# Table of Contents

- Start Here .......................................................................................................................................3
- Security Assessment Questionnaire API ..................................................................................3
- Qualys user account ..................................................................................................................4
- URL to Qualys API server ..........................................................................................................5
- Making API calls ........................................................................................................................7
- Know your portal version ..........................................................................................................9
- SAQ Users .....................................................................................................................................11
  - Search users .............................................................................................................................11
  - Create user ...............................................................................................................................15
  - Update user .............................................................................................................................19
  - Delete user ..............................................................................................................................22
- SAQ Templates ............................................................................................................................24
  - Search library templates .......................................................................................................24
  - Get template details ...............................................................................................................27
  - Search templates ....................................................................................................................32
  - Update a template ....................................................................................................................40
  - Publish template .....................................................................................................................43
  - Delete template .........................................................................................................................45
  - Reference: Template ...............................................................................................................47
- Appendix ......................................................................................................................................51
  - Appendix A - Error Messages ...............................................................................................51
Start Here

Security Assessment Questionnaire API

Welcome to Qualys Security Assessment Questionnaire (SAQ) API. This user guide is intended for application developers who will use the Qualys SAQ API.

Modules supported

SAQ

Authentication

Authentication to your Qualys account with valid Qualys credentials is required for making Qualys API requests to the Qualys API servers. Learn more about authentication to your Qualys account

Get API Notifications

We recommend you join our Community and subscribe to our API Notifications RSS Feeds for announcements and discussions.

https://community.qualys.com/community/developer/notifications-api

About Qualys

Qualys, Inc. (NASDAQ: QLYS) is a pioneer and leading provider of cloud-based security and compliance solutions. The Qualys Cloud Platform and its integrated Cloud Apps deliver businesses critical security intelligence continuously, enabling them to automate the full spectrum of auditing, compliance and protection for IT systems and web applications on premises, on endpoints and elastic clouds. For more information, please visit www.qualys.com

Qualys and the Qualys logo are proprietary trademarks of Qualys, Inc. All other products or names may be trademarks of their respective companies
Qualys user account

Authentication with valid Qualys user account credentials is required for making Qualys API requests to the Qualys API servers. These servers are hosted at the Qualys platform, also referred to as the Security Operations Center (SOC), where your account is located. If you need assistance with obtaining a Qualys account, please contact your Qualys account representative. Qualys user accounts that have been enabled with VIP two-factor authentication can be used with the Qualys API, however two-factor authentication will not be used when making API requests. Two-factor authentication is only supported when logging into the Qualys GUI.
URL to Qualys API server

Qualys maintains multiple Qualys Cloud Platforms. The API server URL that you should use for API requests depends on the platform where your Qualys account is located.

<table>
<thead>
<tr>
<th>Account location</th>
<th>API server URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Qualys US Platform 1</td>
<td><a href="https://qualysapi.qualys.com">https://qualysapi.qualys.com</a></td>
</tr>
<tr>
<td>Qualys US Platform 2</td>
<td><a href="https://qualysapi.qg2.apps.qualys.com">https://qualysapi.qg2.apps.qualys.com</a></td>
</tr>
<tr>
<td>Qualys US Platform 3</td>
<td><a href="https://qualysapi.qg3.apps.qualys.com">https://qualysapi.qg3.apps.qualys.com</a></td>
</tr>
<tr>
<td>Qualys EU Platform 1</td>
<td><a href="https://qualysapi.qualys.eu">https://qualysapi.qualys.eu</a></td>
</tr>
<tr>
<td>Qualys EU Platform 2</td>
<td><a href="https://qualysapi.qg2.apps.qualys.eu">https://qualysapi.qg2.apps.qualys.eu</a></td>
</tr>
<tr>
<td>Qualys India Platform 1</td>
<td><a href="https://qualysapi.qg1.apps.qualys.in">https://qualysapi.qg1.apps.qualys.in</a></td>
</tr>
<tr>
<td>Qualys Private Cloud Platform</td>
<td><a href="https://qualysapi">https://qualysapi</a>.&lt;customer_base_url&gt;</td>
</tr>
</tbody>
</table>

Looking for your API server URL for your account? You can find this easily. Just log in to your Qualys account and go to Help > About. You’ll see this information under Security Operations Center (SOC).
Qualys Security Assessment Questionnaire API
Start Here

About

General Information

<table>
<thead>
<tr>
<th>Identified Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>Qualys Web Service</td>
</tr>
<tr>
<td>Application Version:</td>
</tr>
<tr>
<td>Online Help Version:</td>
</tr>
<tr>
<td>SCAP Module Version:</td>
</tr>
<tr>
<td>Qualys External Scanners</td>
</tr>
<tr>
<td>Security Operations Center (SOC):</td>
</tr>
<tr>
<td>Scanner Version:</td>
</tr>
<tr>
<td>Vulnerability Signature Version:</td>
</tr>
<tr>
<td>Scanner Services</td>
</tr>
<tr>
<td>Qualys Scanner Appliances</td>
</tr>
<tr>
<td>Security Operations Center (SOC):</td>
</tr>
<tr>
<td>- qualysguard.qualys.com:443</td>
</tr>
<tr>
<td>- qualysapi.qualys.com:443</td>
</tr>
<tr>
<td>- dist01.sjdc01.qualys.com:443</td>
</tr>
<tr>
<td>- nohost.sjdc01.qualys.com:443</td>
</tr>
<tr>
<td>- scanservice1.qualys.com:443</td>
</tr>
<tr>
<td>- all in 64.39.96.0/20</td>
</tr>
</tbody>
</table>
Making API calls

Curl samples in our API doc

We use curl in our API documentation to show an example how to form REST API calls, and it is not meant to be an actual production example of implementation.

GET and POST Methods

Qualys API functions allow API users to submit parameters (name=value pairs) using the GET and/or POST method. There are known limits for the amount of data that can be sent using the GET method, and these limits are dependent on the toolkit used. Please refer to the individual descriptions of the API function calls to learn about the supported methods for each function.

Parameters in URLs

API parameters, as documented in this user guide, should be specified one time for each URL. In the case where the same parameter is specified multiple times in a single URL, the last parameter takes effect and the previous instances are silently ignored. URL elements are case sensitive.

