z",
    "lastModifiedId": 444206992589578,
    "lastModifiedName": "Haley Thompson",
    "organizationId": 8800387991360,
    "reccurrence": {
      "type": "ical",
      "datesApplicable": {
        "from": "2017-05-18",
        "to": "2017-05-19"
      },
      "event": {
        "end": "2017-05-20T00:00:00",
        "start": "2017-05-18T00:00:00"
      }
    },
    "status": "A",
    "timeZoneString": "America/Jamaica"
  }
}
```

**PUT /scheduling/{organizationId}/substitutions/{ids}**

**Description**
Update scheduling substitution(s) by ID for an organization (Unavailable/Replacement).

**Return Type**
substitution Object
Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Required?</th>
<th>Data Type?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>y</td>
<td>string</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>y</td>
<td>long</td>
<td>The ID of the Organization that owns this resource.</td>
</tr>
<tr>
<td>ids</td>
<td>y</td>
<td>string</td>
<td>The ID or IDs (comma-delimited) of the resources to update.</td>
</tr>
<tr>
<td>data</td>
<td>y</td>
<td>httpRequest Body</td>
<td>A substitution object to be updated. Supports partial updates - one or more fields may be included in the request and only the fields specified will be updated. To remove a field, the field must be explicitly passed with a null value. PUT is treated as PATCH as object replacement is not supported.</td>
</tr>
</tbody>
</table>

Example Request

```json
{
    "data": {
        "type": "staffSubstitution",
        "contactId": 4530030856112314,
        "calendarId": 4442069925900214,
        "timeZoneString": "America/Los_Angeles",
        "recurrence": {
            "type": "ical",
            "rrule": null,
            "datesApplicable": {
                "from": "2017-07-27",
                "to": "2017-07-27"
            },
        },
        "event": {
            "start": "2017-07-27T00:00",
            "end": "2017-07-28T00:00"
        }
    }
}
```
Example Response

```
{
  "data": {
    "id": 4.442069925906e+14,
    "type": "staffSubstitution",
    "accountId": 8800387990738,
    "calendarId": 4442069925900214,
    "contactId": 4530030856112314,
    "createdDate": "2017-07-27T15:09:28Z",
    "createdId": 4442069925896214,
    "createdName": "Travis Red",
    "lastModifiedDate": "2017-07-27T15:09:28Z",
    "lastModifiedId": 4442069925896214,
    "lastModifiedName": "Gina Downing",
    "organizationId": 8800387991360,
    "recurrence": {
      "type": "ical",
      "datesApplicable": {
        "from": "2017-07-27",
        "to": "2017-07-27"
      },
      "event": {
        "end": "2017-07-28T00:00:00",
        "start": "2017-07-27T00:00:00"
      }
    },
    "resourceBundleId": 4442069925891514,
    "status": "A",
    "timeZoneString": "America/Los_Angeles"
  }
}
```

DELETE /scheduling/{organizationId}/substitutions/{ids}

**Description**

Delete scheduling substitution(s) for an organization by ID (Unavailable/Replacement).

**Return Type**

substitution Object
Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Required</th>
<th>Data Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>y</td>
<td>string</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>y</td>
<td>long</td>
<td>The ID of the Organization that owns this resource.</td>
</tr>
<tr>
<td>ids</td>
<td>y</td>
<td>string</td>
<td>The ID or IDs (comma-delimited) of the resources to delete.</td>
</tr>
</tbody>
</table>

Example Request

```json
{
  "data": {
    "id": 444206992590598,
    "type": "staffSubstitution",
    "accountId": 8800387990738,
    "calendarId": 444206992590017,
    "contactId": 906001876633032,
    "createdDate": "2017-07-27T15:03:35Z",
    "createdId": 44420699259624,
    "createdName": "Jeffery Pool",
    "lastModifiedDate": "2017-07-27T20:17:29Z",
    "lastModifiedId": 444206992589678,
    "lastModifiedName": "Gina Downing",
    "organizationId": 8800387991360,
    "recurrence": {
      "type": "ical",
      "datesApplicable": {
        "from": "2017-07-27",
        "to": "2017-07-27"
      },
      "event": {
        "end": "2017-07-28T00:00:00",
        "start": "2017-07-27T00:00:00"
      },
      "resourceBundleId": 8800387991734,
      "status": "D",
      "timeZoneString": "America/Los_Angeles"
    }
  }
}```
Recurrences

Recurrences are embedded into Schedules and Substitutions and define how something recurs over time.

There are three types of recurrences supported:

◊ Occurrence
◊ Repeat
◊ Periodic

Occurrence

Used for shiftSubstitution

Occurrence defines specific dates on which a configuration occurs.

```
"recurrence":
{
   "type": "occurrence",
   "datesApplicable": [ "2017-04-01","2017-04-15","2017-04-20","2017-04-23" ]
}
```

Repeat

Used for staffSchedule

Repeat defines a period of time over which a configuration occurs. "To" is optional and if omitted occurs infinitely.

```
"recurrence":
{
   "type": "repeat",
   "datesApplicable":
   {
      "from": "2017-02-01",
      "to": "2018-02-01"
   }
}
```
Periodic

Used for staffSchedule

Periodic, similar to repeat, defines a period of time over which a configuration occurs. However, periodic may occur "ever other" or "every n" times.

"recurrence":
{
    "type": "periodic",
    "everyNRecurrence": 3,
    "datesApplicable":
    {
        "from": "2017-02-01"
    }
}
### iCal

Used for substitutions or staff schedule rotation

Defines a recurrence based upon the iCal standard.

See RFC 2445, and "4.3.10 Recurrence Rule" (below).

### Fields

<table>
<thead>
<tr>
<th>Name</th>
<th>Required?</th>
<th>Data Type?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>rrule</td>
<td>y</td>
<td>string</td>
<td>A valid iCal RRULE expression.</td>
</tr>
<tr>
<td>datesApplicable.from</td>
<td>y</td>
<td>Date (YYYY-MM-DD)</td>
<td>The start date of the recurrence.</td>
</tr>
<tr>
<td>datesApplicable.to</td>
<td>n</td>
<td>Date (YYYY-MM-DD)</td>
<td>If specified, indicates the end date of the recurrence. If omitted, the recurrence either never ends or the RRULE may indicate the end date.</td>
</tr>
</tbody>
</table>

### 4.3.10 Recurrence Rule

```
"recurrence":
{
    "type": "ical",
    "rrule": "FREQ=WEEKLY;WKST=MO;BYDAY=MO,TU,TH",
    "datesApplicable":
    {
        "from": "2017-02-01"
    }
}
```
Staff Assignments

Staff Assignments are embedded into StaffSchedule, ShiftSubstitution, and staffSubstitution to define who is staffed.

Contact

Staff specifies a set of contact IDs.

```json
{
    "type": "contact",
    "days": [2, 3, 4, 5, 6],
    "contactIds": [11111, 22222, 33333]
}
```

Group

Staff specifies a set of group IDs.

```json
{
    "type": "group",
    "days": [3],
    "groupIds": [33, 333, 3333]
}
```
Mixed

Mixed permits a combination of group and staff. It could be used to specify contactIDs or groupIDs only.

{  "type":"mixed",  "ids": [   {     "id": 44,     "type": "contact"   },   {     "id": 4444,     "type": "group"   }  ],  "days": [    4   ]}
Staff Rotation

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Data Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>numberOfStaffOnCall</td>
<td>integer</td>
<td>The number of staff who are on call for the rotation. For example, 10 contacts are in the rotation, but 2 are always on call.</td>
</tr>
<tr>
<td>numberOfStaffToRotate</td>
<td>integer</td>
<td>The number of staff who are rotated. For example, if there are 3 contacts on call and 2 are rotated, 1 of the staff remains on call for the next rotation.</td>
</tr>
<tr>
<td>numIntervals</td>
<td>integer</td>
<td>The number of days in a single recurrence.</td>
</tr>
<tr>
<td>rotationDirection</td>
<td>string</td>
<td>Defines the direction in which staff are rotated. For example, with numberOfStaffToRotate=1, the first on call may shift to the end of the rotation or may shift to the second in rotation.</td>
</tr>
</tbody>
</table>
GET /calendars/{organizationId}

Description
Retrieve all active Scheduling calendars for an organization.

Return type
collection of calendars

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Required?</th>
<th>Data Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>y</td>
<td>string</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>y</td>
<td>long</td>
<td>The ID of the organization that owns this resource.</td>
</tr>
<tr>
<td>pageNumber</td>
<td>y</td>
<td>int</td>
<td>The page of calendar data to return. Page size is 100, and pageNumber is assumed to be 1 if not provided.</td>
</tr>
</tbody>
</table>

Error Status Codes

<table>
<thead>
<tr>
<th>HTTP Status Code</th>
<th>Reason</th>
</tr>
</thead>
<tbody>
<tr>
<td>400</td>
<td>Missing or invalid request input.</td>
</tr>
<tr>
<td>401</td>
<td>Invalid or missing credentials.</td>
</tr>
<tr>
<td>500</td>
<td>Internal Error</td>
</tr>
</tbody>
</table>

Example Response

```javascript
{
    "message": "OK",
    "page": {
        "pageSize": 100,
        "start": 0,
        "data": [
```
{  
  "id": 444206992590020,
  "externalId": "19401000004c4",
  "name": "Lauren's Team Calendar",
  "active": true,
  "emailNotificationEnabled": false,
  "status": "A",
  "createdId": 444206992589678,
  "createdName": "Haley Thompson",
  "createdDate": 1501182106874,
  "createdDateString": "2017-07-27T19:01:46.874Z",
  "lastModifiedId": 444206992589571,
  "lastModifiedDate": 1501182312403,
  "lastModifiedDate": 2017-07-27T19:05:12.403Z",
  "lastModifiedName": "Taylor Marks",
  "accountId": 8800387990738,
  "organizationId": 8800387991360,
  "resourceBundleId": 0
},
{
  "id": 444206992590016,
  "externalId": "19401000004c0",
  "name": "Group B",
  "active": true,
  "emailNotificationEnabled": false,
  "status": "A",
  "createdId": 444206992589571,
  "createdName": "Travis Red",
  "createdDate": 1501182106874,
  "createdDateString": "2017-07-27T19:01:46.874Z",
  "lastModifiedId": 444206992589571,
  "lastModifiedDate": 1501182312403,
  "lastModifiedDate": 2017-07-27T19:05:12.403Z",
  "lastModifiedName": "Taylor Marks",
  "accountId": 8800387990738,
  "organizationId": 8800387991360,
  "resourceBundleId": 0
}
}

"totalCount": 2,
"totalPageCount": 1,
"currentPageNo": 1
staff

GET /staff/{organizationId}/assignment/{externalId}

Description
Retrieve all the contacts by staffed calendar external ID within an organization based on a date and time.

