Subscription Info API
User Guide

July 30, 2018
# Table of Contents

**Preface** ........................................................................................................................................ 4
- About Qualys .............................................................................................................................. 4
- Qualys Support .......................................................................................................................... 4

**Welcome** ................................................................................................................................... 5
- Get Started ................................................................................................................................. 5
- Get API Notifications ............................................................................................................... 5
  - URL to the Qualys API Server ................................................................................................. 5
  - Authentication ......................................................................................................................... 6
  - Using Curl ................................................................................................................................. 7

**Subscription Configurations** .................................................................................................... 8
- Export Subscription Configurations ............................................................................................ 8
- Import Subscription Configurations ............................................................................................ 15
- Subscription INFO Keys ............................................................................................................ 16

**User Preferences** ...................................................................................................................... 23
- Export User Preferences ............................................................................................................ 23
- Import User Preferences ........................................................................................................... 27
- User Preferences INFO Keys ..................................................................................................... 29
Preface

Using the Qualys API, third parties can integrate their own applications with Qualys cloud security and compliance solutions using an extensible XML interface.

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 apps help businesses simplify security operations and lower the cost of compliance by delivering critical security intelligence on demand and automating the full spectrum of auditing, compliance and protection for IT systems and web applications.

Founded in 1999, Qualys has established strategic partnerships with leading managed service providers and consulting organizations including Accenture, BT, Cognizant Technology Solutions, Deutsche Telekom, Fujitsu, HCL, HP Enterprise, IBM, Infosys, NTT, Optiv, SecureWorks, Tata Communications, Verizon and Wipro. The company is also a founding member of the Cloud Security Alliance (CSA). For more information, please visit www.qualys.com.

Qualys Support

Qualys is committed to providing you with the most thorough support. Through online documentation, telephone help, and direct email support, Qualys ensures that your questions will be answered in the fastest time possible. We support you 7 days a week, 24 hours a day. Access support information at www.qualys.com/support/.
Welcome

Welcome to the Qualys Subscription Info API.

Get Started

URL to the Qualys API Server- We’ll give you the basics about making API requests. The base URL depends on the platform where your Qualys account is located.

Authentication- We’ll tell you about the method used for authentication. API requests must authenticate using Qualys credentials.

Using Curl - Get tips on using the Curl command-line tool to make API requests. Every curl request must have -u parameter with a Qualys login and password. Keep in mind this API does not support JSON calls at this time.

Get API Notifications

Subscribe to our API Notifications RSS Feeds for announcements and latest news.

From our Community
Join our Community
API Notifications RSS Feeds

URL to the Qualys API Server

Qualys maintains multiple Qualys platforms. The Qualys API server URL that you should use for API requests depends on the platform where your 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>

The Qualys API documentation and sample code use the API server URL for the Qualys US Platform 1. If your account is located on another platform, please replace this URL with the appropriate server URL for your account.
Still have questions? You can easily find the API server URL for your account. Just log in to your Qualys account and go to Help > About. You’ll see this information under Security Operations Center (SOC).

Authentication

The application must authenticate using Qualys account credentials (user name and password) as part of the HTTP request. The credentials are transmitted using the “Basic Authentication Scheme” over HTTPS.

For more information, see the “Basic Authentication Scheme” section of RFC #2617:

http://www.faqs.org/rfcs/rfc2617.html

The exact method of implementing authentication will vary according to which programming language is used.

Example

Basic authentication - recommended option:

```
curl -u "USERNAME:PASSWORD"
"https://qualysapi.qualys.com/api/2.0/fo/subscription/index.php"
```

where qualysapi.qualys.com is the base URL to the Qualys API server where your account is located.
Using Curl

Curl is a multi-platform command-line tool used to transfer data using multiple protocols. This tool is supported on many systems, including Windows, Unix, Linux and Mac. In this document, Curl is used in the examples to build Qualys API requests using the HTTP over SSL (https) protocol, which is required.

Want to learn more? Visit http://curl/haxx

The following Curl options are used according to different situations:

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>-u &quot;LOGIN:PASSWORD&quot;</td>
<td>This option is used for basic authentication.</td>
</tr>
<tr>
<td>-X &quot;POST&quot;</td>
<td>The POST method is required for some requests.</td>
</tr>
<tr>
<td>-H &quot;content-type&quot;</td>
<td>This option is used to provide a custom HTTP request header parameter for content type, to specify the MIME type of the curl's payload.</td>
</tr>
<tr>
<td>--data-binary</td>
<td>This option is used to specify the POST data.</td>
</tr>
</tbody>
</table>

The sample below shows a typical Curl request using options mentioned above and how they interact with each other.

```
curl -H "content-type: text/xml" -X "POST" --data-binary @- "https://example.com" < file.xml
```

The option “-X "POST"” tells Curl to execute the request using the HTTP POST method. The option “--data-binary @-” tells Curl to read the POST data from its standard input (stdin). The string “< file.xml” is interpreted by the shell to redirect the content of the file to the stdin of the command. The option -H “content-type: text/xml” tells Curl the POST data in “file.xml” is XML in text format.

**JSON calls not supported**

The Subscription Info API does not support JSON requests and responses at this time.
Subscription Configurations

Use these API functions to export/import subscription configurations.

Note - This API is intended for a limited set of customers, including customers with multiple subscriptions on shared or PCP platforms. For more information, contact Qualys Support or your Qualys Technical Account Manager.

Export Subscription Configurations
Import Subscription Configurations
Subscription INFO Keys

Export Subscription Configurations

Export all (or some) configurations for a particular subscription to an XML file, including settings for scans, reports, remediation, users and more. The subscription is based on the subscription ID for the Manager user making the API request.

URL: https://<baseurl>/api/2.0/fo/subscription/index.php
Methods allowed: GET
Permissions: Manager Only

Input parameters

Use these parameters when making your request.

| action=export | (Optional) By default we'll include all setup configuration settings from all sections of the UI. Use this parameter to export settings from certain sections only. Possible values are: all (the default), scan, reports, remediation, users. Multiple values are comma separated. |
| export_type={value} |

Example

In this sample request all subscription settings will be exported.

Request:

curl -u "username:password" -H "X-Requested-With:curl"
"https://qualysapi.qualys.com/api/2.0/fo/subscription/?action=export" > export_config.xml

Response:

<?xml version="1.0" encoding="UTF-8" ?>
<!DOCTYPE RECORD SYSTEM URL: https://<baseurl>/api/2.0/fo/subscription/index.php
Methods allowed: GET
Permissions: Manager Only

Input parameters

Use these parameters when making your request.

| action=export | (Optional) By default we'll include all setup configuration settings from all sections of the UI. Use this parameter to export settings from certain sections only. Possible values are: all (the default), scan, reports, remediation, users. Multiple values are comma separated. |
| export_type={value} |

Example

In this sample request all subscription settings will be exported.

