



Qualys Cloud Suite API Release Notes

Version 2.23

Qualys Cloud Suite API gives you ways to integrate your programs and API calls with Qualys capabilities. You'll find all the details in our documentation, available at the time of release. Looking for our API user guides? Just log in to your account and go to Help > Resources.

What's New

[CA - Changes, Organization and Description of Performance Interface](#)

[EC2 Scanning Support for AWS GovCloud](#)

Tell me about the base URL Our documentation and sample code use the API server URL for US Platform 1. Do you have another base URL? If yes please use it instead.

Account Login	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>

CA - Changes, Organization and Description of Performance Interface

You'll notice the performance profile UI has new sections with new and changed values introduced for Windows Agent 1.5 and Linux/Mac Agent 1.6. Also we've added OS specific parameters and legacy parameters. The configuration parameters for the Cloud Agent Configuration Profile API have been updated.

Tell me about parameter changes

Using the API performanceProfile configuration blocks are used to configure parameters as before. To help you with these we've provided the corresponding UI label and description. Parameter descriptions and values for this release are listed below.

Changes appear in red.

Parameters for all agent OS and all versions

INTERVAL_EVENT_STATUS

- Changed UI label from "Update system with Agent's status"
- Changed values

Agent Status Interval - Consolidated interval an agent requests information from the platform. Range: 300-86,400 seconds. Recommended: 2400 for Low performance, 1800 for Normal performance, 600 for High performance.

INTERVAL_EVENT_UPLOAD_CHANGELIST

- Changed values

Delta Upload Interval - Interval an agent attempts to upload detected changes. Range: 1-1800 seconds. Recommended: 10 for Low performance, 5 for Normal performance, 1 for High performance.

FILE_UPLOAD_FRAGMENT_SIZE_IN_KB

- Changed values

Chunk Sizes for File Fragment Uploads - The upload block size, and combined with Delta Upload Interval, determines network utilization. Range: 64-10,240 KB. Recommended: 1024 for Low performance, 048 for Normal performance, 4096 for High performance.

INTERVAL_EVENT_EXECUTE_SETUP

- No changes

Upgrade Reattempt Interval - Interval (in seconds) an agent checks the platform for a new upgrade, if configured to do so. Range: 180 seconds or more. Recommended: 300 for Low performance or Normal performance, 180 for High performance.

AGENT_LOGGING_LEVEL

- No changes
- Logging level for agent** - The amount and detail of log messages generated by the agent. Value can be Verbose, Info (i.e. informational), Warn (i.e. Warning), Error or None. Recommended: Verbose for all performance levels.
-

Windows Specific Parameters (versions 1.5 and above)

CPU_LIMIT

- New parameter
- CPU Limit** - Defines the percentage limit of the processor core(s) used by the agent; lower percentages reduces CPU utilization at the expense of longer execution times. Range: 2-100%. Recommended: 5 for Low performance, 20 for Normal performance, 80 for High performance.
-

Linux/Mac Specific Parameters (versions 1.6 and above)

THROTTLE_EVENT_SCAN

- Changed values
- CPU Throttle** - Tunes the amount of processing used by the CPU by introducing delays between agent executions: the higher the value, the less CPU utilized at the expense of longer execution times. Range: 0-1,000 milliseconds. Recommended: 20 for Low performance, 10 for Normal performance, 0 for High performance.
-

Legacy Parameters (used for Windows 1.4 and below, and Linux/Mac 1.5 and below)

We'll support legacy parameters/settings used by older agents as some customers will have these versions deployed in production. Legacy parameters are below.

INTERVAL_EVENT_DOWNLOAD_SNAPSHOT

- No changes
- Delta Confirmation Interval** - Interval an agent checks platform for confirmation that changes were processed. Range: 60 seconds or more. Recommended: 300 for Low performance, 120 for Normal performance, 60 for High performance.
-

INTERVAL_EVENT_DOWNLOAD_MANIFEST

- No changes
- Manifest Download Interval** - Interval an agent checks platform for new instruction manifests. Range: 60 seconds or more. Recommended: 10800 for Low performance, 3600 for Normal performance, 60 for High performance.
-

INTERVAL_EVENT_CONFIG

- No changes

Configuration Download Interval - Interval an agent checks platform for new configuration profiles. Range: 60 seconds or more. Recommended: 10800 for Low performance, 3600 for Normal performance, 60 for High performance.