Return type
a calendar and collection of staff assignments

Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Required?</th>
<th>Data Type?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>y</td>
<td>string</td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>y</td>
<td>long</td>
<td>The ID of the organization that owns this resource.</td>
</tr>
<tr>
<td>externalId</td>
<td>y</td>
<td>string</td>
<td>The external ID of this scheduling calendar.</td>
</tr>
<tr>
<td>shiftsName</td>
<td>n</td>
<td>string</td>
<td>The name of the shift. If not provided, all shifts will be returned.</td>
</tr>
<tr>
<td>from</td>
<td>n</td>
<td>string</td>
<td>The beginning date time range, leaving empty will use the current time. Examples: &quot;2017-06-01&quot;, &quot;2017-06-01 10:00&quot;</td>
</tr>
<tr>
<td>to</td>
<td>n</td>
<td>string</td>
<td>The ending date time range, leaving empty will use the current time.</td>
</tr>
</tbody>
</table>

Error Status Codes

<table>
<thead>
<tr>
<th>HTTP Status Code</th>
<th>Reason</th>
</tr>
</thead>
<tbody>
<tr>
<td>400</td>
<td>Missing or invalid request input.</td>
</tr>
<tr>
<td>401</td>
<td>Invalid or missing credentials.</td>
</tr>
<tr>
<td>500</td>
<td>Internal Error</td>
</tr>
<tr>
<td>404</td>
<td>Resource not found</td>
</tr>
</tbody>
</table>
Example Response

{
  "message": "OK",
  "result": {
    "calendar": {
      "id": 241901148045313,
      "externalId": "dc0200000001",
      "name": "DevOps Calendar",
      "active": true,
      "shiftIds": [241901148045313,
                    241901148045314,
                    241901148045315,
                    241901148045330],
      "emailNotificationList": ["DevOps@mail.com"],
      "emailNotificationEnabled": true,
      "status": "A",
      "createdId": 4402341478401,
      "createdName": "Gina Downing",
      "createdDate": 1396643686451,
      "createdDateString": "2017-04-04T16:34:46.451-04:00",
      "lastModifiedId": 4402341478829,
      "lastModifedDate": 1400103200797,
      "lastModifedDateString": "2017-05-14T17:33:20.797-04:00",
      "lastModifiedName": "Jason Fern",
      "accountId": 8800387990018,
      "organizationId": 8800387990138,
      "resourceBundleId": 0
    },
    "staffAssignments": [{
      "staffId": 241896853078017,
      "firstName": "Adam",
      "lastName": "Smith",
      "shiftAssignments": [{
        "shiftId": 241901148045313,
        "shiftName": "First Shift",
        "staffShiftAssignmentId": 241901148045313,
        "staffContactId": 241896853078017,
        "dayOfWeek": "THURSDAY",
        "shiftApplicabilityIntervalFrom": "2017-04-10T06:00:00.000Z",
        "shiftApplicabilityIntervalTo": "2017-04-10T08:00:00.000Z"
      }]
    },
  }
}
{  
  "staffId": 241896853078018,
  "firstName": "Helen",
  "lastName": "Smith",
  "shiftAssignments": [{
    "shiftId": 241901148045313,
    "shiftName": "First Shift",
    "staffShiftAssignmentId": 241901148045314,
    "staffContactId": 241896853078018,
    "dayOfShift": "THURSDAY",
    "shiftApplicabilityIntervalFrom": "2017-04-10T06:00:00.000Z",
    "shiftApplicabilityIntervalTo": "2017-04-10T08:00:00.000Z"
  }]
}
Scheduling Audit Public

Data Model

AuditAction ENUM

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CREATE</td>
<td>Audit action for creation of a resource.</td>
</tr>
<tr>
<td>UPDATE</td>
<td>Audit action for modification of a resource.</td>
</tr>
<tr>
<td>DELETE</td>
<td>Audit action for deletion of a resource.</td>
</tr>
</tbody>
</table>

Changes Object

The object represents the before and after values of a modified property of a resource.

<table>
<thead>
<tr>
<th>Name</th>
<th>Required?</th>
<th>Data Type?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>before</td>
<td>y</td>
<td>Object</td>
<td>Value of a resource’s property before modification.</td>
</tr>
<tr>
<td>after</td>
<td>y</td>
<td>Object</td>
<td>Value of a resource’s property after modification.</td>
</tr>
</tbody>
</table>

SchedulingAudit Object

The object is used for generating an Audit record for Scheduling resources’ CRUD actions.

<table>
<thead>
<tr>
<th>Name</th>
<th>Required?</th>
<th>Data Type?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>id</td>
<td>Y</td>
<td>String</td>
<td>(System Generated) The ID of the generated audit.</td>
</tr>
<tr>
<td>organizationId</td>
<td>Y</td>
<td>Long</td>
<td>The ID of the EB organization being audited.</td>
</tr>
<tr>
<td>calendarId</td>
<td>N</td>
<td>Long</td>
<td>The ID of the Calendar being audited.</td>
</tr>
<tr>
<td>shiftScheduleId</td>
<td>Y</td>
<td>Long</td>
<td>The ID of the ShiftSchedule being audited.</td>
</tr>
<tr>
<td>staffScheduleId</td>
<td>Y</td>
<td>Long</td>
<td>The ID of the StaffSchedule being audited.</td>
</tr>
<tr>
<td>shiftScheduleSubstitutionId</td>
<td>N</td>
<td>Long</td>
<td>The ID of the ShiftScheduleSubstitution being audited.</td>
</tr>
<tr>
<td>staffSubstitutionId</td>
<td>N</td>
<td>Long</td>
<td>The ID of the StaffSubstitution being audited.</td>
</tr>
<tr>
<td>action</td>
<td>Y</td>
<td>AuditAction</td>
<td>The Scheduling CRUD action being audited.</td>
</tr>
<tr>
<td>auditResource</td>
<td>Y</td>
<td>ParameterizedBaseMonoLongObject&lt;Long&gt;</td>
<td>The Scheduling resource name being audited. This could be a Calendar, ShiftSchedule, StaffSchedule, ShiftScheduleSubstitution, or StaffSubstitution object with its respective properties that are tracked by Audit.</td>
</tr>
</tbody>
</table>
### Table of SchedulingAudit Properties

<table>
<thead>
<tr>
<th>Name</th>
<th>Required?</th>
<th>Data Type?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>details</td>
<td>N</td>
<td>Map&lt;String, Changes&gt;</td>
<td>Map of modified properties of the resource being audited with their respective before and after modification values.</td>
</tr>
<tr>
<td>includes</td>
<td>N</td>
<td>List&lt;Object&gt;</td>
<td>List of resource objects with their static metadata (values at the time of audit) that can be looked up by the IDs in the SchedulingAudit object.</td>
</tr>
<tr>
<td>createdDate</td>
<td>Y</td>
<td>Date</td>
<td>Date-time stamp (in UTC +0) of the generation of the audit.</td>
</tr>
<tr>
<td>createId</td>
<td>Y</td>
<td>Long</td>
<td>The ID of the User/Contact responsible for the Scheduling CRUD action corresponding to the audit.</td>
</tr>
<tr>
<td>createdName</td>
<td>Y</td>
<td>String</td>
<td>The name of the User/Contact responsible for the Scheduling CRUD action corresponding to the audit.</td>
</tr>
</tbody>
</table>
Scheduling Audit REST API

SchedulingAudit is a read-only resource, meaning audits cannot be modified or deleted. Hence, there is only one API to get the audits. However, the result can be filtered in various ways as per the need.

GET /scheduling/{organizationId}/audits

**Description**

Gets all the audits for the given Organization ID (default sorted descending by the createdDate; that is, latest audits at the top).

**URL**

/scheduling/{organizationId}/audits

**Method**

GET

**URL Parameters**

<table>
<thead>
<tr>
<th>Parameters</th>
<th>Required?</th>
<th>Data Type?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>y</td>
<td>Long</td>
<td>The ID of the Organization.</td>
</tr>
</tbody>
</table>

**Request Parameters**

<table>
<thead>
<tr>
<th>Parameters</th>
<th>Required?</th>
<th>Data Type?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>fields</td>
<td>N</td>
<td>String</td>
<td>Any SchedulingAudit field Ex: calendarId, action</td>
</tr>
</tbody>
</table>
### Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Required?</th>
<th>Data Type?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>filter</td>
<td>N</td>
<td>String</td>
<td>Any non transient SchedulingAudit field&lt;br&gt;&lt;br&gt;Ex: <code>filter[calendarId]=1234567890, filter[action]=CREATE, filter[auditResource.type]=calendar</code>, and so forth.&lt;br&gt;&lt;br&gt;Alternatively, filter can also be applied by directly using the field name such as:&lt;br&gt;&lt;br&gt;Filter by one or more calendar IDs: <code>calendarId=value_1&amp;calendarId=value_2&amp;...</code>&lt;br&gt;&lt;br&gt;Filter by action: <code>action=value</code>&lt;br&gt;&lt;br&gt;Possible values: CREATE, UPDATE, DELETE&lt;br&gt;&lt;br&gt;Filter by date range: <code>createdDate[gte]=start_date&amp;createdDate[lte]=end_date</code>&lt;br&gt;&lt;br&gt;Possible values: yyyy-MM-dd or yyyy-MM-dd'T'HH:mm:ss'Z',&lt;br&gt;&lt;br&gt;Ex: 2019-01-09 or 2019-01-09T00:00:00Z</td>
</tr>
<tr>
<td>sort</td>
<td>N</td>
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**NOTE:** includes request parameter is not supported/required for the Audit, as every Audit record is self-contained with the information to be included with the values available at the time of the audit.
Responses

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<tr>
<td>&quot;emailNotificationEnabled&quot;: true,</td>
<td></td>
</tr>
<tr>
<td>&quot;emailNotificationList&quot;: [</td>
<td></td>
</tr>
<tr>
<td>&quot;<a href="mailto:jon.snow@gmail.com">jon.snow@gmail.com</a>&quot;</td>
<td></td>
</tr>
<tr>
<td>]</td>
<td></td>
</tr>
<tr>
<td>&quot;holidayCalendarCodes&quot;: [</td>
<td></td>
</tr>
<tr>
<td>&quot;IN&quot;,</td>
<td></td>
</tr>
<tr>
<td>&quot;GB&quot;</td>
<td></td>
</tr>
<tr>
<td>]</td>
<td></td>
</tr>
<tr>
<td>&quot;name&quot;: &quot;Audit Calendar&quot;,</td>
<td></td>
</tr>
<tr>
<td>&quot;notifyScheduled&quot;: false,</td>
<td></td>
</tr>
<tr>
<td>&quot;visibility&quot;: &quot;contact&quot;</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>&quot;calendarId&quot;: 884011643719671,</td>
<td></td>
</tr>
<tr>
<td>&quot;createdDate&quot;: &quot;2019-02-04T15:58:37Z&quot;,</td>
<td></td>
</tr>
<tr>
<td>&quot;createdId&quot;: 444206992589663,</td>
<td></td>
</tr>
<tr>
<td>&quot;createdName&quot;: &quot;Nick Leo&quot;,</td>
<td></td>
</tr>
<tr>
<td>&quot;includes&quot;: [</td>
<td></td>
</tr>
<tr>
<td>{</td>
<td></td>
</tr>
<tr>
<td>&quot;id&quot;: &quot;IN&quot;,</td>
<td></td>
</tr>
<tr>
<td>&quot;name&quot;: &quot;India&quot;,</td>
<td></td>
</tr>
<tr>
<td>&quot;type&quot;: &quot;availableHolidayCalendar&quot;</td>
<td></td>
</tr>
<tr>
<td>}</td>
<td></td>
</tr>
<tr>
<td>Code</td>
<td>Response</td>
</tr>
<tr>
<td>------</td>
<td>----------</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;id&quot;: &quot;GB&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;name&quot;: &quot;United Kingdom&quot;,</td>
</tr>
</tbody>
</table>
|     |   "type": "availableHolidayCalendar"
|     | }        |
|     | },       |
|     | "organizationId": 1328214341321061, |
|     | "resourceBundleId": 1328214341321134
|     | }        |
|     | ]        |
|     | }        |
| ◊   | No audits available for the given Organization ID |
|     | {        |
|     |   "currentPageNo": 1, |
|     |   "totalPageCount": 0, |
|     |   "totalCount": 0, |
|     |   "pageSize": 20, |
|     |   "data": []|
|     | }        |
| 401  | ◊ Invalid JWT access token |
|     | {        |
|     |   "status": 401, |
|     |   "message": "Invalid credentials: Invalid or missing Authorization header"|
|     | }        |
| ◊   | No organization access to the user |
|     | {        |
|     |   "status": 401, |
|     |   "message": "Org 1234567890 not accessible to this user, or does not exist."|
|     | }        |
This chapter provides information about the methods and operations you can use to manage your ITA Smart Channel Integration APIs.