Date format in API Results

The Qualys API has adopted a date/time format to provide consistency and interoperability of the Qualys API with third-party applications. The date format follows standards published in RFC 3339 and ISO 8601, and applies throughout the Qualys API. The date format is: yyyy-mm-ddThh-mm-ssZ This represents a UTC value (GMT time zone).

URL Encoding in API Code

You must URL encode variables when using the Qualys API. This is standard practice for HTTP communications. If your application passes special characters, like the single quote (‘), parentheses, and symbols, they must be URL encoded. For example, the pound (#) character cannot be used as an input parameter in URLs. If “#” is specified, the Qualys API returns an error. To
specify the “#” character in a URL you must enter the encoded value “%23”. The “#” character is considered by browsers and other Internet tools as a separator between the URL and the results page, so whatever follows an un-encoded “#” character is not passed to the Qualys API server and returns an error.
Know your portal version

/qps/rest/portal/version/

[GET] [POST]

Using the Version API you can find out the installed version of Portal and its sub-modules that are available in your subscription.

Sample XML

**API request**

```bash
```

**Response**

```xml
<?xml version="1.0" encoding="UTF-8"?>
  <responseCode>SUCCESS</responseCode>
  <count>1</count>
  <data>
    <Portal-Version>
      <WAS-VERSION>6.0.0.0</WAS-VERSION>
      <FIM-VERSION>1.5.1</FIM-VERSION>
      <VM-VERSION>1.0.3</VM-VERSION>
      <CERTVIEW-VERSION>1.1.0.0</CERTVIEW-VERSION>
      <CM-VERSION>1.20.1</CM-VERSION>
      <MDS-VERSION>2.11.7.0</MDS-VERSION>
      <CA-VERSION>2.9.1.0</CA-VERSION>
      <IOC-VERSION>1.1.0</IOC-VERSION>
      <AV2-VERSION>0.1.0</AV2-VERSION>
      <QUESTIONNAIRE-VERSION>2.14.0.4</QUESTIONNAIRE-VERSION>
      <WAF-VERSION>2.7.0.0</WAF-VERSION>
    </Portal-Version>
  </data>
</ServiceResponse>
```
Sample JSON

**API request**


**Response**

```json
{
   "ServiceResponse": {
      "data": [
         {
            "Portal-Version": {
               "WAS-VERSION": "6.0.0.0",
               "VM-VERSION": "1.0.3",
               "CM-VERSION": "1.20.1",
               "MDS-VERSION": "2.11.7.0",
               "CA-VERSION": "2.9.1.0",
               "QUESTIONNAIRE-VERSION": "2.14.0.4",
               "WAF-VERSION": "2.7.0.0"
            }
         }
      ],
      "responseCode": "SUCCESS",
      "count": 1
   }
}
```
## SAQ Users

### Search users

[/qps/rest/1.0/search/saq/user/]

[GET] [POST]

Search users in the API user’s scope.

Permissions - User must have the Security Assessment Questionnaire (SAQ) module enabled, User must have “API ACCESS” permission, Output includes users within the API user’s scope

### Input Parameter

The following input elements are optional and act as filters. When multiple elements are specified, parameters are combined using a logical AND.

<table>
<thead>
<tr>
<th>Optional</th>
<th>Allowed operators</th>
</tr>
</thead>
<tbody>
<tr>
<td>id (Integer)</td>
<td>EQUALS, IN</td>
</tr>
<tr>
<td>uuid (Integer)</td>
<td>EQUALS</td>
</tr>
<tr>
<td>firstName (Text)</td>
<td>CONTAINS, EQUALS</td>
</tr>
<tr>
<td>lastName (Text)</td>
<td>CONTAINS, EQUALS</td>
</tr>
<tr>
<td>company (Text)</td>
<td>CONTAINS, EQUALS</td>
</tr>
<tr>
<td>title (Text)</td>
<td>CONTAINS, EQUALS</td>
</tr>
<tr>
<td>emailAddress (Text)</td>
<td>CONTAINS, EQUALS</td>
</tr>
</tbody>
</table>
Qualys Security Assessment Questionnaire API

SAQ Users

<table>
<thead>
<tr>
<th>Field</th>
<th>Operator</th>
</tr>
</thead>
<tbody>
<tr>
<td>userName</td>
<td>CONTAINS, EQUALS</td>
</tr>
<tr>
<td>tags.tag.id</td>
<td>EQUALS, IN</td>
</tr>
<tr>
<td>tags.tag.name</td>
<td>CONTAINS, EQUALS</td>
</tr>
</tbody>
</table>

Sample - Search user

**API request**

curl -u "USERNAME:PASSWORD" -H "content-type: text/xml" -X "POST" --data-binary @-"http://qualysapi.qualys.com/qps/rest/1.0/search/saq/user" < file.xml

Note: "file.xml" contains the request POST data.

**Request POST data**

```xml
<?xml version="1.0" encoding="UTF-8"?>
<ServiceRequest>
  <filters>
    <Criteria field="id" operator="EQUALS">400591</Criteria>
  </filters>
</ServiceRequest>
```

**Response**

```xml
<?xml version="1.0" encoding="UTF-8"?>
  <responseCode>SUCCESS</responseCode>
  <count>1</count>
  <hasMoreRecords>false</hasMoreRecords>
  <data>
    <User>
```
<?xml version="1.0" encoding="UTF-8"?>
<ServiceResponse version="1.0">
  <User>
    <id>400591</id>
    <uuid>2277d4ff-9068-44f2-97d0-ccf35cfa1679</uuid>
    <firstName>user</firstName>
    <lastName>q</lastName>
    <company>abc</company>
    <emailAddress>user@abc.com</emailAddress>
    <title>dev</title>
    <tags>
      <Tag>
        <id>7513412</id>
        <name>Malware Domain Assets</name>
      </Tag>
      <Tag>
        <id>7533412</id>
        <name>fadi's tag</name>
      </Tag>
      <Tag>
        <id>7508422</id>
        <name>Business Units</name>
      </Tag>
      <Tag>
        <id>7520414</id>
        <name>test2</name>
      </Tag>
      <Tag>
        <id>7546412</id>
        <name>Passive Scanning</name>
      </Tag>
      <Tag>
        <id>7553612</id>
        <name>tag1</name>
      </Tag>
      <Tag>
        <id>7553812</id>
        <name>tag2</name>
      </Tag>
    </tags>
  </User>
</ServiceResponse>
<platform API server>/qps/xsd/1.0/saq/user.xsd
Create user

/qps/rest/1.0/create/saq/user/

[POST]

Add a new user to the API user’s scope.