THROTTLE_EVENT_COMM_UPLOAD

- No changes

Network throttle Rx - The higher this value (in ms), the slower agent attempts to download from the platform; this combines with the download chunk size to determine network utilization. Range: 0-200 milliseconds. Recommended: 20 for Low performance, 10 for Normal performance, 0 for High performance.

THROTTLE_EVENT_COMM_DOWNLOAD

- No changes

Network throttle Tx - The higher this value (in ms), the slower agent attempts to upload to the platform; this combines with the upload chunk size to determine network utilization. Range: 0-200 milliseconds. Recommended: 20 for Low performance, 10 for Normal performance, 0 for High performance.

FILE_DOWNLOAD_FRAGMENT_SIZE_IN_KB

- No changes

Chunk sizes for file fragment downloads - The download block size (in KB), and combined with Network throttle Rx, determines network utilization. Range: 64 or more KB. Recommended: 1024 for all performance levels.

INTERVAL_EVENT_CHECK_REVOCATION

- No changes

Revocation Interval - Interval an agent checks platform to see if it should uninstall itself. Range: 3600 seconds or more. Recommended: 3600 for all performance levels.

INTERVAL_EVENT_PROVISION

- No changes

Provisioning Interval - Interval an agent attempts to self repair by reprovisioning with platform. Range: 60 seconds or more. Recommended: 900 for all performance levels.

INTERVAL_EVENT_DOWNLOAD_SELF_PATCH

- No changes

Upgrade Check Interval - Interval an agent checks platform for a new upgrade. Range: 300 seconds or more. Recommended: 10800 for Low performance, 3600 for Normal performance, 300 for High performance.

Good to Know

The following changes will occur automatically at the time of release.

- Existing system configuration profiles will use the new or changed values as described above.
- Custom configuration profiles will inherit the Low values of the new configuration parameters. There will be no changes to any existing values that have new defined values.

Sample API - Create configuration profile

API Request:

```
curl -X POST -H "Content-Type: text/xml" -H "Authorization: Basic
AbcdAbcdAbcdAbcdAbcd" -H "Xurl" -H "Cache-Control: no-cache" --data-binary
@config_create.xml
"https://qualysapi.qualys.com/qps/rest/1.0/create/ca/agentconfig/"
```

contents of config_create.xml:

```
<?xml version="1.0" encoding="UTF-8"?>
<ServiceRequest>
  <data>
    <AgentConfig>
      <name>Config profile created using api</name>
      <description>done using api</description>
      <priority></priority>
      <isDefault>0</isDefault>
      <suspendScanning>>false</suspendScanning>
      <tags>
        <includeTags>
          <list>
            <ConfigTag>
              <id>6332818</id>
              <name>Tag1</name>
            </ConfigTag>
          </list>
        </includeTags>
        <includeResolution>ANY</includeResolution>
        <excludeTags></excludeTags>
        <excludeResolution>ANY</excludeResolution>
      </tags>
      <blackoutConfig>
        <settings>
          <list>
            <BlackoutConfig>
              <startHour>10</startHour>
              <endHour>16</endHour>
```

```

        <monday>0</monday>
        <tuesday>0</tuesday>
        <wednesday>1</wednesday>
        <thursday>0</thursday>
        <friday>0</friday>
        <saturday>0</saturday>
        <sunday>0</sunday>
    </BlackoutConfig>
</list>
</settings>
</blackoutConfig>
<performanceProfile>
<settings>
    <list>
        <PerformanceLevelSettings>
            <key>INTERVAL_EVENT_PROVISION</key>
            <value>60</value>
        </PerformanceLevelSettings>
        <PerformanceLevelSettings>
            <key>INTERVAL_EVENT_UPLOAD_CHANGELIST</key>
            <value>60</value>
        </PerformanceLevelSettings>
        <PerformanceLevelSettings>
            <key>FILE_UPLOAD_FRAGMENT_SIZE_IN_KB</key>
            <value>666</value>
        </PerformanceLevelSettings>
        <PerformanceLevelSettings>
            <key>AGENT_LOGGING_LEVEL</key>
            <value>Verbose</value>
        </PerformanceLevelSettings>
        <PerformanceLevelSettings>
            <key>CPU_LIMIT</key>
            <value>20</value>
        </PerformanceLevelSettings>
        <PerformanceLevelSettings>
            <key>THROTTLE_EVENT_COMM_DOWNLOAD</key>
            <value>100</value>
        </PerformanceLevelSettings>
        <PerformanceLevelSettings>
            <key>INTERVAL_EVENT_DOWNLOAD_MANIFEST</key>
            <value>200</value>
        </PerformanceLevelSettings>
        <PerformanceLevelSettings>
            <key>THROTTLE_EVENT_SCAN</key>
            <value>0</value>
        </PerformanceLevelSettings>
        <PerformanceLevelSettings>
            <key>FILE_DOWNLOAD_FRAGMENT_SIZE_IN_KB</key>
            <value>1024</value>
    </list>
</settings>
</performanceProfile>
</blackoutConfig>
</settings>
</list>
</blackoutConfig>
</settings>
</performanceProfile>
</blackoutConfig>

