



Qualys CloudView v1.x

API Release Notes

Version 1.10.0

July 31, 2020 (updated on November 17, 2020)

Qualys CloudView API gives you many ways to integrate your programs and API calls with Qualys capabilities. You'll find all the details in our user guides, available at the time of release. Just log in to your Qualys account and go to Help > Resources.

What's New

[Reports for Microsoft Azure and Google Cloud Platform](#)

URL to the Qualys API Server

Qualys maintains multiple Qualys platforms. The Qualys API server URL that you should use for API requests depends on the platform where your account is located.

Account Location	API Server URL
Qualys US Platform 1	https://qualysguard.qualys.com
Qualys US Platform 2	https://qualysguard.qg2.apps.qualys.com
Qualys US Platform 3	https://qualysguard.qg3.apps.qualys.com
Qualys EU Platform 1	https://qualysguard.qualys.eu
Qualys EU Platform 2	https://qualysapi.qg2.apps.qualys.eu
Qualys India Platform 1	https://qualysguard.qg1.apps.qualys.in
Qualys Canada Platform	https://qualysapi.qg1.apps.qualys.ca
Qualys Private Cloud Platform	<a href="https://qualysapi.<customer_base_url>">https://qualysapi.<customer_base_url>

The Qualys API documentation and sample code use the API server URL for the Qualys US Platform 1. If your account is located on another platform, please replace this URL with the appropriate server URL for your account.

Reports for Microsoft Azure and Google Cloud Platform

APIs affected	/rest/v1/reports/report_data/{reportId} /rest/v1/reports/mandates /rest/v1/reports/policies /rest/v1/reports /rest/v1/reports/{reportId} /rest/v1/reports]
New or Updated APIs	Updated
Operator	GET, POST, PATCH, DELETE

We now support generation of reports for Microsoft Azure as well as Google Cloud Platform (GCP) cloud providers. You can now configure a report template and generate mandate and policy based reports to get the complete picture of the compliance posture of your Microsoft Azure subscriptions as well as GCP projects.

We have now enhanced our Report APIs to support reporting for Microsoft Azure as well as Google Cloud Platform (GCP) cloud providers.

Let us view the API changes in detail.

[Create a Report](#)

[Update a Report](#)

[Get List of All Supported Mandates](#)

[Get List of All Supported Policies](#)

[Get Report Details](#)

[Get Data for Specific Report](#)

Create a Report

You can now generate the mandate-based Report or policy-based report for all cloud providers to view the compliance posture of the organization.

Input Parameters

Parameter	Description
configurationBody	(body) You need to provide the required details in the configurationBody parameter. The syntax for the same is given below: <pre>{ "cloudType": "string", "connectorIds": ["string"], "description": "string", "format": "string", "groupIds": ["string"], "mandateId": "string", "policies": [{ "cloudType": "string", "policyId": "string" }], "title": "string", "type": "string" }</pre> Where, cloudType: the cloud provider (AWS, Azure, or GCP) connectorIds: connector Id description: description of the report format: the report format (only On-Screen format supported) groupIds: unique Id of the (connector) group mandateId: unique Id associated with the mandate. cloudType: the cloud provider (AWS, Azure, or GCP) policyId: unique ID associated with the policy. title: name of the report type: indicates if it is policy report or mandate report.

Sample - Create a mandate reportAPI request:

```
curl -k -X POST -u <username>:<password>
'https://<QualysURL>/cloudview-api/rest/v1/reports
```

Request POST Data:

```
{
  "cloudType": "GCP",
  "connectorIds": [
    "100d7969-371b-308f-a08d-b3442170e378", "3d96ec1d-1624-3cc1-abc6-
dc41d898e532"
  ],
  "description": "string",
  "format": "ON_SCREEN",
  "groupIds": [
    "62edaf7d-4530-324c-be52-372a7acee33e"
  ],
  "mandateId": "2481",
  "policies": [
    {
      "cloudType": "GCP",
      "policyId": "10fffb910-3b6d-11ea-93a5-4d1356013529"
    }
  ],
  "title": "gcppublicapi",
  "type": "MANDATE"
}
```

