



Qualys Certificate View v2.10.0

API Release Notes

Version 2.10.0

October 22, 2022

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

What's New

[New API Function to Fetch more than 10000 Certificates](#)

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 (v2)

Use this API to retrieve certificates. You can use various filters to search the required result. You can use multiple filters and parameters. We have updated the limit for fetching the certificates.

If you need to fetch certificate search results that exceed 10000 certificates, you can use this v2 version of List CertView Certificate API. The response contains certificate details including associated host information and SSL/TLS related vulnerabilities and grades.

APIs affected	/certview/v2/certificates
Method	Post
New or Updated APIs	New

Input Parameters

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. The default value is 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 with 10 assets each.
includes (String)	(Optional) Includes the specified parameters in the response For example- ASSET_INTERFACES, VULNERABILITIES, SSL_PROTOCOLS, CIPHER_SUITES, ASSET_TAGS, EXTENSIVE_CERTIFICATE_INFO
Authorization (String)	(Required) Authorization token to authenticate to the Qualys Cloud Platform. Prepend token with "Bearer" and one space. For example - Bearer authToken

Sample with a Single Filter and a Parameter

The following sample request specifies page size as 10 and filter as `certificate.id` and includes the parameter as `ASSET_INTERFACES` in the request. The request fetches all certificates related to this query. The response has certificate details and related asset and instance summary.

API request:

```
curl -X POST
"https://gateway.ggl.apps.qualys.com/certview/v2/certificates" -H
"Accept: application/json" -H "Content-Type: application/json" -d
"{\"filter\":{\"filters\":[{\"field\":\"certificate.id\",\"value\":\"string\", \"operator\":\"IS_NOT_EMPTY\"}],\"operation\":\"AND\"},\"pageNumber\":0,\"pageSize\":10,\"includes\":[\"ASSET_INTERFACES\"]}" -H
"Authorization: Bearer <JWT Token>"
```

Response:

```
[
  {
    "id": 10349,
    "certhash":
"466dc3a5d7e15c4c4d518eb910f92c968e26f6d0f00dd77df04c2b4a163ec71e",
    "keySize": 2048,
    "serialNumber": "09c32c6f413ba6af22fdd232068fa708",
    "validToDate": "2022-04-04T23:59:59.000+00:00",
    "validTo": 1649116799000,
    "validFromDate": "2021-03-30T00:00:00.000+00:00",
    "validFrom": 1617062400000,
    "signatureAlgorithm": "SHA256withRSA",
    "extendedValidation": false,
    "createdDate": "2021-10-07T08:39:33.000+00:00",
    "dn": "CN=ssllabs.com, O=\"Qualys, Inc.\", L=Foster City,
ST=California, C=US",
    "subject": {
      "organization": "Qualys, Inc.",
      "locality": "Foster City",
      "name": "ssllabs.com",
      "state": "California",
      "country": "US",
      "organizationUnit": []
    },
    "updateDate": "2021-10-07T08:39:33.000+00:00",
    "lastFound": 1633595973000,
    "imported": true,
    "selfSigned": false,
    "issuerCategory": "unapproved",
    "instanceCount": 0,
    "assetCount": 0
  },
]
```

```
{
  "id": 13024,
  "certhash":
"88be9dcfba0e89ae97c58ac6f1030c4a3a05e9e4b26f03daf3c260ec8e0daf71",
  "keySize": 2048,
  "serialNumber": "063edb84e40577cbc812edff6bf6d1bb",
  "validToDate": "2023-09-22T23:59:59.000+00:00",
  "validTo": 1695427199000,
  "validFromDate": "2022-09-22T00:00:00.000+00:00",
  "validFrom": 1663804800000,
  "signatureAlgorithm": "SHA256withRSA",
  "extendedValidation": true,
  "createdDate": "2022-09-24T02:56:54.000+00:00",
  "dn": "CN=www.example.com, O=\"Qualys, Inc.\", L=Foster City,
ST=California, C=US, serialNumber=3152140, businessCategory=Private
Organization, StateOrProvince=Delaware, CountryName=US",
  "subject": {
    "organization": "Qualys, Inc.",
    "locality": "Foster City",
    "name": "www.example.com",
    "state": "California",
    "country": "US",
    "organizationUnit": []
  },
  "updateDate": "2022-09-30T03:15:16.000+00:00",
  "lastFound": 1664507716000,
  "imported": false,
  "selfSigned": false,
  "issuer": {
    "organization": "DigiCert Inc",
    "organizationUnit": [
      "www.digicert.com"
    ],
    "name": "DigiCert SHA2 Extended Validation Server CA",
    "country": "US",
    "state": "",
    "certhash":
"403e062a2653059113285baf80a0d4ae422c848c9f78fad01fc94bc5b87fef1a",
    "locality": ""
  },
  "rootissuer": {
    "organization": "DigiCert Inc",
    "organizationUnit": [
      "www.digicert.com"
    ],
    "name": "DigiCert High Assurance EV Root CA",
    "country": "US",
    "state": "",
    "certhash":
```

```
"7431e5f4c3c1ce4690774f0b61e05440883ba9a01ed00ba6abd7806ed3b118cf",
  "locality": "",
},
"issuerCategory": "unapproved",
"instanceCount": 1,
"assetCount": 1,
"assets": [
  {
    "id": 15421515,
    "uuid": "99345007-6fb5-4b64-876b-621b2f2c967e",
    "netbiosName": "",
    "name": "www.example.com",
    "operatingSystem": "EulerOS / SuSE Linux / Scientific Linux",
    "hostInstances": [
      {
        "id": 2063,
        "port": 443,
        "fqdn": "",
        "protocol": "tcp",
        "service": "http",
        "grade": "C"
      }
    ],
    "assetInterfaces": [
      {
        "hostname": "www.example.com",
        "address": "10.44.201.67"
      }
    ]
  }
]
```