```

```

        </PerformanceLevelSettings>
        <PerformanceLevelSettings>
            <key>INTERVAL_EVENT_DOWNLOAD_SELF_PATCH</key>
            <value>333</value>
        </PerformanceLevelSettings>
        <PerformanceLevelSettings>
            <key>INTERVAL_EVENT_EXECUTE_SETUP</key>
            <value>222</value>
        </PerformanceLevelSettings>
        <PerformanceLevelSettings>
            <key>INTERVAL_EVENT_DOWNLOAD_SNAPSHOT</key>
            <value>66</value>
        </PerformanceLevelSettings>
        <PerformanceLevelSettings>
            <key>THROTTLE_EVENT_COMM_UPLOAD</key>
            <value>0</value>
        </PerformanceLevelSettings>
        <PerformanceLevelSettings>
            <key>INTERVAL_EVENT_STATUS</key>
            <value>333</value>
        </PerformanceLevelSettings>
        <PerformanceLevelSettings>
            <key>INTERVAL_EVENT_CONFIG</key>
            <value>66</value>
        </PerformanceLevelSettings>
    </list>
</settings>
</performanceProfile>
</AgentConfig>
</data>
</ServiceRequest>

```

Response:

```

<?xml version="1.0" encoding="UTF-8"?>
<ServiceResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="https://qualysapi.qualys.com/qps/xsd/1.0/ca/agentconfig.xsd">
    <responseCode>SUCCESS</responseCode>
    <count>1</count>
    <data>
        <AgentConfig>
            <id>151889</id>
            <name>Config profile created using api</name>
            <isDefault>0</isDefault>
            <createdDate>2017-02-20T09:35:04Z</createdDate>
            <createdBy>My Name</createdBy>
            <description>done using api</description>
            <tags>

```

```

    <includeTags/>
    <includeResolution>ANY</includeResolution>
    <excludeTags/>
    <tagSetUuid>f5edf058-c55b-40b8-bc32-
      94959ca4304c</tagSetUuid>
  </tags>
  <suspendScanning>false</suspendScanning>
  <preventAgentUpdate>false</preventAgentUpdate>
  <totalAgents>0</totalAgents>
  <blackoutConfig>
    <settings>
      <list>
        <BlackoutConfig>
          <startHour>10</startHour>
          <endHour>16</endHour>
          <monday>0</monday>
          <tuesday>0</tuesday>
          <wednesday>1</wednesday>
          <thursday>0</thursday>
          <friday>0</friday>
          <saturday>0</saturday>
          <sunday>0</sunday>
        </BlackoutConfig>
      </list>
    </settings>
  </blackoutConfig>
  <performanceProfile>
    <settings>
      <list>
        <PerformanceLevelSettings>
          <key>INTERVAL_EVENT_PROVISION</key>
          <value>60</value>
        </PerformanceLevelSettings>
        <PerformanceLevelSettings>
          <key>CPU_LIMIT</key>
          <value>20</value>
        </PerformanceLevelSettings>
        <PerformanceLevelSettings>
          <key>INTERVAL_EVENT_UPLOAD_CHANGELIST</key>
          <value>60</value>
        </PerformanceLevelSettings>
        <PerformanceLevelSettings>
          <key>FILE_UPLOAD_FRAGMENT_SIZE_IN_KB</key>
          <value>666</value>
        </PerformanceLevelSettings>
        <PerformanceLevelSettings>
          <key>AGENT_LOGGING_LEVEL</key>
          <value>Verbose</value>
        </PerformanceLevelSettings>
      </list>
    </settings>
  </performanceProfile>