Permissions - User must have the Security Assessment Questionnaire (SAQ) module enabled, User must have “API ACCESS” permission

Input Parameters

<table>
<thead>
<tr>
<th>Required elements</th>
<th>Allowed operators</th>
</tr>
</thead>
<tbody>
<tr>
<td>firstName (Text)</td>
<td>CONTAINS, EQUALS, NOT EQUALS</td>
</tr>
<tr>
<td>lastName (Text)</td>
<td>CONTAINS, EQUALS, NOT EQUALS</td>
</tr>
<tr>
<td>company (Text)</td>
<td>CONTAINS, EQUALS, NOT EQUALS</td>
</tr>
<tr>
<td>emailAddress (Text)</td>
<td>CONTAINS, EQUALS, NOT EQUALS</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Optional elements</th>
<th>Allowed operators</th>
</tr>
</thead>
<tbody>
<tr>
<td>title (Text)</td>
<td>CONTAINS, EQUALS, NOT EQUALS</td>
</tr>
<tr>
<td>lastScanned</td>
<td></td>
</tr>
<tr>
<td>tags (List)</td>
<td>CONTAINS, EQUALS, NOT EQUALS</td>
</tr>
<tr>
<td>tags.tag.name (Text)</td>
<td>EQUALS, NOT EQUALS</td>
</tr>
</tbody>
</table>
Sample - Create a user

### API request

```
curl -u "USERNAME:PASSWORD" -H "content-type: text/xml" -X "POST"
--data-binary @-
"http://qualysapi.qualys.com/qps/rest/1.0/create/saq/user" < file.xml
```

Note: "file.xml" contains the request POST data.

### Request POST data

```xml
<?xml version="1.0" encoding="UTF-8"?>
<ServiceRequest>
 <data>
   <User>
     <firstName>user</firstName>
     <lastName>user</lastName>
     <company>abc</company>
     <emailAddress>user@abc.com</emailAddress>
   </User>
 </data>
</ServiceRequest>
```

### Response

```xml
<?xml version="1.0" encoding="UTF-8"?>
<ServiceResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="http://qualysapi.qualys.com/qps/xsd/1.0
/ saq/user.xsd">  
 <responseCode>SUCCESS</responseCode>  
 <count>1</count>  
 <data>
   <User>
     <id>401990</id>
     <uuid>734d9b3d-d246-4bb6-a028-5a390b47eb2a</uuid>
     <firstName>user</firstName>
     <lastName>user</lastName>
     <company>qualys</company>
     <emailAddress>user@abc.com</emailAddress>
   </User>
 </data>
</ServiceResponse>
```
Sample - Create multiple users

**API request**

curl -u "USERNAME:PASSWORD" -H "content-type: text/xml" -X "POST" --data-binary @-
"http://qualysapi.qualys.com/qps/rest/1.0/create/saq/user" < file.xml

Note: "file.xml" contains the request POST data.

**Request POST data**

```xml
<?xml version="1.0" encoding="UTF-8"?>
<ServiceRequest>
 <data>
   <User>
     <firstName>abc-user</firstName>
     <lastName>xyz-user</lastName>
     <company>abc</company>
     <emailAddress>user@abc.com</emailAddress>
   </User>
   <User>
     <firstName>User</firstName>
     <lastName>pqr</lastName>
     <company>abc</company>
     <emailAddress>user2@abc.com</emailAddress>
   </User>
 </data>
</ServiceRequest>
```

**Response**

```xml
<?xml version="1.0" encoding="UTF-8"?>
<ServiceResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
 xsi:noNamespaceSchemaLocation="http://qualysapi.qualys.com/qps/xsd/1.0/saq/user.xsd">
 <responseCode>SUCCESS</responseCode>
 <count>2</count>
 <data>
   <User>
     <id>404591</id>
     <uuid>328ea575-fc9d-4562-aa28-c97e7ba5482f</uuid>
     <firstName>abc-user</firstName>
   </User>
 </data>
</ServiceResponse>
```
<lastName>xyz-user</lastName>  
<company>abc</company>  
<emailAddress>user@abc.com</emailAddress>  
<userName>user</userName>  
</User>  
<User>  
  <id>404592</id>  
  <uuid>4f6c65b6-e877-43fe-9b45-50993235f60e</uuid>  
  <firstName>User</firstName>  
  <lastName>pqr</lastName>  
  <company>abc</company>  
  <emailAddress>user2@abc.com</emailAddress>  
  <userName>user2</userName>  
</User>  
</data>  
</ServiceResponse>  

XSD

<platform API server>/qps/xsd/1.0/saq/user.xsd
Update user

/qps/rest/1.0/update/saq/user/<id>

[POST]

Update a user in the API user's scope.

Permissions - User must have the Security Assessment Questionnaire (SAQ) module enabled, User must have “API ACCESS” permission, Output includes users within the API user’s scope

Input Parameters

The “id” (Long) element is required to identify the user of interest. Other elements are optional.

<table>
<thead>
<tr>
<th>Required elements</th>
<th>Allowed operators</th>
</tr>
</thead>
<tbody>
<tr>
<td>firstName (Text)</td>
<td>CONTAINS, EQUALS, NOT EQUALS</td>
</tr>
<tr>
<td>lastName (Text)</td>
<td>CONTAINS, EQUALS, NOT EQUALS</td>
</tr>
<tr>
<td>company (Text)</td>
<td>CONTAINS, EQUALS, NOT EQUALS</td>
</tr>
<tr>
<td>emailAddress (Text)</td>
<td>CONTAINS, EQUALS, NOT EQUALS</td>
</tr>
<tr>
<td>title (Text)</td>
<td>CONTAINS, EQUALS, NOT EQUALS</td>
</tr>
<tr>
<td>tags (List)</td>
<td></td>
</tr>
</tbody>
</table>

Optional elements

<table>
<thead>
<tr>
<th>userName</th>
<th>CONTAINS, EQUALS, NOT EQUALS</th>
</tr>
</thead>
</table>
Qualys Security Assessment Questionnaire API
SAQ Users

<table>
<thead>
<tr>
<th>Field</th>
<th>Operator</th>
</tr>
</thead>
<tbody>
<tr>
<td>id (integer)</td>
<td>CONTAINS, EQUALS, NOT EQUALS</td>
</tr>
<tr>
<td>uuid (integer)</td>
<td>CONTAINS, EQUALS, NOT EQUALS</td>
</tr>
<tr>
<td>tags.tag.id (integer)</td>
<td>CONTAINS, EQUALS, NOT EQUALS</td>
</tr>
<tr>
<td>tags.tag.name (Text)</td>
<td>EQUALS, NOT EQUALS</td>
</tr>
</tbody>
</table>

Sample - Update a user

**API request**

```bash
```

Note: "file.xml" contains the request POST data.