Sample with Multiple Filters and Multiple Parameters

The following sample request specifies page size as 10 and two filters as `certificate.id` , `certificate.hash` and includes the parameters as `ASSET_INTERFACES` and `ASETS_TAGS` in the request; the request fetches all certificates related to this query. The response has certificate details and related asset and instance summary.

API request:

```
curl -X POST
"https://gateway.ggl.apps.qualys.com/certview/v2/certificates" -H
"Accept: application/json" -H "Content-Type: application/json" -d
{"filter":{"filters":[{"field":"certificate.id","value":"string"}, {"operator":"IS_NOT_EMPTY"}, {"field":"certificate.certhash","value":"466dc3a5d7e15c4c4d518eb910f92c968e26f6d0f00dd77df04c2b4a163ec71e"}, {"operator":"EQUALS"}]}, {"operation":"AND"}, {"pageNumber":0, "pageSize":10, "includes":["ASSET_INTERFACES","ASSET_TAGS"]} -H
"Authorization: Bearer <JWT Token>"
```

Response:

```
[
  {
    "id": 10349,
    "certhash":
    "466dc3a5d7e15c4c4d518eb910f92c968e26f6d0f00dd77df04c2b4a163ec71e",
    "keySize": 2048,
    "serialNumber": "09c32c6f413ba6af22fdd232068fa708",
    "validToDate": "2022-04-04T23:59:59.000+00:00",
    "validTo": 1649116799000,
    "validFromDate": "2021-03-30T00:00:00.000+00:00",
    "validFrom": 1617062400000,
    "signatureAlgorithm": "SHA256withRSA",
    "extendedValidation": false,
    "createdDate": "2021-10-07T08:39:33.000+00:00",
    "dn": "CN=ssllabs.com, O=\"Qualys, Inc.\", L=Foster City,
    ST=California, C=US",
    "subject": {
      "organization": "Qualys, Inc.",
      "locality": "Foster City",
      "name": "ssllabs.com",
      "state": "California",
      "country": "US",
      "organizationUnit": []
    },
    "updateDate": "2021-10-07T08:39:33.000+00:00",
    "lastFound": 1633595973000,
    "imported": true,
    "selfSigned": false,
    "issuerCategory": "unapproved",
    "instanceCount": 0,
```

```
    "assetCount": 0  
  }  
]
```

Tokens, Operators and Date Formats Compatibility

You can refer the following tokens and their supported data types and operator while making queries.

Token	Data Types	Operators Supported
asset.primaryIp	string	IN, IS_EMPTY, IS_NOT_EMPTY, EQUALS, NOT_EQUALS
certificate.certhash	string	IN, IS_EMPTY, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, CONTAINS
certificate.keySize	string	IN, IS_EMPTY, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, CONTAINS
certificate.serialNumber	string	IN, IS_EMPTY, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, CONTAINS
certificate.signatureAlgorithem	string	IN, IS_EMPTY, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, CONTAINS
certificate.name	string	IN, IS_EMPTY, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, CONTAINS
certificate.country	string	IN, IS_EMPTY, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, CONTAINS
certificate.state	string	IN, IS_EMPTY, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, CONTAINS
certificate.locality	string	IN, IS_EMPTY, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, CONTAINS
certificate.organization	string	IN, IS_EMPTY, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, CONTAINS
certificate.organizationUnit	string	IN, IS_EMPTY, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, CONTAINS
certificate.source	string	IN, IS_EMPTY, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, CONTAINS
certificate.issuerCategory	string	IN, IS_EMPTY, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, CONTAINS
certificate.orderStatus	string	IN, IS_EMPTY, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, CONTAINS
certificate.issuerCerthash	string	IN, IS_EMPTY, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, CONTAINS
certificate.rootIssuerCerthash	string	IN, IS_EMPTY, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, CONTAINS