Response:

```
{
  "title": "gcppublicapi",
  "type": "MANDATE",
  "format": "ON_SCREEN",
  "accounts": [
    {
      "name": "GCP123",
      "id": "100d7969-371b-308f-a08d-b3442170e378",
      "accountId": "my-project-XXXXXXXXXXXX",
      "cloudType": "GCP"
    },
    {
      "name": "connector 2",
      "id": "3d96ec1d-1624-3cc1-abc6-dc41d898e532",
      "accountId": "Demo_GCP",
      "cloudType": "GCP"
    }
  ],
}
```

```
"description": "string",
"policies": [
  {
    "policyId": "10fffb910-3b6d-11ea-93a5-4d1356013529",
    "cloudType": "GCP"
  }
],
"mandateId": "2481",
"createdOn": "2020-07-27T05:07:01+0000",
"cloudType": "GCP",
"groupIds": [
  "62edaf7d-4530-324c-be52-372a7acee33e"
],
"reportId": "01164660-cfc7-11ea-a573-4395559d998e"
}
```

Update a Report

You can update an existing report template to generate a new report.

Input Parameters

Parameter	Description
reportId	Unique identifier associated with every report.
configurationBody	(body) You need to provide the required details in the configurationBody parameter. The syntax for the same is given below: <pre>{ "cloudType": "string", "connectorIds": ["string"], "description": "string", "format": "string", "groupIds": ["string"], "mandateId": "string", "policies": [{ "cloudType": "string", "policyId": "string" }], "title": "string", "type": "string" }</pre> Where, cloudType: the cloud provider (AWS, Azure, or GCP) connectorIds: connector Id description: description of the report format: the report format (only On-Screen format supported) groupIds: unique Id of the (connector) group mandateId: unique Id associated with the mandate. cloudType: the cloud provider (AWS, Azure, or GCP) policyId: unique ID associated with the policy. title: name of the report type: indicates if it is policy report or mandate report.

Sample - Update the configuration of an existing reportAPI request:

```
curl -X PATCH -u <username>:<password> 'Content-Type: application/json'-d
'https://<QualysURL>/cloudview-api/rest/v1/reports/7fb67360-4d40-11e9-
a00f-f18386b5a29f'
```

Request POST Data:

```
{
  "cloudType": "GCP",
  "connectorIds": [
    "100d7969-371b-308f-a08d-b3442170e378"
  ],
  "description": "Update Report",
  "format": "ON_SCREEN",
  "groupIds": [
    "62edaf7d-4530-324c-be52-372a7acee33e"
  ],
  "mandateId": "2481",
  "policies": [
    {
      "cloudType": "GCP",
      "policyId": "10fffb910-3b6d-11ea-93a5-4d1356013529"
    }
  ],
  "title": "gcppublicapi",
  "type": "MANDATE"
}
```

Response:

```
{
  "title": "gcppublicapi",
  "type": "MANDATE",
  "format": "ON_SCREEN",
  "accounts": [
    {
      "name": "GCP123",
      "id": "100d7969-371b-308f-a08d-b3442170e378",
      "accountId": "my-project-1513669048551",
      "cloudType": "GCP"
    }
  ],
  "description": "string",
  "policies": [
    {
      "policyId": "10fffb910-3b6d-11ea-93a5-4d1356013529",
      "cloudType": "GCP"
    }
  ]
}
```

```

    ],
    "mandateId": "2481",
    "createdOn": "2020-07-24T13:54:19+0000",
    "cloudType": "GCP",
    "groupIds": [
        "62edaf7d-4530-324c-be52-372a7acee33e"
    ],
    "reportId": "24c6d800-cdb4-11ea-8fa8-0f89bf5c84f3"
}

```

Get List of All Supported Mandates

We now support 25 mandates and you can fetch the list of all the supported mandates.

