



Subscription Info API

User Guide

July 30, 2018

Copyright 2017-2018 by Qualys, Inc. All Rights Reserved.

Qualys and the Qualys logo are registered trademarks of Qualys, Inc. All other trademarks are the property of their respective owners.

Qualys, Inc.
919 E Hillsdale Blvd
4th Floor
Foster City, CA 94404
1 (650) 801 6100



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](#)

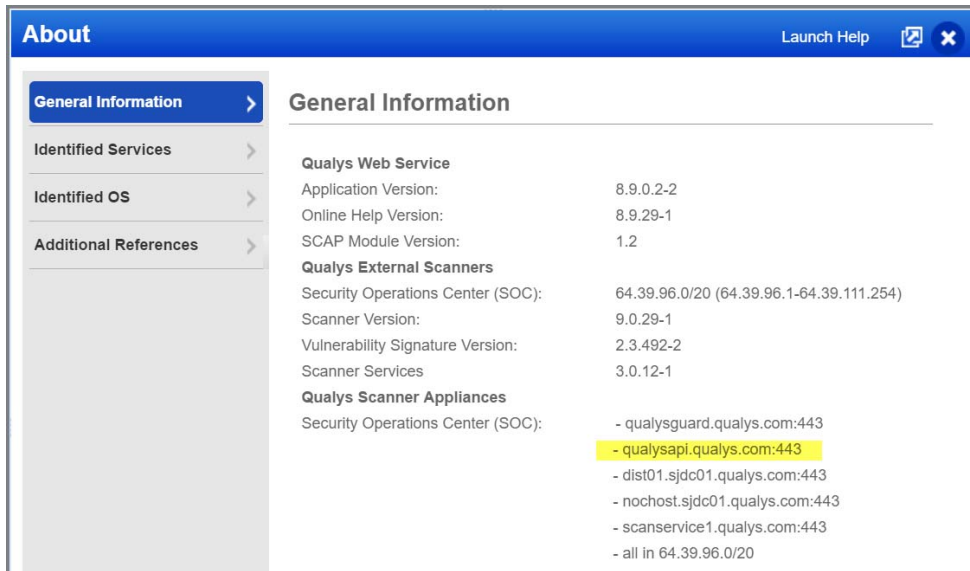
URL to the Qualys API Server

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.

Account Location	API Server URL
Qualys US Platform 1	https://qualysapi.qualys.com
Qualys US Platform 2	https://qualysapi.qg2.apps.qualys.com
Qualys US Platform 3	https://qualysapi.qg3.apps.qualys.com
Qualys EU Platform 1	https://qualysapi.qualys.eu
Qualys EU Platform 2	https://qualysapi.qg2.apps.qualys.eu
Qualys India Platform 1	https://qualysapi.qg1.apps.qualys.in
Qualys Private Cloud Platform	<a href="https://qualysapi.<customer_base_url>">https://qualysapi.<customer_base_url>

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/se>

The following Curl options are used according to different situations:

Option	Description
-u "LOGIN:PASSWORD"	This option is used for basic authentication.
-X "POST"	The POST method is required for some requests.
-H "content-type"	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.
--data-binary	This option is used to specify the POST data.

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.

<code>action=export</code>	
<code>export_type={value}</code>	(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.

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=expo
rt" > export_config.xml
```

Response:

```
<?xml version="1.0" encoding="UTF-8" ?>
<!DOCTYPE RECORD SYSTEM
```



```
"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="agnt.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[6cad6bf15de8223d495c5e309caed61d]]></INFO>
          <INFO
key="sha1"><![CDATA[1015ebf4f7e5b37b560ebe51ca813dd2cd743eed]]></I
NFO>
          <INFO key="cert_data"><![CDATA[-----BEGIN CERTIFICATE---
--
MIIEATCCAumgAwIBAgIQVFyk1RCwALRAMWTUpjVd6jANBgkqhkiG9w0BAQUFADCB
kJEtMBEGCgmSJomT8ixkARkWA2NvbTEWMBQGCgmSJomT8ixkARkWBnF1YWx5czEV
MBMGCgmSJomT8ixkARkWBXJkbGFiMRQwEgYKCCZImiZPyLQQBGRYEBWxxYTEXMBUG
...
-----END CERTIFICATE-----
]]></INFO>
          <INFO key="id"><![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[38ea3125de31f16a52fd38d35cf9e02c]]></INFO>
          <INFO
key="sha1"><![CDATA[dc9ca85e40fcf524a3a25b9decf0b9e0d5abc07f]]></I
```

