



Qualys CloudView v1.x

API Release Notes

Version 1.8.0.0

June 05, 2019

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

[CloudView API URLs updated](#)

[AWS API Updates](#)

[Azure APIs \(New\)](#)

[GCP APIs \(New\)](#)

[Reports API \(New\)](#)

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 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.

CloudView API URLs updated

With the CloudView 1.8, the URLs for all the CloudView REST APIs are updated. The API URLs that currently use 1.5 will be replaced with v1 across all the CloudView API URLs. Additionally, we have also updated the "lastsynch" to "lastSyncedOn" in the response.

Example: Create a connector

Old Path: <https://<QualysURL>/cloudviewapi/rest/1.5/aws/connectors>

New Path: <https://<QualysURL>/cloudview-api/rest/v1/aws/connectors>

The new URL for all APIs is listed below:

API	Old URLs	New URLs
AWS Evaluations		
Get the list of evaluations for an account (GET)	<a href="https://<QualysURL>/cloudview-api/rest/1.5/aws/evaluations/{accountId}">https://<QualysURL>/cloudview-api/rest/1.5/aws/evaluations/{accountId}	<a href="https://<QualysURL>/cloudview-api/rest/v1/aws/evaluations/{accountId}">https://<QualysURL>/cloudview-api/rest/v1/aws/evaluations/{accountId}
Get resource evaluations for an account and control (GET)	<a href="https://<QualysURL>/cloudview-api/rest/1.5/aws/evaluations/{accountId}/resources/{controlId}">https://<QualysURL>/cloudview-api/rest/1.5/aws/evaluations/{accountId}/resources/{controlId}	<a href="https://<QualysURL>/cloudview-api/rest/v1/aws/evaluations/{accountId}/resources/{controlId}">https://<QualysURL>/cloudview-api/rest/v1/aws/evaluations/{accountId}/resources/{controlId}
Connector		
Get the list of connectors (GET)	<a href="https://<QualysURL>/cloudview-api/rest/1.5/aws/connectors">https://<QualysURL>/cloudview-api/rest/1.5/aws/connectors	<a href="https://<QualysURL>/cloudview-api/rest/v1/aws/connectors">https://<QualysURL>/cloudview-api/rest/v1/aws/connectors
Get AWS account ID (GET)	<a href="https://<QualysURL>/cloudview-api/rest/1.5/aws/connectors/qualysAwsAccountId">https://<QualysURL>/cloudview-api/rest/1.5/aws/connectors/qualysAwsAccountId	<a href="https://<QualysURL>/cloudview-api/rest/v1/aws/connectors/awsBaseAccountId">https://<QualysURL>/cloudview-api/rest/v1/aws/connectors/awsBaseAccountId
Get connector details (GET)	<a href="https://<QualysURL>/cloudview-api/rest/1.5/aws/connectors/{connectorId}">https://<QualysURL>/cloudview-api/rest/1.5/aws/connectors/{connectorId}	<a href="https://<QualysURL>/cloudview-api/rest/v1/aws/connectors/{connectorId}">https://<QualysURL>/cloudview-api/rest/v1/aws/connectors/{connectorId}
Get error list (GET)	<a href="https://<QualysURL>/cloudviewapi/rest/1.5/aws/connectors/{connectorId}/errors">https://<QualysURL>/cloudviewapi/rest/1.5/aws/connectors/{connectorId}/errors	<a href="https://<QualysURL>/cloudviewapi/rest/v1/aws/connectors/{connectorId}/errors">https://<QualysURL>/cloudviewapi/rest/v1/aws/connectors/{connectorId}/errors
Create new connector (POST)	<a href="https://<QualysURL>/cloudviewapi/rest/1.5/aws/connectors">https://<QualysURL>/cloudviewapi/rest/1.5/aws/connectors	<a href="https://<QualysURL>/cloudviewapi/rest/v1/aws/connectors">https://<QualysURL>/cloudviewapi/rest/v1/aws/connectors
Update existing connector (PUT)	<a href="https://<QualysURL>/cloudviewapi/rest/1.5/aws/connectors/{connectorId}">https://<QualysURL>/cloudviewapi/rest/1.5/aws/connectors/{connectorId}	<a href="https://<QualysURL>/cloudviewapi/rest/v1/aws/connectors/{connectorId}">https://<QualysURL>/cloudviewapi/rest/v1/aws/connectors/{connectorId}

API	Old URLs	New URLs
Download AWS cloud formation template (GET)	https://<QualysURL>/cloudview-api/rest/1.5/aws/connectors/aws/download	https://<QualysURL>/cloudview-api/rest/v1/aws/connectors/aws/download
Run provided connectors (POST)	https://<QualysURL>/cloudview-api/rest/1.5/aws/connectors/run	https://<QualysURL>/cloudview-api/rest/v1/aws/connectors/run
Delete connectors (DELETE)	https://<QualysURL>/cloudview-api/rest/1.5/aws/connectors	https://<QualysURL>/cloudview-api/rest/v1/aws/connectors

AWS API Updates

Connector Creation in AssetView

Get Account ID

Run Connector

AWS Evaluations

Connector Creation in AssetView

API affected	GET /rest/v1/aws/connectors GET /rest/v1/aws/connectors/{connectorId} POST /rest/v1/aws/connectors PUT /rest/v1/aws/connectors/{connectorId}
New or Updated APIs	Updated
Operator	GET, POST, PUT

We have now added a new element named `isPortalConnector`. The new element is a boolean flag to indicate whether the AWS connector is also created in Portal module or not (Asset View). If not, you can set this element to true and automatically create the same connector in AssetView module. However, if the connector is created in AssetView as well, then the authentication information associated with the connector is linked to CloudView as well. If you update the authentication information for the connector in AssetView, it will automatically reflect in CloudView as well.