Sample - Get the list of all supported mandates

API request:

```

curl -k -X GET -u <username>:<password>
'https://<QualysURL>/cloudview-api/rest/v1/reports/mandates'

```

Response:

```

[
  {
    "id": 2782,
    "name": "CIS Critical Security Controls (Top 5)"
  },
  {
    "id": 2441,
    "name": "Payment Card Industry Data Security Standard (PCI-DSS)"
  },
  {
    "id": 2781,
    "name": "CIS Critical Security Controls (Top 20)"
  },
  {
    "id": 3561,
    "name": "NIST Cyber Security Framework (CSF)"
  },
  {
    "id": 2481,
    "name": "Cloud Controls Matrix (CCM)"
  },
  {
    "id": 3482,
    "name": "Criminal Justice Information Services (CJIS) Security Policy"
  },
]

```

```

{
  "id": 3481,
  "name": "IRS Publication 1075"
},
{
  "id": 3381,
  "name": "Minimum Acceptable Risk Standards for Exchanges (MARS-E)"
},
{
  "id": 2801,
  "name": "APRA Prudential Practice Guide (PPG): CPG 234 - Management of
Security Risk in Information and Information Technology"
},
{
  "id": 2701,
  "name": "Health Insurance Portability and Accountability (HIPAA)
Security Rule"
},
{
  "id": 2722,
  "name": "The Australian Signals Directorate - The Essential 8
Strategies (ASD 8)"
},
{
  "id": 2501,
  "name": "NERC Critical Infrastructure Protection (CIP)"
},
{
  "id": 2721,
  "name": "ANSSI 40 Essential Measures for a Healthy Network"
},
{
  "id": 3501,
  "name": "SWIFT Customer Security Controls Framework - Customer
Security Programme"
},
{
  "id": 2741,
  "name": "Reserve Bank of India (RBI) - Baseline Cyber Security and
Resilience Requirements (Annex 1)"
},
{
  "id": 3401,
  "name": "NCSC Basic Cyber Security Controls (BCSC)"
},
{
  "id": 2443,
  "name": "ISO/IEC 27001:2013"
},

```

```

{
  "id": 2762,
  "name": "NESA UAE Information Assurance Standards (IAS)"
},
{
  "id": 2761,
  "name": "NIST 800-171 (Special Publication)"
},
{
  "id": 3861,
  "name": "Sarbanes-Oxley Act: IT Security"
},
{
  "id": 2605,
  "name": "Federal Risk and Authorization Management Program (FedRAMP M)
- Moderate Security Baseline"
},
{
  "id": 2803,
  "name": "General Data Protection Regulation (GDPR)"
},
{
  "id": 2802,
  "name": "IRDAI Guidelines On Information and Cyber Security for
Insurers"
},
{
  "id": 2604,
  "name": "Federal Risk and Authorization Management Program (FedRAMP H)
- High Security Baseline"
}
]

```

Get List of All Supported Policies

You can fetch the list of all the supported policies in your account.

Input Parameters

Parameter	Description
CloudType	Specify the cloud provider for which you want to fetch all the supported policies. You could mention AWS, AZURE, or GCP.

Sample - Get the list of all the supported policies for

API request:

```
curl -k -X GET -u <username>:<password>
```

'https://<QualysURL>/cloudview-api/rest/v1/reports/policies'

Response:

```
Azure:
[
  {
    "id": "df3597f0-9e29-11e9-bdf0-23c5141152bc",
    "title": "CIS Microsoft Azure Foundations Benchmark",
    "cloudType": "AZURE"
  },
  {
    "id": "f9e43730-aedd-11ea-a4bd-5b1aa4c88a83",
    "title": "Azure Database Service Best Practices Policy",
    "cloudType": "AZURE"
  },
  {
    "id": "44441240-3b6c-11ea-93a5-4d1356013529",
    "title": "Azure Function App Best Practices Policy",
    "cloudType": "AZURE"
  },
  {
    "id": "e6d7e9d0-d476-11e9-bdc5-2f0d02006ccb",
    "title": "Azure Best Practices Policy",
    "cloudType": "AZURE"
  },
  {
    "id": "e48922a0-ca6d-11ea-992e-a7c52eacc973",
    "title": "Policy",
    "cloudType": "AZURE"
  }
]
```

Get Report Details

Specify the report ID and you can then get the details for a specified report.