Request:

curl -u "username:password" -H "X-Requested-With:curl"
"https://qualysapi.qualys.com/api/2.0/fo/subscription/?action=export" > export_config.xml

Response:

<?xml version="1.0" encoding="UTF-8" ?>
<!DOCTYPE RECORD SYSTEM URL: https://<baseurl>/api/2.0/fo/subscription/index.php
Methods allowed: GET
Permissions: Manager Only

Input parameters

Use these parameters when making your request.

| action=export | (Optional) By default we'll include all setup configuration settings from all sections of the UI. Use this parameter to export settings from certain sections only. Possible values are: all (the default), scan, reports, remediation, users. Multiple values are comma separated. |
| export_type={value} |
"https://qualysapi.qualys.com/api/2.0/fo/subscription/subscription_info.dtd">
<RECORD>
  <SUBSCRIPTION>
    <FO>
      <SCAN>
        <INFO key="global_storage"><![CDATA[1]]></INFO>
        <INFO key="agt.track.accept"><![CDATA[1]]></INFO>
        <INFO key="scheduling.prevent.overlapping.scans"><![CDATA[1]]></INFO>
        <INFO key="scheduling.relaunch.finished.scans"><![CDATA[1]]></INFO>
        <SCANNER_TRUSTED_CA>
          <INFO key="id"><![CDATA[12151]]></INFO>
          <INFO key="subscription_id"><![CDATA[988978]]></INFO>
          <INFO key="cert"><![CDATA[...]]></INFO>
          <INFO key="common_name"><![CDATA[s2012r2-S2012R2DC-CA]]></INFO>
          <INFO key="valid_from"><![CDATA[2016-02-18 00:50:44]]></INFO>
          <INFO key="valid_to"><![CDATA[2041-02-18 01:00:43]]></INFO>
          <INFO key="md5"><![CDATA[6cad6bf15de8223d495c309caed61d]]></INFO>
          <INFO key="shal"><![CDATA[12150]]></INFO>
          <INFO key="subscription_id"><![CDATA[988978]]></INFO>
          <INFO key="cert"><![CDATA[...]]></INFO>
          <INFO key="common_name"><![CDATA[MLQA]]></INFO>
          <INFO key="valid_from"><![CDATA[2016-02-04 22:47:44]]></INFO>
          <INFO key="valid_to"><![CDATA[2021-02-03 22:47:44]]></INFO>
          <INFO key="md5"><![CDATA[38ea3125de31f6a52fd38d35cf9e02c]]></INFO>
          <INFO key="shal"><![CDATA[dc9ca85e40fcf524a3a25b9decf0b9e0d5abc07f]]></INFO>
        </INFO>
      </INFO>
    </SCAN>
  </FO>
</SUBSCRIPTION>
</RECORD>
Subscription Configurations
Export Subscription Configurations

NFO>
  <INFO key="cert_data"><![CDATA[-----BEGIN CERTIFICATE-----
MIIGdjCCBF6gAwIBAgIBDAANBgkqhkiG9w0BAQQFAwDCh8MKoYIKoYIKoYIGhB
EzARBgNVBQcBDA8wDQYDKgwYIBARGEEG1UECwMUom1hLmpzcGVkLmNvbSBD
A1UEchMGUXVhbHlzMQ0wCwYDVQQLEwRNTFBBMR4wHAYJ
...-----END CERTIFICATE-----
]]></INFO>

</SCANNER_TRUSTED_CA>

<EXCLUDED_IPS>
  <INFO key="id"><![CDATA[2105299]]></INFO>
  <INFO key="subscription_id"><![CDATA[988978]]></INFO>
  <INFO key="excluded_history_id"><![CDATA[819470]]></INFO>
  <INFO key="ip_start"><![CDATA[-1979053548]]></INFO>
  <INFO key="ip_end"><![CDATA[-1979053548]]></INFO>
  <INFO key="network_id"><![CDATA[0]]></INFO>
</EXCLUDED_IPS>

<EXCLUDED_IPS_EXPIRATION>
  <INFO key="id"><![CDATA[499297]]></INFO>
  <INFO key="subscription_id"><![CDATA[988978]]></INFO>
  <INFO key="network_id"><![CDATA[0]]></INFO>
  <INFO key="expiration_date"><![CDATA[2018-02-25 00:00:00]]></INFO>
  <INFO key="ip_start"><![CDATA[-2147483646]]></INFO>
  <INFO key="ip_end"><![CDATA[-2147483646]]></INFO>
  <INFO key="notification_sent"><![CDATA[0]]></INFO>
  <INFO key="created_by"><![CDATA[1016452]]></INFO>
  <INFO key="created_on"><![CDATA[2017-03-02 12:00:00]]></INFO>
</EXCLUDED_IPS_EXPIRATION>

