



# Qualys Cloud Suite API Release Notes

## Version 2.21

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

[Version API - Know Portal version](#)

[WAS - New Burp API for importing Burp scan reports](#)

[WAS - Scanner Appliance Pool](#)

[CA - Delta Upload Interval setting - Performance improvement](#)

[CA - CPU Throttle setting - Increased upper limit](#)

**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.

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

## Version API - Know Portal version

Now you can find out what is the version of Portal and its sub-modules (in your subscription). Our new version API provides the version of all the portal sub-modules that are available in your subscription.

**URL:** <https://qualysapi.qualys.com/qps/rest/portal/version>

**Method allowed:** GET

New XSD: version.xsd

```
<xs:schema attributeFormDefault="unqualified"
elementFormDefault="qualified"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:element name="ServiceResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element type="xs:string" name="responseCode"/>
        <xs:element type="xs:byte" name="count"/>
        <xs:element name="data">
          <xs:complexType>
            <xs:sequence>
              <xs:element name="Portal-Version">
                <xs:complexType>
                  <xs:sequence>
                    <xs:element type="xs:string" name="PortalApplication-VERSION"/>
                    <xs:sequence>
                      <xs:element type="xs:string" name="PortalApplication-VERSION"/>
                      <xs:element type="xs:string" name="WAS-VERSION"/>
                      <xs:element type="xs:string" name="LM-VERSION"/>
                      <xs:element type="xs:string" name="CM-VERSION"/>
                      <xs:element type="xs:string" name="MDS-VERSION"/>
                      <xs:element type="xs:string" name="CA-VERSION"/>
                      <xs:element type="xs:string" name="MPS-VERSION"/>
                      <xs:element type="xs:string" name="QUESTIONNAIRE-VERSION"/>
                      <xs:element type="xs:string" name="WAF-VERSION"/>
                    </xs:sequence>
                  </xs:sequence>
                </xs:complexType>
              </xs:element>
              <xs:element name="QWeb-Version">
                <xs:complexType>
                  <xs:sequence>
                    <xs:element type="xs:string" name="WEB-VERSION"/>
                    <xs:element type="xs:string" name="SCANNER-VERSION"/>
                  </xs:sequence>
                </xs:complexType>
              </xs:element>
            </xs:sequence>
          </xs:complexType>
        </xs:element>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:schema>
```

```
        <xs:element type="xs:string" name="VULNSIGS-VERSION"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:schema>
```

## Example (XML)

### API Request:

```
curl -u "USERNAME:PASSWORD" -X "GET" -H "Accept: application/xml"
https://qualysapi.qualys.com/qps/rest/portal/version
```

### 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/versi
on.xsd">
  <responseCode>SUCCESS</responseCode>
  <count>1</count>
  <data>
    <Portal-Version>
      <PortalApplication-VERSION>2.18.0.0-1</PortalApplication
-VERSION>
      <WAS-VERSION>4.12.0</WAS-VERSION>
      <CM-VERSION>1.11.0</CM-VERSION>
      <MDS-VERSION>2.10.3</MDS-VERSION>
      <CA-VERSION>1.9.0.0</CA-VERSION>
      <MPS-VERSION>0.4.1</MPS-VERSION>
      <QUESTIONNAIRE-VERSION>2.3.0</QUESTIONNAIRE-VERSION>
      <WAF-VERSION>1.21.0</WAF-VERSION>
    </Portal-Version>
    <QWeb-Version>
      <WEB-VERSION>8.9.2.0-SNAPSHOT-20161214103056#7</WEB-VERSION>
      <SCANNER-VERSION>9.1.14-1</SCANNER-VERSION>
      <VULNSIGS-VERSION>2.3.493-1</VULNSIGS-VERSION>
    </QWeb-Version>
  </data>
</ServiceResponse>
```

## Example (JSON)

### API Request:

```
curl -u "USERNAME:PASSWORD" -X "GET" -H "Accept: application/json"  
https://qualysapi.qualys.com/qps/rest/portal/version
```

### Response:

```
{  
  "ServiceResponse": {  
    "data": [  
      {  
        "Portal-Version": {  
          "PortalApplication-VERSION": "2.18.0.0-1",  
          "WAS-VERSION": "4.12.0",  
          "CM-VERSION": "1.11.0",  
          "MDS-VERSION": "2.10.3",  
          "CA-VERSION": "1.9.0.0",  
          "MPS-VERSION": "0.4.1",  
          "QUESTIONNAIRE-VERSION": "2.3.0",  
          "WAF-VERSION": "1.21.0"  
        },  
        "QWeb-Version": {  
          "WEB-VERSION": "8.9.2.0-SNAPSHOT-20161214103056#7",  
          "SCANNER-VERSION": "9.1.14-1",  
          "VULNSIGS-VERSION": "2.3.493-1"  
        }  
      }  
    ],  
    "responseCode": "SUCCESS",  
    "count": 1  
  }  
}
```

# WAS - New Burp API for importing Burp scan reports

With our new Burp API, you can now import Burp scan reports and store the findings discovered by the Burp Suite scanner with those discovered by WAS. Import Burp reports to manage your Burp findings with WAS.

**URL:** <https://qualysapi.qualys.com/qps/rest/3.0/import/was/burp>

**Method allowed:** POST

New XSD: Burp.xsd

```
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema"
elementFormDefault="qualified">

<!-- REQUEST -->
  <xs:element name="ServiceRequest">
    <xs:complexType>
      <xs:all>
        <xs:element name="filters" type="ServiceRequestFilters"
          minOccurs="0"/>
        <xs:element name="preferences"
          type="ServiceRequestPreferences" minOccurs="0"/>
        <xs:element name="data" type="ServiceRequestData"
          minOccurs="0"/>
      </xs:all>
    </xs:complexType>
  </xs:element>