Get the list of connectors

Sample - Get list of AWS connectors in user’s account

API request:

```
curl -k -X GET -u <username>:<password>  
'https://<QualysURL>/cloudview-api/rest/v1/aws/connectors?pageNo=1&  
pageSize=50'
```

Response:

```
{  
  "content": [  
    {  
      "name": "My_AWS_connector",  
      "description": "string_change",  
      "awsAccountId": "XXXXXXXXXXXX",  
      "state": "SUCCESS",  
      "totalAssets": 4145,  
    }  
  ]  
}
```

```

        "provider": "AWS",
        "connectorId": "1a1b6fb0-5150-11e9-b42c-7b6f80d86320",
        "error": "",
        "baseAccountId": "XXXXXXXXXXXX",
        "externalId": "1558121756190",
        "arn": "arn:aws:iam::XXXXXXXXXXXX:role/CloudViewAWS",
        "lastSyncedOn": "2019-03-29T11:34:47+0000",
        "portalConnectorUuid": "81098071-d848-4e10-9ffd-efccace8312f",
        "isPortalConnector": true
    }
],
"pageable": {
    "sort": {
        "sorted": false,
        "unsorted": true
    },
    "pageSize": 50,
    "pageNumber": 0,
    "offset": 0,
    "paged": true,
    "unpaged": false
},
"totalElements": 1,
"last": true,
"totalPages": 1,
"first": true,
"sort": {
    "sorted": false,
    "unsorted": true
},
"numberOfElements": 1,
"size": 50,
"number": 0
}

```

Get the details of a connector

Sample - Get details of AWS connectors in user's account

API request:

```

curl -k -X GET -u <username>:<password>
'https://<QualysURL>/cloudview-api/rest/v1/aws/connectors/1a1b6fb0-5150-
11e9-b42c-7b6f80d86320'

```

Response:

```
{
  "name": "My AWS Connector",
  "description": "string_change",
  "awsAccountId": "XXXXXXXXXXXX",
  "state": "SUCCESS",
  "totalAssets": 4148,
  "provider": "AWS",
  "connectorId": "1a1b6fb0-5150-11e9-b42c-7b6f80d86320",
  "baseAccountId": "XXXXXXXXXXXX",
  "externalId": "1558121756190",
  "arn": "arn:aws:iam:XXXXXXXXXXXX:role/CloudViewRole",
  "lastSyncedOn": "2019-03-29T13:32:27+0000",
  "portalConnectorUuid": "7fed674b-704a-4190-b7e5-0fa530ce180a",
  "isPortalConnector": true
}
```

Create AWS connector

API affected	/rest/v1/aws/connectors
New or Updated APIs	Updated
Operator	POST

Specify the connector details such as qualysAccountId, arn, externalId, and create a new connector.

Input Parameters

Parameter	Description
connectorBody	(body) Specify the connector details such as qualysAccountId, arn, externalId, and so on. Refer to the following example for exact syntax. <pre>{ "arn": "string", "description": "string", "externalId": "string", "isPortalConnector": true, "name": "string" }</pre> where, -arn: Specify the ARN of the cross-account role you created in your AWS account. -description is optional and you can give a short description stating the purpose of the connector you want to create. -externalId: Specify the external ID that you have provided in AWS while creating the cross-account role. -isPortalConnector: (boolean). A flag indicating whether the Connector also is created in Portal module or not (Asset View). If the connector is created in AssetView as well, then the authentication information associated with the connector is linked to CloudView as well. If you update the authentication information for the connector in AssetView, it will automatically reflect in CloudView as well. -name is the name for the connector you want to create.

Sample 1 - Create a new AWS Connector

API request:

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

Request POST Data:

```
{
  "arn": "arn:aws:iam::205767712438:role/QualysCloudViewSanketShinde",
  "description": "string",
  "externalId": "1558121756190",
  "isPortalConnector": true,
  "name": "My AWS Connector"
}
```

Response:

```
{
  "name": "My AWS Connector",
  "description": "string",
  "awsAccountId": "XXXXXXXXXXXX",
  "state": "PENDING",
  "totalAssets": 0,
  "provider": "AWS",
  "connectorId": "1a1b6fb0-5150-11e9-b42c-7b8f80d86320",
  "error": "",
  "baseAccountId": "XXXXXXXXXXXX",
  "externalId": "1558121756190",
  "arn": "arn:aws:iam:XXXXXXXXXXXX:role/ClouviewDemoAWS",
  "lastSyncedOn": "2019-03-28T11:53:28+0000",
  "portalConnectorUuid": "0ce0385a-42ec-4623-a90e-097a45c3cf2b",
  "isPortalConnector": true
}
```

Update AWS connector

API affected	/rest/v1/aws/connectors/{connectorId}
New or Updated APIs	Updated
Operator	PUT

You can now update the external ID as well for AWS connectors.

