



Web Application Firewall API

Release Notes

Version 1.18

The Qualys WAF API supports managing web applications, clusters and appliances in your WAF subscription. These release notes describe changes for the upcoming Qualys WAF release.

What's New

[Web Application API update](#)

[Cluster API update](#)

[Appliance API update](#)

Complete documentation for this release will be available at the time of release. Log in the Qualys Cloud Platform and go to Help > Resources or visit the Documentation section at the Qualys Community.

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

Account Login	Base URL
Qualys US Platform 1	https://qualysapi.qualys.com
Qualys US Platform 2	https://qualysapi.qg2.apps.qualys.com
Qualys EU Platform	https://qualysapi.qualys.eu
Qualys Private Cloud Platform	<a href="https://qualysapi.<customer_base_url>">https://qualysapi.<customer_base_url>

Web Application API update

Order of XSD elements has changed

The order of elements in the webapp.xsd has been changed to:

"id", "uuid", "name", "owner", "created", "createdBy", "updated", "updatedBy", "url", "originServerAddress", "status", "proxiedHostnames", "isStagingModeEnabled", "isSslEnabled", "sslStatus", "alertCount", "urls", "securityPolicy", "clusters", "rules", "certificateMetadata", "enableAuthenticatedScanning", "authenticatedScanningToken", "lastComment", "tags", "chain", "privateKey", "certificate", "passphrase"

Example: Update web application

Request:

```
curl -u "USERNAME:PASSWORD" -X "POST" -H "Content-Type: text/xml" https://qualysapi.qualys.com/qps/rest/1.0/update/waf/webapp/6174079 --data
```

```
"<?xml version=\"1.0\" ?>
<ServiceRequest>
  <data>
    <WebApp>
      <url>demo-suite.mydomain.com</url>
      <lastComment>YET ANOTHER COMMENT</lastComment>
      <chain>
LS0tLS1CRUdJTiBDRVJUSUZJQ0FURS0tLS0tDQpNSU1FT1RDQ0F5R2dBd01CQWdJQkFEQU5CZ
2txaGtpRz13MEJBUBVVGQURDQm9ERUxNQWtHQTFVRUJ0TUNWVWk14DQpFekFSQmdOVkJBZ1RDa0
5oYkdsbWlzM3YTeZcTBGNudKae05TDdlU04
...
      </chain>
      <privateKey>
LS0tLS1CRUdJTiBBSU0EgUFJkFURSBURVktLS0tLQ0KTU1JRW9nSUJBQUtDQVFFQXNjV1BsU
Ww3N2VBAFFoUjd1SlFwd0NhdTBOa0oySUxWaTJQkYjejlYU3R0Y1FuMA0KVEdorjFuZ2xXY3
RiMmhJc3I0VFBvSVpweTlueFc1RmZVbFpFeX1jVmtjQkhyaw1HQm9VOTJMUkVdYzZlMG1ySw0
KblFVLzJzV2M3YTEzZcTBGNudKae05TDdlU04
...
      </privateKey>
      <certificate>
LS0tLS1CRUdJTiBDRVJUSUZJQ0FURS0tLS0tDQpNSU1FUURDQ0F5aWdBd01CQWdJQkFUQU5CZ
2txaGtpRz13MEJBUBVVGQURDQm9ERUxNQWtHQTFVRUJ0TUNWVWk14DQpFekFSQmdOVkJBZ1RDa0
5oYkdsbWlzM3YTeZcTBGNudKae05TDdlU04
...
      </certificate>
      <passphrase>xxxxxxxxxxxxxxxx</passphrase>
    </WebApp>
```

```
</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/  
waf/webapp.xsd">  
  <responseCode>SUCCESS</responseCode>  
  <count>1</count>  
  <data>  
    <WebApp>  
      <id>6174079</id>  
      <uuid>45421e43-6821-4172-b395-8eabd9c1ad17</uuid>  
      <name><![CDATA[WEB APP P04]]></name>  
      <owner>  
        <id>2049309</id>  
        <username>acme_ja</username>  
        <firstname>Jill</firstname>  
        <lastname>Smith</lastname>  
      </owner>  
      <created>2016-07-15T01:44:03Z</created>  
      <createdBy>  
        <id>2049309</id>  
        <username>acme_ja</username>  
        <firstname>Jill</firstname>  
        <lastname>Smith</lastname>  
      </createdBy>  
      <updated>2016-07-15T02:03:43Z</updated>  
      <updatedBy>  
        <id>2049309</id>  
        <username>acme_ja</username>  
        <firstname>Jill</firstname>  
        <lastname>Smith</lastname>  
      </updatedBy>  
      <url>demo-suite.mydomain.com</url>  
      <originServerAddress>site-origin.mydomain.com</originServerAddress>  
      <status>INACTIVE</status>  
      <proxiedHostnames>false</proxiedHostnames>  
      <isStagingModeEnabled>true</isStagingModeEnabled>  
      <isSslEnabled>true</isSslEnabled>  
      <sslStatus>OK</sslStatus>  
      <alertCount>0</alertCount>  
      <urls>  
        <string>demo-suite.mydomain.com</string>  
      </urls>  
      <securityPolicy>  
        <id>142265</id>
```

```
<uuid>f99e9ac4-8b83-4aad-aeee-4923867a0d6f</uuid>
<name><![CDATA[0.8.1-18]]></name>
</securityPolicy>
<clusters/>
<rules>
  <WebAppRule>
    <id>57404</id>
    <uuid>0184c3c5-1ff2-4d1b-9d16-24e1fb1df2ed</uuid>
    <name><![CDATA[ALLOW AF]]></name>
    <action>ALLOW</action>
    <criteria><![CDATA[AF]]></criteria>
  </WebAppRule>
</rules>
<certificateMetadata><![CDATA[{"fileName":"WEB APP
P04.crt","commonName":"..."}]]>
</certificateMetadata>
<enableAuthenticatedScanning>>false</enableAuthenticatedScanning>
<lastComment><![CDATA[ANOTHER COMMENT]]></lastComment>
</WebApp>
</data>
</ServiceResponse>
```