  <xs:complexType name="ServiceRequestFilters">
    <xs:sequence>
      <xs:element name="Criteria" type="Criteria"
        maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>

  <xs:complexType name="Criteria">
    <xs:simpleContent>
      <xs:extension base="xs:string">
        <xs:attribute name="field" type="xs:string"/>
        <xs:attribute name="operator">
          <xs:simpleType>
            <xs:restriction base="xs:string">
              <xs:enumeration value="CONTAINS"/>
              <xs:enumeration value="IN"/>
              <xs:enumeration value="EQUALS"/>
              <xs:enumeration value="NOT EQUALS"/>
            </xs:restriction>
          </xs:simpleType>
        </xs:attribute>
      </xs:extension>
    </xs:simpleContent>
  </xs:complexType>

```

```

        <xs:enumeration value="GREATER"/>
        <xs:enumeration value="LESSER"/>
        <xs:enumeration value="NONE"/>
        <xs:enumeration value="IS EMPTY"/>
    </xs:restriction>
</xs:simpleType>
</xs:attribute>
</xs:extension>
</xs:simpleContent>
</xs:complexType>

<xs:complexType name="ServiceRequestPreferences">
    <xs:all>
        <xs:element name="startFromId" type="xs:long" minOccurs="0"/>
        <xs:element name="startFromOffset" type="xs:int" minOccurs="0"/>
        <xs:element name="limitResults" type="xs:int" minOccurs="0"/>
        <xs:element name="verbose" type="xs:boolean" minOccurs="0"/>
    </xs:all>
</xs:complexType>

<xs:complexType name="ServiceRequestData">
    <xs:sequence>
        <xs:element name="Burp" type="Burp" minOccurs="0"/>
    </xs:sequence>
</xs:complexType>

<!-- RESPONSE -->
<xs:element name="ServiceResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element name="responseCode" type="ResponseCode"/>
            <xs:element name="responseErrorDetails"
                type="ResponseErrorObject" minOccurs="0"/>

            <xs:element name="count" type="xs:int" minOccurs="0"/>
            <xs:element name="hasMoreRecords" type="xs:boolean"
                minOccurs="0"/>
            <xs:element name="lastId" type="xs:long" minOccurs="0"/>
            <xs:element name="data" type="ServiceResponseData"
                minOccurs="0"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>

<xs:simpleType name="ResponseCode">
    <xs:restriction base="xs:string">
        <xs:enumeration value="AUTH_CREDENTIALS_NEEDED"/>
        <xs:enumeration value="CANNOT_BE_NULL"/>
        <xs:enumeration value="INVALID_XML"/>
    </xs:restriction>
</xs:simpleType>

```

```

        <xs:enumeration value="INVALID_CREDENTIALS" />
        <xs:enumeration value="INVALID_API_VERSION" />
        <xs:enumeration value="INVALID_PARAM" />
        <xs:enumeration value="INVALID_URL" />
        <xs:enumeration value="INVALID_REQUEST" />
        <xs:enumeration value="NOT_FOUND" />
        <xs:enumeration value="OTHER_ERROR" />
        <xs:enumeration value="OPERATION_NOT_SUPPORTED" />
        <xs:enumeration value="EVALUATION_EXPIRED" />
        <xs:enumeration value="JMS_SERVER_DOWN" />
        <xs:enumeration value="RMI_SERVER_DOWN" />
        <xs:enumeration value="SUCCESS" />
        <xs:enumeration value="STILL_PROCESSING" />
        <xs:enumeration value="UNAUTHORIZED" />
        <xs:enumeration value="UNAUTHORIZED_DESTINATION_APPS" />
        <xs:enumeration value="UNIDENTIFIED_PRODUCER" />
        <xs:enumeration value="UNKNOWN_OBJECT" />
    </xs:restriction>
</xs:simpleType>

<xs:complexType name="ResponseErrorObject">
    <xs:sequence>
        <xs:element name="errorMessage" type="xs:string" />
        <xs:element name="errorResolution" type="xs:string"
            minOccurs="0" />
        <xs:element name="internalErrorCodeId" type="xs:int"
            minOccurs="0" />
    </xs:sequence>
</xs:complexType>

<xs:complexType name="ServiceResponseData">
    <xs:sequence>
        <xs:element name="Burp" type="Burp" minOccurs="0"
            maxOccurs="unbounded" />
    </xs:sequence>
</xs:complexType>

<xs:complexType name="Cdata">
    <xs:simpleContent>
        <xs:extension base="xs:string" />
    </xs:simpleContent>
</xs:complexType>

<xs:complexType name="Base64Data">
    <xs:simpleContent>
        <xs:extension base="Cdata">
            <xs:attribute name="base64" type="xs:boolean"
                use="optional" default="false" />
        </xs:extension>
    </xs:simpleContent>
</xs:complexType>

```

```

    </xs:simpleContent>
  </xs:complexType>

  <xs:complexType name="QList">
    <xs:sequence>
      <xs:element name="count" type="xs:int" maxOccurs="1"
        minOccurs="0" />
      <xs:element name="list" minOccurs="0" maxOccurs="unbounded"
        type="xs:anyType" />
      <xs:element name="set" minOccurs="0" maxOccurs="unbounded"
        type="xs:anyType" />
      <xs:element name="add" minOccurs="0" maxOccurs="unbounded"
        type="xs:anyType" />
      <xs:element name="remove" minOccurs="0" maxOccurs="unbounded"
        type="xs:anyType" />
      <xs:element name="update" minOccurs="0" maxOccurs="unbounded"
        type="xs:anyType" />
    </xs:sequence>
  </xs:complexType>

