



Qualys Certificate View v2.8.3

API Release Notes

Version 2.8.3

October 19, 2021

Qualys Certificate View API gives you many ways to integrate your programs and API calls with Qualys capabilities.

What's New

[Update in page size limits for List CertView Certificate](#)

[List Assets for a Certificate](#)

The Qualys API URL you should use for API requests depends on the Qualys platform where your account is located.

[Click here to identify your Qualys Platform and get the API URL](#)

This documentation uses the API server URL for Qualys US Platform 1 (<https://qualysapi.qualys.com>) in sample API requests. Please replace this URL with the appropriate server URL for your account if you're on another platform.

List CertView Certificates

Use this API to retrieve a list of certificates based on an input filter query. We have updated the parameter pageSize in Certview Certificate API. We have also introduced an alternative that you can use when you have more than 1000 assets associated with a specific certificate.

-Update in page size limits for List CertView Certificate: Use this API to quickly fetch certificate details. We have improved the performance by limiting the assets to 1000 and page size to 200.

-List Assets for a Certificate: Use this API to fetch data of a specific certificate. You can also use this API for a certificate with more than 1000 assets.

Update in page size limits for List CertView Certificate

APIs affected	/certview/v1/certificates
Method	Post
New or Updated APIs	Updated

We have updated the limit on page size to 200 for better performance. If a certificate has more than 1000 assets, then the result of query fetches first 1000 assets of that certificate. If any of the certificates has more than 1000 assets, use a list assets for a certificate API that uses certhash as the input and returns the asset details. For more details refer to [List Assets for a Certificate](#).

Input Parameters

certificateDetails (String)	Define the level of certificate attributes you want to list. Default value basic is used to fetch commonly used attributes. Use value extended to fetch these additional attributes: <ul style="list-style-type: none">- Serial number- Auth Key Identifier- Subject Key Identifier- Key Usage- Base64 certificate- Enhanced Key Usage
filter (String)	(Optional) Filter the events list by providing a query using Qualys syntax. Refer to the How to Search topic in the online help for assistance with creating your query. For example - expiryGroup: Expired Refer to the list of tokens you can use to build the query: Search tokens
pageNumber (Integer)	(Optional) The page to be returned. Starts from zero.
pageSize (Integer)	(Optional) Provide the number of records per page to be included in the response. Default: 10. Maximum: 200
sort (String)	(Optional) Sort the results using a Qualys token. By default the result is sorted as {updated: desc}

Note: This API supports both new and old query format. For more details refer to [Query Example](#).

Sample to View Certificate and Assets

API request:

```
curl -X POST
"https://gateway.qgl.apps.qualys.com/certview/v1/certificates" --header
"Accept: application/json" -H "Authorization: Bearer <JWT Token>" -d
"{\"certificateDetails\": \"basic\"}"
```

Response:

```
[
  {
    "keySize": 2048,
    "subject": {
      "organization": "",
      "locality": "",
      "name": "WIN-890BLRMESC6",
      "state": "",
      "organizationUnit": []
    }
  }
]
```

```
    },
    "validFrom": 1617357600000,
    "signatureAlgorithm": "SHA1withRSA",
    "issuer": {
      "organization": "",
      "organizationUnit": [],
      "name": "WIN-890BLRMESC6",
      "country": "",
      "state": "",
      "locality": ""
    },
    },
    "instanceCount": 1,
    "dn": "CN=WIN-890BLRMESC6",
    "certhash":
    "28XXXXXXXXXXe5f88c74a4abac16837f8adb692fa02bc4e4cea768d885ff1589",
    "assets": [
      {
        "netbiosName": "",
        "assetId": "def20c02-0039-4b61-8546-5d1c8cc902f8",
        "name": "Server1",
        "operatingSystem": "Windows Vista / Windows 2008",
        "tags": [
          {
            "name": "abc",
            "uuid": "dff93cfa-eea0-4e8a-acf0-8d4f90dd8f29"
          }
        ],
        "hostInstances": [
          {
            "protocol": "tcp",
            "sslProtocols": [],
            "port": 3389,
            "grade": "T",
            "service": "win_remote_desktop",
            "fqdn": "",
            "vulnerabilities": [
              {
                "title": "SSL Certificate - Signature Verification Failed
Vulnerability",
                "severity": 2,
                "qid": 38173
              },
              {
                "title": "SSL Certificate - Subject Common Name Does Not
Match Server FQDN",
                "severity": 2,
                "qid": 38170
              },
              {
```

```
        "title": "SSL Certificate - Information",
        "severity": 1,
        "qid": 86002
    },
    {
        "title": "SSL Certificate will expire within next six
months",
        "severity": 1,
        "qid": 38600
    },
    {
        "title": "TLS Secure Renegotiation Extension Support
Information",
        "severity": 1,
        "qid": 42350
    },
    {
        "title": "SSL/TLS use of weak RC4 cipher",
        "severity": 3,
        "qid": 38601
    }
    ],
    "vulnCount": 6
}
],
"created": 1614747098000,
"updated": 1621333561000,
"assetInterfaces": [
    {
        "hostname": "ABC.COM",
        "address": "10.XXX.X.XX"
    }
],
"certificateCount": 0
}
],
"selfSigned": true,
"validTo": 1633168800000,
"issuerCategory": "Self-Signed",
"subjectAlternativeNames": {},
"lastFound": 1621333561000,
"extendedValidation": false,
"orderStatus": ""
}
]
```