Input Parameters

Parameter	Description
connectorId	(string) Specify the unique Id associated with connector in the user's scope.
connectorBody	(body) Specify the connector details such as qualysAccountId, arn, externalId, and so on. Refer to the following example for exact syntax. <pre>{ "arn": "string", "description": "string", "externalId": "string", "isPortalConnector": false, "name": "string" }</pre> where, -arn: Specify the ARN of the cross-account role you created in your AWS account. -description is optional and you can give a short description stating the purpose of the connector you want to create. -externalId: Specify the external ID that you have provided in AWS while creating the cross-account role. -isPortalConnector: A flag indicating whether the Connector also is created in Portal module or not (Asset View). If the connector is created in AssetView as well, then the authentication information associated with the connector is linked to CloudView as well. If you update the authentication information for the connector in AssetView, it will automatically reflect in CloudView as well. -name is the name for the connector you want to create.

Sample 1 - Update AWS Connector

API request:

```
curl -k -X POST -u <username>:<password>
'https://<QualysURL>/rest/v1/aws/connectors/{connectorId}'
```

Request POST Data:

```
{
  "arn": "arn:aws:iam:XXXXXXXXXXXX:role/CloudViewARNrole",
  "description": "string_change",
  "externalId": "1558121756190",
  "isPortalConnector": true,
  "name": "My updated AWS Connector"
}
```

Response:

```
{
  "name": "My updated AWS Connector",
  "description": "string_change",
  "awsAccountId": "XXXXXXXXXXXX",
  "state": "PENDING",
  "totalAssets": 0,
  "provider": "AWS",
  "connectorId": "1a1b6fb0-5150-11e9-b42c-7b6f80d86320",
  "error": " ",
  "baseAccountId": "XXXXXXXXXXXX",
  "externalId": "1558121756190",
  "arn": "arn:aws:iam:XXXXXXXXXXXX:role/CloudViewARNrole",
  "lastSyncedOn": "2019-03-28T12:01:05+0000",
  "portalConnectorUuid": "81098071-d848-4e10-9ffd-efccace8312f",
  "isPortalConnector": true
}
```

Get Account ID

API affected	/rest/v1/aws/connectors/awsBaseAccountId
New or Updated APIs	Updated
Operator	GET

We have now updated the API URL as well as the response. If there is a base account associated with your connector, the base account Id is reflected in response. Else, the Qualys account Id is displayed.

Old Path: /rest/v1/aws/connectors/**qualysAwsAccountId**

New Path: /rest/v1/aws/connectors/**awsBaseAccountId**

Sample 1 - Fetch Account Id

API request:

```
curl -k -X GET -u <username>:<password>
'https://<QualysURL>/rest/v1/aws/connectors/awsBaseAccountId'
```

Response:

```
{
  "globalAccountId": "XXXXXXXXXXXX",
  "chinaAccountId": null,
  "govAccountId": null,
  "customerGlobalAccount": "false",
  "customerChinaAccount": "false",
```

```
"customerGovAccount": "false"
}
```

Run Connector

API affected	POST /rest/v1/aws/connectors/run
New or Updated APIs	Update
Operator	POST

We have now updated the input parameter to accommodate array of connector IDs for the run request.

Input Parameters

Parameter	Description
ConnectorIds	(Array[string]) Specify the IDs of the connector that you want to execute/run. Example: ["67a51d30-14d4-12e9-aae4-31d950d53bd7"]

Sample 1 - Run a specified connector

API request:

```
curl -k -X POST -u <username>:<password>
-d '["5f83c570-51e6-11e9-bd82-c173b8d28354"]'
'https://<QualysURL>/cloudview-api/rest/v1/aws/connectors/run'
```

Response:

No Content

Response Code: 204

AWS Evaluations

Get the stats for specified control id and resource id (new)

Get the list of evaluations as per the account for AWS Controls (update)

Get the stats for specified control id and resource id (new)

API affected	/rest/v1/aws/evaluations/stats/{controlId}/{resourceId}/{connectorId}
New or Updated APIs	New
Operator	GET

Specify the details such as control ID, resource ID, and connector ID to get the statistics for specified control and resource ID.

Input Parameters

These elements are optional and act as filters. When multiple elements are specified, parameters are combined using a logical AND.

Parameter	Description
controlId	(string) Specify the control ID of a control for which resources evaluated need to be fetched
resourceId	(string) Specify the unique ID of the resource being evaluated.
connectorId	(string) Specify the unique Id associated with the connector in the user's scope.