<EXCLUDED_IPS_EXPIRATION>
  <INFO key="id"><![CDATA[499298]]></INFO>
  <INFO key="subscription_id"><![CDATA[988978]]></INFO>
  <INFO key="network_id"><![CDATA[0]]></INFO>
  <INFO key="expiration_date"><![CDATA[2018-02-25 00:00:00]]></INFO>
  <INFO key="ip_start"><![CDATA[-1979056128]]></INFO>
  <INFO key="ip_end"><![CDATA[-1979056128]]></INFO>
  <INFO key="notification_sent"><![CDATA[0]]></INFO>
  <INFO key="created_by"><![CDATA[1016452]]></INFO>
  <INFO key="created_on"><![CDATA[2017-03-02 12:00:00]]></INFO>
</EXCLUDED_IPS_EXPIRATION>
<INFO key="expiration_date"><![CDATA[2017-07-21 00:00:00]]></INFO>
<INFO key="ip_start"><![CDATA[-1305333198]]></INFO>
<INFO key="ip_end"><![CDATA[-1305333198]]></INFO>
<INFO key="notification_sent"><![CDATA[0]]></INFO>
<INFO key="created_by"><![CDATA[1016452]]></INFO>
<INFO key="created_on"><![CDATA[2017-03-03 05:01:25]]></INFO>
<INFO key="notify_dg"><![CDATA[1334754]]></INFO>
</EXCLUDED_IPS_EXPIRATION>
<EXCLUDED_HISTORY>
<INFO key="id"><![CDATA[819470]]></INFO>
<INFO key="subscription_id"><![CDATA[988978]]></INFO>
<INFO key="user_id"><![CDATA[1016452]]></INFO>
<INFO key="insertion_date"><![CDATA[2017-05-16 05:56:42]]></INFO>
<INFO key="action"><![CDATA[1]]></INFO>
<INFO key="comments"><![CDATA[addd]]></INFO>
<INFO key="params"><![CDATA[10.10.10.20]]></INFO>
<INFO key="network_id"><![CDATA[0]]></INFO>
</EXCLUDED_HISTORY>
</SCAN>
</REPORTS>
<INFO key="cpe.support"><![CDATA[1]]></INFO>
<INFO key="secrisk.ignore_0_risk_hosts"><![CDATA[1]]></INFO>
<INFO key="scheduled.reporting.email.attachments"><![CDATA[0]]></INFO>
<INFO key="scheduled.reporting.email.links"><![CDATA[1]]></INFO>
</BUSINESS_RISK>
</BUSINESS_RISK_MATRIX>
<INFO key="subscription_id"><![CDATA[988978]]></INFO>
<INFO key="title_1"><![CDATA[Low]]></INFO>
<INFO key="title_2"><![CDATA[Minor]]></INFO>
<INFO key="title_3"><![CDATA[Medium]]></INFO>
<INFO key="title_4"><![CDATA[High]]></INFO>
<INFO key="title_5"><![CDATA[Critical]]></INFO>
<INFO key="risk_calculation"><![CDATA[0]]></INFO>
</BUSINESS_RISK>
<INFO key="subscription_id"><![CDATA[988978]]></INFO>
<INFO key="impact"><![CDATA[1]]></INFO>
<INFO key="severity"><![CDATA[1]]></INFO>
<INFO key="value"><![CDATA[0]]></INFO>
</INFO>
Subscription Configurations
Export Subscription Configurations

```xml
<INFO key="severity"><![CDATA[2]]></INFO>
<INFO key="value"><![CDATA[0]]></INFO>
<INFO key="subscription_id"><![CDATA[988978]]></INFO>
<INFO key="impact"><![CDATA[1]]></INFO>
<INFO key="severity"><![CDATA[3]]></INFO>
<INFO key="value"><![CDATA[1]]></INFO>
...
</BUSINESS_RISK_MATRIX>
</REPORTS>
<REMEDIATION>
/INFO
key="remedy.qualysguard_can_fix"><![CDATA[1]]></INFO>
/INFO
key="remedy.scanners_canIgnore"><![CDATA[1]]></INFO>
/INFO
key="remedy.scanners_can_delete"><![CDATA[1]]></INFO>
</REMEDIATION>
<USERS>
/INFO
key="saml.enable.new.users"><![CDATA[1]]></INFO>
/INFO
key="password.expiration.enabled"><![CDATA[1]]></INFO>
/INFO
key="password.lock.enabled"><![CDATA[1]]></INFO>
/INFO
key="password.custom.allowed"><![CDATA[1]]></INFO>
/INFO
key="password.check.length"><![CDATA[1]]></INFO>
/INFO
key="password.alphanum"><![CDATA[1]]></INFO>
/INFO
key="password.force_reset"><![CDATA[1]]></INFO>
/INFO
key="password.expiration.time"><![CDATA[2]]></INFO>
/INFO
key="permission.restrict_view_user_info_on_user_datalist"><![CDATA[1]]></INFO>
/INFO
key="notify.password.expiry.flag"><![CDATA[1]]></INFO>
/INFO
key="change.password.at.login"><![CDATA[1]]></INFO>
/INFO
key="vip.enforce"><![CDATA[0]]></INFO>
/INFO
key="show.modify_external_id_perm"><![CDATA[1]]></INFO>
/INFO
key="password.lock.attempts"><![CDATA[3]]></INFO>
/INFO
key="password.min_length"><![CDATA[7]]></INFO>
/INFO
key="restrict_view_user_info"><![CDATA[1]]></INFO>
/INFO
key="restrict_view_sched_task"><![CDATA[1]]></INFO>
/INFO
key="limit_no_of_ips_for_unit_manager"><![CDATA[1]]></INFO>
/INFO
key="fo.login.secureip.flag"><![CDATA[true]]></INFO>
/INFO
key="session.expiration"><![CDATA[200]]></INFO>
/INFO
key="qagent.enable.merging"><![CDATA[1]]></INFO>
</SUB_IPV6_RESTRICT_MAP>
```
Subscription Configurations
Export Subscription Configurations

```xml
<INFO key="id"><![CDATA[1020]]></INFO>
<INFO key="subscription_id"><![CDATA[988978]]></INFO>
<INFO key="ip_start"><![CDATA[77884452878022414427957444938301440]]></INFO>
<INFO key="ip_end"><![CDATA[77884452878022414427957444938301440]]></INFO>
</SUB_IPV6_RESTRICT_MAP>
<SUBSCRIPTION_IP_RESTRICT_MAP>
<INFO key="subscription_id"><![CDATA[988978]]></INFO>
<INFO key="ip_range_id"><![CDATA[322590]]></INFO>
<INFO key="subscription_id"><![CDATA[988978]]></INFO>
<INFO key="ip_range_id"><![CDATA[670577]]></INFO>
<INFO key="subscription_id"><![CDATA[988978]]></INFO>
<INFO key="ip_range_id"><![CDATA[671597]]></INFO>
<INFO key="subscription_id"><![CDATA[988978]]></INFO>
<INFO key="ip_range_id"><![CDATA[671598]]></INFO>
</SUBSCRIPTION_IP_RESTRICT_MAP>
<IP_RANGE>
<INFO key="id"><![CDATA[322590]]></INFO>
<INFO key="ip_start"><![CDATA[-1972256617]]></INFO>
<INFO key="ip_end"><![CDATA[-1972256617]]></INFO>
<INFO key="id"><![CDATA[670577]]></INFO>
<INFO key="ip_start"><![CDATA[-1979055871]]></INFO>
<INFO key="ip_end"><![CDATA[-1978990593]]></INFO>
<INFO key="id"><![CDATA[671597]]></INFO>
<INFO key="ip_start"><![CDATA[-1972256617]]></INFO>
<INFO key="ip_end"><![CDATA[-1972256617]]></INFO>
<INFO key="id"><![CDATA[671598]]></INFO>
<INFO key="ip_start"><![CDATA[-1979055871]]></INFO>
<INFO key="ip_end"><![CDATA[-1978990593]]></INFO>
</IP_RANGE>
</SUBSCRIPTION>
</RECORD>
```
Subscription Configurations

Export Subscription Configurations

Subscription Info DTD

The Subscription Information DTD (subscription_info.dtd) is shown below.

```xml
<!ELEMENT RECORD (SUBSCRIPTION)*>  
<!ELEMENT SUBSCRIPTION (INFO|FO)>  
<!ELEMENT INFO (#PCDATA)>  
<!ATTLIST INFO
  key CDATA #REQUIRED>  
<!ELEMENT FO (SCAN|REPORTS|REMEDICATION|USERS)>  
<!ELEMENT SCAN
  (INFO|SCANNER_TRUSTED_CA|EXCLUDED_IPS|EXCLUDED_HISTORY|EXCLUDED_IPS_EXPIRATION)*>  
<!ELEMENT SCANNER_TRUSTED_CA (INFO)>  
<!ELEMENT EXCLUDED_IPS (INFO)>  
<!ELEMENT EXCLUDED_HISTORY (INFO)>  
<!ELEMENT EXCLUDED_IPS_EXPIRATION (INFO)>  
<!ELEMENT REPORTS
  (INFO|BUSINESS_RISK|BUSINESS_RISK_MATRIX)*>  
<!ELEMENT BUSINESS_RISK (INFO)>  
<!ELEMENT BUSINESS_RISK_MATRIX (INFO)>  
<!ELEMENT REMEDICATION (INFO)>  
<!ELEMENT USERS
  (INFO|SUB_IPV6_RESTRICT_MAP|SUBSCRIPTION_IP_RESTRICT_MAP|IP_RANGE)*>  
<!ELEMENT SUB_IPV6_RESTRICT_MAP (INFO)>  
<!ELEMENT SUBSCRIPTION_IP_RESTRICT_MAP (INFO)>  
<!ELEMENT IP_RANGE (INFO)>  
```
**Import Subscription Configurations**

Import subscription settings from an XML file to your account. Note that certain settings (INFO keys) will be ignored during import action. See Subscription INFO Keys.

URL: https://<baseurl>/api/2.0/fo/subscription/index.php

Methods allowed: POST

Permissions: Manager Only

**Input parameters**

Use these parameters when making your request.