  <xs:complexType name="Host">
    <xs:simpleContent>
      <xs:extension base="xs:string">
        <xs:attribute name="ip" type="xs:string" />
      </xs:extension>
    </xs:simpleContent>
  </xs:complexType>

  <xs:complexType name="RequestResponse">
    <xs:all>
      <xs:element name="request" type="Base64Data" />
      <xs:element name="response" type="Base64Data" />
      <xs:element name="responseRedirected" type="xs:boolean" />
    </xs:all>
  </xs:complexType>

  <xs:complexType name="Issue">
    <xs:all>
      <xs:element name="id" type="xs:long" minOccurs="0" />
      <xs:element name="serialNumber" type="xs:string" />
      <xs:element name="type" type="xs:string" />
      <xs:element name="name" type="xs:string" />
      <xs:element name="host" type="Host" />
      <xs:element name="path" type="Cdata" />
      <xs:element name="location" type="Cdata" />
      <xs:element name="severity" type="xs:string" />
      <xs:element name="confidence" type="xs:string" />
      <xs:element name="issueBackground" type="Cdata" />
      <xs:element name="remediationBackground" type="Cdata" />
    </xs:all>
  </xs:complexType>

```



```

        <xs:element name="issueDetail" type="Cdata" minOccurs="0" />
        <xs:element name="remediationDetail" type="Cdata"
            minOccurs="0" />
        <xs:element name="requestresponse" type="RequestResponse"
            minOccurs="0" />
    </xs:all>
</xs:complexType>

<xs:complexType name="Issues">
    <xs:complexContent>
        <xs:extension base="QList">
            <xs:attribute name="burpVersion" type="xs:string" />
            <xs:attribute name="exportTime" type="xs:string" />
        </xs:extension>
    </xs:complexContent>
</xs:complexType>

<xs:complexType name="Url">
    <xs:simpleContent>
        <xs:extension base="Cdata"/>
    </xs:simpleContent>
</xs:complexType>

<xs:complexType name="WebApp">
    <xs:all>
        <xs:element name="id" type="xs:long" minOccurs="0"/>
        <xs:element name="name" type="Cdata" minOccurs="0"/>
        <xs:element name="url" type="Url" minOccurs="0"/>
    </xs:all>
</xs:complexType>

<xs:complexType name="Burp">
    <xs:all>
        <xs:element name="id" type="xs:long" minOccurs="0" />
        <xs:element name="webApp" type="WebApp" minOccurs="0"/>
        <xs:element name="purgeResults" type="xs:boolean"
            minOccurs="0" />
        <xs:element name="closeUnreportedIssues" type="xs:boolean"
            minOccurs="0" />
        <xs:element name="issuesCount" type="xs:long" minOccurs="0" />
        <xs:element name="issues" type="Issues" minOccurs="0" />
        <xs:element name="fileName" type="xs:string" minOccurs="0" />
    </xs:all>
</xs:complexType>

</xs:schema>

```

Updated XSD: was\_v3.0.xsd (Added Burp object definition along with other required classes definition.)

```
<?xml version="1.0" encoding="UTF-8"?>
...
<simpleType name="WasSettingOption">
  <restriction base="string">
    <enumeration value="DEFAULT"/>
    <enumeration value="SPECIFIC"/>
  </restriction>
</simpleType>
<!-- WASUI-6610 BURP API - ImportBurpFinding-->
<complexType name="Host">
  <simpleContent>
    <extension base="string">
      <attribute name="ip" type="string" />
    </extension>
  </simpleContent>
</complexType>
<complexType name="RequestResponse">
  <sequence>
    <element name="request" type="qcommon:Base64Data" minOccurs="0" />
    <element name="response" type="qcommon:Base64Data" minOccurs="0" />
    <element name="responseRedirected" type="boolean" minOccurs="0" />
  </sequence>
</complexType>
<complexType name="Issue">
  <sequence>
    <element name="id" type="long" minOccurs="0" />
    <element name="serialNumber" type="string" minOccurs="0" />
    <element name="type" type="string" minOccurs="0" />
    <element name="name" type="string" minOccurs="0" />
    <element name="host" type="Q1:Host" minOccurs="0" />
    <element name="path" type="qcommon:Cdata" minOccurs="0" />
    <element name="location" type="qcommon:Cdata" minOccurs="0" />
    <element name="severity" type="string" minOccurs="0" />
    <element name="confidence" type="string" minOccurs="0" />
    <element name="issueBackground" type="qcommon:Cdata"
      minOccurs="0" />
    <element name="remediationBackground" type="qcommon:Cdata"
      minOccurs="0" />
    <element name="issueDetail" type="qcommon:Cdata"
      minOccurs="0"/>
    <element name="remediationDetail" type="qcommon:Cdata"
      minOccurs="0"/>
    <element name="requestresponse" type="Q1:RequestResponse"
      minOccurs="0"/>
  </sequence>
</complexType>
```