Sample 1 - Get the statistics for a specified control and resource

API request:

```
curl -k -X GET -u <username>:<password>
'https://<QualysURL>/cloudview-
api/rest/v1/aws/evaluations/stats/48/bizappsbucket/4589d050-3b21-11e9-
9fd1-33f93691751d'
```

Response:

```
{
  "firstEvaluated": "2019-03-07T09:48:13+0000",
  "lastEvaluated": "2019-03-26T08:17:06+0000",
  "dateReopen": "2019-03-25T08:57:17+0000",
  "dateFixed": "2019-03-25T08:51:45+0000"
}
```

Get the list of evaluations as per the account for AWS Controls

API affected	/rest/v1/aws/evaluations/{accountId}
New or Updated APIs	Updated
Operator	GET

Specify the details such as control ID, resource ID, and connector ID to get the statistics for specified control and resource ID.

Input Parameters

These elements are optional and act as filters. When multiple elements are specified, parameters are combined using a logical AND.

Parameter	Description
accountId	(integer) Specify the unique Id associated with your AWS account.
filter	Filter the resources list by providing a query using Qualys syntax. If you do not add a date filter, by default the data for last 7 days is included in the response. If you need data for specific date or date range, form your filter query using evaluatedOn token. Examples Show resources discovered within certain dates evaluatedOn: [2019-01-01 ... 2019-03-01] Show resources updated starting 2019-01-01, ending 1 month ago evaluatedOn: [2019-01-01 ... now-1m] Show resources updated starting 2 weeks ago, ending 1 second ago evaluatedOn: [now-2w ... now-1s] Show resources discovered on specific date evaluatedOn: 2019-01-08

Sample 1 - Get the list of evaluations as per the account for AWS Controls

API request:

```
curl -k -X GET -u <username>:<password>  
'https://<QualysURL>/cloudview-api/rest/v1/aws/evaluations/888888888888'
```

Response:

```
{
  "content": [
    {
      "controlName": "Ensure multi-factor authentication (MFA) is enabled
for all IAM users that have a console password",
      "policyName": "CIS Amazon Web Services Foundations Benchmark",
      "criticality": "HIGH",
      "service": "IAM",
      "result": "FAIL",
      "controlId": "1",
      "passedResources": 6,
      "failedResources": 32
    },
    {
      "controlName": "Ensure console credentials unused for 90 days or
greater are disabled",
      "policyName": "CIS Amazon Web Services Foundations Benchmark",
      "criticality": "HIGH",
      "service": "IAM",
      "result": "FAIL",
      "controlId": "2",
      "passedResources": 8,
      "failedResources": 30
    },
    ...
    {
      "controlName": "Ensure that all the expired SSL/TLS certificates
stored in AWS IAM are removed",
      "policyName": "AWS Best Practices Policy",
      "criticality": "HIGH",
      "service": "IAM",
      "result": "FAIL",
      "controlId": "68",
      "passedResources": 1,
      "failedResources": 3
    }
  ],
  "pageable": {
    "sort": {
      "unsorted": true,
      "sorted": false
    },
    "pageSize": 100,
    "pageNumber": 0,
  }
}
```

```
    "offset": 0,  
    "paged": true,  
    "unpaged": false  
  },  
  "last": true,  
  "totalElements": 68,  
  "totalPages": 1,  
  "first": true,  
  "sort": {  
    "unsorted": true,  
    "sorted": false  
  },  
  "numberOfElements": 68,  
  "size": 100,  
  "number": 0  
}
```

Azure APIs (New)

We have now introduced APIs for your Azure Connectors. We support the following operations and evaluations for your Azure Connector.

[Get list of connectors](#)

[Get the details of Azure connector](#)

[Create a new Azure connector](#)

[Run the specified Azure connector](#)

[Update the existing Azure connector](#)

[Delete the Azure connectors](#)

[Azure Evaluations](#)

Get list of connectors

API affected	/rest/v1/azure/connectors
New or Updated APIs	New
Operator	GET

List all Azure connectors in the user's account.

Input Parameters

Parameter	Description
pageNo	(integer) The page to be returned.
pageSize	(integer) The number of records per page to be included in the response.

Sample 1 - Get list of Azure connectors in user's account

API request:

```
curl -k -X GET -u <username>:<password>
'https://<QualysURL>/cloudview-api/rest/v1/azure/connectors?pageNo=1&
pageSize=50'
```

Response:

```
{
  "content": [
    {
      "name": "My_Azure_Connector",
```

```

    "description": "Test description",
    "state": "SUCCESS",
    "lastSyncedOn": "2019-03-20T12:28:08+0000",
    "totalAssets": 44,
    "applicationId": "d8c3a45a-e6f9-449e-8a54-2416e2d61aec",
    "subscriptionId": "XXXXXXXX-XXXX-XXXX-XXXX-XXXXXXXXXXXX",
    "provider": "AZURE",
    "connectorId": "8e12a7f0-9cae-11e8-a44e-19034c3d27a6",
    "directoryId": "ff4e2413-65ab-4dc2-9e5b-1ea02d3d94eb"
  },
  {
    "name": "Azure_test_connector",
    "description": "Test description",
    "state": "PENDING",
    "lastSyncedOn": "2019-03-20T12:13:04+0000",
    "totalAssets": 0,
    "regions": [],
    "totalRegions": 30,
    "applicationId": "e8c3a45a-e6f8-449e-8a54-2416e2d61aec",
    "subscriptionId": "XXXXXXXX-XXXX-XXXX-XXXX-XXXXXXXXXXXX",
    "provider": "AZURE",
    "connectorId": "640ef080-4a5f-11e9-a7fb-4d1a3748cc16",
    "directoryId": "ee4e2413-65ab-4dc2-9e5b-1ea02d3d94eb"
  }
],
"pageable": {
  "sort": {
    "unsorted": true,
    "sorted": false
  },
  "pageSize": 50,
  "pageNumber": 0,
  "offset": 0,
  "paged": true,
  "unpaged": false
},
"totalPages": 1,
"totalElements": 2,
"last": true,
"first": true,
"sort": {
  "unsorted": true,
  "sorted": false
},
"numberOfElements": 2,
"size": 50,
"number": 0
}

