



Qualys Certificate View v3.0.0

API Release Notes

Version 3.0.0

March 20, 2023 (Updated on April 3, 2023)

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

What's New

[Introduced Two New Parameters in Responses of List CertView Certificates v1 and v2 APIs](#)

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.

Introduced Two New Parameters in Responses of List CertView Certificates v1 and v2 APIs

APIs affected	/certview/v1/certificates /certview/v2/certificates
Method	Post
New or Updated APIs	Updated

You can use this API to retrieve certificates. Using the existing filters and parameters, you can narrow down the search results for certificates. We have now introduced two new parameters in the response, namely: `primaryIp` and `sources`.

With the newly introduced parameters, you can:

- uniquely identify the primary IP address of the certificate discovered.
- identify the source of the certificate from where scans are initiated. For example, VM or Qualys Cloud Agent.

Refer to the [CertView API User Guide](#) for details on all available input parameters.

Sample for List CertView Certificates (v1)

The following sample request with all parameters defined. The request fetches all certificates related to this query. The response has certificate details, related assets along with sources and primary IP address.

API request:

```
curl -X 'POST'
  "<qualys_base_url>/certview/v1/certificates" -H "Accept:
application/json" -H "Content-Type: application/json" -d
'{"certificateDetails": "basic","filter": "subject:(name:
username)","pageNumber": 0,"pageSize": 10,"sort": "[{"lastFound":
\desc\}]"}' -H "Authorization: Bearer <JWT Token>"
```

Response:

```
[
  {
    "keySize": 1024,
    "subject": {
      "organization": "Qualys",
      "locality": "Qualys",
      "name": "www.qualys.com",
      "state": "MH",
      "country": "IN",
      "organizationUnit": [
        "CU5"
      ]
    },
    "validFrom": 1556813623000,
    "signatureAlgorithm": "SHA1withRSA",
    "instanceCount": 3,
    "dn": "CN=www.qualys.com, OU=CU5, O=Qualys, L=Qualys, ST=MH,
C=IN",
    "certhash":
    "b45880b8a86a0ca0e28274fff75543216d15eed70cfaecc0b5e11f2a5eec5a493",
    "assets": [
      {
        "assetId": "0cea28b9-fc63-41ed-bfc2-2e89fda3f919",
        "name": "domain2.com",
        "operatingSystem": "NetScaler",
        "tags": [
          {
            "name": "Test1",
            "uuid": "915a6f7e-e243-4b3c-808c-daabefe0558b"
          }
        ]
      },
      {
        "primaryIp": "2.2.2.2",
        "created": 1657599473000,
        "updated": 1678264956000,
      }
    ]
  }
]
```

```
    "assetInterfaces": [
      {
        "hostname": "domain2.com",
        "address": "2.2.2.2"
      }
    ],
    "certificateCount": 0
  },
  {
    "assetId": "4b741a73-7785-49cf-b8f5-24c6529bc09a",
    "name": "domain3.com",
    "operatingSystem": "NetScaler",
    "tags": [
      {
        "name": "Test Tag",
        "uuid": "698a070d-bcf4-4ce7-87fd-f8f23aabaad2"
      },
      {
        "name": "Business Units",
        "uuid": "526812ce-9b89-4349-9928-35536bd7c983"
      },
      {
        "name": "Asset Groups",
        "uuid": "f6ea9e6a-4c55-4ca7-b23c-57df075538fd"
      }
    ],
    :
    :
    :
    "lastFound": 1678526226678,
    "extendedValidation": false,
    "sources": [
      "QAGENT"
    ]
  },
  {
    "keySize": 2048,
    "subject": {
      "organization": "Qualys, Inc.",
      "locality": "Foster City",
      "name": "www.qualys.com",
      "state": "California",
      "country": "US",
      "organizationUnit": []
    },
    "validFrom": 1676266200000,
    "signatureAlgorithm": "SHA256withRSA",
    "instanceCount": 2,
    "dn": "CN=www.qualys.com, O=\"Qualys, Inc.\", L=Foster City,
```

```
ST=California, C=US, serialNumber=3152140, businessCategory=Private
Organization, StateOrProvince=Delaware, CountryName=US",
  "certhash":
"192a86240c5ec5d87dd108f17e2543e78439101f193c99c53193f60d115b885d",
  "assets":
.
.
.
      "www.qualysguard.eu"
    ],
    "IP Address": null
  },
  "lastFound": 1678526193000,
  "extendedValidation": true,
  "sources": [
    "QAGENT",
    "VM"
  ]
},
{
  "keySize": 2048,
  "subject": {
    "organization": "Will LLC",
    "locality": "Wernershire",
    "name": "internalleverage.name",
    "state": "PROVINCE",
    "country": "CM",
    "organizationUnit": []
  },
  "validFrom": 1547800740000,
  "signatureAlgorithm": "SHA256withRSA",
  "instanceCount": 1,
  "dn": "CN=internalleverage.name, O=Will LLC, postalCode=37625,
STREET=\"44361 Greensmouth, Mayraberg, Vermont 37625\", L=Wernershire,
ST=PROVINCE, C=CM",
  "certhash":
"000ad72de07627cd27561cd9e6a3985fedb29a5b4a506f2cfacce2c2e7f0d227",
  "assets": [
    {
      "netbiosName": "Margret",
      "assetId": "141a21b5-f94b-4ee4-a8fe-f6acb17e4da9",
      "name": "UNKNOWN",
      "primaryIp": "51.124.XX.247",
      "hostInstances": [
        {
          "protocol": "tcp",
          "sslProtocols": [
            "TLSv1.2"
          ]
        }
      ]
    }
  ]
},
}
```

```
        "port": 4443,  
        "grade": "T",  
        "vul  
.  
.  
.  
        "certhash":  
"0ea3b2a945db6064adefc779325de0bc8f38f25b0547582b3cf17cf276d3a3a3",  
        "assets": [],  
        "selfSigned": false,  
        "validTo": 1587988800000,  
        "issuerCategory": "DigiCert Test SHA2 Intermediate CA-1",  
        "subjectAlternativeNames": {},  
        "lastFound": 1614075440000,  
        "extendedValidation": false,  
        "orderStatus": "In Renewal"  
    }  
]
```