```

<complexType name="Issues">
  <complexContent>
    <extension base="qcommon:QList">
      <attribute name="burpVersion" type="string" />
      <attribute name="exportTime" type="string" />
    </extension>
  </complexContent>
</complexType>
<complexType name="Burp">
  <sequence>
    <element name="id" type="long" minOccurs="0" />
    <element name="webApp" type="Q1:WebApp" minOccurs="0"/>
    <element name="purgeResults" type="boolean" minOccurs="0" />
    <element name="closeUnreportedIssues" type="boolean"
      minOccurs="0" />
    <element name="issuesCount" type="long" minOccurs="0" />
    <element name="issues" type="Q1:Issues" minOccurs="0" />
    <element name="fileName" type="string" minOccurs="0" />
  </sequence>
</complexType>
...
</schema>

```

## IMPORT Burp API

Let us import a burp report for web application with webAppID equal to 96839. To import the Burp report, you need to specify the webAppID and then paste the contents of the burp results (XML) file in <burpXml> tag.

### API Request:

```

curl -u "USERNAME:PASSWORD" -H "content-type: text/xml" -X "POST"
--data-binary @-
"https://qualysapi.qualys.com/qps/rest/3.0/import/was/burp" < file.xml

```

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

### Request POST data:

```

<ServiceRequest>
  <data>
    <webAppId>96839</webAppId>
    <purgeResults>>false</purgeResults>
    <closeUnreportedIssues>>false</closeUnreportedIssues>
    <fileName>testBurpReportImport</fileName>
    <burpXml>
      <?xml version="1.0"?>
      <!DOCTYPE issues [ <!ELEMENT issues (issue*)>
      <!ATTLIST issues burpVersion CDATA "">
      <!ATTLIST issues exportTime CDATA "">

```

```

<!ELEMENT issue (serialNumber, type, name, host, path,
  location, severity, confidence, issueBackground?,
  remediationBackground?, issueDetail?, remediationDetail?,
  requestresponse*)>
<ELEMENT serialNumber (#PCDATA)>
<!ELEMENT type (#PCDATA)>
<!ELEMENT name (#PCDATA)>
<!ELEMENT host (#PCDATA)>
<!ATTLIST host ip CDATA "">
<!ELEMENT path (#PCDATA)>
<!ELEMENT location (#PCDATA)>
<!ELEMENT severity (#PCDATA)>
<!ELEMENT confidence (#PCDATA)>
<!ELEMENT issueBackground (#PCDATA)>
<!ELEMENT remediationBackground (#PCDATA)>
<!ELEMENT issueDetail (#PCDATA)>
<!ELEMENT remediationDetail (#PCDATA)>
<!ELEMENT requestresponse (request?, response?,
  responseRedirected?)>
<!ELEMENT request (#PCDATA)>
<!ATTLIST request base64 (true|false) "false">
<!ELEMENT response (#PCDATA)>
<!ATTLIST response base64 (true|false) "false">
<!ELEMENT responseRedirected (#PCDATA)>]>
<issues burpVersion="1.5.08" exportTime="Wed May 15 12:14:53
  CDT 2013">
  <issue>
    <serialNumber>7744774629008832512</serialNumber>
    <type>8389120</type>
    <name>HTML does not specify charset</name>
    <host ip="54.243.54.81">http://54.243.54.81:8080</host>
    <path>
      <![CDATA[/bodgeit/about.jsp]]>
    </path>
    <location>
      <![CDATA[/bodgeit/about.jsp]]>
    </location>
    <severity>Information</severity>
    <confidence>Certain</confidence>
    <issueBackground>
      <![CDATA[If a web response states that it contains
HTML content but does not specify a character set, then the browser may
analyze the HTML and attempt to determine which character set it appears
to be using. Even if the majority of the HTML actually employs a standard
character set such as UTF-8, the presence of non-standard characters
anywhere in the response may cause the browser to interpret the content
using a different character set. This can have unexpected results, and can
lead to cross-site scripting vulnerabilities in which non-standard
encodings like UTF-7 can be used to bypass the application's defensive

```



```

iI+Cjx0YWJsZSB3aWR0aD0iMTAwJSIgY2xhc3M9ImJvcmlciI+Cjx0cj4KPHRkIGFsaWduPS
JsZWZ0IiB2YWxpZ249InRvcCIgd2lkdGg9IjI1JStCjxhIGhyZWY9InByb2R1Y3QuanNwP3R
5cGVpZD01Ij5Eb29kYWhzPC9hPjxicl8+CjxhIGhyZWY9InByb2R1Y3QuanNwP3R5cGVpZD01
Ij5HaXptb3M8L2E+PGJyLz4KPGEGaHJlZj0icHJvZHVjdC5qc3A/dHlwZWlkPTMiPlRoaw5nY
WlhamlnczwwYT48YnIvPgo8YSBocmVmPSJwcm9kdWN0LmpzcD90eXBlaWQ9MiI+VGhpbmdpZX
M8L2E+PGJyLz4KPGEGaHJlZj0icHJvZHVjdC5qc3A/dHlwZWlkPTMiPlRoaw5nY
pdHM8L2E+PGJyLz4KPGEGaHJlZj0icHJvZHVjdC5qc3A/dHlwZWlkPTQiPlRoaw5nY
Pjxicl8+CjxhIGhyZWY9InByb2R1Y3QuanNwP3R5cGVpZD0xIj5XaWRnZXRzPC9hPjxicl8+C
go8YnIvPjxicl8+PGJyLz48YnIvPjxicl8+PGJyLz48YnIvPjxicl8+PGJyLz48YnIvPjxicl
8+PGJyLz48YnIvPjxicl8+PGJyLz4KPC90ZD4KPHRkIHZhbGlnbj0idG9wIiB3aWR0aD0iNzA
lIj4KCjx0Mz5BYm91dCBVczwvaDM+CkhlcUgYXQgdGhlIEJvZGdlSXQgU3RvcuUgd2UgbG12
ZSB1cCB0byBvdXlgbmFtZSBhbmQgb3VyIGlvdHRvITxicl8+PGJyLz4KT0ssIHNvIHRoaXMga
XMgcmVhbGx5IGEGdGVzdCBhcHBSaWNhdGlvbiB0aGF0IGNvbnRhaW5zIGEGcmFuZ2Ugb2Ygdn
VsbmVyYWJpbG10aWVzLjxicl8+PGJyLz4KSG93IGlhbknkgY2FuIHlvdSBmaW5kIGFuZCBleHB
sb2l0Pz8gPGJyLz48YnIvPgoKQ2hlY2sgeW91ciBwcm9ncmVzcyBvbiB0aGUgPGEgaHJlZj0i
c2NvcmluanNwIj5TY29yaW5nIHBhZ2U8L2E+LgoKPC90ZD4KPC90cj4KPC90YWJsZT4KPC90Z
D4KPC90cj4KPC90YWJsZT4KPC9jZW50ZXI+CjwvYm9keT4KPC9odGlsPgoKCg==]]>
</response>
<responseRedirected>>false</responseRedirected>
</requestresponse>
</issue>
</issues>
</burpXml>
</data>
</ServiceRequest>

```

**XML response:**