Cluster API update

Order of XSD elements has changed

The order of elements in the cluster.xsd has been changed to:

"id", "uuid", "name", "owner", "created", "createdBy", "updated", "updatedBy", "token", "syncDate", "status", "webApps", "appliances", "tags", "description", "redirectUrl", "httpErrorCode"

Example: Create cluster

Request:

```
curl -u "USERNAME:PASSWORD" -X "POST" -H "Content-Type: text/xml"
https://qualysapi.qualys.com/qps/rest/1.0/create/waf/cluster --data
```

```
"<?xml version=\"1.0\"?>
<ServiceRequest>
  <data>
    <Cluster>
      <name>CHECK ORDER</name>
      <tags>
        <Tag>
          <name>CLUSTER API</name>
        </Tag>
        <Tag>
          <name>CLUSTERS</name>
        </Tag>
      </tags>
      <description>XSD vs RESPONSE XML</description>
      <redirectUrl>mydomain.com</redirectUrl>
      <httpErrorCode>301</httpErrorCode>
    </Cluster>
  </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/w
af/cluster.xsd">
  <responseCode>SUCCESS</responseCode>
  <count>1</count>
  <data>
    <Cluster>
      <id>225802</id>
      <uuid>8ffd9a88-c5c6-4add-bd31-3621e55fbaf5</uuid>
```

Cluster API update

```
<name><![CDATA[CHECK ORDER]]></name>
<owner>
  <id>2049309</id>
  <username>acme_ja</username>
  <firstname>Jill</firstname>
  <lastname>Smith</lastname>
</owner>
<created>2016-07-14T21:37:54Z</created>
<createdBy>
  <id>2049309</id>
  <username>acme_ja</username>
  <firstname>Jill</firstname>
  <lastname>Smith</lastname>
</createdBy>
<updated>2016-07-14T21:37:54Z</updated>
<updatedBy>
  <id>2049309</id>
  <username>acme_ja</username>
  <firstname>Jill</firstname>
  <lastname>Smith</lastname>
</updatedBy>
<token><![CDATA[DC7947DD-41E4-470D-AC9D-9531BA07973E]]></token>
<status>NO_SENSORS</status>
<webApps/>
<appliances/>
<tags>
  <Tag>
    <id>2260421</id>
    <name><![CDATA[CLUSTERS]]></name>
  </Tag>
  <Tag>
    <id>2251423</id>
    <name><![CDATA[CLUSTER API]]></name>
  </Tag>
</tags>
<description><![CDATA[XSD vs RESPONSE XML]]></description>
<redirectUrl>mydomain.com</redirectUrl>
<httpErrorCode>301</httpErrorCode>
</Cluster>
</data>
</ServiceResponse>
```