certificate.issuerCountry	string	IN, IS_EMPTY, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, CONTAINS
certificate.rootIssuerCountry	string	IN, IS_EMPTY, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, CONTAINS
certificate.issuerState	string	IN, IS_EMPTY, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, CONTAINS
certificate.rootIssuerState	string	IN, IS_EMPTY, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, CONTAINS
certificate.issuerLocality	string	IN, IS_EMPTY, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, CONTAINS
certificate.rootIssuerLocality	string	IN, IS_EMPTY, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, CONTAINS
certificate.issuerOrganization	string	IN, IS_EMPTY, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, CONTAINS
certificate.rootIssuerOrganization	string	IN, IS_EMPTY, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, CONTAINS
certificate.issuerOrganizationUnit	string	IN, IS_EMPTY, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, CONTAINS
certificate.rootIssuerOrganizationUnit	string	IN, IS_EMPTY, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, CONTAINS
asset.uuid	string	IN, IS_EMPTY, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, CONTAINS
asset.name	string	IN, IS_EMPTY, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, CONTAINS
asset.netbiosName	string	IN, IS_EMPTY, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, CONTAINS
asset.operatingSystem	string	IN, IS_EMPTY, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, CONTAINS
asset.agentId	string	IN, IS_EMPTY, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, CONTAINS
instance.assetId	string	IN, IS_EMPTY, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, CONTAINS
instance.certificateId	string	IN, IS_EMPTY, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, CONTAINS
instance.port	string	IN, IS_EMPTY, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, CONTAINS
instance.fqdn	string	IN, IS_EMPTY, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, CONTAINS

instance.protocol	string	IN, IS_EMPTY, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, CONTAINS
instance.service	string	IN, IS_EMPTY, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, CONTAINS
instance.grade	string	IN, IS_EMPTY, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, CONTAINS
instance.sslProtocol	string	IN, IS_EMPTY, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, CONTAINS
instance.vulnerabilityTitle	string	IN, IS_EMPTY, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, CONTAINS
instance.vulnerabilitySeverity	string	IN, IS_EMPTY, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, CONTAINS
instance.cipherSuite	string	IN, IS_EMPTY, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, CONTAINS
certificate.updateDate	string	IN, IS_EMPTY, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, CONTAINS
certificate.createDate	string	IN, IS_EMPTY, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, CONTAINS
asset.createDate	long/date	IN, LESSER, IS_EMPTY, GREATER, GREATER_THAN_EQUAL, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, LESS_THAN_EQUAL
certificate.validToDate	long/date	IN, LESSER, IS_EMPTY, GREATER, GREATER_THAN_EQUAL, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, LESS_THAN_EQUAL
certificate.validFromDate	long/date	IN, LESSER, IS_EMPTY, GREATER, GREATER_THAN_EQUAL, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, LESS_THAN_EQUAL
asset.updateDate	long/date	IN, LESSER, IS_EMPTY, GREATER, GREATER_THAN_EQUAL, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, LESS_THAN_EQUAL
asset.scannedDate	long/date	IN, LESSER, IS_EMPTY, GREATER, GREATER_THAN_EQUAL, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, LESS_THAN_EQUAL

instance.scannedDate	long/date	IN, LESSER, IS_EMPTY, GREATER, GREATER_THAN_EQUAL, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, LESS_THAN_EQUAL
certificate.issuerId	long	IN, LESSER, IS_EMPTY, GREATER, GREATER_THAN_EQUAL, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, LESS_THAN_EQUAL, CONTAINS
certificate.rootissuerId	long	IN, LESSER, IS_EMPTY, GREATER, GREATER_THAN_EQUAL, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, LESS_THAN_EQUAL, CONTAINS
instance.id	long	IN, LESSER, IS_EMPTY, GREATER, GREATER_THAN_EQUAL, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, LESS_THAN_EQUAL, CONTAINS
instance.qid	long	IN, LESSER, IS_EMPTY, GREATER, GREATER_THAN_EQUAL, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, LESS_THAN_EQUAL, CONTAINS
certificate.id	long	IN, LESSER, IS_EMPTY, GREATER, GREATER_THAN_EQUAL, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, LESS_THAN_EQUAL, CONTAINS
asset.id	long	IN, LESSER, IS_EMPTY, GREATER, GREATER_THAN_EQUAL, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, LESS_THAN_EQUAL, CONTAINS
certificate.isEv	Boolean	IN, IS_EMPTY, IS_NOT_EMPTY, EQUALS, NOT_EQUALS
certificate.isImported	Boolean	IN, IS_EMPTY, IS_NOT_EMPTY, EQUALS, NOT_EQUALS
certificate.isSelfSigned	Boolean	IN, IS_EMPTY, IS_NOT_EMPTY, EQUALS, NOT_EQUALS
certificate.dn	String	IS_EMPTY, IS_NOT_EMPTY, EQUALS, NOT_EQUALS, CONTAINS

Tokens with Date Format Compatibility

Refer the following tokens which take dates in the queries and their supported date formats with example

Tokens	Format	Example
certificate.validToDate,	epoch date format	1863402251000
certificate.validFromDate,	yyyy-MM-dd'T'HH:mm:ss'Z	2029-01-18T09:14:11Z
certificate.createDate ,	yyyy-MM-dd'T'HH:mm'Z'	2029-01-18T09:14Z
certificate.updateDate,	yyyy-MM-dd'T'HH'Z'	2029-01-18T09Z
asset.createDate,	yyyy-MM-dd'Z'	2029-01-18Z
asset.updateDate,	yyyy-MM-dd	2029-01-18
asset.scannedDate,	yyyy-MM-dd HH:mm:ss	2029-01-18 09:14:11
instance.scannedDate,		