```
NFO>
    <INFO key="cert_data"><![CDATA[-----BEGIN CERTIFICATE-----
--
MIIGdjCCBF6gAwIBAgIBADANBgkqhkiG9w0BAQQFADCBiDELMAkGA1UEBhMCVVMx
EzARBgNVBAGTCkNhbgG1mb3JuaWEeFTATBgNVBACjTDFJlZHdvb2QgQ2l0eTEPMA0G
A1UEChMGUXVhbHlzMQ0wCwYDVQQLLEwRNTFFBMR4wHAYJ
...
-----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>
      <INFO key="notify_dg"><![CDATA[1334754]]></INFO>
      <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>
      <INFO key="notify_dg"><![CDATA[1334754]]></INFO>
      <INFO key="id"><![CDATA[499319]]></INFO>
      <INFO key="subscription_id"><![CDATA[988978]]></INFO>
      <INFO key="network_id"><![CDATA[0]]></INFO>
```

```
<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[add]]></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>
<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>
<BUSINESS_RISK_MATRIX>
<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 key="subscription_id"><![CDATA[988978]]></INFO>
<INFO key="impact"><![CDATA[1]]></INFO>
```

```
<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_can_ignore"><![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_data_list"><![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>
```

```
<INFO key="id"><![CDATA[1020]]></INFO>
<INFO key="subscription_id"><![CDATA[988978]]></INFO>
<INFO
key="ip_start"><![CDATA[77884452878022414427957444938301440]]></IN
FO>
<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>
</USERS>
</FO>
</SUBSCRIPTION>
</RECORD>
```

Subscription Info DTD

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

```
<!ELEMENT RECORD (SUBSCRIPTION)*>
<!ELEMENT SUBSCRIPTION (INFO|FO)*>
<!ELEMENT INFO (#PCDATA)>
<!ATTLIST INFO
    key CDATA #REQUIRED>
<!ELEMENT FO (SCAN|REPORTS|REMEDIATION|USERS)*>
<!ELEMENT SCAN
(INFO|SCANNER_TRUSTED_CA|EXCLUDED_IPS|EXCLUDED_HISTORY|EXCLUDED_IP
S_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 REMEDIATION (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.

<code>action=import</code>	
<code>import_type={value}</code>	(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.