The following topics are covered:

- **Data Model**
  - `IncidentChatChannel Object`
- **Smart Channel Integration APIs**
  - `POST /chatOps/public/chatinteg/{organizationId}/channel`
  - `PUT /chatOps/public/chatinteg/{organizationId}/incident/{incident-Id}/channel`
# Data Model

## IncidentChatChannel Object

<table>
<thead>
<tr>
<th>Name</th>
<th>Required?</th>
<th>Data Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>id</td>
<td>y</td>
<td>long</td>
<td>ID for the Everbridge Incident</td>
</tr>
<tr>
<td>name</td>
<td>y</td>
<td>string</td>
<td>The name/title for the Everbridge Incident</td>
</tr>
<tr>
<td>organizationId</td>
<td>y</td>
<td>long</td>
<td>Organization ID for the Everbridge Organization</td>
</tr>
<tr>
<td>chatChannelId</td>
<td>y</td>
<td>string</td>
<td>ID of the Channel created in the Chat Integration platforms like Slack, MS Teams, or Cisco WebEx Team</td>
</tr>
<tr>
<td>chatChannelName</td>
<td>n</td>
<td>string</td>
<td>Name of the Channel created in the Chat Integration platforms like Slack, MS Teams, or Cisco WebEx Team</td>
</tr>
<tr>
<td>chatChannelStatus</td>
<td>n</td>
<td>string</td>
<td>Status of the Channel Integration platforms like Slack, MS Teams, or Cisco WebEx Team</td>
</tr>
<tr>
<td>chatChannelUri</td>
<td>y</td>
<td>string</td>
<td>URI for the Channel created in the Chat Integration platforms like Slack, MS Teams, or Cisco WebEx Team</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>ChatChannelUri is the web URI that navigates the user to the channel in Slack, MS Teams and room in Cisco Webex Team ID:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Example:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Slack: <a href="https://everbridge-test.slack.com/messages/">https://everbridge-test.slack.com/messages/</a>&lt;channelId&gt;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><a href="https://everbridge-test.slack.com/messages/CMVK1NA57">https://everbridge-test.slack.com/messages/CMVK1NA57</a></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(<a href="https://web.ciscoWebex.Team.com/teams/">https://web.ciscoWebex.Team.com/teams/</a>&lt;base64 decoded teamId&gt;/rooms/&lt;base64 decoded roomId&gt;/chat)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>MS Teams:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><a href="https://teams.microsoft.com/l/team/19:5227f374009442c8a41ab9d537786f5%40thread.skype/conversations?groupId=d758e2a-95f6-4de9-bb8c-4cabf1e97a34&amp;tenantId=416d148-14c2-4df5-a2da-425870be0535">https://teams.microsoft.com/l/team/19:5227f374009442c8a41ab9d537786f5%40thread.skype/conversations?groupId=d758e2a-95f6-4de9-bb8c-4cabf1e97a34&amp;tenantId=416d148-14c2-4df5-a2da-425870be0535</a></td>
</tr>
<tr>
<td>chatChannelType</td>
<td>y</td>
<td>string</td>
<td>Type of Chat Integration platforms like Slack, MS Teams, or Cisco Webex Team</td>
</tr>
</tbody>
</table>
Smart Channel Integration APIs

POST /chatOps/public/chatinteg/{organizationId}/channel

**Description**

Creates the channel for the given incident.

**URL**

https://api.everbridge.net/rest/chatOps/public/chatinteg/<organizationId>/channel?incidentId=<incident-id>

**Method**

GET

**Path Variable**

<table>
<thead>
<tr>
<th>Name</th>
<th>Required?</th>
<th>Data Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>y</td>
<td>long</td>
<td>The ID of the Organization</td>
</tr>
</tbody>
</table>

**Request Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Required?</th>
<th>Data Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>incidentId</td>
<td>y</td>
<td>long</td>
<td>The ID of the Everbridge Incident for which channel needs to be created</td>
</tr>
</tbody>
</table>
| teamId  | n         | string    | The teamId is required when the user wants to create a channel for Cisco Webex Teams and MS Teams. The channel for the incident will be created for the teamId specified. 

**NOTE:**

◊ Slack does not use the team Id
◊ CISCO Webex Team uses team Id which is also called as roomId
◊ MS teams uses team Id which is also called as groupId
## Example

https://api-qa1.everbridge.net/rest/chatOps/public/chatinteg/888409690212738/channel?incidentId=292886704844916

## Responses

<table>
<thead>
<tr>
<th>Code</th>
<th>Response</th>
</tr>
</thead>
</table>
| 200  | ◊ Attributes for the given Organization ID.  
|      |   
|      |   
|      |   
|      |   |
|      | No attributes available for the given Organization ID.  
|      |   
|      |   |
| 401  | ◊ No organization access to the User.  
|      |   
|      |   |
| 400  | ◊ No organization access to the User.  
|      |   
|      |   |
PUT /chatOps/public/chatinteg/<organizationId>/incident/<incident-Id>/channel

**Description**

Links the given channel with the Incident ID.

**URL**

https://api.everbridge.net/rest/chatOps/public/chatinteg/8800387991360/incident/283540855980039/channel

**Method**

PUT

**Path Variable**

<table>
<thead>
<tr>
<th>Name</th>
<th>Required?</th>
<th>Data Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>y</td>
<td>long</td>
<td>The ID of the Organization</td>
</tr>
<tr>
<td>incidentId</td>
<td>y</td>
<td>long</td>
<td>The ID of the incident</td>
</tr>
</tbody>
</table>

**Request Parameters**

<table>
<thead>
<tr>
<th>Name</th>
<th>Required?</th>
<th>Data Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>incidentId</td>
<td>y</td>
<td>long</td>
<td>The ID of the Everbridge Incident for which channel needs to be created</td>
</tr>
</tbody>
</table>
| teamId  | n         | string    | The teamId is required when the user wants to create a channel for Cisco Webex Teams and MS Teams. The channel for the incident will be created for the teamId specified. **NOTE:**  
  ◊ Slack does not use the team Id  
  ◊ CISCO Webex Team uses team Id which is also called as roomId  
  ◊ MS teams uses team Id which is also called as groupId |
Example


Request

{
    "data": {
        "organizationId": 8800387991360,
        "chatChannelId": "CMB6DPEMN",
        "chatChannelName": "inc-980039",
        "chatChannelStatus": "ACTIVE",
        "chatChannelUri": "https://everbridge-test.slack.com/messages/CMB6DPEMN",
        "chatChannelType": "Slack"
    }
}

Responses

<table>
<thead>
<tr>
<th>Code</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>{ &quot;data&quot;: { &quot;incidentId&quot;: 283540855980039, &quot;id&quot;: 283540855980039, &quot;name&quot;: &quot;ITA Group Notification EscalationTesting&quot;, &quot;organizationId&quot;: 8800387991360, &quot;chatChannelId&quot;: &quot;CMB6DPEMN&quot;, &quot;chatChannelName&quot;: &quot;ITA Group Notification EscalationTesting&quot;, &quot;chatChannelStatus&quot;: &quot;ACTIVE&quot;, &quot;chatChannelUri&quot;: &quot;<a href="https://everbridge-test.slack.com/messages/CMB6DPEMN">https://everbridge-test.slack.com/messages/CMB6DPEMN</a>&quot;, &quot;chatChannelType&quot;: &quot;Slack&quot; } }</td>
</tr>
<tr>
<td>Code</td>
<td>Response</td>
</tr>
<tr>
<td>------</td>
<td>----------</td>
</tr>
</tbody>
</table>
| 401  | {  
|     |   "status": 401,  
|     |     "message": "Org 888409690212728 not accessible to this user, or does not exist."  
|     | }  
|      | No organization access to the User |
| 400  | {  
|     |     "authenticated": false,  
|     |     "message": "Invalid incident details"  
|     | } |
This chapter provides information about the methods and operations you can use for your Lookup APIs.

The following topics are covered:

- **Data Model**
  - LookupRuleProperty Object
  - Group Object
  - LookupAttribute Object (Inherits properties of LookupRuleProperty Object)
- **LookupMapping Object**
  - GET /lookup/{organizationId}/attributes
  - POST /lookup/{organizationId}/attributes
  - GET /lookup/{organizationId}/attributes/[attributeld]
  - PUT /lookup/{organizationId}/attributes/[attributeld]
  - DELETE /lookup/{organizationId}/attributes/[attributeld]
  - GET /lookup/{organizationId}/attributes/searchByName?attributeName={attributeName}
  - GET /lookup/{organizationId}/attributes/searchByNameAndValue?attributeName={attributeName}&value={attributeValue}&currentPageNo={currentPageNo}&pageSize={pageSize}
- **Mapping Lookup REST APIs**
Chapter 10 – Lookup

- GET `/lookup/{organizationId}/mappings/search?currentPageNo={currentPageNo}&pageSize={pageSize}&sort={sort}&groups={groupId(s)}&{attribute1_value(s)}&{attribute2_name}={attribute2_value(s)}&...`
- POST `/lookup/{organizationId}/mappings`
- GET `/lookup/{organizationId}/mappings/{mappingId}`
- PUT `/lookup/{organizationId}/mappings/{mappingId}`
- DELETE `/lookup/{organizationId}/mappings/{mappingId}`
Data Model

LookupRuleProperty Object

<table>
<thead>
<tr>
<th>Field</th>
<th>Mandatory</th>
<th>Type</th>
<th>Default Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td>Yes</td>
<td>String</td>
<td>-</td>
<td>The name of the property.</td>
</tr>
<tr>
<td>values</td>
<td>Yes</td>
<td>List&lt;String&gt;</td>
<td>-</td>
<td>List of comma-separated values for the property.</td>
</tr>
</tbody>
</table>

Group Object

The object represents the existing Everbridge group. The information of the group can be accessed via Groups public API or from the Manager Portal.

<table>
<thead>
<tr>
<th>Field</th>
<th>Mandatory</th>
<th>Type</th>
<th>Default Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>id</td>
<td>Yes</td>
<td>Long</td>
<td>-</td>
<td>Everbridge group ID.</td>
</tr>
<tr>
<td>name</td>
<td>Yes</td>
<td>String</td>
<td>-</td>
<td>The name of the Everbridge group.</td>
</tr>
</tbody>
</table>

LookupAttribute Object (Inherits properties of LookupRuleProperty Object)

<table>
<thead>
<tr>
<th>Field</th>
<th>Mandatory</th>
<th>Type</th>
<th>Default Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>id</td>
<td>Yes</td>
<td>String</td>
<td>-</td>
<td>(System-Generated) The ID of the property.</td>
</tr>
<tr>
<td>organizationId</td>
<td>Yes</td>
<td>Long</td>
<td>-</td>
<td>The ID of the organization containing groups.</td>
</tr>
<tr>
<td>name</td>
<td>Yes</td>
<td>String</td>
<td>-</td>
<td>The name of the attribute.</td>
</tr>
<tr>
<td>values</td>
<td>Yes</td>
<td>List&lt;String&gt;</td>
<td>-</td>
<td>List of comma-separated values for the property.</td>
</tr>
<tr>
<td>createdBy</td>
<td>No</td>
<td>String</td>
<td>0</td>
<td>The name of the person who created this property.</td>
</tr>
<tr>
<td>lastUpdatedBy</td>
<td>No</td>
<td>String</td>
<td>-</td>
<td>The name of the person who most recently updated this property.</td>
</tr>
<tr>
<td>lastUpdatedOn</td>
<td>No</td>
<td>date</td>
<td>-</td>
<td>The time of the most recent update.</td>
</tr>
</tbody>
</table>
# LookupMapping Object

<table>
<thead>
<tr>
<th>Field</th>
<th>Mandatory</th>
<th>Type</th>
<th>Default Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>id</td>
<td>Yes</td>
<td>String</td>
<td>-</td>
<td>(System-Generated) The ID of the mapping.</td>
</tr>
<tr>
<td>organizationId</td>
<td>Yes</td>
<td>Long</td>
<td>-</td>
<td>The ID of the organization containing groups.</td>
</tr>
<tr>
<td>deleted</td>
<td>No</td>
<td>boolean</td>
<td>false</td>
<td>The property indicates the mapping is deleted.</td>
</tr>
<tr>
<td>targetGroups</td>
<td>Yes</td>
<td>List&lt;Group&gt;</td>
<td>-</td>
<td>List of Group objects.</td>
</tr>
<tr>
<td>attributes</td>
<td>Yes</td>
<td>List&lt;LookupRuleProperty&gt;</td>
<td>-</td>
<td>List of LookupRuleProperty objects, each defining property containing name and values.</td>
</tr>
<tr>
<td>createdBy</td>
<td>No</td>
<td>String</td>
<td>-</td>
<td>The name of the person who created this mapping.</td>
</tr>
<tr>
<td>lastUpdatedBy</td>
<td>No</td>
<td>String</td>
<td>-</td>
<td>The name of the person who most recently updated this mapping.</td>
</tr>
<tr>
<td>lastUpdatedOn</td>
<td>No</td>
<td>date</td>
<td>-</td>
<td>The time of the most recent update.</td>
</tr>
</tbody>
</table>
Attribute Lookup REST APIs

GET /lookup/{organizationId}/attributes

Description
 Gets all the attributes (properties) for the given Organization ID.