Appliance API update

Order of XSD elements has changed

The order of elements in the appliance.xsd has been changed to:

```
"id", "uuid", "name", "hostname", "lastPollDate", "applianceCreated", "applianceVersion",
"status", "pollStatus", "heartbeatGenerated", "heartbeatProcessed", "systemOs",
"systemRam", "systemType", "systemEc2InstanceId", "systemEc2InstanceType",
"systemEc2AmiId", "systemCpusCount", "systemCpusCores", "systemCpusSpeed",
"systemCpusModel", "configRulesVersion", "configVersion", "configGenerated", "ip",
"cluster"
```

Example: Get details on appliance

Request:

```
curl -u "USERNAME:PASSWORD" -X "GET" -H "Content-Type: text/xml"
https://qualysapi.qualys.com/qps/rest/1.0/get/waf/appliance/142407
```

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/
waf/appliance.xsd">
  <responseCode>SUCCESS</responseCode>
  <count>1</count>
  <data>
    <Appliance>
      <id>142407</id>
      <uuid>7b7e71a1-63a8-4f67-bc24-163a6d223fed</uuid>
      <name><![CDATA[7B7E71A1-63A8-4F67-BC24-163A6D223FED]]></name>
      <hostname><![CDATA[localhost.localdom]]></hostname>
      <lastPollDate>2016-07-14T18:22:15Z</lastPollDate>
      <applianceCreated>2016-06-23T00:45:41Z</applianceCreated>
      <applianceVersion><![CDATA[1.2.0]]></applianceVersion>
      <status>ACTIVE</status>
      <pollStatus>NOT_POLLING</pollStatus>
      <heartbeatGenerated>2016-07-02T03:06:00Z</heartbeatGenerated>
      <heartbeatProcessed>2016-07-02T03:06:02Z</heartbeatProcessed>
      <systemOs><![CDATA[Linux localhost.localdom 2.6.32-
573.12.1.el6.x86_64 #1 SMP Tue Dec 15 21:19:08 UTC 2015
x86_64]]></systemOs>
      <systemRam>4018700288</systemRam>
      <systemType><![CDATA[vmware]]></systemType>
      <systemEc2InstanceId><![CDATA[12344]]></systemEc2InstanceId>
      <systemEc2InstanceType><![CDATA[M3]]></systemEc2InstanceType>
      <systemEc2AmiId><![CDATA[Linux]]></systemEc2AmiId>
```

Appliance API update

```
<systemCpusCount>2</systemCpusCount>
<systemCpusCores>1</systemCpusCores>
<systemCpusSpeed>1995.192</systemCpusSpeed>
<systemCpusModel><![CDATA[Intel(R) Xeon(R) CPU E5-2650 0 @
2.00GHz]]></systemCpusModel>
<configRulesVersion><![CDATA[2016-07-
02T03:03:29.336Z]]></configRulesVersion>
<configVersion><![CDATA[2016-07-01T20:04:35.618-
07:00]]></configVersion>
<configGenerated>2016-07-02T03:04:35Z</configGenerated>
<ip><![CDATA[/10.10.197.143]]></ip>
<cluster>
  <id>131833</id>
  <uuid>81779f41-3be8-47c8-9ea4-f85bcc68bb41</uuid>
  <name><![CDATA[PROD IMAGE SENSOR(QWAF3)]]></name>
</cluster>
</Appliance>
</data>
</ServiceResponse>
```