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 SIMPLE_RETURN SYSTEM
"https://qualysapi.qualys.com/api/2.0/simple_return.dtd">
<SIMPLE_RETURN>
  <RESPONSE>
    <DATETIME>2017-01-09T13:39:26Z</DATETIME>
    <TEXT>Successfully imported subscription prefs for
subscription Id 78091</TEXT>
  </RESPONSE>
</SIMPLE_RETURN>
```

Subscription INFO Keys

RECORD > SUBSCRIPTION > FO > SCAN

INFO Key	Description
global_storage={null 1}	A value of 1 indicates that a global storage setting is applied to all users (replaces individual users' storage settings). This setting appears under Scans > Setup > Storage.
agnt.track.accept={0 1 2}	Indicates whether Agentless Tracking has been accepted for the subscription. Possible values: 0 (Not Accepted), 1 (Accepted), 2 (Cleanup).
scheduling.prevent.overlapping.scans={0 1}	A value of 1 indicates that the “Do not allow overlapping scans” option is selected in Scheduled Scans Setup to prevent overlapping scans. A value of 0 means this option is not selected.
scheduling.relaunch.finished.scans={0 1}	A value of 1 indicates that the “Relaunch Scan on Finish” option is selected in Scheduled Scans Setup. A value of 0 means this option is not selected.

RECORD > SUBSCRIPTION > FO > SCAN > SCANNER_TRUSTED_CA

INFO Key	Description
id={value}	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.
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.
cert={value}	The name of the trusted certificate authority.
common_name={value}	The name of the certificate.
valid_from={value}	The first date the certificate is considered valid.
valid_to={value}	The last date the certificate is considered valid.
md5={value}	The MD5 fingerprint used by the scanner for SSL verification.
sha1={value}	The SHA1 fingerprint used by the scanner for SSL verification.
cert_data={value}	The content of the certificate file.

RECORD > SUBSCRIPTION > FO > SCAN > EXCLUDED_IPS

INFO Key	Description
id={value}	An auto-generated ID for the excluded hosts list. <i>This key is ignored for import action. The value is set based on the subscription of the user making the API request.</i>
subscription_id={value}	The subscription ID. <i>This key is ignored for import action. The value is set based on the subscription of the user making the API request.</i>
excluded_history_id={value}	An auto-generated ID for the excluded hosts history. <i>This key is ignored for import action. The value is set based on the subscription of the user making the API request.</i>
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.

RECORD > SUBSCRIPTION > FO > SCAN > EXCLUDED_IPS_EXPIRATION

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

RECORD > SUBSCRIPTION > FO > SCAN > EXCLUDED_HISTORY

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

RECORD > SUBSCRIPTION > FO > REPORTS

INFO Key	Description
cpe.support={null 1}	A value of 1 indicates that the OS CPE feature has been enabled under Reports > Setup > OS CPE.
secrisk.ignore_0_risk_hosts={null 1}	A value of 1 indicates that the Security Risk option "Do not include hosts with zero risk in calculation" is enabled. This setting appears under Reports > Setup > Security Risk.
scheduled.reporting.email.attachments={0 1}	A value of 1 indicates that a report less than 1 MB will be sent as an attachment to the scheduled report email notification. Distribution options appear under Reports > Setup > Scheduled Reports.
scheduled.reporting.email.links={0 1}	A value of 1 indicates that a report link will be included in the scheduled report email notification. Distribution options appear under Reports > Setup > Scheduled Reports.

RECORD > SUBSCRIPTION > FO > REPORTS > BUSINESS_RISK

INFO Key	Description
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.
title_1={value}	The business impact title in the first column of the Business Risk lookup table under Reports > Setup > Business Risk.
title_2={value}	The business impact title in the second column of the Business Risk lookup table under Reports > Setup > Business Risk.
title_3={value}	The business impact title in the third column of the Business Risk lookup table under Reports > Setup > Business Risk.
title_4={value}	The business impact title in the fourth column of the Business Risk lookup table under Reports > Setup > Business Risk.
title_5={value}	The business impact title in the fifth column of the Business Risk lookup table under Reports > Setup > Business Risk.
risk_calculation={0 1}	The method used for calculating security risk in reports. A value of 0 indicates that the average severity level detected will be used. A value of 1 indicates that the highest severity level detected will be used. This setting appears under Reports > Setup > Security Risk.

RECORD > SUBSCRIPTION > FO > REPORTS > BUSINESS_RISK_MATRIX

INFO Key	Description
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.
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

INFO Key	Description
remedy.qualysguard_can_fix={null 1}	A value of 1 indicates that the setting “Allow the service to mark Open tickets as Closed/Fixed” is enabled. Ticket transition settings appear under Remediation > Setup.
remedy.scanners_can_ignore={null 1}	A value of 1 indicates that the setting “Allow Scanners and Readers to mark tickets as Closed/Ignored” is enabled. Ticket transition settings appear under Remediation > Setup.
remedy.scanners_can_delete={null 1}	A value of 1 indicates that the setting “Allow Scanners and Readers to delete tickets” is enabled. Ticket transition settings appear under Remediation > Setup.