```

<?xml version="1.0" encoding="UTF-8"?>
<ServiceResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="http://qualysapi.qualys.com/qps/rest/xsd/3
.0/was/burp.xsd">
  <responseCode>SUCCESS</responseCode>
  <count>1</count>
  <data>
    <Burp>
      <id>35402</id>
      <webApp>
        <id>96839</id>
        <name>
          <![CDATA[AFCO bank]]>
        </name>
        <url>
          <![CDATA[http://bank.vuln.afco.com]]>
        </url>
      </webApp>
      <issuesCount>1</issuesCount>
      <issues burpVersion="1.5.08" exportTime="Wed May 15 22:44:53
+05:30 2013">

```

WAS - New Burp API for importing Burp scan reports

```
        <issue>
          <id>33207</id>
          <serialNumber>6378466100737271808</serialNumber>
        </issue>
      </issues>
    <fileName>testBurpReport</fileName>
  </Burp>
</data>
</ServiceResponse>
```

# WAS - Scanner Appliance Pool

With our new release, we now allow you to group scanners into 'pools' that can be assigned to a web application or during the scan configuration, so that during scan run time, a scanner available in the pool is picked, making more efficient use of the scanner resources.

## Webapp API

Updated XSD: webapp.xsd

```
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified">
  <!-- REQUEST -->
  <xs:element name="ServiceRequest">...</xs:element>
  <xs:complexType name="ServiceRequestFilters">
    ...
    ...
    ...
    <xs:element name="defaultProfile" type="WasScanOptionProfile"
      minOccurs="0"/>
    <xs:element name="defaultScanner" type="ScannerAppliance"
      minOccurs="0"/>
    <xs:element name="defaultScannerTags" type="TagList"
      minOccurs="0"/>
    <xs:element name="scannerLocked" type="xs:boolean"
      default="false" minOccurs="0"/>
    ...
    ...
    ...
  </xs:simpleContent>
</xs:complexType>
  <xs:complexType name="TagList">
    <xs:all>
      <xs:element name="count" type="xs:int" minOccurs="0"/>
      <xs:element name="list" minOccurs="0">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="Tag" type="Tag" minOccurs="0"
              maxOccurs="unbounded"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:all>
  </xs:complexType>
  <xs:element name="set" minOccurs="0">
    ...
    ...
    ...
  </xs:complexType>
```



```

        <xs:complexType name="Tag">
        <xs:all>
        <xs:element name="id" type="xs:long"/>
        <xs:element name="name" type="Cdata" minOccurs="0"/>
        </xs:all>
        </xs:complexType>
    <xs:complexType name="CommentList">
    <xs:all>
        ...
        ...
        ...
    </xs:all>
</xs:complexType>
</xs:schema>

```

### Webapp Create API

Let us create a new web application called “My Web Application” with the starting URL “http://mywebapp.com” and assign a group of scanners using tag Scannerpool (ID 15415353311147). The default web application settings are assigned automatically.

#### API Request:

```

curl -u "USERNAME:PASSWORD" -H "content-type: text/xml" -X "POST"
--data-binary @-
"https://qualysapi.qualys.com/qps/rest/3.0/create/was/webapp" < file.xml

```

Note: “file.xml” contains the request POST data.

#### Request POST data:

```

<ServiceRequest>
  <data>
    <WebApp>
      <name><![CDATA[My Web Application]]></name>
      <url><![CDATA[http://mywebapp.com]]></url>
      <defaultScannerTags>
        <set>
          <Tag>
            <id>15415353311147</id>
          </Tag>
        </set>
      </defaultScannerTags>
    </WebApp>
  </data>
</ServiceRequest>

```

XML 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/3.0/
was/webapp.xsd">
<responseCode>SUCCESS</responseCode>
  <count>1</count>
<data>
  <WebApp>
    <id>842422</id>
    <name><![CDATA[My Web Application]]></name>
    <url><![CDATA[http://mywebapp.com]]></url>
    <owner>
      <id>337014</id>
      <username>user_john</username>
      <firstName><![CDATA[John]]></firstName>
      <lastName><![CDATA[Doe]]></lastName>
    </owner>
    <scope>ALL</scope>
    <attributes>
      <count>0</count>
    </attributes>
    <defaultScannerTags>
      <count>1</count>
      <list>
        <Tag>
          <id>15415353311147</id>
          <name>
            <![CDATA[TagForScanner]]>
          </name>
        </Tag>
      </list>
    </defaultScannerTags>
    <scannerLocked>>false</scannerLocked>
    <progressiveScanning>>false</progressiveScanning>
    <urlBlacklist>
      <count>0</count>
    </urlBlacklist>
    <urlWhitelist>
      <count>0</count>
    </urlWhitelist>
    <postDataBlacklist>
      <count>0</count>
    </postDataBlacklist>
    <logoutRegexList>
      <count>0</count>
    </logoutRegexList>