**Request POST data**

```xml
<?xml version="1.0" encoding="UTF-8"?>
<ServiceRequest>
  <data>
    <User>
      <id>387600</id>
      <firstName>user</firstName>
      <lastName>user</lastName>
      <company>abc</company>
      <EmailAddress>user@abc.com</EmailAddress>
    </User>
  </data>
</ServiceRequest>
```
<?xml version="1.0" encoding="UTF-8"?>
<ServiceResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="http://qualysapi.qualys.com/qps/xsd/1.0/saq/user.xsd">
    <responseCode>SUCCESS</responseCode>
    <count>1</count>
    <data>
        <User>
            <id>387600</id>
            <uuid>c54c47ef-57f6-42c8-bdd4-411c5f252234</uuid>
            <firstName>user1</firstName>
            <lastName>user11</lastName>
            <company>abc</company>
            <emailAddress>user1@abc.com</emailAddress>
        </User>
    </data>
</ServiceResponse>

XSD

<platform_API_server>/qps/xsd/1.0/saq/user.xsd

To update users in bulk see here
Delete user

/qps/rest/1.0/delete/saq/user/<id>

[POST]

Delete a user in API user's scope.

Permissions - User must have the Security Assessment Questionnaire (SAQ) module enabled, User must have “API ACCESS” permission, Output includes users within the API user’s scope

Input

The “id” (Long) element is required to identify the user of interest. Other elements are optional.

Sample - Delete a user

**API request**

curl -u "USERNAME:PASSWORD" -X "GET" -H "Content-Type: text/xml" https://qualysapi.qualys.com/qps/rest/1.0/delete/saq/user/401990

**Response**

```xml
<?xml version="1.0" encoding="UTF-8"?>
   <responseCode>SUCCESS</responseCode>
   <count>1</count>
   <data>
      <User>
         <id>401990</id>
      </User>
   </data>
</ServiceResponse>
```
XSD

<platform API server>/qps/xsd/1.0/saq/user.xsd

To delete users in bulk see here
SAQ Templates

Search library templates

/qps/rest/1.0/search/saq/librarytemplate/

[POST]

Search library templates in the API user’s scope.

Permissions - User must have the Security Assessment Questionnaire (SAQ) module enabled, User must have “API ACCESS” permission, Output includes templates within the API user’s scope

Input Parameter

The following input elements are optional and act as filters. When multiple elements are specified, parameters are combined using a logical AND.

<table>
<thead>
<tr>
<th>Optional</th>
<th>Allowed operators</th>
</tr>
</thead>
<tbody>
<tr>
<td>id (Integer)</td>
<td>EQUALS, IN</td>
</tr>
<tr>
<td>uuid (Integer)</td>
<td>EQUALS</td>
</tr>
<tr>
<td>name (Text)</td>
<td>CONTAINS, EQUALS</td>
</tr>
<tr>
<td>description (Text)</td>
<td>CONTAINS, EQUALS</td>
</tr>
<tr>
<td>category (Text)</td>
<td>CONTAINS, EQUALS</td>
</tr>
<tr>
<td>familyId (Integer)</td>
<td>EQUALS</td>
</tr>
<tr>
<td>revision</td>
<td>EQUALS, IN</td>
</tr>
</tbody>
</table>
Qualys Security Assessment Questionnaire API
SAQ Templates

<table>
<thead>
<tr>
<th>(Integer)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>isLibrary (Boolean)</td>
<td>EQUALS</td>
</tr>
<tr>
<td>questionCnt (Integer)</td>
<td>EQUALS, IN</td>
</tr>
<tr>
<td>state (String)</td>
<td>EQUALS, IN</td>
</tr>
</tbody>
</table>

Sample - Search library templates

**API request**


Note: "file.xml" contains the request POST data.

**Request POST data**

```xml
<ServiceRequest>
  <filters>
    <Criteria field="name" operator="CONTAINS">Vendor Risk Assessment</Criteria>
  </filters>
</ServiceRequest>
```

**Response**

```xml
<?xml version="1.0" encoding="UTF-8"?>
  <responseCode>SUCCESS</responseCode>
  <count>1</count>
  <hasMoreRecords>false</hasMoreRecords>
  <data>
```
<LibraryTemplate>
  <id>10030</id>
  <uuid>9fc12d51-0dbb-416c-933c-9762831f8af7</uuid>
  <name>Vendor Risk Assessment</name>
  <description>Vendor Risk Assessment Questionnaire template provides a standard approach to all High Risk Vendors</description>
  <familyId>f431d2ba-462c-4d14-a8de-5ee2c4c770ce</familyId>
  <revision>1</revision>
  <isLibrary>true</isLibrary>
  <questionCnt>288</questionCnt>
  <state>RETIRED</state>
</LibraryTemplate>
</ServiceResponse>

XSD

<platform_API_server>/qps/xsd/1.0/saq/librarytemplate.xsd
Get template details

/qps/rest/1.0/get/saq/template/<id>

[GET]

Returns details for a template in the API user's scope.

Permissions - User must have the Security Assessment Questionnaire (SAQ) module enabled, User must have "API ACCESS" permission, Output includes templates within the API user’s scope

Input Parameter

The element “id” (Integer) is required, where “id” identifies a template of interest.