```

```

    <PerformanceLevelSettings>
      <key>THROTTLE_EVENT_COMM_DOWNLOAD</key>
      <value>100</value>
    </PerformanceLevelSettings>
    <PerformanceLevelSettings>
      <key>INTERVAL_EVENT_DOWNLOAD_MANIFEST</key>
      <value>200</value>
    </PerformanceLevelSettings>
    <PerformanceLevelSettings>
      <key>THROTTLE_EVENT_SCAN</key>
      <value>0</value>
    </PerformanceLevelSettings>
    <PerformanceLevelSettings>
      <key>FILE_DOWNLOAD_FRAGMENT_SIZE_IN_KB</key>
      <value>1024</value>
    </PerformanceLevelSettings>
    <PerformanceLevelSettings>
      <key>INTERVAL_EVENT_DOWNLOAD_SELF_PATCH</key>
      <value>333</value>
    </PerformanceLevelSettings>
    <PerformanceLevelSettings>
      <key>INTERVAL_EVENT_EXECUTE_SETUP</key>
      <value>222</value>
    </PerformanceLevelSettings>
    <PerformanceLevelSettings>
      <key>INTERVAL_EVENT_DOWNLOAD_SNAPSHOT</key>
      <value>66</value>
    </PerformanceLevelSettings>
    <PerformanceLevelSettings>
      <key>THROTTLE_EVENT_COMM_UPLOAD</key>
      <value>0</value>
    </PerformanceLevelSettings>
    <PerformanceLevelSettings>
      <key>INTERVAL_EVENT_STATUS</key>
      <value>333</value>
    </PerformanceLevelSettings>
    <PerformanceLevelSettings>
      <key>INTERVAL_EVENT_CONFIG</key>
      <value>66</value>
    </PerformanceLevelSettings>
  </list>
</settings>
</performanceProfile>
</AgentConfig>
</data>
</ServiceResponse>

```

EC2 Scanning Support for AWS GovCloud

We're excited to announce support for AWS GovCloud (US). Once enabled for your subscription, you can create/update EC2 connectors to pull instance info from the GovCloud (US) region. Instances found can then be activated for VM and/or PC and scanned using our existing EC2 scan workflow.

Want to enable AWS GovCloud for your subscription? Sure thing. Just reach out to Qualys Support or your Qualys Account Manager.

New parameter "isGovCloudConfigured"

isGovCloudConfigured (boolean) is used to enable the GovCloud (US) region for an EC2 connector using the AWS Asset Data Connector API (awsassetdataconnector). This parameter can be set for a "create" or "update" request, and is valid only when the GovCloud (US) option is enabled for your subscription.

When isGovCloudConfigure is set to "true"

- The connector is configured to pull instance info from the GovCloud (US) region only.
- The connector can't be configured with allRegions set to "true".

Sample - Create EC2 connector for AWS GovCloud

API Request:

```
curl -u "USERNAME:PASSWORD" -H "Content-type: text/xml" -X "POST" --data-binary @-
"https://qualysapi.qualys.com/qps/rest/2.0/create/awsassetdataconnector"
< file.xml
```

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

Request POST data (file.xml):

```
<?xml version="1.0" encoding="UTF-8" ?>
<ServiceRequest>
  <data>
    <AwsAssetDataConnector>
      <name>gov-cloud</name>
      <activation>
        <set>
          <ActivationModule>VM</ActivationModule>
          <ActivationModule>PC</ActivationModule>
        </set>
      </activation>
      <isGovCloudConfigured>true</isGovCloudConfigured>
      <authRecord>
        <id>134601</id>
```

```

        </authRecord>
        <allRegions>false</allRegions>
        <disabled>false</disabled>
    </AwsAssetDataConnector>
</data>
</ServiceRequest>

```

Response:

```

<?xml version="1.0" encoding="UTF-8"?>
<ServiceResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="https://qualysapi.qualys.com/qps/xsd/2.0/a
m/awsassetdataconnector.xsd">
    <responseCode>SUCCESS</responseCode>
    <count>1</count>
    <data>
        <AwsAssetDataConnector>
            <id>149008</id>
            <name>gov-cloud</name>
            <connectorState>PENDING</connectorState>
            <type>AWS</type>
            <defaultTags>
                <list/>
            </defaultTags>
            <activation>
                <list>
                    <ActivationModule>VM</ActivationModule>
                    <ActivationModule>PC</ActivationModule>
                </list>
            </activation>
            <disabled>false</disabled>
            <isGovCloudConfigured>true</isGovCloudConfigured>
            <authRecord/>
            <endpoints>
                <list>
                    <AwsEndpointSimple>
                        <regionCode>us-gov-west-1</regionCode>
                    </AwsEndpointSimple>
                </list>
            </endpoints>
            <allRegions>false</allRegions>
        </AwsAssetDataConnector>
    </data>
</ServiceResponse>

```