RECORD > SUBSCRIPTION > FO > USERS

INFO Key	Description
saml.enable.new.users={0 1}	A value of 1 indicates that SAML SSO is enabled at the subscription level, and 0 indicates that it's not enabled.
password.expiration.enabled={0 1}	A value of 1 indicates that the “Password expires after N months” setting is enabled, and 0 indicates that it's not enabled.
password.lock.enabled={0 1}	A value of 1 indicates that the “Lock account after N failed login attempts” setting is enabled, and 0 indicates that it's not enabled.
password.custom.allowed={0 1}	A value of 1 indicates that the “Allow user defined passwords” setting is enabled, and 0 indicates that it's not enabled.
password.check_length={0 1}	A value of 1 indicates that a minimum password length is enforced, and 0 indicates that it's not enforced.
password.alphanum={0 1}	A value of 1 indicates that users' passwords must contain alpha and numeric characters, and 0 indicates that this requirement is not set.
password.force_reset={0 1}	A value of 1 indicates that users must change their password at initial login, and 0 indicates that this requirement is not set.
password.expiration.time={value}	The number of months (1-12) allowed before the password expires when the “Password expires after N months” setting is enabled.
permission.restrict_view_user_info_on_user_datalist={0 1}	A value of 1 indicates that the “Hide users outside the business unit from user lists” setting is enabled, and 0 indicates that it's not enabled.
notify.password.expiry.flag={0 1}	A value of 1 indicates that users will be notified in the UI to change their password before it expires, and 0 indicates that they won't be notified.

INFO Key	Description
change.password.at.login={0 1}	A value of 1 indicates that users are allowed to change their expired password at login, and 0 indicates that they aren't.
vip.enforce={0 1}	A value of 1 indicates that all users are required to log into the Qualys GUI using VIP two-factor authentication, and 0 indicates that VIP two-factor authentication is not required.
show.modify_external_id_perm={0 1}	A value of 1 indicates that other users (besides the Manager Primary Contact) are allowed to manage external IDs, and 0 indicates that only the Manager Primary Contact has this permission.
password.lock.attempts={value}	Number of login attempts allowed (3-10) before the user's account will be locked.
password.min_length={value}	The minimum number of characters required (6-16) for a user-defined password.
restrict_view_user_info={0 1}	A value of 1 indicates that the "Restrict view of user information for users outside of business unit" setting is enabled, and 0 indicates that it's not enabled.
restrict_view_sched_task={0 1}	A value of 1 indicates that the "Restrict view of scheduled tasks on unassigned assets" setting is enabled, and 0 indicates that it's not enabled.
limit_no_of_ips_for_unit_manager={0 1}	A value of 1 indicates that the "Enable limiting the number of new IPs that Unit Managers/allowed user can add" setting is enabled, and 0 indicates that it's not enabled.
fo.login.secureip.flag={null true}	A value of true indicates that access to the service is restricted to a set of IPs defined under Users > Setup > Security > Restricted Access. When set to true for import action, be sure there is at least one IP included in the IP range for SUBSCRIPTION_IP_RESTRICT_MAP or SUB_IPV6_RESTRICT_MAP.
session.expiration={value}	The session timeout in minutes (5-240) specified under Users > Setup > Security.
qagent.enable.merging={value}	A value of 1 indicates the "Show unified views of hosts" option is selected in Cloud Agent Setup under Users Setup.

RECORD > SUBSCRIPTION > FO > USERS > SUB_IPV6_RESTRICT_MAP

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

RECORD > SUBSCRIPTION > FO > USERS > SUBSCRIPTION_IP_RESTRICT_MAP

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

RECORD > SUBSCRIPTION > FO > USERS > IP_RANGE

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

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.

<code>action=export</code>	
<code>user_id={value}</code>	The ID for the user account you want to export.

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"><![CDATA[1020428]]></INFO>  
    <INFO key="username"><![CDATA[qualys_ps64]]></INFO>  
    <INFO key="subscription_id"><![CDATA[991205]]></INFO>  
    <INFO key="firstname"><![CDATA[Patrick]]></INFO>  
    <INFO key="lastname"><![CDATA[Slimmer]]></INFO>  
    <INFO key="prefix"><![CDATA[Mr]]></INFO>
```

```
<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="zipcode"><![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>
<FO>
  <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>
    <INFO
```



```
key="storage.auto_delete_time_map"><![CDATA[12]]></INFO>
  </SCAN>
  <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[-
```

```
1]]></INFO>
  <INFO key="fo.can.access.vm"><![CDATA[1]]></INFO>
  <INFO
key="fo.exception.notification_days_defore"><![CDATA[01]]></INFO>
  <INFO key="fo.can.access.compliance"><![CDATA[1]]></INFO>
</USERS>
</FO>
</USER>
</RECORD>
<!-- CONFIDENTIAL AND PROPRIETARY INFORMATION. Qualys provides the
QualysGuard Service "As Is," without any warranty of any kind.
Qualys makes no warranty that the information contained in this
report is complete or error-free. Copyright 2017, Qualys, Inc. //--
-->
```