<table>
<thead>
<tr>
<th>parameter</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>action=import</td>
<td>(Optional) By default we'll include setup configuration settings from all sections of the UI. Use this parameter to import settings from certain sections only. Possible values are: all (the default), scan, reports, remediation, users. Multiple values are comma separated.</td>
</tr>
<tr>
<td>import_type={value}</td>
<td>(Optional) By default we'll include setup configuration settings from all sections of the UI. Use this parameter to import settings from certain sections only. Possible values are: all (the default), scan, reports, remediation, users. Multiple values are comma separated.</td>
</tr>
</tbody>
</table>

**Example**

Request:

```
curl -u "username:password" -H "Content-type: text/xml" -X "POST" --data-binary @export_config.xml "https://qualysapi.qualys.com/api/2.0/fo/subscription/?action=import" > import_config.xml
```

Response:

```
<?xml version="1.0" encoding="UTF-8" ?>
<!DOCTYPE SIMPLERETURN SYSTEM "https://qualysapi.qualys.com/api/2.0/simple_return.dtd">
<SIMPLERETURN>
  <RESPONSE>
    <DATETIME>2017-01-09T13:39:26Z</DATETIME>
    <TEXT>Successfully imported subscription prefs for subscription Id 78091</TEXT>
  </RESPONSE>
</SIMPLERETURN>
```
## Subscription INFO Keys

### RECORD > SUBSCRIPTION > FO > SCAN

<table>
<thead>
<tr>
<th>INFO Key</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>global_storage=[null</td>
<td>1]</td>
</tr>
<tr>
<td>agnt.track.accept=[0</td>
<td>1</td>
</tr>
<tr>
<td>scheduling.prevent.overlapping.scans=[0</td>
<td>1]</td>
</tr>
<tr>
<td>scheduling.relaunch.finished.scans=[0</td>
<td>1]</td>
</tr>
</tbody>
</table>

### RECORD > SUBSCRIPTION > FO > SCAN > SCANNER_TRUSTED_CA

<table>
<thead>
<tr>
<th>INFO Key</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>id={value}</td>
<td>The certificate ID. This key is ignored for import action. The value is set based on the subscription of the user making the API request.</td>
</tr>
<tr>
<td>subscription_id={value}</td>
<td>The subscription ID. This key is ignored for import action. The value is set based on the subscription of the user making the API request.</td>
</tr>
<tr>
<td>cert={value}</td>
<td>The name of the trusted certificate authority.</td>
</tr>
<tr>
<td>common_name={value}</td>
<td>The name of the certificate.</td>
</tr>
<tr>
<td>valid_from={value}</td>
<td>The first date the certificate is considered valid.</td>
</tr>
<tr>
<td>valid_to={value}</td>
<td>The last date the certificate is considered valid.</td>
</tr>
<tr>
<td>md5={value}</td>
<td>The MD5 fingerprint used by the scanner for SSL verification.</td>
</tr>
<tr>
<td>sha1={value}</td>
<td>The SHA1 fingerprint used by the scanner for SSL verification.</td>
</tr>
<tr>
<td>cert_data={value}</td>
<td>The content of the certificate file.</td>
</tr>
</tbody>
</table>
### Subscription Configurations

#### Subscription INFO Keys

**INFO Key** | **Description**
---|---
`id={value}` | An auto-generated ID for the excluded hosts list. This key is ignored for import action. The value is set based on the subscription of the user making the API request.

`subscription_id={value}` | The subscription ID. This key is ignored for import action. The value is set based on the subscription of the user making the API request.

`excluded_history_id={value}` | An auto-generated ID for the excluded hosts history. This key is ignored for import action. The value is set based on the subscription of the user making the API request.

`ip_start={value}` | The first IP in the range of IPs to be excluded.

`ip_end={value}` | The last IP in the range of IPs to be excluded.

`network_id={value}` | The network ID.

---

**INFO Key** | **Description**
---|---
`id={value}` | An auto-generated ID for the expiration settings. This key is ignored for import action. The value is set based on the subscription of the user making the API request.

`subscription_id={value}` | The subscription ID. This key is ignored for import action. The value is set based on the subscription of the user making the API request.

`network_id={value}` | The network ID.

`expiration_date={value}` | The expiration date for the set of excluded IPs. The date is determined by the deadline set at the time the IPs were added to the list.

`ip_start={value}` | The first IP in the range of IPs to be excluded.

`ip_end={value}` | The last IP in the range of IPs to be excluded.

`notification_sent={0|1}` | A value of 1 indicates that a notification will be sent 7 days before IPs are removed from the list, and 0 indicates that a notification will not be sent.

`created_by={value}` | The user who added IPs to the excluded IPs list with an expiration date set.

`created_on={value}` | The date/time IPs were added to the excluded IPs list with an expiration date set.

`notify_dg={value}` | The ID of a distribution group that will be sent the notification email.
## Subscription Configurations

### Subscription INFO Keys

**RECORD > SUBSCRIPTION > FO > SCAN > EXCLUDED_HISTORY**

<table>
<thead>
<tr>
<th>INFO Key</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>id={value}</td>
<td>An auto-generated ID for the history settings. This key is ignored for import action. The value is set based on the subscription of the user making the API request.</td>
</tr>
<tr>
<td>subscription_id={value}</td>
<td>The subscription ID. This key is ignored for import action. The value is set based on the subscription of the user making the API request.</td>
</tr>
<tr>
<td>user_id={value}</td>
<td>The user ID for the user who made a change to the Excluded Hosts list. This key is ignored for import action. We’ll set this value to the user ID of the user making the API request.</td>
</tr>
<tr>
<td>action={add</td>
<td>remove}</td>
</tr>
<tr>
<td>comments={value}</td>
<td>User-provided comments at the time of the action.</td>
</tr>
<tr>
<td>params={value}</td>
<td>The IP addresses included in the action.</td>
</tr>
<tr>
<td>network_id={value}</td>
<td>The network ID.</td>
</tr>
</tbody>
</table>

**RECORD > SUBSCRIPTION > FO > REPORTS**

<table>
<thead>
<tr>
<th>INFO Key</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>cpe.support={null</td>
<td>1}</td>
</tr>
<tr>
<td>secrisk.ignore_0_risk_hosts={null</td>
<td>1}</td>
</tr>
<tr>
<td>scheduled.reporting.email.attachments={0</td>
<td>1}</td>
</tr>
<tr>
<td>scheduled.reporting.email.links={0</td>
<td>1}</td>
</tr>
</tbody>
</table>
**Subscription Configurations**

**Subscription INFO Keys**

<table>
<thead>
<tr>
<th>INFO Key</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>subscription_id={value}</td>
<td>The subscription ID. This key is ignored for import action. The value is set based on the subscription of the user making the API request.</td>
</tr>
<tr>
<td>title_1={value}</td>
<td>The business impact title in the first column of the Business Risk lookup table under Reports &gt; Setup &gt; Business Risk.</td>
</tr>
<tr>
<td>title_2={value}</td>
<td>The business impact title in the second column of the Business Risk lookup table under Reports &gt; Setup &gt; Business Risk.</td>
</tr>
<tr>
<td>title_3={value}</td>
<td>The business impact title in the third column of the Business Risk lookup table under Reports &gt; Setup &gt; Business Risk.</td>
</tr>
<tr>
<td>title_4={value}</td>
<td>The business impact title in the fourth column of the Business Risk lookup table under Reports &gt; Setup &gt; Business Risk.</td>
</tr>
<tr>
<td>title_5={value}</td>
<td>The business impact title in the fifth column of the Business Risk lookup table under Reports &gt; Setup &gt; Business Risk.</td>
</tr>
<tr>
<td>risk_calculation={0</td>
<td>1}</td>
</tr>
</tbody>
</table>