```

Get the details of Azure connector

API affected	/rest/v1/azure/connectors/{connectorId}
New or Updated APIs	New
Operator	GET

View details for a specific Azure connector which is in the user's scope.

Input Parameters

Parameter	Description
connectorId	(string) Specify the unique Id associated with connector in the user's scope.

Sample 1 - Get details of a specific Azure connector in user's account

API request:

```
curl -k -X GET -u <username>:<password>
'https://<QualysURL>/cloudview-api/rest/v1/azure/connectors/67a51d30-14d4-12e9-aae4-31d950d53bd8'
```

Response:

```
{
  "name": "My Test Connector",
  "description": "This is test description",
  "state": "SUCCESS",
  "lastSyncedOn": "2019-03-20T12:28:08+0000",
  "totalAssets": 44,
  "applicationId": "d8c3a45a-e6f9-449e-8a54-2416e2d61aec",
  "subscriptionId": "XXXXXXXX-XXXX-XXXX-XXXX-XXXXXXXXXXXX",
  "provider": "AZURE",
  "connectorId": "8e12a7f0-9cae-11e8-a44e-19034c3d27a6",
  "directoryId": "ff4e2413-65ab-4dc2-9e5b-1ea02d3d94eb"
}
```

Create a new Azure connector

API affected	/rest/v1/azure/connectors
New or Updated APIs	New
Operator	POST

Specify the connector details such as application Id, authenticationKey, description, directoryId, name, and subscription Id of your Azure account and create a new connector.

Permissions:

Input Parameters

Parameter	Description
connectorBody	(body) Specify the connector details such as application Id, authenticationKey, description, directoryId, name, and subscription Id of your Azure account and so on. Refer to the following example for exact syntax. <pre>{ "applicationId": "string", "authenticationKey": "string", "description": "string", "directoryId": "string", "name": "string", "subscriptionId": "string" }</pre> Where, -applicationId: Unique identifier of the application you create on Azure portal. -authenticationKey: The secret key generated after you provide permission to the application to access the Windows Azure Service. -description is optional and you can give a short description stating the purpose of the connector you want to create. -directoryId: Unique identifier of your Azure Active Directory. -name is the name for the connector you want to create. -subscriptionId: Unique identifier of your Microsoft Azure subscription.

Sample 1 - Create a new Azure Connector

API request:

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

Request POST Data:

```
{
  "applicationId": "d8c3a66a-e6f9-449e-8a54-2416e2d61aec", \
  "authenticationKey": "XXXXXXXXXXXXXXXXX", \
  "description": "This is test description", \
  "directoryId": "ff4e2442-65ab-4dc2-9e5b-1ea02d3d94eb", \
  "name": "My Azure Connector", \
  "subscriptionId": "XXXXXXXX-XXXX-XXXX-XXXX-XXXXXXXXXXXX" \
}
```

Response:

```
{
  "name": "My Azure Connector",
  "description": "This is test description",
  "state": "PENDING",
  "totalAssets": 0,
  "applicationId": "d8c3a66a-e6f9-449e-8a54-2416e2d61aec",
  "subscriptionId": "string2345",
  "provider": "AZURE",
  "connectorId": "674292e0-5223-11e9-be90-4dfe52eda963",
  "lastSyncedOn": "2019-03-29T01:06:23+0000",
  "directoryId": "ff4e2442-65ab-4dc2-9e5b-1ea02d3d94eb"
}
```

Run the specified Azure connector

API affected	/rest/v1/azure/connectors/run
New or Updated APIs	New
Operator	POST

Specify the ID of the connectors that you want to run.

Input Parameters

Parameter	Description
connectorIds	(Array[string]) Specify the IDs of the connector that you want to execute/run. Example: ["67a51d30-14d4-12e9-aae4-31d950d53bd7"]

Sample 1 - Run the specified Azure connector

API request:

```
curl -k -X GET -u <username>:<password> -d '["67a51d30-14d4-12e9-aae4-
```

```
31d950d53bd8"]'
'https://<QualysURL>/cloudview-api/rest/v1/azure/connectors
```

Response:
No Content.
Response Code: 204

Update the existing Azure connector

API affected	/rest/v1/azure/connectors/{connectorId}
New or Updated APIs	New
Operator	PUT

Specify the connector ID and the details of the connector that you would want to update in the connectorBody parameter. Your connector details get updated.