```

```

    <authRecords>
      <count>0</count>
    </authRecords>
    <dnsOverrides>
      <count>0</count>
    </dnsOverrides>
    <useRobots>IGNORE</useRobots>
    <useSitemap>>false</useSitemap>
    <malwareMonitoring>>false</malwareMonitoring>
    <tags>
      <count>0</count>
    </tags>
    <comments>
      <count>0</count>
    </comments>
    <isScheduled>>false</isScheduled>
    <createdBy>
      <id>337014</id>
      <username>user_john</username>
      <firstName><![CDATA[John]]></firstName>
      <lastName><![CDATA[Doe]]></lastName>
    </createdBy>
    <createdDate>2017-01-12T12:03:37Z</createdDate>
    <updatedBy>
      <id>337014</id>
      <username>user_john</username>
      <firstName><![CDATA[John]]></firstName>
      <lastName><![CDATA[Doe]]></lastName>
    </updatedBy>
    <updatedDate>2017-01-12T12:03:37Z</updatedDate>
    <config/>
  </WebApp>
</data>
</ServiceResponse>

```

## Webapp Update API

Let us assign group of scanners tagged with Scannerpool tag to an existing web application.

### API Request:

```

curl -u "USERNAME:PASSWORD" -H "content-type: text/xml" -X "POST"
--data-binary @-
"https://qualysapi.qualys.com/qps/rest/3.0/update/was/webapp/522065" <
file.xml

```

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

Request POST data:

```

<ServiceRequest>
  <data>
    <WebApp>
      <defaultScannerTags>
        <set>
          <Tag>
            <id>15415353311147</id>
          </Tag>
        </set>
      </defaultScannerTags>
    </WebApp>
  </data>
</ServiceRequest>

```

XML 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/3.0/
was/webapp.xsd">
  <responseCode>SUCCESS</responseCode>
  <count>1</count>
  <data>
    <WebApp>
      <id>522065</id>
      <name><![CDATA[My Web Application]]></name>
      <url><![CDATA[http://mywebapp.com]]></url>
      <owner>
        <id>337014</id>
        <username>user_john</username>
        <firstName><![CDATA[John]]></firstName>
        <lastName><![CDATA[Doe]]></lastName>
      </owner>
      <scope>ALL</scope>
      <attributes>
        <count>0</count>
      </attributes>
      <defaultScannerTags>
        <count>1</count>
        <list>
          <Tag>
            <id>15415353311147</id>
            <name>
              <![CDATA[TagForScanner]]>
            </name>
          </Tag>
        </list>
      </defaultScannerTags>
    </WebApp>
  </data>
</ServiceResponse>

```

```

    </defaultScannerTags>
    <scannerLocked>>false</scannerLocked>
    <progressiveScanning>>false</progressiveScanning>
    <urlBlacklist>
      <count>0</count>
    </urlBlacklist>
    <urlWhitelist>
      <count>0</count>
    </urlWhitelist>
    <postDataBlacklist>
      <count>0</count>
    </postDataBlacklist>
    <logoutRegexList>
      <count>0</count>
    </logoutRegexList>
    <authRecords>
      <count>0</count>
    </authRecords>
    <dnsOverrides>
      <count>0</count>
    </dnsOverrides>
    <useRobots>IGNORE</useRobots>
    <useSitemap>>false</useSitemap>
    <malwareMonitoring>>false</malwareMonitoring>
    <tags>
      <count>0</count>
    </tags>
    <comments>
      <count>0</count>
    </comments>
    <isScheduled>>false</isScheduled>
    <createdBy>
      <id>337014</id>
      <username>user_john</username>
      <firstName><![CDATA[John]]></firstName>
      <lastName><![CDATA[Doe]]></lastName>
    </createdBy>
    <createdDate>2017-01-12T12:03:37Z</createdDate>
    <updatedBy>
      <id>337014</id>
      <username>user_john</username>
      <firstName><![CDATA[John]]></firstName>
      <lastName><![CDATA[Doe]]></lastName>
    </updatedBy>
    <updatedDate>2017-01-12T12:03:37Z</updatedDate>
    <config/>
  </WebApp>
</data>
</ServiceResponse>

```

## Scan API

Updated XSD: scan.xsd

```

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema"
  elementFormDefault="qualified">
  <!-- REQUEST -->
  <xs:element name="ServiceRequest">
  <xs:complexType>
    ...
    ...
    ...
    <xs:element name="scannerAppliance" type="ScannerAppliance"
      minOccurs="0"/>
    <xs:element name="scannerTags" type="TagList"
      minOccurs="0"/>
    <xs:element name="cancelOption" type="WasSettingOption"
      minOccurs="0"/>
    ...
    ...
    ...
  </xs:all>
</xs:complexType>
  <xs:complexType name="TagList">
  <xs:all>
    <xs:element name="count" type="xs:int" minOccurs="0"/>
    <xs:element name="list" minOccurs="0">
      <xs:complexType>
      <xs:sequence>
        <xs:element name="Tag" type="Tag" minOccurs="1"
          maxOccurs="unbounded"/>
      </xs:sequence>
      </xs:complexType>
    </xs:element>
  <xs:element name="set" minOccurs="0">
    ...
    ...
    ...
  </xs:all>
</xs:complexType>
  <xs:complexType name="Tag">
  <xs:all>
    <xs:element name="id" type="xs:long"/>
    <xs:element name="name" type="Cdata" minOccurs="0"/>
  </xs:all>
</xs:complexType>
  <xs:complexType name="WebAppAuthRecord">
  <xs:all>
    ...

```