URL
 /lookup/{organizationId}/attributes

Method
 GET

URL Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Mandatory</th>
<th>Type</th>
<th>Default Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>Yes</td>
<td>Long</td>
<td>-</td>
<td>The ID of the organization</td>
</tr>
</tbody>
</table>
## Responses

<table>
<thead>
<tr>
<th>Code</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Attributes for the given Organization ID.</td>
</tr>
</tbody>
</table>

```json
{
  "data": [
    {
      "name": "Location",
      "values": [
        "Boston",
        "NY",
        "Pasadena"
      ],
      "id": "5a58faab4131828ab9dbdc1",
      "organizationId": 888409690212728,
      "lastUpdatedBy": "Michael Zhang",
      "lastUpdatedOn": "2018-01-12T18:12:59.602Z"
    },
    {
      "name": "Group Type",
      "values": [
        "Accountable team",
        "Informed",
        "Resolver"
      ],
      "id": "5a58fccdd4131828ab9dbdcb",
      "organizationId": 888409690212728,
      "lastUpdatedBy": "Michael Zhang",
      "lastUpdatedOn": "2018-01-12T18:22:05.437Z"
    },
    {
      "name": "Product",
      "values": [
        "Dell",
        "Hardware",
        "Oracle",
        "SQL"
      ],
      "id": "5a986e36d41318563766e021",
      "organizationId": 888409690212728,
      "lastUpdatedBy": "Michael Zhang",
      "lastUpdatedOn": "2018-03-01T21:18:46.914Z"
    }
  ]
}
```
POST /lookup/{organizationId}/attributes

Description

Creates a new attribute (property) for the given Organization ID.

URL

/lookup/{organizationId}/attributes

Method

POST

URL Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Mandatory</th>
<th>Type</th>
<th>Default Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>Yes</td>
<td>Long</td>
<td>-</td>
<td>The ID of the organization</td>
</tr>
</tbody>
</table>
### Request Body

LookupAttribute object containing attribute information to be created.

```
{
    data: {
        organizationId: "888409690212728",
        name: "Team",
        values: [
            "ITA",
            "SRE",
            "RME",
            "IPAAS",
            "ATLAS",
            "SaaS Ops"
        ]
    }
}
```

### Responses

<table>
<thead>
<tr>
<th>Code</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Created LookupAttribute object.</td>
</tr>
<tr>
<td>401</td>
<td>Invalid JWT access token.</td>
</tr>
</tbody>
</table>

```json

200

```

```
{  
    "data": {
        "name": "Team",
        "values": [
            "ATLAS",
            "IPAAS",
            "ITA",
            "RME",
            "SaaS Ops",
            "SRE"
        ],
        "id": "5aabcf8ed413187489146a33",
        "organizationId": 888409690212728,
        "lastUpdatedBy": "Paulomi Mahidharia",
        "lastUpdatedOn": "2018-03-16T14:07:10.035Z"
    }
}
```

```

401

```

```
{  
    "code": 401,
    "message": "Unauthorized"
}
```

```json

```
400  ◊ Empty/Null attribute name and values passes in Request Body.

```json
{
  "errors": [
    {
      "codes": [
        "NotNull.resourceObject.data.name",
        "NotNull.data.name",
        "NotNull.name",
        "NotNull.java.lang.String",
        "NotNull"
      ],
      "arguments": [
        {
          "codes": [
            "resourceObject.data.name",
            "data.name"
          ],
          "defaultMessage": "data.name",
          "code": "data.name"
        }
      ],
      "defaultMessage": "may not be null",
      "objectName": "resourceObject",
      "field": "data.name",
      "bindingFailure": false,
      "code": "NotNull"
    }
  ],
  "defaultMessage": "may not be null",
  "objectName": "resourceObject",
  "field": "data.name",
  "bindingFailure": false,
  "code": "NotNull"
}
```
```
{
    "codes": [
        "NotEmpty.resourceObject.data.name",
        "NotEmpty.data.name",
        "NotEmpty.name",
        "NotEmpty.java.lang.String",
        "NotEmpty"
    ],
    "arguments": [
        {
            "codes": [
                "resourceObject.data.name",
                "data.name"
            ],
            "defaultMessage": "data.name",
            "code": "data.name"
        }
    ],
    "defaultMessage": "may not be empty",
    "objectName": "resourceObject",
    "field": "data.name",
    "bindingFailure": false,
    "code": "NotEmpty"
},
{
    "codes": [
        "NotEmpty.resourceObject.data.values",
        "NotEmpty.data.values",
        "NotEmpty.values",
        "NotEmpty.java.util.Set",
        "NotEmpty"
    ],
    "arguments": [
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            "codes": [
                "resourceObject.data.values",
                "data.values"
            ],
            "defaultMessage": "data.values",
            "code": "data.values"
        }
    ],
    "defaultMessage": "may not be empty",
    "objectName": "resourceObject",
    "field": "data.values",
    "bindingFailure": false,
    "code": "NotEmpty"
}
```
GET /lookup/{organizationId}/attributes/{attributeId}

Description

Gets all the attribute (property) for the given Organization ID and Attribute ID.

URL

/lookup/[organizationId]/attributes/[attributeId]

Method

GET

URL Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Mandatory</th>
<th>Type</th>
<th>Default Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>Yes</td>
<td>Long</td>
<td>-</td>
<td>The ID of the organization.</td>
</tr>
<tr>
<td>attributeId</td>
<td>Yes</td>
<td>String</td>
<td>-</td>
<td>The ID of the attribute.</td>
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</tbody>
</table>
## Responses

<table>
<thead>
<tr>
<th>Code</th>
<th>Response</th>
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</thead>
</table>
| 200  | LookupAttribute object.  
      | {  
      |   "data": {  
      |     "name": "Teams",  
      |     "values": [  
      |       "ATLAS",  
      |       "IPAAS",  
      |       "ITA",  
      |       "RME",  
      |       "SaaS Ops"  
      |   },  
      |   "id": "5aabcf8ed413187489146a33",  
      |   "organizationId": 888409690212728,  
      |   "lastUpdatedBy": "Paulomi Mahidharia",  
      |   "lastUpdatedOn": "2018-03-16T14:50:45.139Z"  
      | } |
| 401  | Invalid JWT access token.  
      | {  
      |   "code": 401,  
      |   "message": "Unauthorized"  
      | } |
|      | No organization access to the User.  
      | {  
      |   "status": 401,  
      |   "message": "Org 888409690212728 not accessible to this user, or does not exist."  
      | } |
| 404  | Incorrect attribute ID passed.  
      | // No response body |

### PUT /lookup/{organizationId}/attributes/{attributeId}

#### Description

Updates the attribute (property) for the given Organization ID and Attribute ID.

#### URL

/lookup/{organizationId}/attributes/{attributeId}
Method

PUT

URL Parameters

<table>
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<tr>
<th>Parameter</th>
<th>Mandatory</th>
<th>Type</th>
<th>Default Value</th>
<th>Description</th>
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<tbody>
<tr>
<td>organizationId</td>
<td>Yes</td>
<td>Long</td>
<td>-</td>
<td>The ID of the organization.</td>
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<tr>
<td>attributeId</td>
<td>Yes</td>
<td>String</td>
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<td>The ID of the attribute.</td>
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</table>

Request Body

```json
{
    organizationId: "888409690212728",
    name: "Teams",
    values: [
        "ITA",
        "RME",
        "IPAAS",
        "ATLAS",
        "SaaS Ops"
    ]
}
```
## Responses

<table>
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<th>Code</th>
<th>Response</th>
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</thead>
</table>
| 200  | ◊ Updated LookupAttribute object.  

    ```json
    {  
      "data": {  
        "name": "Teams",  
        "values": [  
          "ATLAS",  
          "IPAAS",  
          "ITA",  
          "RME",  
          "SaaS Ops"  
        ],  
        "id": "5aabcf8ed413187489146a33",  
        "organizationId": 888409690212728,  
        "lastUpdatedBy": "Paulomi Mahidharia",  
        "lastUpdatedOn": "2018-03-16T14:50:45.139Z"
      }
    }
    | |
| 401  | ◊ Invalid JWT access token.  

    ```json
    {  
      "code": 401,  
      "message": "Unauthorized"
    }
    | |
| 400  | ◊ No organization access to the User.  

    ```json
    {  
      "status": 401,  
      "message": "Org 888409690212728 not accessible to this user, or does not exist."
    }
    | |
| 400  | ◊ Empty/Null attribute name and values passed in Request Body.  

    ```json
    {  
      "errors": [  
        {  
          "codes": [  
            "NotNull.resourceObject.data.name",  
            "NotNull.data.name",  
            "NotNull.name",  
            "NotNull.java.lang.String",  
            "NotNull"
          ],  
          "arguments": [  
            {  
              "codes": [  
                "resourceObject.data.name",  
                "data.name"
              ]  
            ]  
          ]  
        }
      ]
    }
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</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Code</td>
<td>Response</td>
</tr>
<tr>
<td>------</td>
<td>----------</td>
</tr>
<tr>
<td>404</td>
<td>Incorrect attribute ID passed.</td>
</tr>
</tbody>
</table>

```
// No response body
```

**DELETE /lookup/{organizationId}/attributes/{attributeId}**

**Description**

Deletes and existing attribute for the given Organization ID and Attribute ID.

**URL**

/lookup/{organizationId}/attributes/{attributeId}
Method

DELETE

URL Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Mandatory</th>
<th>Type</th>
<th>Default Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>Yes</td>
<td>Long</td>
<td>-</td>
<td>The ID of the organization.</td>
</tr>
<tr>
<td>attributeId</td>
<td>Yes</td>
<td>String</td>
<td>-</td>
<td>The ID of the attribute.</td>
</tr>
</tbody>
</table>

Responses

<table>
<thead>
<tr>
<th>Code</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>◊ Attribute deleted successfully.</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>401</td>
<td>◊ Invalid JWT access token.</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>◊ No organization access to the User.</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
GET /lookup/{organizationId}/attributes/searchByName?attributeName={attributeName}

Description

Gets the attribute (property) for the given Organization ID and Attribute Name.