User Preferences DTD

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

```
<!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.

<code>action=import</code>	
<code>user_id={value}</code>	(Optional) When <code>user_id</code> is specified, we'll update the user account with the user preferences in the XML file. When <code>user_id</code> is not specified, we'll create a new user account in your subscription with the user preferences.

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):

```
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 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>
```

```
        <VALUE>1022024</VALUE>
    </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

INFO Key	Description
user_id={value}	The unique ID for the user's account.
username={value}	The Qualys user login ID for the user's account.
subscription_id={value}	The subscription ID.
firstname={value}	The user's first name (max 50 characters).
lastname={value}	The user's last name (max 50 characters).
prefix={value}	The user's prefix (Mr, Ms, Mrs).
title={value}	The user's job title (max 100 characters).
company={value}	The user's company name.
addr1={value}	The user's address line 1 (max 80 characters).
city={value}	The user's city (max 50 characters).
zipcode={value}	The zip code of the user's address (max 20 characters).
state={value}	The user's state code. A valid value depends on the country code. See State Codes .
country={value}	The user's country code. See Country Codes .
phone={value}	The user's phone number (max 40 characters).
email={value}	The user's email address. The address must be a properly formatted address with a maximum of 100 characters.
user_status={value}	The user's current status. Possible values: 0 (Activation pending), 4 (Active), 16 (Deleted), 37 (Inactive).
created_by={value}	The user login ID for the manager who created the account.
creation_date={value}	The date the user account was created.
updated_by={value}	The user login ID for the manager who last updated the account.
update_date={value}	The date the user account was last updated.
user_role={value}	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).
notification={value}	Indicates a combined notification string for all the notifications that are enabled and disabled.
scan_complete_notification={value}	The Scan Complete Notification setting: On or Off.
scan_notification={value}	The Scan Summary Notification setting: On or Off.
map_notification={value}	The Map Notification setting: On or Off.

INFO Key	Description
latest_vulnerabilities={value}	The Latest Vulnerabilities notification setting: Weekly, Daily or None.
daily_ticket={0 1}	A value of 1 indicates that the Daily Trouble Ticket notification is enabled for the user, and a value of 0 indicates that it's not.
latest_controls={value}	The Latest Controls notification setting: Monthly, Weekly or None.
exception_notification={value}	The Exception Notification setting: My exceptions or No notifications.
report_notification={value}	The Report Notification setting: My Reports or No Notifications
vuln_lang={value}	The user's language setting: en (English) or ja (Japanese).
user_report_quota_usage={value}	The amount of Report Share storage used by the user. This key is ignored for import action.
user_assigned_report_quota={value}	The Report Share limit for this user.
last_login_date={value}	The date/time when this user last logged in. This key is ignored for import action.
uuid={value}	The UUID assigned to this user. This key is ignored for import action.
business_unit={value}	The user's business unit.

RECORD > USER > FO > SCAN

INFO Key	Description
storage.auto_delete_time_scan={value}	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.
storage.auto_delete_time_map={value}	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.

RECORD > USER > FO > REPORTS

INFO Key	Description
ui.mapreport_launcher.last_selected_report_format={value}	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).
ui.remedy_report.last_selected_report_format={value}	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).
ui.dl_rpt_remedy_41.last_selected_report_format={value}	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).
ui.create_asr_report_2.last_selected_report_format={value}	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).
ui.create_scorecard_1.last_selected_report_format={value}	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).
ui.create_scan_report.last_selected_report_format={value}	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).

RECORD > USER > FO > REMEDIATION

INFO Key	Description
fo.remedyticket.timeframe_selection={value}	Timeframe to use when displaying remediation tickets: 30 days, 90 days, 180 days or Unlimited (-1).

RECORD > USER > FO > USERS

INFO Key	Description
password.change_time={value}	Indicates the last time the user's password changed. This key is ignored for import action.
fo.activitylog.timeframe_selection={value}	Timeframe to use when displaying the Activity Log in days: 7, 30, 90 or 180.
fo.user.timezone={value}	The user's timezone. For example: AU-NSW for Australia New South West, IN for India, US-CA for USA-California.
fo.can.access.gui={0 1}	A value of 1 indicates the user can access the GUI, and 0 means the user does not have this permission.
api.can.access.api={0 1}	A value of 1 indicates the user can access the API, and 0 means the user does not have this permission.
fo.saml.enabled={0 1}	A value of 1 indicates that SAML SSO is enabled for this user account, and 0 means it is not.
fo.security.questions.one={value}	Encoded value for the first secret question selected in the user profile.