Sample - Get details of template

<table>
<thead>
<tr>
<th>API request</th>
</tr>
</thead>
<tbody>
<tr>
<td>curl -u &quot;USERNAME:PASSWORD&quot; -X GET <a href="https://qualysapi.qualys.com/qps/rest/1.0/get/saq/template/82969">https://qualysapi.qualys.com/qps/rest/1.0/get/saq/template/82969</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Response</th>
</tr>
</thead>
</table>
| <?xml version="1.0" encoding="UTF-8"?>
  <responseCode>SUCCESS</responseCode>
  <count>1</count>
  <data>
    <Template>
      <id>82969</id>
      <uuid>5d9e0a22-14ff-4961-b0f0-a663c3b7f2f3</uuid>
      <name>template-from-api-with-scoring</name>
      <description>template containing scoring fields created from the api</description>
    </Template>
  </data>
</ServiceResponse> |
<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>section 1 description</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Question</th>
<th>Label</th>
<th>Text</th>
<th>Type</th>
<th>Mode</th>
<th>Criticality</th>
<th>Require Attachment</th>
<th>Require Comment</th>
<th>Require Asset</th>
<th>Yes Scoring Label</th>
<th>No Scoring Label</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
<td>Question 0</td>
<td>booleanQuestion</td>
<td>BUTTON</td>
<td>CRITICAL</td>
<td>false</td>
<td>false</td>
<td>false</td>
<td>HIGH</td>
<td>MEDIUM</td>
</tr>
<tr>
<td>1</td>
<td>1</td>
<td>QUESTION 1</td>
<td>booleanQuestion</td>
<td>BUTTON</td>
<td>CRITICAL</td>
<td>false</td>
<td>false</td>
<td>false</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
<Section><name>section 2</name><description>section 2 description</description><questions><list><Question><label>3</label><text>QUESTION 3</text><type>multipleChoiceQuestion</type><mode>MULTI_SELECT</mode><criticality>INFO</criticality><requireAttachment>false</requireAttachment><requireComment>false</requireComment><requireAsset>false</requireAsset><answers><list><Answer><title>a</title><value>0</value><scoringLabel>LOW</scoringLabel><false/></Answer><false/></list></answers></Question></list></questions></Section>
<Answer>
  <title>b</title>
  <value>1</value>
  <scoringLabel>MEDIUM</scoringLabel>
  <requireAttachment>false</requireAttachment>
  <requireComment>false</requireComment>
  <requireAsset>false</requireAsset>
</Answer>

<Answer>
  <title>c</title>
  <value>2</value>
  <scoringLabel>HIGH</scoringLabel>
  <requireAttachment>false</requireAttachment>
  <requireComment>false</requireComment>
  <requireAsset>false</requireAsset>
</Answer>

</list>
</answers>
</Question>
</list>
</sections>
</elements>
<scorings>
  <list>
    <Scoring>
      <label>LOW</label>
      <value>0</value>
    </Scoring>
    <Scoring>
      <label>MEDIUM</label>
      <value>50</value>
    </Scoring>
    <Scoring>
      <label>HIGH</label>
      <value>100</value>
    </Scoring>
  </list>
</scorings>
<label>HIGH</label>
<value>100</value>
</Scoring>
</list>
</scorings>
</Template>
</data>
</ServiceResponse>

XSD

<platform_API_server>/qps/xsd/1.0/saq/template.xsd
Search templates

/qps/rest/1.0/search/saq/template/

[POST]

Search templates in the API user’s scope.

Permissions - User must have the Security Assessment Questionnaire (SAQ) module enabled, User must have “API ACCESS” and “Access SAQ module“ permission, Output includes templates within the API user’s scope.

Input Parameter

The following input elements are optional and act as filters. When multiple elements are specified, parameters are combined using a logical AND.

<table>
<thead>
<tr>
<th>Optional</th>
<th>Allowed operators</th>
</tr>
</thead>
<tbody>
<tr>
<td>id (Integer)</td>
<td>EQUALS, IN</td>
</tr>
<tr>
<td>uuid (Integer)</td>
<td>EQUALS</td>
</tr>
<tr>
<td>name (Text)</td>
<td>CONTAINS, EQUALS</td>
</tr>
<tr>
<td>description (Text)</td>
<td>CONTAINS, EQUALS</td>
</tr>
<tr>
<td>category (Text)</td>
<td>CONTAINS, EQUALS</td>
</tr>
<tr>
<td>familyId (Integer)</td>
<td>EQUALS</td>
</tr>
<tr>
<td>revision (Integer)</td>
<td>EQUALS, IN</td>
</tr>
<tr>
<td>isLibrary</td>
<td>EQUALS</td>
</tr>
</tbody>
</table>
Qualys Security Assessment Questionnaire API
SAQ Templates

(Boolean)

<table>
<thead>
<tr>
<th>questionCnt (Integer)</th>
<th>EQUALS, IN</th>
</tr>
</thead>
<tbody>
<tr>
<td>state (String)</td>
<td>EQUALS, IN</td>
</tr>
</tbody>
</table>

Sample - Search templates

API request

curl -u "USERNAME:PASSWORD" -H "content-type: text/xml" -X "POST" --data-binary @-
"https://qualysapi.qualys.com/qps/rest/1.0/search/saq/template" < file.xml
Note: "file.xml" contains the request POST data.

Request POST data

<ServiceRequest>
  <filters>
    <Criteria field="questionCnt" operator="EQUALS">5</Criteria>
    <Criteria field="state" operator="EQUALS">DRAFT</Criteria>
    <Criteria field="name" operator="CONTAINS">scoring</Criteria>
  </filters>
</ServiceRequest>