```

...
...
</xs:restriction>
</xs:simpleType>
</xs:schema>

```

## Scan Launch API

Let us launch a new discovery scan on the web application ID 522066 and assign the pool of scanners using asset tag.

### API Request:

```

curl -u "USERNAME:PASSWORD" -H "content-type: text/xml" -X "POST"
--data-binary @-
"https://qualysapi.qualys.com/qps/rest/3.0/launch/was/wasscan" < file.xml

```

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

### Request POST data:

```

<ServiceRequest>
  <data>
    <WasScan>
      <name><![CDATA[Scan With Pool of Internal Scanners]]></name>
      <type>DISCOVERY</type>
      <target>
        <webApp>
          <id>522066</id>
        </webApp>
        <scannerTags>
          <set>
            <Tag>
              <id>15415353311147</id>
            </Tag>
          </set>
        </scannerTags>
      </target>
    </WasScan>
  </data>
</ServiceRequest>

```

### XML 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/3.0/w
as/scan.xsd">
<responseCode>SUCCESS</responseCode>
  <count>1</count>

```

```

<data>
  <WasScan>
    <id>1731352</id>
    <name><![CDATA[Scan With Pool of Internal Scanners]]></name>
    <reference>was/1484222839357.1955345</reference>
    <type>DISCOVERY</type>
    <mode>ONDEMAND</mode>
    <progressiveScanning>>true</progressiveScanning>
    <multi>>true</multi>
    <target>
      <webApps>
        <list>
          <WebApp>
            <id>522066</id>
            <name><![CDATA[My Web Application]]></name>
            <url><![CDATA[http://mywebapp.com]]></url>
          </WebApp>
        </list>
      </webApps>
      <scannerTags>
        <set>
          <Tag>
            <id>8461819</id>
            <name><![CDATA[TagForScanner]]></name>
          </Tag>
        </set>
      </scannerTags>
      <cancelOption>DEFAULT</cancelOption>
    </target>
    <profile>
      <id>194283</id>
      <name>
        <![CDATA[Initial WAS Options]]>
      </name>
    </profile>
    <options>
      <count>14</count>
      <list>
        <WasScanOption>
          <name>Web Application Authentication Record
            Name</name>
          <value><![CDATA[None]]></value>
        </WasScanOption>
        <WasScanOption>
          <name>Unexpected Error Threshold</name>
          <value>
            <![CDATA[300]]>
          </value>
        </WasScanOption>
      </list>
    </options>
  </WasScan>

```



```

<WasScanOption>
  <name>Sensitive Content: Credit Card Numbers</name>
  <value>
    <![CDATA[false]]>
  </value>
</WasScanOption>
<WasScanOption>
  <name>Performance Settings</name>
  <value>
    <![CDATA[LOW]]>
  </value>
</WasScanOption>
<WasScanOption>
  <name>Detection Scope</name>
  <value>
    <![CDATA[COMPLETE]]>
  </value>
</WasScanOption>
<WasScanOption>
  <name>Crawling Form Submissions</name>
  <value>
    <![CDATA[BOTH]]>
  </value>
</WasScanOption>
<WasScanOption>
  <name>Bruteforce Settings</name>
  <value>
    <![CDATA[DISABLED]]>
  </value>
</WasScanOption>
<WasScanOption>
  <name>Option Profile Name</name>
  <value>
    <![CDATA[Initial WAS Options]]>
  </value>
</WasScanOption>
<WasScanOption>
  <name>Maximum Crawling Links</name>
  <value>
    <![CDATA[300]]>
  </value>
</WasScanOption>
<WasScanOption>
  <name>Timeout Error Threshold</name>
  <value>
    <![CDATA[100]]>
  </value>
</WasScanOption>
<WasScanOption>

```

```

        <name>Web Application Name</name>
        <value>
            <![CDATA[My Web Application]]>
        </value>
    </WasScanOption>
</WasScanOption>
<WasScanOption>
    <name>Request Parameter Set</name>
    <value>
        <![CDATA[Initial Parameters]]>
    </value>
</WasScanOption>
<WasScanOption>
    <name>Sensitive Content: Social Security Numbers
(US)</name>
    <value>
        <![CDATA[false]]>
    </value>
</WasScanOption>
<WasScanOption>
    <name>Target URL</name>
    <value>
        <![CDATA[http://mywebapp.com]]>
    </value>
</WasScanOption>
</list>
</options>
<launchedDate>2017-01-12T12:07:19Z</launchedDate>
<launchedBy>
    <id>1056860</id>
    <username>user_john</username>
    <firstName><![CDATA[John]]></firstName>
    <lastName><![CDATA[Doe]]></lastName>
</launchedBy>
<status>SUBMITTED</status>
<sendMail>true</sendMail>
</WasScan>
</data>
</ServiceResponse>

```

## Schedule API

Updated XSD: wasscanschedule.xsd

```

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema"
elementFormDefault="qualified">
<!-- REQUEST -->
<xs:element name="ServiceRequest">
<xs:complexType>
    ...