Input Parameters

Parameter	Description
reportId	Unique identifier associated with every report.

Sample - Get details for specific report

API request:

```
curl -k -X GET -u <username>:<password>
'https://<QualysURL>/cloudview-api/rest/v1/reports/01164660-cfc7-11ea-
```

a573-4395559d998e'

Response:

```
{
  "title": "gcppublicapi",
  "type": "MANDATE",
  "format": "ON_SCREEN",
  "accounts": [
    {
      "name": "GCP123",
      "id": "100d7969-371b-308f-a08d-b3442170e378",
      "accountId": "my-project-1513669048551",
      "cloudType": "GCP"
    },
    {
      "name": "connector 2",
      "id": "3d96ec1d-1624-3cc1-abc6-dc41d898e532",
      "accountId": "gcp-qualys-demo",
      "cloudType": "GCP"
    }
  ],
  "description": "string",
  "policies": [
    {
      "policyId": "10fffb910-3b6d-11ea-93a5-4d1356013529",
      "cloudType": "GCP"
    }
  ],
  "mandateId": "2481",
  "createdOn": "2020-07-27T05:07:01+0000",
  "cloudType": "GCP",
  "groupIds": [
    "62edaf7d-4530-324c-be52-372a7acee33e"
  ],
  "reportId": "01164660-cfc7-11ea-a573-4395559d998e"
}
```

Get Data for Specific Report

Specify the report ID and you can then get the complete data for a specified report.

Input Parameters

Parameter	Description
reportId	Unique identifier associated with every report.

Sample - Get details for specific report

API request:

```
curl -k -X GET -u <username>:<password>
'https://<QualysURL>/cloudview-api/rest/v1/reports//01164660-cfc7-11ea-
a573-4395559d998e'
```

Response:

```
{
  "mandate": {
    "id": 2481,
    "name": "Cloud Controls Matrix (CCM)",
    "publisher": "Cloud Security Alliance (CSA)",
    "version": "Ver 3.0.1",
    "releaseDate": "2016-10-05T00:00:00.000+0000",
    "lastModified": "2018-05-28T11:20:10.000+0000"
  },
  "requirements": [
    {
      "document": {
        "id": 5443,
        "complianceDocumentId": 2481,
        "section": "AIS",
        "comments": "Application & Interface Security",
        "lastModified": "2016-12-21T15:22:45.000+0000"
      },
      ...
    },
    {
      "summary": {
        "mandatesCount": 1,
        "requirementsCount": 16,
        "mandateName": "Cloud Controls Matrix (CCM)",
        "mandatePassPercent": 15.07,
        "accounts": [
          {
            "name": "GCP123",
            "id": "100d7969-371b-308f-a08d-b3442170e378",
            "accountId": "my-project-1513669048551",
            "cloudType": "GCP"
          },
          {
            "name": "connector 2",
            "id": "3d96ec1d-1624-3cc1-abc6-dc41d898e532",
```

```
        "accountId": "gcp-demo",
        "cloudType": "GCP"
    },
    ],
    "controlsCount": 8,
    "totalEvaluationsCount": 292,
    "policiesCount": 1,
    "groups": [
        {
            "groupUuid": "62edaf7d-4530-324c-be52-372a7acee33e",
            "groupName": "sample-azure-grp-1"
        }
    ],
    "cloudType": "GCP"
}
```