Response

<?xml version="1.0" encoding="UTF-8"?>
<ServiceResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="http://qualysapi.qualys.com/qps/xsd/1.0/saq/template.xsd">
  <responseCode>SUCCESS</responseCode>
  <count>1</count>
  <hasMoreRecords>false</hasMoreRecords>
</ServiceResponse>
<data>
<Template>
  <id>82969</id>
  <uuid>5d9e0a22-14ff-4961-b0f0-a663c3b7f2f3</uuid>
  <name>template-from-api-with-scoring</name>
  <description>template containing scoring fields created from the api</description>
  <familyId>75120987-737d-4157-9b3f-d0c229d8c1d</familyId>
  <revision>1</revision>
  <isLibrary>false</isLibrary>
  <questionCnt>5</questionCnt>
  <state>DRAFT</state>
  <elements>
    <sections>
      <list>
        <Section>
          <name>section 1</name>
          <description>section 1</description>
          <questions>
            <list>
              <Question>
                <label>0</label>
                <text>Question 0</text>
                <type>booleanQuestion</type>
                <mode>BUTTON</mode>
                <criticality>CRITICAL</criticality>
                <requireAttachment>false</requireAttachment>
                <requireComment>false</requireComment>
                <requireAsset>false</requireAsset>
                <yesScoringLabel>HIGH</yesScoringLabel>
                <noScoringLabel>MEDIUM</noScoringLabel>
              </Question>
              <Question>
                <label>1</label>
                <text>Question 1</text>
                <type>booleanQuestion</type>
                <mode>BUTTON</mode>
                <criticality>CRITICAL</criticality>
                <requireAttachment>false</requireAttachment>
                <requireComment>false</requireComment>
                <requireAsset>false</requireAsset>
                <yesScoringLabel>HIGH</yesScoringLabel>
                <noScoringLabel>MEDIUM</noScoringLabel>
              </Question>
            </list>
          </questions>
        </Section>
      </list>
    </sections>
  </elements>
</Template>
</data>
<mode>BUTTON</mode>
<criticality>CRITICAL</criticality>
<requireAttachment>false</requireAttachment>
<requireComment>false</requireComment>
<requireAsset>false</requireAsset>
<yesScoringLabel>HIGH</yesScoringLabel>
<noScoringLabel>MEDIUM</noScoringLabel>
</Question>

<Question>
<label>2</label>
<text>QUESTION 2</text>
type>multipleChoiceQuestion</type>
<mode>MULTI_SELECT</mode>
<criticality>INFO</criticality>
<requireAttachment>false</requireAttachment>
<requireComment>false</requireComment>
<requireAsset>false</requireAsset>
<answers>
  <list>
    <Answer>
      <title>choice 0</title>
      <value>0</value>
      <requireAttachment>false</requireAttachment>
      <requireComment>false</requireComment>
      <requireAsset>false</requireAsset>
    </Answer>
    <Answer>
      <title>choice 1</title>
      <requireAttachment>false</requireAttachment>
      <requireComment>false</requireComment>
      <requireAsset>false</requireAsset>
    </Answer>
  </list>
</answers>
</Question>
<value>1</value>
<scoringLabel>MEDIUM</scoringLabel>
<requireAttachment>false</requireAttachment>
<requireComment>false</requireComment>
<requireAsset>false</requireAsset>
</Answer>
<Answer>
<title>choice 2</title>
<value>2</value>
<scoringLabel>HIGH</scoringLabel>
<requireAttachment>false</requireAttachment>
<requireComment>false</requireComment>
<requireAsset>false</requireAsset>
</Answer>
</list>
</answers>
</Question>
</list>
</questions>
</Section>

<Section>
<name>section 2</name>
<description>section 2 description</description>
<sections/>
<questions>
<list>
<Question>
<label>3</label>
<text>QUESTION 3</text>
<type>multipleChoiceQuestion</type>
<mode>MULTI_SELECT</mode>
<criticality>INFO</criticality>
</Question>
</list>
</questions>
</Section>
<answers>
  <list>
    <Answer>
      <title>a</title>
      <value>0</value>
      <scoringLabel>LOW</scoringLabel>
      <requireAttachment>false</requireAttachment>
      <requireComment>false</requireComment>
      <requireAsset>false</requireAsset>
    </Answer>
    <Answer>
      <title>b</title>
      <value>1</value>
      <scoringLabel>MEDIUM</scoringLabel>
      <requireAttachment>false</requireAttachment>
      <requireComment>false</requireComment>
      <requireAsset>false</requireAsset>
    </Answer>
    <Answer>
      <title>c</title>
      <value>2</value>
      <scoringLabel>HIGH</scoringLabel>
      <requireAttachment>false</requireAttachment>
      <requireComment>false</requireComment>
      <requireAsset>false</requireAsset>
    </Answer>
  </list>
</answers>
Qualys Security Assessment Questionnaire API
SAQ Templates

</ServiceResponse>

XSD

<platform_API_server>/qps/xsd/1.0/saq/template.xsd
Update a template

/qps/rest/1.0/update/saq/template/<id>

[POST]

Update a template.

Permissions - User must have the Security Assessment Questionnaire (SAQ) module enabled, User must have “API ACCESS”, “Access SAQ module”, “Questionnaire Invite” and “Questionnaire Template Create” permissions

Template must be within the API user's scope

Input Parameter

The “id” element is required, other elements are optional. See Reference: Template for descriptions of supported elements.

Sample - Update a template

API request

```bash
```

Note: "file.xml" contains the request POST data.

Request POST data

```xml
<?xml version="1.0" encoding="UTF-8"?>
<ServiceRequest>
  <data>
    <Template>
      <name>test-api-renamed</name>
    </Template>
  </data>
</ServiceRequest>
```
```xml
<?xml version="1.0" encoding="UTF-8"?>
<ServiceResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:noNamespaceSchemaLocation="http://qualysapi.qualys.com/qps/xsd/1.0
    /saq/template.xsd">
    <responseCode>SUCCESS</responseCode>
    <count>1</count>
    <data>
        <Template>
            <id>82971</id>
            <uuid>a25a405c-2ef5-40ab-b747-518d37057853</uuid>
            <name>test-api-renamed</name>
            <description>template-api template-api-1-boolean-question</description>
            <familyId>948192e8-0fbd-4fca-bc50-5412f6ee91ff</familyId>
            <revision>1</revision>
            <isLibrary>false</isLibrary>
            <questionCnt>0</questionCnt>
            <state>DRAFT</state>
            <elements>
                <sections>
                    <list>
                        <Section>
                            <name>section 1</name>
                            <description>description section 1</description>
                        </Section>
                    </list>
                </sections>
            </elements>
        </Template>
    </data>
</ServiceResponse>
```
XSD

<platform API server>qps/xsd/1.0/saq/template.xsd

To update templates in bulk see here
Publish template

/qps/rest/1.0/publish/saq/template/<id>

[POST]

Publish a template based on its ID.

Permissions - User must have the Security Assessment Questionnaire (SAQ) module enabled, User must have “API ACCESS”, “Access SAQ module”, “Questionnaire Invite” and “Questionnaire Template Publish” permissions

Template must be within the API user’s scope

Input Parameter

The "id" (Long) element is required.

Sample - Publish a template

**API request**


Note: "file.xml" contains the request POST data.