```

```

    ...
    ...
  </xs:all>
</xs:complexType>
<xs:complexType name="TagList">
  <xs:all>
    <xs:element name="count" type="xs:int" minOccurs="0"/>
    <xs:element name="list" minOccurs="0">
      <xs:complexType>
        <xs:sequence>
          <xs:element name="Tag" type="Tag" minOccurs="1"
            maxOccurs="unbounded"/>
        </xs:sequence>
      </xs:complexType>
    </xs:all>
  </xs:complexType>
</xs:element>
<xs:element name="set" minOccurs="0">
  ...
  ...
  ...
</xs:element>
</xs:all>
</xs:complexType>
  <xs:complexType name="Tag">
    <xs:all>
      <xs:element name="id" type="xs:long"/>
      <xs:element name="name" type="Cdata" minOccurs="0"/>
    </xs:all>
  </xs:complexType>
<xs:complexType name="ScannerAppliance">
<xs:all>
    ...
    ...
    ...
  </xs:restriction>
</xs:simpleType>
</xs:schema>

```

## Schedule Launch API

Let us schedule a discovery scan on the web application and assign the pool of scanners using the asset tag ID.

### API Request:

```

curl -u "USERNAME:PASSWORD" -H "content-type: text/xml" -X "POST"
--data-binary @-
"https://qualysapi.qualys.com/qps/rest/3.0/launch/was/wasscanschedule"<
file.xml

```

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

Request POST data:

```

<ServiceRequest>
  <data>
    <WasScanSchedule>
      <name><![CDATA[Scheduled Scan With Pool of Internal Scanners]>
      </name>
      <type>VULNERABILITY</type>
      <active>>false</active>
      <scheduling>
        <cancelAfterNHours>10</cancelAfterNHours>
        <startDate>2017-01-10T13:55:35Z</startDate>
        <timeZone>
          <code>Europe/Istanbul</code>
          <offset>+02:00</offset>
        </timeZone>
        <occurrenceType>ONCE</occurrenceType>
      </scheduling>
      <notification>
        <active>>false</active>
      </notification>
      <target>
        <webApp><id>522066</id></webApp>
        <scannerTags>
          <set>
            <Tag>
              <id>15415353311147</id>
            </Tag>
          </set>
        </scannerTags>
      </target>
      <profile><id>53483</id></profile>
    </WasScanSchedule>
  </data>
</ServiceRequest>

```

XML 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/3.0/w
as/wasscanschedule.xsd">
<responseCode>SUCCESS</responseCode>
  <count>1</count>
  <data>
    <WasScanSchedule>
      <id>141147</id>
      <name>
        <![CDATA[Scheduled Scan With Pool of Internal Scanners]]>

```

```

</name>
<owner>
  <id>1056860</id>
  <username>user_john</username>
  <firstName><![CDATA[John]]></firstName>
  <lastName><![CDATA[Doe]]></lastName>
</owner>
<active>>false</active>
<multi>>false</multi>
<type>VULNERABILITY</type>
<target>
  <webApp>
    <id>522065</id>
    <name><![CDATA[My Web Application]]></name>
    <url><![CDATA[http://mywebapp.com]]></url>
  </webApp>
  <scannerTags>
    <set>
      <Tag>
        <id>8461819</id>
      </Tag>
    </set>
  </scannerTags>
</target>
<progressiveScanning>DEFAULT</progressiveScanning>
<profile>
  <id>194283</id>
  <name>
    <![CDATA[Initial WAS Options]]>
  </name>
</profile>
<scheduling>
  <startDate>2017-01-10T13:55:00Z</startDate>
  <timeZone>
    <code>Europe/Istanbul</code>
    <offset>+02:00</offset>
  </timeZone>
  <occurrenceType>ONCE</occurrenceType>
  <cancelAfterNHours>10</cancelAfterNHours>
</scheduling>
<notification>
  <active>>false</active>
  <reschedule>>false</reschedule>
</notification>
<launchedCount>0</launchedCount>
<createdDate>2017-01-12T11:54:07Z</createdDate>
<createdBy>
  <id>1056860</id>
  <username>user_john</username>

```

```
        <firstName><![CDATA[John]]></firstName>
        <lastName><![CDATA[Doe]]></lastName>
    </createdBy>
    <updatedAt>2017-01-12T11:54:09Z</updatedAt>
    <updatedBy>
        <id>1056860</id>
        <username>user_john</username>
        <firstName><![CDATA[John]]></firstName>
        <lastName><![CDATA[Doe]]></lastName>
    </updatedBy>
    <sendMail>true</sendMail>
</WasScanSchedule>
</data>
</ServiceResponse>
```

## CA - Delta Upload Interval setting - Performance improvement

Now you can set the Delta Upload Interval value in the performance profile to something smaller than the minimum 60 seconds (in previous releases) to 1 second minimum. This lets you speed up the rate your agents upload changes to the Qualys Cloud Platform.

Using the Qualys Cloud Agent API, the Delta Upload Interval setting is specified using the Configuration Profile API and `INTERVAL_EVENT_UPLOAD_CHANGELIST`. Looking for more details? [Click here](#) for the latest Qualys Cloud Agent API User Guide.

### We've changed the default values

Performance profile	Default value
Low	10 seconds
Medium	5 seconds
High	1 second

### Good to know

- Only new performance profiles you create will use the new values
- It's best practice to go ahead and lower this setting in your existing profiles, similar to the default performance profile ranges: 1, 5 or 10 seconds

## CA - CPU Throttle setting - Increased upper limit

For the CPU Throttle performance setting in the configuration profile, users can now set a value from 0 to 1000 ms. We've increased the upper limit to 1000 ms (from 200 ms).

Using the Qualys Cloud Agent API the CPU Throttle setting is specified using Configuration Profile API and `THROTTLE_EVENT_SCAN`. Looking for more details? [Click here](#) for the latest Qualys Cloud Agent API User Guide.