URL

/lookup/{organizationId}/attributes/searchName?attributeName={attributeName}
Method

GET

URL Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Mandatory</th>
<th>Type</th>
<th>Default Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>Yes</td>
<td>Long</td>
<td>-</td>
<td>The ID of the organization.</td>
</tr>
<tr>
<td>attributeName</td>
<td>Yes</td>
<td>String</td>
<td>-</td>
<td>The name of the attribute.</td>
</tr>
</tbody>
</table>

Responses

<table>
<thead>
<tr>
<th>Code</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>◊ Updated LookupAttribute object.</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;data&quot;: {</td>
</tr>
<tr>
<td></td>
<td>&quot;name&quot;: &quot;Teams&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;values&quot;: [</td>
</tr>
<tr>
<td></td>
<td>&quot;ATLAS&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;IPAAS&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;ITA&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;RME&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;SaaS Ops&quot;</td>
</tr>
<tr>
<td></td>
<td>},</td>
</tr>
<tr>
<td></td>
<td>&quot;id&quot;: &quot;5aabcf8ed413187489146a33&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;organizationId&quot;: 888409690212728,</td>
</tr>
<tr>
<td></td>
<td>&quot;lastUpdatedBy&quot;: &quot;Paulomi Mahidharia&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;lastUpdatedOn&quot;: &quot;2018-03-16T14:50:45.139Z&quot;</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
<tr>
<td>401</td>
<td>◊ Invalid JWT access token.</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;code&quot;: 401,</td>
</tr>
<tr>
<td></td>
<td>&quot;message&quot;: &quot;Unauthorized&quot;</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
<tr>
<td></td>
<td>◊ No organization access to the User.</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;status&quot;: 401,</td>
</tr>
<tr>
<td></td>
<td>&quot;message&quot;: &quot;Org 888409690212728 not accessible to this user, or does not exist.&quot;</td>
</tr>
<tr>
<td>404</td>
<td>◊ Incorrect/non-existing attribute name passed.</td>
</tr>
<tr>
<td></td>
<td>// No response body</td>
</tr>
</tbody>
</table>
GET /lookup/{organizationId}/attributes/searchByNameAndValue?attributeName={attributeName}&value={attributeValue}&currentPageNo={currentPageNo}&pageSize={pageSize}

**Description**

Gets the attribute (property) for the given Organization ID and Attribute Name.

**URL**

/lookup/{organizationId}/attributes/searchByName

**Method**

GET

**URL Parameters**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Mandatory</th>
<th>Type</th>
<th>Default Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>Yes</td>
<td>Long</td>
<td>-</td>
<td>The ID of the organization.</td>
</tr>
<tr>
<td>attributeName</td>
<td>Yes</td>
<td>String</td>
<td>-</td>
<td>The name of the attribute.</td>
</tr>
<tr>
<td>attributeValue</td>
<td>No</td>
<td>String</td>
<td></td>
<td>One of the values of the attribute.</td>
</tr>
<tr>
<td>currentPageNo</td>
<td>No</td>
<td>int</td>
<td>1</td>
<td>Page number used to scroll through the mapping records.</td>
</tr>
<tr>
<td>pageSize</td>
<td>No</td>
<td>int</td>
<td>50</td>
<td>Number of mapping records on the page.</td>
</tr>
</tbody>
</table>
## Responses

<table>
<thead>
<tr>
<th>Code</th>
<th>Response</th>
</tr>
</thead>
</table>
| 200 | ◊ Correct Attribute Name and Value(s) passed.  
{  
  "currentPageNo": 1,  
  "totalPageCount": 0,  
  "totalCount": 3,  
  "pageSize": 50,  
  "data": [  
    "Boston",  
    "NY",  
    "Pasadena"  
  ]  
}  
◊ Incorrect Attribute Name and/or Value(s) passed.  
{  
  "currentPageNo": 1,  
  "totalPageCount": 0,  
  "totalCount": 3,  
  "pageSize": 50,  
  "data": []  
} |
| 401 | ◊ Invalid JWT access token.  
{  
  "code": 401,  
  "message": "Unauthorized"  
}  
◊ No organization access to the User.  
{  
  "status": 401,  
  "message": "Org 888409690212728 not accessible to this user, or does not exist."  
} |
Mapping Lookup REST APIs

GET /lookup/{organizationId}/mappings/search?currentPageNo={currentPageNo}&pageSize={pageSize}&sort={sort}&groups={groupId(s)}&{attribute1_value(s)}&{attribute2_name}={attribute2_value(s)}&...

Description

Gets all the CMDB lookup mappings for the given Organization ID.

URL

/lookup/[organizationId]/mappings/search

Method

GET

URL Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Mandatory</th>
<th>Type</th>
<th>Default Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>Yes</td>
<td>long</td>
<td>-</td>
<td>The ID of the organization.</td>
</tr>
<tr>
<td>currentPageNo</td>
<td>No</td>
<td>int</td>
<td>1</td>
<td>Page number used to scroll through the mapping records.</td>
</tr>
<tr>
<td>pageSize</td>
<td>No</td>
<td>int</td>
<td>20</td>
<td>Number of mapping records on the page.</td>
</tr>
<tr>
<td>sort</td>
<td>No</td>
<td>String</td>
<td>+lastUpdatedOn</td>
<td>Sort the mapping records based on the time stamp of the last update. Prefix &quot;-&quot; gets most recently updated records first, and prefix &quot;+&quot; vice versa.</td>
</tr>
<tr>
<td>groupId(s)</td>
<td>No</td>
<td>String</td>
<td>-</td>
<td>String of one or more Group IDs (comma-separated).</td>
</tr>
<tr>
<td>attributeN_name</td>
<td>No</td>
<td>String</td>
<td>-</td>
<td>Attribute name to be used as query param.</td>
</tr>
<tr>
<td>attributeN_value(s)</td>
<td>No</td>
<td>String</td>
<td>-</td>
<td>String of one or more values (comma-separated).</td>
</tr>
</tbody>
</table>
## Responses

<table>
<thead>
<tr>
<th>Code</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Mappings for the given Organization ID.</td>
</tr>
<tr>
<td></td>
<td>(</td>
</tr>
<tr>
<td></td>
<td>&quot;currentPageNo&quot;: 1,</td>
</tr>
<tr>
<td></td>
<td>&quot;totalPageCount&quot;: 1,</td>
</tr>
<tr>
<td></td>
<td>&quot;totalCount&quot;: 13,</td>
</tr>
<tr>
<td></td>
<td>&quot;pageSize&quot;: 25,</td>
</tr>
<tr>
<td></td>
<td>&quot;data&quot;: [</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>&quot;id&quot;: &quot;5aada496d4131874891468b1&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;organizationId&quot;: 888409690212728,</td>
</tr>
<tr>
<td></td>
<td>&quot;deleted&quot;: false,</td>
</tr>
<tr>
<td></td>
<td>&quot;targetGroups&quot;: [</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>&quot;id&quot;: 466197225487156,</td>
</tr>
<tr>
<td></td>
<td>&quot;name&quot;: &quot;Database Server&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>],</td>
</tr>
<tr>
<td></td>
<td>&quot;attributes&quot;: [</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>&quot;name&quot;: &quot;Property7&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;values&quot;: [</td>
</tr>
<tr>
<td></td>
<td>&quot;10&quot;</td>
</tr>
<tr>
<td></td>
<td>],</td>
</tr>
<tr>
<td></td>
<td>},</td>
</tr>
<tr>
<td></td>
<td>&quot;name&quot;: &quot;Location&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;values&quot;: [</td>
</tr>
<tr>
<td></td>
<td>&quot;NY&quot;</td>
</tr>
<tr>
<td></td>
<td>],</td>
</tr>
<tr>
<td></td>
<td>},</td>
</tr>
<tr>
<td></td>
<td>&quot;createdBy&quot;: &quot;Michael Zhang&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;lastUpdatedBy&quot;: &quot;Michael Zhang&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;lastUpdatedOn&quot;: &quot;2018-03-15T20:16:22.403Z&quot;</td>
</tr>
<tr>
<td></td>
<td>),</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>&quot;id&quot;: &quot;5aa30a06d413182cf71b767f&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;organizationId&quot;: 888409690212728,</td>
</tr>
<tr>
<td></td>
<td>&quot;deleted&quot;: false,</td>
</tr>
<tr>
<td></td>
<td>&quot;targetGroups&quot;: [</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>&quot;id&quot;: 466197225487153,</td>
</tr>
<tr>
<td></td>
<td>&quot;name&quot;: &quot;All Management&quot;</td>
</tr>
<tr>
<td></td>
<td>]</td>
</tr>
</tbody>
</table>
No mappings available for the given Organization ID.

```json
{
    "currentPageNo": 1,
    "totalPageCount": 1,
    "totalCount": 0,
    "pageSize": 25,
    "data": []
}
```
POST /lookup/{organizationId}/mappings

Description

Creates a new mapping for the given Organization ID.

URL

/lookup/{organizationId}/mappings

Method

POST

URL Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Mandatory</th>
<th>Type</th>
<th>Default Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>Yes</td>
<td>Long</td>
<td>-</td>
<td>The ID of the organization.</td>
</tr>
</tbody>
</table>
Request Body

◊ LookupMapping object containing mapping information to be created.

```json
{
  data: {
    attributes: [
      {
        name: "Location",
        values: [
          "Pasadena"
        ]
      },
      {
        name: "Group Type",
        values: [
          "Resolver"
        ]
      },
      {
        name: "Product",
        values: [
          "Dell",
          "Hardware"
        ]
      },
      {
        name: "Services",
        values: [
          "Apps"
        ]
      }
    ],
    organizationId: "888409690212728",
    targetGroups: [
      {
        id: "466197225487138",
        name: "IT Support Desk"
      },
      {
        id: "466197225487143",
        name: "ITSecOps Team"
      }
    ]
  }
}
```
## Responses

<table>
<thead>
<tr>
<th>Code</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>✷ Created LookupMapping object.</td>
</tr>
</tbody>
</table>

```
{
  "data": {
    "id": "5aac1133d413187489146a4f",
    "organizationId": 888409690212728,
    "deleted": false,
    "targetGroups": [
      {
        "id": 466197225487138,
        "name": "IT Support Desk"
      },
      {
        "id": 466197225487143,
        "name": "ITSecOps Team"
      }
    ],
    "attributes": [
      {
        "name": "Location",
        "values": [
          "Pasadena"
        ]
      },
      {
        "name": "Group Type",
        "values": [
          "Resolver"
        ]
      },
      {
        "name": "Product",
        "values": [
          "Dell"
        ]
      }
    ]
  }
}
```
<table>
<thead>
<tr>
<th>Code</th>
<th>Response</th>
</tr>
</thead>
</table>
|      | {
|      |   "name": "Product",
|      |   "values": [
|      |     "Hardware"
|      |   ]
|      | },
|      | {
|      |   "name": "Services",
|      |   "values": [
|      |     "Apps"
|      |   ]
|      | },
|      | "createdBy": "Paulomi Mahidharia",
|      | "lastUpdatedBy": "Paulomi Mahidharia",
|      | "lastUpdatedOn": "2018-03-16T18:47:15.918Z"
<p>|      | } |</p>
<table>
<thead>
<tr>
<th>Code</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>400</td>
<td>◊ No attributes passed in the mapping.</td>
</tr>
</tbody>
</table>

```json
{   "errors": [   {   "codes": [     "NotEmpty.resourceObject.data.attributes",     "NotEmpty.data.attributes",     "NotEmpty.attributes",     "NotEmpty.java.util.List",     "NotEmpty"   ],   "arguments": [   {   "codes": [     "resourceObject.data.attributes",     "data.attributes"   ],   "defaultMessage": "data.attributes",   "code": "data.attributes"   }   ],   "defaultMessage": "may not be empty",   "objectName": "resourceObject",   "field": "data.attributes",   "rejectedValue": [],   "bindingFailure": false,   "code": "NotEmpty"   }   ]}
```

◊ No Target Groups passed in the mapping.

```json
{   "errors": [   {   "codes": [     "NotEmpty.resourceObject.data.targetGroups",     "NotEmpty.data.targetGroups",     "NotEmpty.targetGroups",     "NotEmpty.java.util.List",     "NotEmpty"   ],   "arguments": [   {   "codes": [     "resourceObject.data.targetGroups",     "data.targetGroups"   ],   "defaultMessage": "data.targetGroups",   "code": "data.targetGroups"   }   ]}
```
# Chapter 10 – Lookup

## GET /lookup/{organizationId}/mappings/{mappingId}

### Description

 Gets the mapping for the given Organization Id and Mapping ID.