**Request POST data**

```xml
<?xml version="1.0" encoding="UTF-8"?>
<ServiceRequest>
  <data>
    <Template>
      <id>82968</id>
    </Template>
  </data>
</ServiceRequest>
```
<?xml version="1.0" encoding="UTF-8"?>
<ServiceResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="http://qualysapi.qualys.com/qps/xsd/1.0/saq/template.xsd">
  <responseCode>SUCCESS</responseCode>
  <count>1</count>
  <data>
    <Template>
      <id>82968</id>
    </Template>
  </data>
</ServiceResponse>

XSD
<platform_API_server>qps/xsd/1.0/publish/saq/template.xsd</platform_API_server>
Delete template

/qps/rest/1.0/delete/saq/template/<id>

[POST]

Delete a template in API user's scope.

Permissions - User must have the Security Assessment Questionnaire (SAQ) module enabled, User must have “API ACCESS”, “Access SAQ module”, “Questionnaire Invite” and “Questionnaire Template Delete” permissions

Template must be within the API user's scope

Input Parameter

The "id" (Long) element is required.

Sample - Publish a template

API request

```
curl -u "USERNAME:PASSWORD" -H "content-type: text/xml" -X "GET" --data-binary @- "https://qualysapi.qualys.com/qps/rest/1.0/delete/saq/template/58969"
```

Response

```xml
<?xml version="1.0" encoding="UTF-8"?>
  <responseCode>SUCCESS</responseCode>
  <count>1</count>
  <data>
    <Template>
      <id>58969</id>
    </Template>
  </data>
</ServiceResponse>
```
XSD

<platform API server>qps/xsd/1.0/saq/template.xsd

To delete templates in bulk see here
Reference: Template

A reference of template elements is provided below. Required or Optional indicates whether the element is required to create a template.

Template Elements

<table>
<thead>
<tr>
<th>Element</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>id (Long)</td>
<td>(Optional) ID of the template.</td>
</tr>
<tr>
<td>uuid (String)</td>
<td>(Optional) Unique ID of the template.</td>
</tr>
<tr>
<td>name (String)</td>
<td>(Optional) Name of the template.</td>
</tr>
<tr>
<td>description (String)</td>
<td>(Optional) Description of the template.</td>
</tr>
<tr>
<td>category (String)</td>
<td>(Required) Category of the template.</td>
</tr>
<tr>
<td>familyId (String)</td>
<td>(Required) Family identifier of the template.</td>
</tr>
<tr>
<td>revision (Long)</td>
<td>(Optional) Version of the template.</td>
</tr>
<tr>
<td>isLibrary (Boolean)</td>
<td>(Optional) True if the template is created from a library template.</td>
</tr>
<tr>
<td>questionCnt (Long)</td>
<td>(Required) Count of questions in a template.</td>
</tr>
<tr>
<td>state (String)</td>
<td>(Optional) State of the template (Published, Draft)</td>
</tr>
<tr>
<td>elements (List)</td>
<td>(Required) List of Template element (sections, questions, ...)</td>
</tr>
<tr>
<td>elements.sections (List)</td>
<td>(Required) List of Template section, a section can contains other sections and questions.</td>
</tr>
<tr>
<td><strong>elements.questions</strong> (List)</td>
<td>(Required) List of the template questions.</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>---------------------------------------------</td>
</tr>
<tr>
<td><strong>elements.scorings</strong> (List)</td>
<td>(Required) List of the template scorings.</td>
</tr>
<tr>
<td><strong>Scoring.label</strong> (String)</td>
<td>(Optional) Scoring label.</td>
</tr>
<tr>
<td><strong>Scoring.value</strong> (Integer)</td>
<td>(Optional) Scoring value.</td>
</tr>
<tr>
<td><strong>Section.name</strong> (String)</td>
<td>(Required) Name of the section.</td>
</tr>
<tr>
<td><strong>Section.description</strong> (String)</td>
<td>Description of the section.</td>
</tr>
<tr>
<td><strong>Question.label</strong> (String)</td>
<td>(Optional) Label assigned to the question.</td>
</tr>
<tr>
<td><strong>Question.text</strong> (String)</td>
<td>(Optional) Description of the question.</td>
</tr>
<tr>
<td><strong>Question.type</strong> (String)</td>
<td>(Optional) The question type (booleanQuestion, numericQuestion, textQuestion, ...)</td>
</tr>
<tr>
<td><strong>Question.mode</strong> (String)</td>
<td>(Required) The question mode (Button, Radio, Combo)</td>
</tr>
<tr>
<td><strong>Question.criticality</strong> (String)</td>
<td>(Required) The question criticality (INFO, CRITICAL, ...)</td>
</tr>
<tr>
<td><strong>Question.requireAttachment</strong> (Boolean)</td>
<td>(Required) True if the Attachment required flag is set to yes.</td>
</tr>
<tr>
<td><strong>Question.requireComment</strong> (Boolean)</td>
<td>(Required) True if the Comment required flag is set to yes.</td>
</tr>
<tr>
<td><strong>Question.requireAsset</strong> (Boolean)</td>
<td>(Required) True if the Asset required flag is set to yes.</td>
</tr>
<tr>
<td><strong>Question.yesScoringLabel</strong> (String)</td>
<td>(Required) The question yes scoring label, used for Boolean question only.</td>
</tr>
<tr>
<td><strong>Question.noScoringLabel</strong> (String)</td>
<td>(Required for Boolean question) The question no scoring label, used for</td>
</tr>
</tbody>
</table>
### Boolean question only.