List Assets for a Certificate

APIs affected	/certview/v1/certificates/{certhash}/assets
Method	POST
New or Updated APIs	New

You can now view all the assets of the specific certificate using this API using certhash as an input. It displays all the asset details of the specific certificate. You can also view the details of the assets, like tags and instances. This API is useful when you have more than 1000 asset on a specific certificate. If the total count is greater than the number of results returned, you can fetch the next page by calling the API again with the next page number.

Input Parameters

certhash (string)	Query parameter- Provide hash of the certificate.
attributes	(Optional) Provide specific attributes to display additional asset details based on -tags: View certificate list of assets with specified tags. -hostInstances: View the certificate list which contains list of instances on which this certificate was found. -tags and hostInstances: View the certificate list which contains all the primitive details of the assets along with the asset tags and instances on which this certificate was found.
filter (String)	(Optional) Filter the events list by providing a query using Qualys syntax. Refer to the How to Search topic in the online help for assistance with creating your query. For example - expiryGroup: Expired Refer to the list of tokens you can use to build the query: Search tokens
pageNumber (Integer)	(Optional) The page to be returned. Starts from zero.
pageSize (Integer)	(Optional) Provide the number of records per page to be included in the response. Default: 10. Maximum: 200 For example the total result set is 50 assets. If the page size is specified as 10, then the result is divided in 5 pages of 10 assets each.
Note: Use combination of pageNumber and pageSize parameters to ensure that the results returned are less than 10000 records. If it exceeds 10000 records then an error message is displayed.	
sort (String)	(Optional) Sort the results ascending or descending order. By default the result is sorted by {updated: desc}

Note: This API supports only new query format. For more details refer to [Query Example](#).

Query Example

Example	If you want to view the certificate with asset name server1.
Old Format	<code>asset.name:server1</code>
New Format	<code>asset:(name:server1)</code>

Sample to View Asset Details of Specific Certificate

API request:

```
curl -X POST
"https://gateway.qg1.apps.qualys.com/certview/v1/certificates/<certhash>/
assets" --header "Accept: application/json" -H "Authorization: Bearer <JWT
Token>" -d "{\"certificateDetails\": \"basic\"}
```

Response:

```
[
  {
    "netbiosName": "",
    "assetId": "8d6d19b5-9201-445b-87c2-b61aeb3f4fa5",
    "name": "ABC.COM",
    "operatingSystem": "NetScaler",
    "created": 1587464966000,
    "updated": 1625213136000,
    "assetInterfaces": [
      {
        "hostname": "ABC.COM",
        "address": "10.XXX.X.XX"
      }
    ],
    "certificateCount": 0
  },
  {
    "netbiosName": "",
    "assetId": "2a9428e4-9130-4979-9f8c-dcfe86579c39",
    "name": "Server1",
    "operatingSystem": "NetScaler",
    "created": 1591703972000,
    "updated": 1624014415000,
    "assetInterfaces": [
      {
        "hostname": "ABC.COM",
        "address": "10.XXX.X.XX"
      }
    ],
    "certificateCount": 0
  }
]
```