**INFO Key**

<table>
<thead>
<tr>
<th>INFO Key</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>subscription_id={value}</td>
<td>The subscription ID. This key is ignored for import action. The value is set based on the subscription of the user making the API request.</td>
</tr>
</tbody>
</table>

| impact={value}           | The business impact (1-5).                                                                                                                                                                               |
| severity={value}         | The security risk (1-5).                                                                                                                                                                                  |
| value={value}            | The business risk value (0-100).                                                                                                                                                                          |
### RECORD > SUBSCRIPTION > FO > REMEDIATION

<table>
<thead>
<tr>
<th>INFO Key</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>remedy.qualysguard_can_fix=x={null</td>
<td>1}</td>
</tr>
<tr>
<td>remedy.scanners_can_ignore=x={null</td>
<td>1}</td>
</tr>
<tr>
<td>remedy.scanners_can_delete=x={null</td>
<td>1}</td>
</tr>
</tbody>
</table>

### RECORD > SUBSCRIPTION > FO > USERS

<table>
<thead>
<tr>
<th>INFO Key</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>saml.enable.new.users=x={0</td>
<td>1}</td>
</tr>
<tr>
<td>password.expiration.enabled=x={0</td>
<td>1}</td>
</tr>
<tr>
<td>password.lock.enabled=x={0</td>
<td>1}</td>
</tr>
<tr>
<td>password.custom.allowed=x={0</td>
<td>1}</td>
</tr>
<tr>
<td>password.check_length=x={0</td>
<td>1}</td>
</tr>
<tr>
<td>password.alphanum=x={0</td>
<td>1}</td>
</tr>
<tr>
<td>password.force_reset=x={0</td>
<td>1}</td>
</tr>
<tr>
<td>password.expiration.time=x={value}</td>
<td>The number of months (1-12) allowed before the password expires when the “Password expires after N months” setting is enabled.</td>
</tr>
<tr>
<td>permission.restrict_view_user_info_on_user_datalist=x={0</td>
<td>1}</td>
</tr>
<tr>
<td>notify.password.expiry.flag=x={0</td>
<td>1}</td>
</tr>
<tr>
<td>INFO Key</td>
<td>Description</td>
</tr>
<tr>
<td>----------------------------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>change.password.at.login=[0</td>
<td>1]</td>
</tr>
<tr>
<td>vip.enforce=[0</td>
<td>1]</td>
</tr>
<tr>
<td>show.modify_external_id_perm=[0</td>
<td>1]</td>
</tr>
<tr>
<td>password.lock.attempts=[value]</td>
<td>Number of login attempts allowed (3-10) before the user’s account will be locked.</td>
</tr>
<tr>
<td>password.min_length=[value]</td>
<td>The minimum number of characters required (6-16) for a user-defined password.</td>
</tr>
<tr>
<td>restrict_view_user_info=[0</td>
<td>1]</td>
</tr>
<tr>
<td>restrict_view_sched_task=[0</td>
<td>1]</td>
</tr>
<tr>
<td>limit_no_of_ips_for_unit_manager=[0</td>
<td>1]</td>
</tr>
<tr>
<td>fo.login.secureip.flag=[null</td>
<td>true]</td>
</tr>
<tr>
<td>session.expiration=[value]</td>
<td>The session timeout in minutes (5-240) specified under Users &gt; Setup &gt; Security.</td>
</tr>
<tr>
<td>qagent.enable.merging=[value]</td>
<td>A value of 1 indicates the “Show unified views of hosts” option is selected in Cloud Agent Setup under Users Setup.</td>
</tr>
</tbody>
</table>
### RECORD > SUBSCRIPTION > FO > USERS > SUB_IPV6_RESTRICT_MAP

<table>
<thead>
<tr>
<th>INFO Key</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>subscription_id={value}</td>
<td>The subscription ID. This key is ignored for import action. The value is set based on the subscription of the user making the API request.</td>
</tr>
<tr>
<td>ip_range_id={value}</td>
<td>An auto-generated ID for the IP range. This key is ignored for import action. The value is set based on the subscription of the user making the API request.</td>
</tr>
</tbody>
</table>

### RECORD > SUBSCRIPTION > FO > USERS > SUBSCRIPTION_IP_RESTRICT_MAP

<table>
<thead>
<tr>
<th>INFO Key</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>subscription_id={value}</td>
<td>The subscription ID. This key is ignored for import action. The value is set based on the subscription of the user making the API request.</td>
</tr>
<tr>
<td>ip_range_id={value}</td>
<td>An auto-generated ID for the IP range. This key is ignored for import action. The value is set based on the subscription of the user making the API request.</td>
</tr>
</tbody>
</table>

### RECORD > SUBSCRIPTION > FO > USERS > IP_RANGE

<table>
<thead>
<tr>
<th>INFO Key</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>id={value}</td>
<td>An auto-generated ID for the IP range. This key is ignored for import action. The value is set based on the subscription of the user making the API request.</td>
</tr>
<tr>
<td>ip_start={value}</td>
<td>The first IP address in the range of IPs allowed to connect to the subscription (under Users &gt; Setup &gt; Security &gt; Restricted Access).</td>
</tr>
<tr>
<td>ip_end={value}</td>
<td>The last IP address in the range of IPs allowed to connect to the subscription (under Users &gt; Setup &gt; Security &gt; Restricted Access).</td>
</tr>
</tbody>
</table>
User Preferences

Use these API functions to export/import user preferences for users in your subscription.

Export User Preferences
Import User Preferences
User Preferences INFO Keys

Export User Preferences

Export user preferences for a particular user account. You’ll need to specify the user ID as part of the API request.

URL: https://<baseurl>/api/2.0/fo/user_prefs/index.php
Methods allowed: GET
Permissions: Manager Only

Input parameters

Use these parameters when making your request.

| action=export | The ID for the user account you want to export.
| user_id={value} |

Example

Request:

curl -u "username:password" -H "X-Requested-With:curl" "https://qualysapi.qualys.com/api/2.0/fo/user_prefs/?action=export &user_id=1020428" > export_user_prefs.xml