Input Parameters

Parameter	Description
connectorId	(string) Specify the unique Id associated with connector in the user's scope.
connectorBody	(body) Specify only those connector details that you want to update. Refer to the following example for syntax. <pre>{ "applicationId": "string", "authenticationKey": "string", "description": "string", "directoryId": "string", "name": "string", }</pre> Where, - applicationId : Unique identifier of the application you create on Azure portal. - authenticationKey : The secret key generated after you provide permission to the application to access the Windows Azure Service. - description is optional and you can give a short description stating the purpose of the connector you want to create. - directoryId : Unique identifier of your Azure Active Directory. - name is the name for the connector you want to create.

Sample 1 - Update Azure connector details in user's account

API request:

```
curl -k -X GET -u <username>:<password>
{
  "description": "Change in description",
  }'
'https://<QualysURL>/cloudview-api/rest/v1/azure/connectors/7d80a840-40b6-11e9-9078-111111111111'
```

Response:

```
{
  "name": "Azure-Connector",
  "description": "Change in description",
  "state": "PENDING",
  "totalAssets": 0,
  "applicationId": "d8c3a45a-e6f9-449e-8a54-2416e2d61aec",
  "subscriptionId": "1d767489-da0c-4948-a285-bf2c708c0586",
  "provider": "AZURE",
  "connectorId": "7d80a840-40b6-11e9-9078-111111111111",
  "lastSyncedOn": "2019-03-28T09:20:13+0000",
  "directoryId": "ff4e2413-65ab-4dc2-9e5b-1ea02d3d94eb"
}
```

Delete the Azure connectors

API affected	/rest/v1/azure/connectors
New or Updated APIs	New
Operator	DELETE

Delete the specified connector which is in the user's scope.

Input Parameters

Parameter	Description
connectorIds	(Array[string]) Specify the unique Id associated with connector in the user's scope. Example: ["67a51d30-14d4-12e9-aae4-31d950d53bd7"]

Sample 1 - Delete an Azure Connector

API request:

```
curl -k -X DELETE -u <username>:<password>
-d '["848773c0-4c8d-11e9-aa06-c175133bd182"]'
'https://<QualysURL>/cloudview-api/rest/v1/azure/connectors'
```

Response:

No Content
Response Code: 204

Azure Evaluations

- Get the stats for specified control id and resource id
- Get the list of evaluations as per the account for Azure Controls
- Get the resources evaluated for the specified Azure account and control id

Get the stats for specified control id and resource id

API affected	/rest/v1/gcp/evaluations/stats/{controlId}/{resourceId}/{connectorId}
New or Updated APIs	New
Operator	GET

Specify the details such as control ID, resource ID, and connector ID to get the statistics for specified control and resource ID.

Input Parameters

Parameter	Description
controlId	(string) Specify the control ID of a control for which resources evaluated need to be fetched
resourceId	(string) Specify the unique ID of the resource being evaluated.
connectorId	(string) Specify the unique Id associated with the connector in the user's scope.

Sample 1 - Get the statistics for a specified control and resource

API request:

```
curl -k -X GET -u <username>:<password>  
'https://<QualysURL>/cloudview-api/rest/v1/azure/evaluations/stats/50035/  
assertion_USPOD02-vnet/742a20d0-4032-22e9-a677-053d7c82d8a3'
```

Response:

```
{  
  "firstEvaluated": "2019-03-08T23:01:10+0000",  
  "lastEvaluated": "2019-03-22T12:07:05+0000",  
  "dateReopen": "2019-03-25T08:57:17+0000",  
  "dateFixed": "2019-03-25T08:51:45+0000"  
}
```

Get the list of evaluations as per the account for Azure Controls

API affected	/rest/v1/azure/evaluations/{subscriptionId}
New or Updated APIs	New
Operator	GET

Specify the details such as control ID, resource ID, and connector ID to get the statistics for specified control and resource ID.

Input Parameters

Parameter	Description
subscriptionId	(string) Specify the unique Id associated with your Azure subscription.
filter	Filter the resources list by providing a query using Qualys syntax. If you do not add a date filter, by default the data for last 7 days is included in the response. If you need data for specific date or date range, form your filter query using evaluatedOn token. Examples Show resources discovered within certain dates evaluatedOn: [2019-01-01 ... 2019-03-01] Show resources updated starting 2019-01-01, ending 1 month ago evaluatedOn: [2019-01-01 ... now-1m] Show resources updated starting 2 weeks ago, ending 1 second ago evaluatedOn: [now-2w ... now-1s] Show resources discovered on specific date evaluatedOn: 2019-01-08

Sample 1 - Get all or filter the evaluations for your account

API request:

```
curl -k -X GET -u <username>:<password>  
'https://<QualysURL>/cloudview-api/rest/v1/azure/evaluations/11111111-  
1111-1111-1111-111111111111?filter=control.result%3APASS'
```

Response:

```
{  
  "content": [  
    {  
      "controlName": "Ensure that Adaptive Application Controls is set to  
On",  
      "policyName": "CIS Microsoft Azure Foundations Benchmark",  
      "criticality": "HIGH",  
      "service": "SECURITY_CENTER",  
      "result": "PASS",
```

```
        "controlId": "50003",
        "passedResources": 1,
        "failedResources": 0
      },
      ...
    "pageable": {
      "sort": {
        "unsorted": true,
        "sorted": false
      },
      "pageSize": 100,
      "pageNumber": 0,
      "offset": 0,
      "unpaged": false,
      "paged": true
    },
    "totalElements": 16,
    "totalPages": 1,
    "last": true,
    "first": true,
    "sort": {
      "unsorted": true,
      "sorted": false
    },
    "numberOfElements": 16,
    "size": 100,
    "number": 0
  }
}
```

Get the resources evaluated for the specified Azure account and control id

API affected	/rest/v1/azure/evaluations/{subscriptionId}/resources/{controlId}
New or Updated APIs	New
Operator	GET

Specify the details such as control ID, resource ID, and connector ID to get the statistics for specified control and resource ID.