Sample for List CertView Certificates (v2)

The following sample request specifies page size as 10 and filter as asset.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 with sources and primary IP address.

API request:

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

Response:

```
[  
  {  
    "id": 630408,  
    "certhash":  
"000ad72de07627cd27561cd9e6a3985fedb29a5b4a506f2cfacce2c2e7f0d227",  
    "keySize": 2048,  
    "serialNumber": "067a",  
    "validToDate": "2029-01-18T08:39:00.000+00:00",  
    "validTo": 1863419940000,  
    "validFromDate": "2019-01-18T08:39:00.000+00:00",  
    "validFrom": 1547800740000,  
    "signatureAlgorithm": "SHA256withRSA",  
    "extendedValidation": false,  
    "createdDate": "2020-10-06T14:09:51.000+00:00",  
    "dn": "CN=internalleverage.name, O=Will LLC, postalCode=37625,  
STREET=\"44361 Greensmouth, Mayraberg, Vermont 37625\", L=Wernershire,  
ST=PROVINCE, C=CM",  
    "subject": {  
      "organization": "Will LLC",  
      "locality": "Wernershire",  
      "name": "internalleverage.name",  
      "state": "PROVINCE",  
      "country": "CM",  
      "organizationUnit": []  
    },  
    "updateDate": "2022-02-01T17:39:14.000+00:00",  
    "lastFound": 1643737154000,  
    "imported": false,  
    "selfSigned": false,  
    "issuerCategory": "unapproved",  
    "instanceCount": 1,  
  }  
]
```

```
"assetCount": 1,  
"sources": [  
  "VM"  
],  
"assets": [  
  {  
    "id": 48660,  
    "uuid": "141a21b5-f94b-4ee4-a8fe-f6acb17e4da9",  
    "netbiosName": "Margret",  
    "name": "UNKNOWN",  
    "hostInstances": [  
      {  
        "id": 165704,  
        "port": 4443,  
        "fqdn": "",  
        "protocol": "tcp",  
        "grade": "T",  
        "sslProtocols": [  
          "TLSv1.2"  
        ]  
      }  
    ],  
    "assetInterfaces": [  
      {  
        "hostname": "internalexensible.info",  
        "address": "48.2.XX.244"  
      },  
      {  
        "hostname": "internalcross-platform.com",  
        "address": "128.174.XXX.55"  
      },  
      {  
        "hostname": null,  
        "address": "51.124.XX.247"  
      }  
    ],  
    "primaryIp": "51.124.XX.247"  
  }  
],  
{  
  "id": 630669,  
  .  
  .  
  .  
  "imported": false,  
  "selfSigned": true,  
  "issuerCategory": "Self-Signed",  
  "instanceCount": 3,  
}
```



```
"assetCount": 3,  
"sources": [  
  "QAGENT"  
],  
"assets": [  
  {  
    "id": 48835,  
    "uuid": "4b741a73-7785-49cf-b8f5-24c6529bc09a",  
    "netbiosName": "",  
    "name": "domain3.com",  