INFO Key	Description
fo.security.questions.two={value}	Encoded value for the second secret question selected in the user profile.
fo.security.questions.three={value}	Encoded value for the third secret question selected in the user profile.
fo.security.questions.answer.one={value}	Encoded value for the answer to the first secret question.
fo.security.questions.answer.two={value}	Encoded value for the answer to the second secret question.
fo.security.questions.answer.three={value}	Encoded value for the answer to the third secret question.
fo.landing.is_kb={value}	The user-selected Home Page. Possible values: fo.landing.is_dashboard (Dashboard) fo.landing.is_map (Map) fo.landing.is_kb (KnowledgeBase) fo.landing.is_scan (Scan) fo.landing.is_schedule (Schedule) fo.landing.is_remedy (Remediation), fo.landing.is_report_center (Report) fo.landing.is_report (Report Templates) fo.landing.is_comp_dashboard (Compliance Dashboard) fo.landing.is_comp_policy (Compliance Policies) fo.landing.is_exception (Compliance Exceptions)
guide.pages.hide={null 1}	A value of 1 indicates that the user selected the “Do not show tutorials” option in the Qualys UI.
ui.pwd_reset={0 1}	A value of 1 indicates a password reset, and 0 indicates no password reset. This key is ignored for import action.
secmanage.katana.accepted-toc={0 1}	A value of 1 indicates that the New Data Security Model is accepted for the subscription, and a value of 0 indicates that it is not accepted.
fo.user.dateformat={value}	The user-selected date format: mdy (Month Day Year) or ydm (Year Day Month).
fo.can.access.vm={0 1}	A value of 1 indicates the “Manage VM module” permission is enabled, and 0 means it’s disabled.
fo.can.add.virtual_host={0 1}	A value of 1 indicates the “Create/edit virtual hosts” permission is enabled, and 0 means it’s disabled.
fo.can.edit.remedy.policy={0 1}	A value of 1 indicates the “Create/edit remediation policy” permission is enabled, and 0 means it’s disabled.
fo.can.add.asset={0 1}	A value of 1 indicates the “Add assets” permission is enabled, and 0 means it’s disabled.
fo.can.create.option_profile={0 1}	A value of 1 indicates the “Create option profiles” permission is enabled, and 0 means it’s disabled.

INFO Key	Description
fo.can.purge.host={0 1}	A value of 1 indicates the “Purge host information/history” permission is enabled, and 0 means it’s disabled.
fo.can.edit.ntauth={0 1}	A value of 1 indicates the “Create/edit authentication records/vaults” permission is enabled, and 0 means it’s disabled.
fo.can.approve.exceptions={0 1}	A value of 1 indicates the “Accept/Reject exceptions” permission is enabled, and 0 means it’s disabled.
fo.can.access.compliance={0 1}	A value of 1 indicates the “Manage PC module” permission is enabled, and 0 means it’s disabled.
fo.can.edit.compliance.policy={0 1}	A value of 1 indicates the “Create/edit compliance policies” permission is enabled, and 0 means it’s disabled.
fo.can.manage.webapp={0 1}	A value of 1 indicates the “Manage web applications” permission is enabled, and 0 means it’s disabled.
fo.can.create.webapp={0 1}	A value of 1 indicates the “Create web applications” permission is enabled, and 0 means it’s disabled.
fo.manage.offline.scanner={0 1}	A value of 1 indicates the “Manage offline scanner appliances” permission is enabled, and 0 means it’s disabled.
fo.manage.virtual.scanner={0 1}	A value of 1 indicates the “Manage virtual scanner appliances” permission is enabled, and 0 means it’s disabled.
fo.can.edit.external.id={0 1}	A value of 1 indicates that this user has the permission to manage external IDs.