Input Parameters

Parameter	Description
controlId	(string) Specify the control ID of a control for which resources evaluated need to be fetched.
resourceId	(string) Specify the unique ID of the resource being evaluated.
connectorId	(string) Specify the unique Id associated with the connector in the user's scope.
pageNo	(integer) The page to be returned.
pageSize	(integer) The number of records per page to be included in the response.

Sample 1 - Get evaluations for specific control and Azure account

API request:

```
curl -X GET --header 'Accept: application/json' --header 'Authorization: Basic VVNFUk5BTUU6UEFTUldPUkQ=' 'https://<QualysURL>/cloudview-api/rest/v1/azure/evaluations/11111111-1111-1111-1111-111111111111/resources/50001?pageNo=0&pageSize=50'
```

Response:

```
{
  "content": [
    {
      "resourceId": "TestResource",
      "subscriptionId": "XXXXXXXX-XXXX-XXXX-XXXX-XXXXXXXXXXXX",
      "evaluatedOn": "2019-03-22T11:06:07+0000",
      "evidences": [
        {
          "settingName": "Data Encryption",
          "actualValue": "On",
          "expectedValue": ""
        }
      ],
      "resourceType": "SQL_SERVER_DATABASE",
      "result": "PASS",
      "evaluationDates": {
        "firstEvaluated": "2019-03-13T15:02:07+0000",
        "lastEvaluated": "2019-03-22T11:06:07+0000",
        "dateReopen": null,
        "dateFixed": null
      }
    },
    {
      "resourceId": "dnd-automation-mcheck-pass",
```

```

"subscriptionId": "XXXXXXXX-XXXX-XXXX-XXXX-XXXXXXXXXXXX",
"evaluatedOn": "2019-03-22T11:06:08+0000",
"evidences": [
  {
    "settingName": "Data Encryption",
    "actualValue": "On",
    "expectedValue": ""
  }
],
"resourceType": "SQL_SERVER_DATABASE",
"result": "PASS",
"evaluationDates": {
  "firstEvaluated": "2019-03-13T15:02:09+0000",
  "lastEvaluated": "2019-03-22T11:06:08+0000",
  "dateReopen": null,
  "dateFixed": null
}
}
],
"pageable": {
  "sort": {
    "unsorted": true,
    "sorted": false
  },
  "pageSize": 50,
  "pageNumber": 0,
  "offset": 0,
  "unpaged": false,
  "paged": true
},
"totalElements": 2,
"totalPages": 1,
"last": true,
"first": true,
"sort": {
  "unsorted": true,
  "sorted": false
},
"numberOfElements": 2,
"size": 50,
"number": 0
}

```

GCP APIs (New)

We support the following operations for GCP Connector.

[Get list of GCP connectors](#)

[Get the details of a specified GCP connector](#)

[Create a new GCP connector](#)

[Run the specified GCP connector](#)

[Update the existing GCP connector](#)

[Delete the specified GCP connectors](#)

[GCP Evaluations](#)

Get list of GCP connectors

API affected	/rest/v1/gcp/connectors
New or Updated APIs	New
Operator	GET

List all GCP connectors in the user's account.

Input Parameters

Parameter	Description
pageNo	(integer) The page to be returned.
pageSize	(integer) The number of records per page to be included in the response.

Sample 1 - Get list of GCP connectors in user's account

API request:

```
curl -k -X GET -u <username>:<password>  
'https://<QualysURL>/cloudview-api/rest/v1/gcp/connectors?pageNo=1&  
pageSize=50'
```

Response:

```
{  
  "content": [  
    {  
      "name": "GCP Connector 1",  
      "description": "Test GCP Connector",
```

```

    "state": "SUCCESS",
    "totalAssets": 24,
    "projectId": "XXXXXXX-XXXXXX-XXXXXX",
    "provider": "GCP",
    "connectorId": "1111a111-1111-11a1-a1a1-1a1a1111111",
    "lastSyncedOn": "2019-03-22T05:53:05+0000"
  },
  {
    "name": "GCP Connector 2",
    "description": "This is for test purposes",
    "state": "SUCCESS",
    "totalAssets": 115,
    "projectId": "XXXXXXX-XXXXXX-XXXXXX",
    "provider": "GCP",
    "connectorId": "1111b111-1111-11b1-b1b1-1bb1b1111111",
    "lastSyncedOn": "2019-03-22T06:29:05+0000"
  }
],
"pageable": {
  "sort": {
    "unsorted": true,
    "sorted": false
  },
  "pageSize": 50,
  "pageNumber": 0,
  "offset": 0,
  "paged": true,
  "unpaged": false
},
"totalElements": 2,
"last": true,
"totalPages": 1,
"first": true,
"sort": {
  "unsorted": true,
  "sorted": false
},
"numberOfElements": 2,
"size": 50,
"number": 0
}

```

Get the details of a specified GCP connector

API affected	/rest/v1/gcp/connectors/{connectorId}
New or Updated APIs	New
Operator	GET

View details for a specific GCP connector which is in the user's scope.