    "operatingSystem": "NetScaler",  
    "hostInstances": [],  
    "assetInterfaces": [  
      {  
        "hostname": "domain3.com",  
        "address": "3.3.3.3"  
      }  
    ],  
    "tags": [  
      {  
        "name": "Business Units",  
        "uuid": "526812ce-9b89-4349-9928-35536bd7c983"  
      },  
      {  
        "name": "Test Tag",  
        "uuid": "698a070d-bcf4-4ce7-87fd-f8f23aabaad2"  
      },  
      {  
        "name": "Asset Groups",  
        "uuid": "f6ea9e6a-4c55-4ca7-b23c-57df075538fd"  
      }  
    ],  
    "primaryIp": "3.3.3.3"  
  },  
  {  
    "id": 389622,  
    "uuid": "e517abd4-bb18-46c3-b975-95885981f98e",  
    "netbiosName": "",  
    "name": "domain1.com",  
    "operatingSystem": "NetScaler",  
    "hostInstances": [],  
    "assetInterfaces": [  
      {  
        "hostname": "domain1.com",  
        "address": "1.1.1.1"  
      }  
    ],  
    "primaryIp": "1.1.1.1"  
  },  
]
```

```
{
  "id": 377423,
  "uuid": "0cea28b9-fc63-41ed-bfc2-2e89fda3f919",
  "netbiosName": "",
  "name": "domain2.com",
  "operatingSystem": "NetScaler",
  "hostInstances": [],
  "assetInterfaces": [
    .
    .
    .
  ],
  "assetCount": 3,
  "sources": [
    "QAGENT",
    "VM"
  ],
  "assets": [
    {
      "id": 48835,
      "uuid": "4b741a73-7785-49cf-b8f5-24c6529bc09a",
      "netbiosName": "",
      "name": "domain3.com",
      "operatingSystem": "NetScaler",
      "hostInstances": [],
      "assetInterfaces": [
        {
          "hostname": "domain3.com",
          "address": "3.3.3.3"
        }
      ],
      "tags": [
        {
          "name": "Business Units",
          "uuid": "526812ce-9b89-4349-9928-35536bd7c983"
        },
        {
          "name": "Test Tag",
          "uuid": "698a070d-bcf4-4ce7-87fd-f8f23aabaad2"
        },
        {
          "name": "Asset Groups",
          "uuid": "f6ea9e6a-4c55-4ca7-b23c-57df075538fd"
        }
      ],
      "primaryIp": "3.3.3.3"
    },
    {
      "id": 389622,
```

```
"uuid": "e517abd4-bb18-46c3-b975-95885981f98e",
"netbiosName": "",
"name": "domain1.com",
"operatingSystem": "NetScaler",
"hostInstances": [
  {
    "id": 363006,
    "port": 3389,
    "fqdn": "",
    "protocol": "tcp",
    "grade": "C"
  }
],
"assetInterfaces": [
  {
    "hostname": "domain1.com",
    "address": "1.1.1.1"
  }
],
.
.
.
"assetInterfaces": [
  {
    "hostname": "domain2.com",
    "address": "2.2.2.2"
  }
],
"tags": [
  {
    "name": "Test1",
    "uuid": "915a6f7e-e243-4b3c-808c-daabefe0558b"
  }
],
"primaryIp": "2.2.2.2"
}
]
}
```