Country Codes

Valid country codes:

Afghanistan | Albania | Algeria | Andorra | Angola | Anguilla | Antarctica | Antigua and Barbuda | Argentina | Armenia | Aruba | Australia | Austria | Azerbaijan | Bahamas | Bahrain | Bangladesh | Barbados | Belarus | Belgium | Belize | Benin | Bermuda | Bhutan | Bolivia | Bosnia-Herzegovina | Botswana | Bouvet Island | Brazil | British Indian Ocean Territory | Brunei Darussalam | Bulgaria | Burkina Faso | Burundi | Cambodia | Cameroon | Canada | Cape Verde | Cayman Islands | Central African Republic | Chad | Chile | China | Christmas Island | Cocos (Keeling) Islands | Colombia | Comoros | Congo | Cook Islands | Costa Rica | Cote D’Ivoire | Croatia | Cuba | Cyprus | Czech Republic | Denmark | Djibouti | Dominica | Dominican Republic | East Timor | Ecuador | Egypt | El Salvador | Equatorial Guinea | Estonia | Ethiopia | Faeroe Islands | Falkland Islands (Malvinas) | Fiji | Finland | France | French Guiana | French Polynesia | French Southern Territories | Gabon | Gambia | Georgia | Germany | Ghana | Gibraltar | Greece | Greenland | Grenada | Guadeloupe | Guatemala | Guernsey, C.I. | Guinea | Guinea-Bissau | Guyana | Haiti | Heard and McDonald Islands | Honduras | Hong Kong | Hungary | Iceland | India | Indonesia | Iran (Islamic Republic of) | Iraq | Ireland | Isle of Man | Israel | Italy | Jamaica | Japan | Jersey, C.I. | Jordan | Kazakhstan | Kenya | Kiribati | Korea | Kuwait | Kyrgyzstan | Lao Peoples Democratic Republic | Latvia | Lebanon | Lesotho | Liberia | Libyan Arab Jamahiriya | Liechtenstein | Lithuania | Luxembourg | Macau | Macedonia | Madagascar | Malawi | Malaysia | Maldives | Mali | Malta | Marshall Islands | Martinique | Mauritania | Mauritius | Mexico | Micronesia, Fed. States of | Moldova, Republic of | Monaco | Mongolia | Montserrat | Morocco | Mozambique | Myanmar | Namibia | Nauru | Nepal | Netherland Antilles | Netherlands | Neutral Zone (Saudi/Iraq) | New Caledonia | New Zealand | Nicaragua | Niger | Nigeria | Niue | Norfolk Island | Northern Mariana Islands | Norway | Oman | Pakistan | Palau | Panama Canal Zone | Panama | Papua New Guinea | Paraguay | Peru | Philippines | Pitcairn | Poland | Portugal | Puerto Rico | Qatar | Reunion | Romania | Russia | Rwanda | Saint Kitts and Nevis |

Saint Lucia | Samoa | San Marino | Sao Tome and Principe | Saudi Arabia | Senegal | Seychelles | Sierra Leone | Singapore | Slovak Republic | Slovenia | Solomon Islands | Somalia | South Africa | Spain | Sri Lanka | St. Helena | St. Pierre and Miquelon | St. Vincent and the Grenadines | Sudan | Suriname | Svalbard and Jan Mayen Islands | Swaziland | Sweden | Switzerland | Syrian Arab Republic | Taiwan | Tajikistan | Tanzania, United Republic of | Thailand | Togo | Tokelau | Tonga | Trinidad and Tobago | Tunisia | Turkey | Turkmenistan | Turks and Caicos Islands | Tuvalu | U.S.Minor Outlying Islands | Uganda | Ukraine | United Arab Emirates | United Kingdom | United States of America | Uruguay | Uzbekistan | Vanuatu | Vatican City State | Venezuela | Vietnam | Virgin Islands (British) | Wallis and Futuna Islands | Western Sahara | Yemen | Yugoslavia | Zaire | Zambia | Zimbabwe

State Codes

State Codes for United States

Value state codes when country is “United States of America”:

Alabama | Alaska | Arizona | Arkansas | Armed Forces Asia | Armed Forces Europe | Armed Forces Pacific | California | Colorado | Connecticut | Delaware | District of Columbia | Florida | Georgia | Hawaii | Idaho | Illinois | Indiana | Iowa | Kansas | Kentucky | Louisiana | Maine | Maryland | Massachusetts | Michigan | Minnesota | Mississippi | Missouri | Montana | Nebraska | Nevada | New Hampshire | New Jersey | New Mexico | New York | North Carolina | North Dakota | Ohio | Oklahoma | Oregon | Pennsylvania | Rhode Island | South Carolina | South Dakota | Tennessee | Texas | Utah | Vermont | Virginia | Washington | West Virginia | Wisconsin | Wyoming

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 | Chattisgarh | 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 | Uttar Pradesh | Uttaranchal | West Bengal