Response

<?xml version="1.0" encoding="UTF-8" ?>
<!DOCTYPE RECORD SYSTEM "https://qualysapi.qualys.com/api/2.0/user_prefs/user_pref.dtd">
<RECORD>
  <USER>
    <INFO key="user_id">1020428</INFO>
    <INFO key="username">qualys_ps64</INFO>
    <INFO key="subscription_id">991205</INFO>
    <INFO key="firstname">Patrick</INFO>
    <INFO key="lastname">Slimmer</INFO>
    <INFO key="prefix">Mr</INFO>
  </USER>
</RECORD>
<INFO key="title"><![CDATA[IT Manager]]></INFO>
<INFO key="company"><![CDATA[Qualys, Inc.]]></INFO>
<INFO key="addr1"><![CDATA[1600 Bridge Pkwy]]></INFO>
<INFO key="city"><![CDATA[Redwood City]]></INFO>
<INFO key="zip code"><![CDATA[94065]]></INFO>
<INFO key="state"><![CDATA[California]]></INFO>
<INFO key="country"><![CDATA[United States of America]]></INFO>
<INFO key="phone"><![CDATA[6508016100]]></INFO>
<INFO key="fax"><![CDATA[6508016101]]></INFO>
<INFO key="email"><![CDATA[pslimmer@qualys.com]]></INFO>
<INFO key="user status"><![CDATA[4]]></INFO>
<INFO key="created by"><![CDATA[qualys_yn52]]></INFO>
<INFO key="creation date"><![CDATA[2017-03-02 19:23:15]]></INFO>
<INFO key="updated by"><![CDATA[qualys_yn52]]></INFO>
<INFO key="update date"><![CDATA[2017-03-02 19:53:58]]></INFO>
<INFO key="user role"><![CDATA[50]]></INFO>
<INFO key="notification"><![CDATA[26201]]></INFO>
<INFO key="scan complete notification"><![CDATA[on]]></INFO>
<INFO key="scan notification"><![CDATA[on]]></INFO>
<INFO key="map notification"><![CDATA[on]]></INFO>
<INFO key="latest vulnerabilities"><![CDATA[weekly]]></INFO>
<INFO key="daily ticket"><![CDATA[1]]></INFO>
<INFO key="latest controls"><![CDATA[monthly]]></INFO>
<INFO key="exception notification"><![CDATA[my exceptions]]></INFO>
<INFO key="report notification"><![CDATA[all reports]]></INFO>
<INFO key="vuln lang"><![CDATA[en]]></INFO>
<INFO key="user report quota usage"><![CDATA[118535]]></INFO>
<INFO key="user assigned report quota"><![CDATA[209715200]]></INFO>
<INFO key="last login date"><![CDATA[2017-03-02 19:53:50]]></INFO>
<INFO key="uuid"><![CDATA[8e93b65f-798b-d086-817d-0d8721cc7d96]]></INFO>
<INFO key="business unit"><![CDATA[Unassigned]]></INFO>
<SCAN>
<INFO key="storage.auto_delete_time_scan"><![CDATA[12]]></INFO>
<INFO key="storage.auto_delete_time_map"><![CDATA[12]]></INFO>
<INFO key="storage.auto_delete_time_scan"><![CDATA[12]]></INFO>
key="storage.auto_delete_time_map"><![CDATA[12]]></SCAN></INFO>
<REPORTS><INFO key="ui.mapreport_launcher.last_selected_report_format"><![CDATA[80]]></INFO>
<INFO key="ui.remedy_report.last_selected_report_format"><![CDATA[10]]></INFO>
<INFO key="ui.create_asr_report_2.last_selected_report_format"><![CDATA[80]]></INFO>
<INFO key="ui.create_scorecard_1.last_selected_report_format"><![CDATA[80]]></INFO>
<INFO key="ui.create_scan_report.last_selected_report_format"><![CDATA[80]]></INFO></REPORTS><REMEDIATION><INFO key="fo.remedyticket.timeframe_selection"><![CDATA[90]]></INFO></REMEDIATION><USERS><INFO key="password.change_time"><![CDATA[1488482619]]></INFO>
<INFO key="fo.activitylog.timeframe_selection"><![CDATA[30]]></INFO>
<INFO key="fo.can.access.gui"><![CDATA[1]]></INFO>
<INFO key="api.can.access.api"><![CDATA[1]]></INFO>
<INFO key="fo.security.questions.one"><![CDATA[1dE=]]></INFO>
<INFO key="fo.security.questions.two"><![CDATA[1dI=]]></INFO>
<INFO key="fo.security.questions.three"><![CDATA[1dM=]]></INFO>
<INFO key="fo.security.questions.answer.one"><![CDATA[5Q==]]></INFO>
<INFO key="fo.security.questions.answer.two"><![CDATA[5g==]]></INFO>
<INFO key="fo.security.questions.answer.three"><![CDATA[5w==]]></INFO>
<INFO key="fo.landing.is_kb"><![CDATA[fo.landing.is_dashboard]]></INFO>
<INFO key="secmanage.katana.accepted-toc"><![CDATA[true]]></INFO>
<INFO key="fo.user.dateformat"><![CDATA[mdy]]></INFO>
<INFO key="fo.manage.virtual.scanner"><![CDATA[-
User Preferences
Export User Preferences

User Preferences DTD
The User Preferences DTD (user_pref.dtd) is shown below.

```xml
<!ELEMENT RECORD (USER)>
  <!ELEMENT USER (INFO|FO)>
  <!ELEMENT INFO (#PCDATA)>
  <!ATTLIST INFO
    key CDATA #REQUIRED>
  <!ELEMENT FO (SCAN|REPORTS|REMEDIATION|USERS)>
  <!ELEMENT SCAN (INFO)>
  <!ELEMENT REPORTS (INFO)>
  <!ELEMENT REMEDIATION (INFO)>
  <!ELEMENT USERS (INFO)>
```
Import User Preferences

Import user preferences from an XML file to your subscription. We’ll import the user preferences to the subscription belonging to the user making the API request. Note that certain user preferences (INFO keys) will be ignored during import action. See User Preferences INFO Keys.

URL: https://<baseurl>/api/2.0/fo/user_prefs/index.php
Methods allowed: POST
Permissions: Manager Only

Input parameters
Use these parameters when making your request.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>action=import</td>
<td>(Optional) When user_id is specified, we’ll update the user account with the user preferences in the XML file. When user_id is not specified, we’ll create a new user account in your subscription with the user preferences.</td>
</tr>
<tr>
<td>user_id={value}</td>
<td></td>
</tr>
</tbody>
</table>

Examples
Sample 1 - In this example, we’re updating the user account with user ID 1022024 with the user preferences from the XML file.

Request (update user):

```bash
curl -u "username:password" -H "Content-type: text/xml" -X "POST" --data-binary @export_user_prefs.xml "https://qualysapi.qualys.com/api/2.0/fo/user_prefs/?action=import&user_id=1022024" > import_user_prefs.xml
```

Response

```xml
<?xml version="1.0" encoding="UTF-8" ?>
<!DOCTYPE SIMPLE_RETURN SYSTEM "https://qualysapi.qualys.com/api/2.0/simple_return.dtd">
<SIMPLE_RETURN>
  <RESPONSE>
    <DATETIME>2017-03-07T00:46:04Z</DATETIME>
    <TEXT>Successfully imported user prefs</TEXT>
    <ITEM_LIST>
      <ITEM>
        <KEY>login</KEY>
        <VALUE>qualys_ps84</VALUE>
      </ITEM>
      <ITEM>
        <KEY>user_id</KEY>
      </ITEM>
    </ITEM_LIST>
  </RESPONSE>
</SIMPLE_RETURN>
```
Sample 2 - In this example, we're creating a new user account with the user preferences from the XML file. The user ID in the output is for the newly created user account.