### URL

 `/lookup/{organizationId}/mappings/{mappingId}`

<table>
<thead>
<tr>
<th>Code</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>401</td>
<td>Invalid JWT access token.</td>
</tr>
<tr>
<td></td>
<td>- &quot;code&quot;: 401,</td>
</tr>
<tr>
<td></td>
<td>- &quot;message&quot;: &quot;Unauthorized&quot;</td>
</tr>
<tr>
<td>500</td>
<td>Trying to create an existing mapping.</td>
</tr>
<tr>
<td></td>
<td>- &quot;timestamp&quot;: 1521490651522,</td>
</tr>
<tr>
<td></td>
<td>- &quot;status&quot;: 500,</td>
</tr>
<tr>
<td></td>
<td>- &quot;error&quot;: &quot;Internal Server Error&quot;,</td>
</tr>
<tr>
<td></td>
<td>- &quot;exception&quot;:</td>
</tr>
<tr>
<td></td>
<td>- &quot;org.springframework.dao.DuplicateKeyException&quot;,</td>
</tr>
<tr>
<td></td>
<td>- &quot;message&quot;: &quot;Write failed with error code 11000 and error message 'E11000 duplicate key error collection: coredb.lookupMapping index: _id dup key: { : ObjectId('5ab019e6d4131838e80a80db') }'; nested exception is com.mongodb.DuplicateKeyException: Write failed with error code 11000 and error message 'E11000 duplicate key error collection: coredb.lookupMapping index: _id dup key: { : ObjectId('5ab019e6d4131838e80a80db') }', &quot;path&quot;: &quot;/lookup/888409690212728/mappings&quot;</td>
</tr>
</tbody>
</table>

// Code

"defaultMessage": "may not be empty",
"objectName": "resourceObject",
"field": "data.targetGroups",
"rejectedValue": [],
"bindingFailure": false,
"code": "NotEmpty"

// Error

401

Invalid JWT access token.

{  
  "code": 401,
  "message": "Unauthorized"
}

500

Trying to create an existing mapping.

{  
  "timestamp": 1521490651522,
  "status": 500,
  "error": "Internal Server Error",
  "exception": "org.springframework.dao.DuplicateKeyException",
  "message": "Write failed with error code 11000 and error message 'E11000 duplicate key error collection: coredb.lookupMapping index: _id dup key: { : ObjectId('5ab019e6d4131838e80a80db') }'; nested exception is com.mongodb.DuplicateKeyException: Write failed with error code 11000 and error message 'E11000 duplicate key error collection: coredb.lookupMapping index: _id dup key: { : ObjectId('5ab019e6d4131838e80a80db') }', "path": "/lookup/888409690212728/mappings" "}"
Method
GET

URL Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Mandatory</th>
<th>Type</th>
<th>Default Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>Yes</td>
<td>Long</td>
<td>-</td>
<td>The ID of the organization.</td>
</tr>
<tr>
<td>mappingId</td>
<td>Yes</td>
<td>String</td>
<td>-</td>
<td>The ID of the mapping.</td>
</tr>
</tbody>
</table>
Responses

<table>
<thead>
<tr>
<th>Code</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>LookupMapping object.</td>
</tr>
</tbody>
</table>

```json
{
  "data": {
    "id": "5a58faecd4131828ab9dbdc3",
    "organizationId": 888409690212728,
    "deleted": false,
    "targetGroups": [
      {
        "id": 884011643732460,
        "name": "After Action"
      }
    ],
    "attributes": [
      {
        "name": "Services",
        "values": [
          "Database"
        ]
      },
      {
        "name": "Priority2",
        "values": [
          "P2"
        ]
      },
      {
        "name": "Group Type",
        "values": [
          "Informed"
        ]
      },
      {
        "name": "Location",
        "values": [
          "NY", "Boston"
        ]
      }
    ],
    "createdBy": "Michael Zhang",
    "lastUpdatedBy": "Paulomi Mahidharia",
    "lastUpdatedOn": "2018-03-16T15:37:32.395Z"
  }
}
```
PUT /lookup/{organizationId}/mappings/{mappingId}

**Description**

Updates the mapping for the given Organization ID and Mapping ID.

**URL**

/lookup/{organizationId}/mappings/{mappingId}

**Method**

PUT

**URL Parameters**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Mandatory</th>
<th>Type</th>
<th>Default Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>Yes</td>
<td>Long</td>
<td>-</td>
<td>The ID of the organization.</td>
</tr>
<tr>
<td>mappingId</td>
<td>Yes</td>
<td>String</td>
<td>-</td>
<td>The ID of the mapping.</td>
</tr>
</tbody>
</table>
Request Body

LookupMapping object containing mapping information to be updated.
{
  "data": {
    "id": "5ab019e6d4131838e80a80db",
    "organizationId": 888409690212728,
    "deleted": false,
    "targetGroups": [
      {
        "id": 466197225487138,
        "name": "IT Support Desk"
      },
      {
        "id": 466197225487143,
        "name": "ITSecOps Team"
      }
    ],
    "attributes": [
      {
        "name": "Location",
        "values": [ "Pasadena" ]
      },
      {
        "name": "Group Type",
        "values": [ "Resolver" ]
      },
      {
        "name": "Product",
        "values": [ "Dell" ]
      },
      {
        "name": "Product",
        "values": [ "Hardware" ]
      }
    ]
  }
}
Responses

<table>
<thead>
<tr>
<th>Code</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>☑ Updated LookupMapping object.</td>
</tr>
</tbody>
</table>

{  
  "data": {  
    "id": "5ab019e6d4131838e80a80db",  
    "organizationId": 888409690212728,  
    "deleted": false,  
    "targetGroups": [  
      {  
        "id": 466197225487138,  
        "name": "IT Support Desk"  
      },  
      {  
        "id": 466197225487143,  
        "name": "ITSecOps Team"  
      }  
    ],  
    "attributes": [  
      {  
        "name": "Location",  
        "values": [  
          "Pasadena"  
        ]  
      },  
      {  
        "name": "Group Type",  
        "values": [  
          "Resolver"  
        ]  
      },  
      {  
        "name": "Product",  
        "values": [  
          "Dell"  
        ]  
      }  
    ]  
  }  
}
DELETE /lookup/{organizationId}/mappings/{mappingId}

**Description**

Deletes the mapping for the given Organization ID and Mapping ID.

**URL**

/lookup/{organizationId}/mappings/{mappingId}

**Method**

DELETE
URL Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Mandatory</th>
<th>Type</th>
<th>Default Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>Yes</td>
<td>Long</td>
<td>-</td>
<td>The ID of the organization.</td>
</tr>
<tr>
<td>mappingId</td>
<td>Yes</td>
<td>String</td>
<td>-</td>
<td>◊ The ID of the mapping.</td>
</tr>
</tbody>
</table>

Responses

<table>
<thead>
<tr>
<th>Code</th>
<th>Response</th>
</tr>
</thead>
</table>
| 200  | ◊ Mapping deleted successfully.  
       {  
       "data": "Mapping was deleted successfully"
       }  |
| 401  | ◊ Invalid JWT access token.  
       {  
       "code": 401,  
       "message": "Unauthorized"
       }  |
|      | ◊ No organization access to the User.  
       {  
       "status": 401,  
       "message": "Org 888409690212728 not accessible to this user, or does not exist."
       }  |
| 404  | ◊ Incorrect mappings ID passed.  
       // No response body |
This chapter provides information about the methods and operations you can use for your Conference Bridge APIs.

The following topics are covered:

- Conference Bridges
  - GET /conferenceBridges/[organizationId]/[id]
  - PUT /conferenceBridges/[organizationId]/id
  - DELETE /conferenceBridges/[organizationId]/id
  - POST /conferenceBridges/[organizationId]
  - GET /conferenceBridges/[organizationId]
Conference Bridges

GET /conferenceBridges/{organizationId}/id

Description
Retrieve the specified conferenceBridge within an organization.

Response Class
ConferenceBridgeWrapperInstanceResult

Method
GET

Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Mandatory</th>
<th>Type</th>
<th>Default Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>Yes</td>
<td>String</td>
<td></td>
<td>Basic Authorization header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>Yes</td>
<td>Long</td>
<td></td>
<td>The ID of the organization containing the conferenceBridge.</td>
</tr>
<tr>
<td>id</td>
<td>Yes</td>
<td>String</td>
<td></td>
<td>The ID of the conferenceBridge to return.</td>
</tr>
<tr>
<td>idType</td>
<td>No</td>
<td>String</td>
<td></td>
<td>Whether to search by conferenceBridge.id or conferenceBridge.name.</td>
</tr>
</tbody>
</table>

PUT /conferenceBridges/{organizationId}/id

Description
Update a conferenceBridge within an organization.

Response Class
RestfulModificationResult
Method

PUT

Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Mandatory</th>
<th>Type</th>
<th>Default Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>Yes</td>
<td>String</td>
<td></td>
<td>Basic Authorization Header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>Yes</td>
<td>Long</td>
<td></td>
<td>The ID of the organization containing the conferenceBridge.</td>
</tr>
<tr>
<td>id</td>
<td>Yes</td>
<td>String</td>
<td></td>
<td>The ID of the conferenceBridge to update.</td>
</tr>
<tr>
<td>idType</td>
<td>No</td>
<td>String</td>
<td></td>
<td>Whether to search by conferenceBridge.id or conferenceBridge.name.</td>
</tr>
<tr>
<td>conferenceBridge</td>
<td>Yes</td>
<td>ConferenceBridgeWrap</td>
<td></td>
<td>JSON object describing the updated conferenceBridge.</td>
</tr>
</tbody>
</table>

DELETE /conferenceBridges/{organizationId}/id

Description
Delete the specified conferenceBridge from an organization.

Response Class
RestfulModificationResult

Method
DELETE

Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Mandatory</th>
<th>Type</th>
<th>Default Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>Yes</td>
<td>String</td>
<td></td>
<td>Basic Authorization Header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>Yes</td>
<td>Long</td>
<td></td>
<td>The ID of the organization containing the conferenceBridge.</td>
</tr>
<tr>
<td>id</td>
<td>Yes</td>
<td>String</td>
<td></td>
<td>The ID of the conferenceBridge to delete.</td>
</tr>
<tr>
<td>Parameter</td>
<td>Mandatory</td>
<td>Type</td>
<td>Default Value</td>
<td>Description</td>
</tr>
<tr>
<td>---------------</td>
<td>-----------</td>
<td>---------</td>
<td>---------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>idType</td>
<td>No</td>
<td>String</td>
<td></td>
<td>Whether to search by conferenceBridge.id or conferenceBridge.name.</td>
</tr>
</tbody>
</table>

**POST /conferenceBridges/{organizationId}**

**Description**

Create a new conferenceBridge within an organization.

**Response Class**

RestfulModificationResult

**Method**

POST

**Parameters**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Mandatory</th>
<th>Type</th>
<th>Default Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>Yes</td>
<td>String</td>
<td></td>
<td>Basic Authorization Header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>Yes</td>
<td>Long</td>
<td></td>
<td>The ID of the organization containing the conferenceBridge.</td>
</tr>
<tr>
<td>conferenceBridge</td>
<td>Yes</td>
<td>ConferenceBridgeWrap</td>
<td></td>
<td>JSON object describing the new conferenceBridge.</td>
</tr>
</tbody>
</table>

**GET /conferenceBridges/{organizationId}**

**Description**

Retrieve all conferenceBridges for an organization.

**Response Class**

RestfulCollectionResult
Method
GET

Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Mandatory</th>
<th>Type</th>
<th>Default Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>credentials</td>
<td>Yes</td>
<td>String</td>
<td></td>
<td>Basic Authorization Header.</td>
</tr>
<tr>
<td>organizationId</td>
<td>Yes</td>
<td>Long</td>
<td></td>
<td>The ID of the organization containing the conferenceBridge.</td>
</tr>
<tr>
<td>pageNumber</td>
<td>No</td>
<td>int</td>
<td></td>
<td>The page number of conferenceBridges to return.</td>
</tr>
</tbody>
</table>
Crisis Management

This chapter provides information about the methods and operations you can use for your Crisis Management APIs.