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Question.minCommentLength</td>
<td>(Required) The question min comment length, the value of this field will be stored if the requireComment field is set to true.</td>
</tr>
<tr>
<td>Question.maxCommentLength</td>
<td>(Required) The question max comment length, the value of this field will be stored if the requireComment field is set to true.</td>
</tr>
<tr>
<td>Question.dateRange</td>
<td>(Required for date question) The question date range, used for a date question only.</td>
</tr>
<tr>
<td>Question.minAnswerLength</td>
<td>(Required for text question) The question minimum question length, used for a text question only.</td>
</tr>
<tr>
<td>Question.maxAnswerLength</td>
<td>(Required for text question) The question minimum question length, used for a text question only.</td>
</tr>
<tr>
<td>Answer.title</td>
<td>(Required) Title of the answer.</td>
</tr>
<tr>
<td>Answer.value</td>
<td>(Required) Value of the answer.</td>
</tr>
<tr>
<td>Answer.requireAttachment</td>
<td>(Required) True if the Attachment required flag is set to yes.</td>
</tr>
<tr>
<td>Answer.requireComment</td>
<td>(Required) True if the Comment required flag is set to yes.</td>
</tr>
<tr>
<td>Answer.requireAsset</td>
<td>(Required) True if the Asset required flag is set to yes.</td>
</tr>
<tr>
<td>Answer.scoringLabel</td>
<td>(Required) The answer scoring label (only for the dropdown, multiselect, single select)</td>
</tr>
<tr>
<td>Answer.minCommentLength</td>
<td>(Required) The Answer min comment</td>
</tr>
<tr>
<td>(Integer)</td>
<td>(Required) The Answer max comment length, the value of this field will be stored if the requireComment field is set to true.</td>
</tr>
<tr>
<td>-----------</td>
<td>-------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Answer.maxCommentLength (Integer)</td>
<td>(Required) The Answer max comment length, the value of this field will be stored if the requireComment field is set to true.</td>
</tr>
</tbody>
</table>
Appendix

Appendix A - Error Messages

This appendix describes the types of error messages returned from SAQ API requests.

Template Elements

<table>
<thead>
<tr>
<th>Error Message</th>
<th>Resolution</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Element</strong></td>
<td></td>
</tr>
<tr>
<td>url: Invalid URL format (&lt;value&gt;).</td>
<td>URL format must be as follows:</td>
</tr>
<tr>
<td></td>
<td>http://&lt;baseUrl&gt;/rest/1.0/?parameters</td>
</tr>
<tr>
<td>Url: Element is required</td>
<td>Element “Url” is required.</td>
</tr>
<tr>
<td>uris.&lt;field&gt;: Invalid URL format (&lt;value&gt;).</td>
<td>For the uri.&lt;field&gt; sub element, specify a URL like</td>
</tr>
<tr>
<td></td>
<td><a href="http://domain.name/base/url/?parameters">http://domain.name/base/url/?parameters</a></td>
</tr>
<tr>
<td>uris.&lt;field&gt;: Length of the field must not be</td>
<td>For the uri.&lt;field&gt; sub element, the maximum field length is 2048</td>
</tr>
<tr>
<td>greater than 2048 characters. (&lt;value&gt;).</td>
<td>characters.</td>
</tr>
<tr>
<td>Attribute.category: Element is required.</td>
<td>The element Attribute.category is required.</td>
</tr>
<tr>
<td>Attribute.category: Invalid value (&lt;value&gt;).</td>
<td>Element Attribute.category must be set to one of these values: Business</td>
</tr>
<tr>
<td></td>
<td>Description.</td>
</tr>
<tr>
<td>Attribute.value: Element is required.</td>
<td>Provide a value for the attribute in the Attribute.value element: function, location or description.</td>
</tr>
<tr>
<td>---------------------------------------</td>
<td>--------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>The attribute length cannot be greater than 64 characters.</td>
<td>The value for this attribute cannot exceed 64 characters.</td>
</tr>
<tr>
<td>The attribute length cannot be greater than 2048 characters.</td>
<td>The value for this attribute cannot exceed 2048 characters.</td>
</tr>
<tr>
<td>&lt;element&gt;: Element must not be set.</td>
<td>This element does not apply to this request.</td>
</tr>
<tr>
<td>set: Element must contain at least one child.</td>
<td>The set element requires at least one sub element.</td>
</tr>
<tr>
<td>headers: Length of all headers cannot exceed 2048 characters.</td>
<td>The values of all headers cannot exceed 2048 characters.</td>
</tr>
<tr>
<td>At least one of the following elements must be set: set, add, remove.</td>
<td>For an “update” request you must set at least one of these elements: set, add or remove.</td>
</tr>
<tr>
<td>UrlEntry: Element is required.</td>
<td>The element UrlEntry must be provided.</td>
</tr>
<tr>
<td>UrlEntry: Invalid URL format (value).</td>
<td>Specify a URL like <a href="http://domain.name/base/url/?parameters">http://domain.name/base/url/?parameters</a></td>
</tr>
<tr>
<td>&lt;parent&gt;: Length of all [URLs, regular</td>
<td>The list of entries for a given type shall not exceed 2048 characters.</td>
</tr>
<tr>
<td>expressions] cannot exceed 2048 characters</td>
<td></td>
</tr>
<tr>
<td>------------------------------------------------</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>UrlEntry: Only regular expressions are accepted for this element.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>You must provide regular expressions for the element postDataBlackList.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>tags.&lt;element&gt;: Element must not be set.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>The tags element does not apply for this request</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>tags.set: Element must contain at least one child.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>At least one sub element must be provided for the element tag.set.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Tag.id: Element is required.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Provide a value for the element Tag.id</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Tag.id: Invalid value (value).</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Value must be an integer set at least to 1.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Tag: Tag specified by ID &lt;id&gt; does not exist or is not available.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Provide a value for the element id that corresponds to a valid tag.</th>
</tr>
</thead>
</table>

**Criteria**

<table>
<thead>
<tr>
<th>Criteria: Field is required.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Specify the name of the criteria to search against.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Criteria: Invalid criteria (&lt;field name&gt;).</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Please search against one of the following criteria: %s.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Criteria: Invalid operator for criteria '&lt;field&gt;' (&lt;operator&gt;).</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Allowed operations for this criteria are: %s.</th>
</tr>
</thead>
</table>
Criteria: Value is required for criteria '<field>'.
Specify a value for a field name for search criteria.

Criteria: Invalid value format for criteria '<field>': <value>.
Boolean (true, false).
Date and Time in UTC format
Enumeration (allowed options separated by comma).
Other: Specify criteria value(s) as <type>.

Authorization

You are not authorized to access the application through the API.
You must be granted the API Access permission in your roles and scopes.

No data shall be passed for this operation.
The POST request does not specify a data element.

User is not authorized to perform this operation on specified object(s).
You must be granted access to these objects in your user scope.

Operation %s does not support search filters.
Do not provide search filters for this operation.

Report Storage Limit

Your [subscription|user] storage limit of <NB> Mb has been reached.
Delete existing reports and try again.