**Request (create user):**
```
curl -u "username:password" -H "Content-type: text/xml" -X "POST"
--data-binary @export_user_prefs.xml
"https://qualysapi.qualys.com/api/2.0/fo/user_prefs/?action=import"
" > import_user_prefs.xml
```

**Response**
```
<?xml version="1.0" encoding="UTF-8" ?>
<!DOCTYPE SIMPLE_RETURN SYSTEM
"https://qualysapi.qualys.com/api/2.0/simple_return.dtd">
<SIMPLE_RETURN>
<RESPONSE>
  <DATETIME>2017-03-07T00:42:12Z</DATETIME>
  <TEXT>Successfully imported user prefs</TEXT>
  <ITEM_LIST>
    <ITEM>
      <KEY>login</KEY>
      <VALUE>qualys_ps86</VALUE>
    </ITEM>
    <ITEM>
      <KEY>user_id</KEY>
      <VALUE>1022026</VALUE>
    </ITEM>
  </ITEM_LIST>
</RESPONSE>
</SIMPLE_RETURN>
```
## User Preferences INFO Keys

**RECORD > USER > INFO**

<table>
<thead>
<tr>
<th>INFO Key</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>user_id={value}</td>
<td>The unique ID for the user’s account.</td>
</tr>
<tr>
<td>username={value}</td>
<td>The Qualys user login ID for the user’s account.</td>
</tr>
<tr>
<td>subscription_id={value}</td>
<td>The subscription ID.</td>
</tr>
<tr>
<td>firstname={value}</td>
<td>The user’s first name (max 50 characters).</td>
</tr>
<tr>
<td>lastname={value}</td>
<td>The user’s last name (max 50 characters).</td>
</tr>
<tr>
<td>prefix={value}</td>
<td>The user’s prefix (Mr, Ms, Mrs).</td>
</tr>
<tr>
<td>title={value}</td>
<td>The user’s job title (max 100 characters).</td>
</tr>
<tr>
<td>company={value}</td>
<td>The user’s company name.</td>
</tr>
<tr>
<td>addr1={value}</td>
<td>The user’s address line 1 (max 80 characters).</td>
</tr>
<tr>
<td>city={value}</td>
<td>The user’s city (max 50 characters).</td>
</tr>
<tr>
<td>zipcode={value}</td>
<td>The zip code of the user’s address (max 20 characters).</td>
</tr>
<tr>
<td>state={value}</td>
<td>The user’s state code. A valid value depends on the country code. See <a href="#">State Codes</a>.</td>
</tr>
<tr>
<td>country={value}</td>
<td>The user’s country code. See <a href="#">Country Codes</a>.</td>
</tr>
<tr>
<td>phone={value}</td>
<td>The user’s phone number (max 40 characters).</td>
</tr>
<tr>
<td>email={value}</td>
<td>The user’s email address. The address must be a properly formatted address with a maximum of 100 characters.</td>
</tr>
<tr>
<td>user_status={value}</td>
<td>The user’s current status. Possible values: 0 (Activation pending), 4 (Active), 16 (Deleted), 37 (Inactive).</td>
</tr>
<tr>
<td>created_by={value}</td>
<td>The user login ID for the manager who created the account.</td>
</tr>
<tr>
<td>creation_date={value}</td>
<td>The date the user account was created.</td>
</tr>
<tr>
<td>updated_by={value}</td>
<td>The user login ID for the manager who last updated the account.</td>
</tr>
<tr>
<td>update_date={value}</td>
<td>The date the user account was last updated.</td>
</tr>
<tr>
<td>user_role={value}</td>
<td>The user’s assigned role. Possible values: 7 (Auditor), 14 (Contact), 50 (Manager), 70 (Reader), 74 (Scanner), 83 (Unit Manager), 90 (KnowledgeBase Only), 95 (Remediation User).</td>
</tr>
<tr>
<td>notification={value}</td>
<td>Indicates a combined notification string for all the notifications that are enabled and disabled.</td>
</tr>
<tr>
<td>scan_complete_notification={value}</td>
<td>The Scan Complete Notification setting: On or Off.</td>
</tr>
<tr>
<td>scan_notification={value}</td>
<td>The Scan Summary Notification setting: On or Off.</td>
</tr>
<tr>
<td>map_notification={value}</td>
<td>The Map Notification setting: On or Off.</td>
</tr>
<tr>
<td>INFO Key</td>
<td>Description</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>latest_vulnerabilities=[value]</td>
<td>The Latest Vulnerabilities notification setting: Weekly, Daily or None.</td>
</tr>
<tr>
<td>daily_ticket=[0</td>
<td>1]</td>
</tr>
<tr>
<td>latest_controls=[value]</td>
<td>The Latest Controls notification setting: Monthly, Weekly or None.</td>
</tr>
<tr>
<td>exception_notification=[value]</td>
<td>The Exception Notification setting: My exceptions or No notifications.</td>
</tr>
<tr>
<td>report_notification=[value]</td>
<td>The Report Notification setting: My Reports or No Notifications</td>
</tr>
<tr>
<td>vuln_lang=[value]</td>
<td>The user's language setting: en (English) or ja (Japanese).</td>
</tr>
<tr>
<td>user_report_quota_usage=[value]</td>
<td>The amount of Report Share storage used by the user. <strong>This key is ignored for import action.</strong></td>
</tr>
<tr>
<td>user_assigned_report_quota=[value]</td>
<td>The Report Share limit for this user. <strong>This key is ignored for import action.</strong></td>
</tr>
<tr>
<td>last_login_date=[value]</td>
<td>The date/time when this user last logged in. <strong>This key is ignored for import action.</strong></td>
</tr>
<tr>
<td>uuid=[value]</td>
<td>The UUID assigned to this user. <strong>This key is ignored for import action.</strong></td>
</tr>
<tr>
<td>business_unit=[value]</td>
<td>The user's business unit.</td>
</tr>
</tbody>
</table>

**RECORD > USER > FO > SCAN**

<table>
<thead>
<tr>
<th>INFO Key</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>storage.auto_delete_time_scan=[value]</td>
<td>Indicates how long scan results will remain in the account before being auto deleted (1-13 months). A value of 0 indicates scan results will not be auto deleted.</td>
</tr>
<tr>
<td>storage.auto_delete_time_map=[value]</td>
<td>Indicates how long map results will remain in the account before being auto deleted (1-13 months). A value of 0 indicates map results will not be auto deleted.</td>
</tr>
</tbody>
</table>
### RECORD > USER > FO > REPORTS

<table>
<thead>
<tr>
<th>INFO Key</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ui.mapreport_launcher.last_selected_report_format={value}</td>
<td>The last selected report format by the user for Map Report. Possible values: 10 (CSV), 30 (HTML), 35 (Zip), 60 (MHT), 70 (PDF), 80 (XML).</td>
</tr>
<tr>
<td>ui.remedy_report.last_selected_report_format={value}</td>
<td>The last selected report format by the user for Remediation Report. Possible values: 10 (CSV), 30 (HTML), 35 (Zip), 60 (MHT), 70 (PDF), 80 (XML).</td>
</tr>
<tr>
<td>ui.dl_rpt_remedy_41.last_selected_report_format={value}</td>
<td>The last selected report format by the user for Daily Remediation Report. Possible values: 10 (CSV), 30 (HTML), 35 (Zip), 60 (MHT), 70 (PDF), 80 (XML).</td>
</tr>
<tr>
<td>ui.create_asr_report_2.last_selected_report_format={value}</td>
<td>The last selected report format by the user for Asset Search Report. Possible values: 10 (CSV), 30 (HTML), 35 (Zip), 60 (MHT), 70 (PDF), 80 (XML).</td>
</tr>
<tr>
<td>ui.create_scorecard_1.last_selected_report_format={value}</td>
<td>The last selected report format by the user for Scorecard Report. Possible values: 10 (CSV), 30 (HTML), 35 (Zip), 60 (MHT), 70 (PDF), 80 (XML).</td>
</tr>
<tr>
<td>ui.create_scan_report.last_selected_report_format={value}</td>
<td>The last selected report format by the user for Scan Report. Possible values: 10 (CSV), 30 (HTML), 35 (Zip), 60 (MHT), 70 (PDF), 80 (XML).</td>
</tr>
</tbody>
</table>