The following topics are covered:

- **Data Models**
  - Data Page Data Model
  - Critical Event Data Model
  - Critical Event Template Data Model
- **Critical Events**
  - GET /cm/crisisEvent
  - POST /cm/crisisEvent
- **Critical Event Templates**
  - GET /crisisEventTemplate
  - POST /cm/crisisEventTemplate
  - GET /crisisEventTemplate/detail
Data Models

Data Page Data Model

```
{
  "pageSize": 25,
  "start": 0,
  "data": [
    {//data object1}, {//data object2}
  ],
  "totalCount": 8,
  "currentPageNo": 1,
  "totalPageCount": 1
}
```

Critical Event Data Model

```
{
  "id": "5d71c90228bdc4619c2ff5cf",
  "createdName": "test user",
  "createdId": 884011643700656,
  "createdDate": 1567738114953,
  "lastModifiedName": "test user",
  "lastModifiedId": 884011643700656,
  "lastModifiedDate": 1567738114953,
  "organizationId": 1328214341320748,
  "description": "test description2",
  "folderId": "5d672f5e28bdc419145da983",
  "folderName": "Root Folder",
  "eventType": "Crime",
  "title": "test title",
  "eventStatus": "Active",
  "ownerId": 884011643700656,
  "ownerName": "test owner",
  "address": "{"type" : "Point", "coordinates" : [ 41.9, -87.624 ] }",
  "geoShape": "{"type" : "Polygon", "coordinates" : [[48.86737580155996, -85.02867256217566], [49.53448620244693, -85.84274232786177], [45.58114858903087, -83.50307973124129]] }",
  "timeZoneStr": "Pacific/Niue",
  "userDate": 1558755503444,
}
```
Critical Event Template Data Model

```
{
  "id": "5d133bf8984bb72c593095a2",
  "name": "Earthquake",
  "nameLowerCase": "earthquake",
  "createdName": "Everbridge",
  "createdId": -1,
  "createdDate": 1561541624050,
  "lastModifiedName": "test user",
  "lastModifiedId": 884011643700656,
  "lastModifiedDate": 1567582753246,
  "organizationId": 132821431320748,
  "status": "A",
  "description": "Everbridge sample event",
  "folderId": "5d6f14ea28bdc42f3c145fe6",
  "folderName": "f1",
  "ownerId": 884011643741228,
  "ownerName": "test owner",
  "taskListTemplates": [{
    "id": "5d4beb5bd67c942dc02c3f83",
    "enableAutoLaunch": false
  },
  {
    "id": "5d4beb5bd67c942dc02c3f84",
    "enableAutoLaunch": false
  }]
},
"taskListTempIds": [
  "5d4beb5bd67c942dc02c3f83",
  "5d4beb5bd67c942dc02c3f84"
],
"crisisIncidents": []
}
```
Critical Events

GET /cm/crisisEvent

**Description**

Return a paged set of critical events for an organization.

**Response Class**

Date Page of Critical Event

**Method**

GET

**Parameters**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Mandatory</th>
<th>Type</th>
<th>Default Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>y</td>
<td>header</td>
<td></td>
<td>The ID of the organization containing these critical events.</td>
</tr>
<tr>
<td>Authorization</td>
<td>y</td>
<td>header</td>
<td></td>
<td>Basic authorization header.</td>
</tr>
<tr>
<td>roleId</td>
<td>y</td>
<td>header</td>
<td></td>
<td>The ID of the role of the current user.</td>
</tr>
<tr>
<td>filtered</td>
<td>n</td>
<td>string</td>
<td></td>
<td>The filter value, in this case, the name of the critical event.</td>
</tr>
<tr>
<td>eventStatus</td>
<td>n</td>
<td>string</td>
<td></td>
<td>The status of the critical events used as filters. Allowable values: “Active,Closed”. “Active” will be used as the default if this field is absent.</td>
</tr>
<tr>
<td>columnName</td>
<td>n</td>
<td>string</td>
<td></td>
<td>The name of the column to sort by. Allowable values: “lastModifiedDate, mode”. “lastModifiedDate” will be used as the default if this field is absent.</td>
</tr>
<tr>
<td>orderDirection</td>
<td>n</td>
<td>string</td>
<td></td>
<td>The sort order of the data. Allowable values: “ASC,DESC”. “ASC” will be used as the default if this field is absent.</td>
</tr>
<tr>
<td>Parameter</td>
<td>Mandatory</td>
<td>Type</td>
<td>Default Value</td>
<td>Description</td>
</tr>
<tr>
<td>---------------</td>
<td>-----------</td>
<td>-------</td>
<td>------------------------</td>
<td>-------------------------------------------------------</td>
</tr>
<tr>
<td>pageNumber</td>
<td>n</td>
<td>int</td>
<td></td>
<td>The page number of the data to return. 1 will be used as the default if this field is absent.</td>
</tr>
<tr>
<td>pageSize</td>
<td>n</td>
<td>int</td>
<td></td>
<td>The page size of the data to return. 25 will be used as the default if this field is absent.</td>
</tr>
</tbody>
</table>

## Responses

**Code**  
<table>
<thead>
<tr>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>200 OK</td>
</tr>
</tbody>
</table>

```
{
    "pageSize": 25,
    "start": 0,
    "data": [
        {
            "id": "5ce34e61984bb708ae85984a",
            "createdAt": "testUser",
            "createdId": 884011643700207,
            "createdDate": 155840069137,
            "lastModifiedName": "testUser",
            "lastModifiedId": 884011643700656,
            "lastModifiedDate": 1563850362372,
            "organizationId": 1328214341320748,
            "description": "testEvent_20190521_1",
            "folderId": "0",
            "eventType": "Crime",
            "title": "testEvent_20190521_1",
            "eventStatus": "Active",
            "ownerId": 0,
            "timeZoneStr": "Asia/Shanghai",
            "userDate": 1558400572997,
            "localDescription": "",
            "crisisTaskListInfo": [],
            "mode": "EXERCISE"
        },
        {
            "id": "5cde445d984bb77a9af21f86",
            "createdAt": "testUser",
            "createdId": 884011643700207,
            "createdDate": 1558070365883,
            "lastModifiedName": "testUser",
            "lastModifiedId": 884011643700656,
            "lastModifiedDate": 1563850362372,
            "organizationId": 1328214341320748,
            "description": "testexercise20190517_1",
            "folderId": "0",
            "eventType": "Crime",
            "title": "testexercise20190517_1",
            "eventStatus": "Active",
            "ownerId": 0,
            "timeZoneStr": "Asia/Shanghai",
            "userDate": 1558400572997,
            "localDescription": "",
            "crisisTaskListInfo": [],
            "mode": "EXERCISE"
        }
    ]
}
```
<table>
<thead>
<tr>
<th>Code</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>400</td>
<td>Missing or invalid request input</td>
</tr>
<tr>
<td>401</td>
<td>Invalid or missing credentials</td>
</tr>
<tr>
<td>500</td>
<td>Internal Error</td>
</tr>
</tbody>
</table>
POST /cm/crisisEvent

Description

Create a new critical event or update an existing critical event.

Response Class

String

Method

POST

Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Mandatory</th>
<th>Type</th>
<th>Default Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>y</td>
<td>header</td>
<td></td>
<td>The ID of the organization containing these critical events.</td>
</tr>
<tr>
<td>Authorization</td>
<td>y</td>
<td>header</td>
<td></td>
<td>Basic authorization header.</td>
</tr>
<tr>
<td>roleld</td>
<td>y</td>
<td>header</td>
<td></td>
<td>The ID of the role of the current user.</td>
</tr>
</tbody>
</table>

Request Body

CrisisEventCreatedRequestWrapper object

**NOTE:** To create a new critical event, leave field "id" empty. When "id" is not empty, it is considered an update operation, and it is not recommended to update using this API.
Post Batch - Request Body

{
  "name": "test",
  "description": "test description",
  "folderId": "5ccf9cf984bb74e32ef234e",
  "mode": "ACTUAL",
  "id": "String",
  "localDescription": "test location description",
  "eventType": "Crime", // use "Crime", "Civil Arrest", "Chemical Spill", "IT Incident", "Tornado", "Travel Warnings", "Other" for trial, an API to retrieve all event types will be provided in future releases.
  "title": "test title",
  "ownerId": 0,
  "ownerName": "test owner name",
  "address": "{"type":"Point","coordinates":[41.9,-87.624]}",
  "geoShape": "{"type":"Polygon","coordinates":[][]",
  "timeZoneStr": "Pacific/Niue",
  "taskListTemplates": [{
    "id": "5ccf9cf984bb74e32df1c",
    "enableAutoLaunch": false
  }, {
    "id": "5cabc1894bb74e32df55e",
    "enableAutoLaunch": true
  }],
  "crisisIncidents": [{
    "name": "scenario1",
    "type": "scenarioTemplate",
    "templateId": 444206992588812,
    "enableAutoLaunch": false
  }, {
    "name": "scenario2",
    "type": "scenarioTemplate",
    "templateId": 444206992588808,
    "enableAutoLaunch": true
  }],
  "enableAutoLaunch": false
}
<table>
<thead>
<tr>
<th>HTTP Status Code</th>
<th>Response Body</th>
</tr>
</thead>
<tbody>
<tr>
<td>200Ok</td>
<td>The ID of the newly-created critical event.</td>
</tr>
<tr>
<td>400</td>
<td>Missing or invalid request input.</td>
</tr>
<tr>
<td>401</td>
<td>Missing or invalid credentials.</td>
</tr>
<tr>
<td>500</td>
<td>Internal Error</td>
</tr>
</tbody>
</table>
Critical Event Templates

The Critical Event Template API is used to manage critical event templates within an organization.

GET /crisisEventTemplate

Description

Return a paged set of critical event templates for an organization.

Response Class

Date Page of Critical Event Template

Method

GET

Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Mandatory</th>
<th>Type</th>
<th>Default Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>y</td>
<td>header</td>
<td></td>
<td>The ID of the organization containing these critical events.</td>
</tr>
<tr>
<td>Authorization</td>
<td>y</td>
<td>header</td>
<td></td>
<td>Basic authorization header.</td>
</tr>
<tr>
<td>rolldid</td>
<td>y</td>
<td>header</td>
<td></td>
<td>The ID of the role of the current user.</td>
</tr>
<tr>
<td>filtered</td>
<td>n</td>
<td>string</td>
<td></td>
<td>The filter value, in this case, the name of the critical event.</td>
</tr>
<tr>
<td>eventStatus</td>
<td>n</td>
<td>string</td>
<td></td>
<td>The status of the critical events used as filters. Allowable values: “Active,Closed”. “Active” will be used as the default if this field is absent.</td>
</tr>
<tr>
<td>columnName</td>
<td>n</td>
<td>string</td>
<td></td>
<td>The name of the column to sort by. Allowable values: “lastModifedDate, mode”. “lastModifedDate” will be used as the default if this field is absent.</td>
</tr>
<tr>
<td>Parameter</td>
<td>Mandatory</td>
<td>Type</td>
<td>Default Value</td>
<td>Description</td>
</tr>
<tr>
<td>-----------------</td>
<td>-----------</td>
<td>----------</td>
<td>---------------</td>
<td>----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>orderDirection</td>
<td>n</td>
<td>string</td>
<td></td>
<td>The sort order of the data. Allowable values: “ASC,DESC”. “ASC” will be used as the default if this field is absent.</td>
</tr>
<tr>
<td>pageNumber</td>
<td>n</td>
<td>int</td>
<td>1</td>
<td>The page number of the data to return. 1 will be used as the default if this field is absent.</td>
</tr>
<tr>
<td>pageSize</td>
<td>n</td>
<td>int</td>
<td>25</td>
<td>The page size of the data to return. 25 will be used as the default if this field is absent.</td>
</tr>
</tbody>
</table>
Responses