### RECORD > USER > FO > REMEDIATION

<table>
<thead>
<tr>
<th>INFO Key</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>fo.remedyticket.timeframe_selection={value}</td>
<td>Timeframe to use when displaying remediation tickets: 30 days, 90 days, 180 days or Unlimited (-1).</td>
</tr>
</tbody>
</table>

### RECORD > USER > FO > USERS

<table>
<thead>
<tr>
<th>INFO Key</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>password.change_time={value}</td>
<td>Indicates the last time the user’s password changed. <em>This key is ignored for import action.</em></td>
</tr>
<tr>
<td>fo.activitylog.timeframe_selection={value}</td>
<td>Timeframe to use when displaying the Activity Log in days: 7, 30, 90 or 180.</td>
</tr>
<tr>
<td>fo.user.timezone={value}</td>
<td>The user’s timezone. For example: AU-NSW for Australia New South West, IN for India, US-CA for USA-California.</td>
</tr>
<tr>
<td>fo.can.access.gui={0</td>
<td>1}</td>
</tr>
<tr>
<td>api.can.access.api={0</td>
<td>1}</td>
</tr>
<tr>
<td>fo.saml.enabled={0</td>
<td>1}</td>
</tr>
<tr>
<td>fo.security.questions.one={value}</td>
<td>Encoded value for the first secret question selected in the user profile.</td>
</tr>
<tr>
<td>INFO Key</td>
<td>Description</td>
</tr>
<tr>
<td>----------------------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>fo.security.questions.two={value}</td>
<td>Encoded value for the second secret question selected in the user profile.</td>
</tr>
<tr>
<td>fo.security.questions.three={value}</td>
<td>Encoded value for the third secret question selected in the user profile.</td>
</tr>
<tr>
<td>fo.security.questions.answer.one={value}</td>
<td>Encoded value for the answer to the first secret question.</td>
</tr>
<tr>
<td>fo.security.questions.answer.two={value}</td>
<td>Encoded value for the answer to the second secret question.</td>
</tr>
<tr>
<td>fo.security.questions.answer.three={value}</td>
<td>Encoded value for the answer to the third secret question.</td>
</tr>
<tr>
<td>fo.landing.is_kb={value}</td>
<td>The user-selected Home Page. Possible values:</td>
</tr>
<tr>
<td></td>
<td>fo.landing.is_dashboard (Dashboard)</td>
</tr>
<tr>
<td></td>
<td>fo.landing.is_map (Map)</td>
</tr>
<tr>
<td></td>
<td>fo.landing.is_kb (KnowledgeBase)</td>
</tr>
<tr>
<td></td>
<td>fo.landing.is_scan (Scan)</td>
</tr>
<tr>
<td></td>
<td>fo.landing.is_schedule (Schedule)</td>
</tr>
<tr>
<td></td>
<td>fo.landing.is_remedy (Remediation),</td>
</tr>
<tr>
<td></td>
<td>fo.landing.is_report_center (Report)</td>
</tr>
<tr>
<td></td>
<td>fo.landing.is_report (Report Templates)</td>
</tr>
<tr>
<td></td>
<td>fo.landing.is_comp_dashboard (Compliance Dashboard)</td>
</tr>
<tr>
<td></td>
<td>fo.landing.is_comp_policy (Compliance Policies)</td>
</tr>
<tr>
<td></td>
<td>fo.landing.is_exception (Compliance Exceptions)</td>
</tr>
<tr>
<td>guide.pages.hide={null</td>
<td>1}</td>
</tr>
<tr>
<td>ui.pwd_reset={0</td>
<td>1}</td>
</tr>
<tr>
<td></td>
<td>This key is ignored for import action.</td>
</tr>
<tr>
<td>secmanage.katana.accepted-toc={0</td>
<td>1}</td>
</tr>
<tr>
<td>fo.user.dateformat={value}</td>
<td>The user-selected date format: mdy (Month Day Year) or ydm (Year Day Month).</td>
</tr>
<tr>
<td>fo.can.access.vm={0</td>
<td>1}</td>
</tr>
<tr>
<td>fo.can.add.virtual_host={0</td>
<td>1}</td>
</tr>
<tr>
<td>fo.can.edit.remedy.policy={0</td>
<td>1}</td>
</tr>
<tr>
<td>fo.can.add.asset={0</td>
<td>1}</td>
</tr>
<tr>
<td>fo.can.create.option_profile={0</td>
<td>1}</td>
</tr>
</tbody>
</table>
### User Preferences

**INFO Keys**

<table>
<thead>
<tr>
<th>INFO Key</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>fo.can.purge.host={0</td>
<td>1}</td>
</tr>
<tr>
<td>fo.can.edit.ntauth={0</td>
<td>1}</td>
</tr>
<tr>
<td>fo.can.approve.exceptions={0</td>
<td>1}</td>
</tr>
<tr>
<td>fo.can.access.compliance={0</td>
<td>1}</td>
</tr>
<tr>
<td>fo.can.edit.compliance.policy={0</td>
<td>1}</td>
</tr>
<tr>
<td>fo.can.manage.webapp={0</td>
<td>1}</td>
</tr>
<tr>
<td>fo.can.create.webapp={0</td>
<td>1}</td>
</tr>
<tr>
<td>fo.manage.offline.scanner={0</td>
<td>1}</td>
</tr>
<tr>
<td>fo.manage.virtual.scanner={0</td>
<td>1}</td>
</tr>
<tr>
<td>fo.can.edit.external.id={0</td>
<td>1}</td>
</tr>
</tbody>
</table>

### Country Codes

Valid country codes:

State Codes

State Codes for United States
Value state codes when country is "United States of America":

State Codes for Australia
Valid state codes when country is "Australia":
No State | New South Wales | Northern Territory | Queensland | Tasmania | Victoria | Western Australia

State Codes for Canada
Valid state codes when country is "Canada":
No State | Alberta | British Columbia | Manitoba | New Brunswick | Newfoundland | Northwest Territories | Nova Scotia | Nunavut | Ontario | Prince Edward Island | Quebec | Saskatchewan | Yukon

State Codes for India
Valid state codes when country is "India":
No State | Andhra Pradesh | Andaman and Nicobar Islands | Arunachal Pradesh | Assam | Bihar | Chandigarh | Chhattisgarh | Dadra and Nagar Haveli | Daman and Diu | Delhi | Goa | Gujarat | Haryana | Himachal Pradesh | Jammu and Kashmir | Jharkhand | Karnataka | Kerala | Lakshadweep | Madhya Pradesh | Maharashtra | Manipur | Meghalaya | Mizoram | Nagaland | Orissa | Pondicherry | Punjab | Rajasthan | Sikkim | Tamil Nadu | Tripura | Uttarakhand | West Bengal