<table>
<thead>
<tr>
<th>Code</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>200 OK</td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;pageSize&quot;: 25,</td>
</tr>
<tr>
<td></td>
<td>&quot;start&quot;: 0,</td>
</tr>
<tr>
<td></td>
<td>&quot;data&quot;: [</td>
</tr>
<tr>
<td></td>
<td>&quot;id&quot;: &quot;5d133bf8984bb72c593095a1&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;name&quot;: &quot;Flood&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;nameLowerCase&quot;: &quot;flood&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;createdName&quot;: &quot;Everbridge&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;createdId&quot;: -1,</td>
</tr>
<tr>
<td></td>
<td>&quot;createdDate&quot;: 1561541624050,</td>
</tr>
<tr>
<td></td>
<td>&quot;lastModifiedName&quot;: &quot;test user&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;lastModifiedId&quot;: 884011643700660,</td>
</tr>
<tr>
<td></td>
<td>&quot;lastModifiedDate&quot;: 1565770908784,</td>
</tr>
<tr>
<td></td>
<td>&quot;organizationId&quot;: 132821431320748,</td>
</tr>
<tr>
<td></td>
<td>&quot;status&quot;: &quot;A&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;description&quot;: &quot;Everbridge sample event&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;folderId&quot;: &quot;0&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;ownerId&quot;: 884011643741228,</td>
</tr>
<tr>
<td></td>
<td>&quot;ownerName&quot;: &quot;test group&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;taskListTemplates&quot;: [{</td>
</tr>
<tr>
<td></td>
<td>&quot;id&quot;: &quot;5d64d8a028bdc4335c6f4c55&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;enableAutoLaunch&quot;: false</td>
</tr>
<tr>
<td></td>
<td>},</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;id&quot;: &quot;5d133bf7984bb72c59309589&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;enableAutoLaunch&quot;: false</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
<tr>
<td></td>
<td>},</td>
</tr>
<tr>
<td></td>
<td>&quot;taskListTempIds&quot;: [</td>
</tr>
<tr>
<td></td>
<td>&quot;5d64d8a028bdc4335c6f4c55&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;5d133bf7984bb72c59309589&quot;</td>
</tr>
<tr>
<td></td>
<td>]</td>
</tr>
<tr>
<td></td>
<td>},</td>
</tr>
<tr>
<td></td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;id&quot;: &quot;5d133bf8984bb72c593095a2&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;name&quot;: &quot;Earthquake&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;nameLowerCase&quot;: &quot;earthquake&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;createdName&quot;: &quot;Everbridge&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;createdId&quot;: -1,</td>
</tr>
<tr>
<td></td>
<td>&quot;createdDate&quot;: 1561541624050,</td>
</tr>
<tr>
<td></td>
<td>&quot;lastModifiedName&quot;: &quot;test user&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;lastModifiedId&quot;: 884011643700660,</td>
</tr>
<tr>
<td></td>
<td>&quot;lastModifiedDate&quot;: 1565770908784,</td>
</tr>
<tr>
<td></td>
<td>&quot;organizationId&quot;: 132821431320748,</td>
</tr>
<tr>
<td></td>
<td>&quot;status&quot;: &quot;A&quot;,</td>
</tr>
</tbody>
</table>
POST /cm/crisisEventTemplate

Description
Create a new critical event template or update an existing one.

Response Class
String

Method
POST
Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Mandatory</th>
<th>Type</th>
<th>Default Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>y</td>
<td>header</td>
<td></td>
<td>The ID of the organization containing these critical events.</td>
</tr>
<tr>
<td>Authorization</td>
<td>y</td>
<td>header</td>
<td></td>
<td>Basic authorization header.</td>
</tr>
<tr>
<td>roleid</td>
<td>y</td>
<td>header</td>
<td></td>
<td>The ID of the role of the current user.</td>
</tr>
</tbody>
</table>

NOTE: To create a new critical event template, leave field "id" empty. When "id" is not empty, it is considered an update operation.

Request Body

CrisisEventTemplateCreateWrapper object
Post Batch - Request Body

```json
{
  "name": "test",
  "description": "test description",
  "folderId": "5ccf9cf984bb74e32e234e",
  "id": "String",
  "localDescription": "test location description",
  "eventType": "Crime", // use "Crime", "Civil Arrest", "Chemical Spill", "IT Incident", "Tornado", "Travel Warnings", "Other" for trial, an API to retrieve all event types will be provided in future releases.
  "title": "test title",
  "ownerId": 0,
  "ownerName": "test owner name",
  "address": "{"type":"Point","coordinates":[41.9,-87.624]}",
  "geoShape": "{"type":"Polygon","coordinates":[[48.86737580155996,-85.02867256217566],[49.5344620244693,-85.84274232786177],[50.10425231091629,-86.7958955598007],[50.5626459443221,-87.8466246208789],[50.89837591365776,-89.0227644655503],[51.10317944928524,-90.24157213451053],[51.1720122586355,-91.49118750000002],[51.10317944928524,-92.74080286548951],[50.89837591365776,-93.95968553444034],[50.5626459443221,-95.11771253791215],[51.10317944928524,-95.11771253791215],[50.89837591365776,-96.18679494101935],[48.86737580155996,-96.18679494101935],[47.30882047614595,-99.088294635497],[46.45575235628708,-99.38094846062846],[45.58114858903087,-99.4792526875786],[44.70654482177466,-99.38094846062846],[43.85347670191179,-98.6086436378384],[41.05911772877649,-92.74080286548951],[39.99028491949819,-90.24157213451053],[38.99028491949819,-90.24157213451053],[38.99028491949819,-88.8466246208789],[37.30882047614595,-87.8466246208789],[35.58114858903087,-86.7958955598007],[34.70654482177466,-85.02867256217566],[33.85347670191179,-83.58114858903087]]}",
  "timeZoneStr": "Pacific/Niue",
  "taskListTemplates": [{
    "id": "5ccf9cf984bb74e32d1df1c",
    "enableAutoLaunch": false
  },
  {
    "id": "5ca1cb18984bb71c9205555e",
    "enableAutoLaunch": true
  }],
  "crisisIncidents": [{
    "name": "scenario1",
    "type": "scenarioTemplate",
    "templateId": 44420692588812,
    "enableAutoLaunch": false
  },
  {
    "name": "scenario2",
    "type": "scenarioTemplate",
    "templateId": 44420692588808,
    "enableAutoLaunch": true
  }],
  "enableAutoLaunch": false
}
```
GET /crisisEventTemplate/detail

Description
Return an object of the critical event template.

Response Class
Critical Event Template

Method
GET

Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Mandatory</th>
<th>Type</th>
<th>Default Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>organizationId</td>
<td>y</td>
<td>header</td>
<td></td>
<td>The ID of the organization containing these critical events.</td>
</tr>
<tr>
<td>Authorization</td>
<td>y</td>
<td>header</td>
<td></td>
<td>Basic authorization header.</td>
</tr>
<tr>
<td>roldId</td>
<td>y</td>
<td>header</td>
<td></td>
<td>The ID of the role of the current user.</td>
</tr>
<tr>
<td>Id</td>
<td>y</td>
<td>string</td>
<td></td>
<td>The ID of the critical event template.</td>
</tr>
</tbody>
</table>
## Responses

<table>
<thead>
<tr>
<th>Code</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>200 OK</td>
<td>{</td>
</tr>
<tr>
<td></td>
<td>&quot;id&quot;: &quot;5d133bf8984bb72c593095aa2&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;name&quot;: &quot;Earthquake&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;createdName&quot;: &quot;Everbridge&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;createdId&quot;: -1,</td>
</tr>
<tr>
<td></td>
<td>&quot;createdDate&quot;: 1561541624050,</td>
</tr>
<tr>
<td></td>
<td>&quot;lastModifiedName&quot;: &quot;test user&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;lastModifiedId&quot;: 884011643700660,</td>
</tr>
<tr>
<td></td>
<td>&quot;lastModifiedDate&quot;: 1565770908784,</td>
</tr>
<tr>
<td></td>
<td>&quot;organizationId&quot;: 1328214341320748,</td>
</tr>
<tr>
<td></td>
<td>&quot;description&quot;: &quot;Everbridge sample event&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;folderId&quot;: &quot;0&quot;,</td>
</tr>
<tr>
<td></td>
<td>&quot;ownerId&quot;: 884011643741228,</td>
</tr>
<tr>
<td></td>
<td>&quot;ownerName&quot;: &quot;test user&quot;</td>
</tr>
<tr>
<td></td>
<td>}</td>
</tr>
<tr>
<td>400</td>
<td>Missing or invalid request input</td>
</tr>
<tr>
<td>401</td>
<td>Invalid or missing credentials</td>
</tr>
<tr>
<td>500</td>
<td>Internal Error</td>
</tr>
</tbody>
</table>
This provides the information about the Constants methods and operations you can use to launch and manage the Everbridge Suite.

**The following topics are covered:**

- *Introduction*
- *Constants*
Introduction

Within a given data type, the format of the data returned in a GET is identical to the format expected in the body of a PUT or POST.

**TIP:** Given this equivalence of input and output format, the easiest way to build PUTs and POSTs is often to perform a GET from the same collection and tweak the returned JSON to create a new or updated object.

Common Properties

Most objects share some or all of these common properties that provide bookkeeping information about the object.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>createdId</td>
<td>number</td>
<td>The instanceId of the user who created this object.</td>
</tr>
<tr>
<td>createdName</td>
<td>text</td>
<td>The full name of the user who created this object.</td>
</tr>
<tr>
<td>createdDate</td>
<td>number</td>
<td>The GMT Unix epoch time this object was created.</td>
</tr>
<tr>
<td>lastModifiedId</td>
<td>number</td>
<td>The instanceId of the user who last modified this object.</td>
</tr>
<tr>
<td>lastModifiedName</td>
<td>text</td>
<td>The full name of the user who last modified this object.</td>
</tr>
<tr>
<td>lastModifiedDate</td>
<td>number</td>
<td>The GMT Unix epoch time this object was last modified.</td>
</tr>
<tr>
<td>id</td>
<td>number</td>
<td>The instanceId of this object.</td>
</tr>
<tr>
<td>organizationId</td>
<td>number</td>
<td>The organizationId of this object.</td>
</tr>
<tr>
<td>status</td>
<td>character</td>
<td>The status of the object. All records returned by the API should have a status of ‘A’ indicating that the record is active and has not been deleted. (Deleted records of any type are invisible to the API.)</td>
</tr>
</tbody>
</table>
Constants

Unlike most methods, the /constants collection is system-wide and thus has neither an organizationId nor an instanceId parameter.

Constant Data Model

```json
{
    "id": 563,
    "lookupType": "LOOKUP",
    "key": "STATE",
    "seq": 2,
    "code": "Alabama",
    "value": "AL",
    "status": "A",
    "language": "en_US",
    "siteSpecific": "N"
}
```

GET /constants/{type}

Description

Return the full set of constants of a given type.

Return type

collection of constants
## Parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Optional?</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>type</td>
<td>text</td>
<td>n</td>
<td>Valid types are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>◊ STATE—the two-letter code for each state (and U.S. Territory) as well as its name. It can be used when building contact records to make sure you are properly representing the state of a U.S.-based contact.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>◊ COUNTRY—the country name.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>◊ COUNTRY_NUMBER—the ISO country code.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>◊ BC_LANGUAGE—the language configured in the Settings tab.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>◊ LANGUAGE—the language selected from the Signin page of the web Manager Portal.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>◊ PASSWORD_HINT—is the list of PASSWORD_HINT types that are supported for user creation, such as &quot;What is your city of birth?&quot; and so forth.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>◊ ZOOM_LEVEL—the zoom level used as the default Map Zoom Level (in Settings &gt; Organization &gt; Map).</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>◊ PROJECTION—the system supports the following projections: EPSG:900913 (Google map projection) and EPSG:4326 (longitude/latitude projection).</td>
</tr>
</tbody>
</table>