Input Parameters

Parameter	Description
connectorId	(string) Specify the unique Id associated with connector in the user's scope.

Sample 1 - Get details of a specific GCP connector in user's account

API request:

```
curl -k -X GET -u <username>:<password>
'https://<QualysURL>/cloudview-api/rest/v1/gcp/connectors/1111a111-1111-11a1-aa1a11111111'
```

Response:

```
{
  "name": "GCP Connector",
  "description": "Get connector details",
  "state": "SUCCESS",
  "totalAssets": 115,
  "projectId": "my-project-1524669048661",
  "provider": "GCP",
  "connectorId": "1111a111-1111-11a1-aa1a11111111",
  "lastSyncedOn": "2019-03-22T08:43:09+0000"
}
```

Create a new GCP connector

API affected	/rest/v1/gcp/connectors
New or Updated APIs	New
Operator	POST

Specify the connector details such as name, description and upload the configuration (JSON) file and create a new connector.

Input Parameters

Parameter	Description
name	Name of the connector
description	Description of the connector
configFile	Provide the configuration file.

Sample 1 - Create a new GCP Connector

API request:

```
curl -k -X POST -d <username>:<password> 'Content-Type: multipart/form-data' --header 'Accept: application/json' -F name=My%20GCP%20Connector -F description=My%20GCP%20Connector 'https://<QualysURL>/cloudview-api/rest/v1/gcp/connectors'
```

Note: Upload the configuration file required for GCP connector creation.

Response:

```
{
  "name": "My GCP Connector",
  "description": "My GCP Connector",
  "state": "PENDING",
  "totalAssets": 0,
  "projectId": "my-project-111111111111",
  "provider": "GCP",
  "connectorId": "1111a111-1111-11a1-ala1-1aa1a1111111",
  "lastSyncedOn": "2019-03-28T10:14:14+0000"
}
```

Run the specified GCP connector

API affected	/rest/v1/gcp/connectors/run
New or Updated APIs	New
Operator	POST

Specify the connector details and run the specified GCP connector.

Input Parameter

Parameter	Description
connectorIds	(Array [string]) Specify the unique Id associated with connector in the user's scope.

Sample 1 - Run the specified GCP connector

API request:

```
curl -k -X POST -d <username>:<password> -d "['1111a111-1111-11a1-a1a1-1a1a11111111']"
'https://<QualysURL>/cloudview-api/rest/v1/gcp/connectors/run'
```

Response:

No Content

Response Code: 204

Update the existing GCP connector

API affected	/rest/v1/gcp/connectors/{connectorId}
New or Updated APIs	New
Operator	PUT

Specify the connector details you want to update.

Input Parameters

Parameter	Description
connectorId	(string) Specify the unique Id associated with connector in the user's scope.
name	Name of the connector.
description	Description of the connector.
configFile	Provide the configuration file.

Sample 1 - Update the GCP connector

You can update either one or multiple elements of the GCP connector.

API request:

```
curl -k -X PUT -u <username>:<password> -F name=Change_name_GCP -F
'https://<QualysURL>/cloudview-api/rest/v1/gcp/connectors/1f325070-5152-
```

11e9-8cf3-e3dcac181204'

Response:

```
{
  "name": "Change_name_GCP",
  "description": "Test description",
  "state": "PENDING",
  "totalAssets": 0,
  "projectId": "my-project-111111111111",
  "provider": "GCP",
  "connectorId": "1f325070-5152-11e9-8cf3-e3dcac181204",
  "lastSyncedOn": "2019-03-28T12:09:36+0000"
}
```

Delete the specified GCP connectors

API affected	/rest/v1/gcp/connectors
New or Updated APIs	New
Operator	DELETE

Specify the connector Id of your GCP connector and you can then delete the specified GCP connector.

Input Parameters

Parameter	Description
connectorIds	(Array [string]) Specify the unique Id associated with connector in the user's scope.

Sample 1 - Delete the GCP connector

API request:

```
curl -k -X DELETE -u <username>:<password>
-d '["1d767489-da0c-4948-a285-bf2c708c0585"]'
'https://<QualysURL>/cloudview-api/rest/v1/gcp/connectors'
```

Response:

No Content

Response Code: 204

GCP Evaluations

Get the stats for specified control id and resource id

Get the list of evaluations per account for GCP controls

Get the resources evaluated for the specified GCP account and control id

Get the stats for specified control id and resource id

API affected	/rest/v1/gcp/evaluations/stats/{controlId}/{resourceId}/{connectorId}
New or Updated APIs	New
Operator	GET

Specify the details such as control ID, resource ID, and connector ID to get the statistics for specified control and resource ID.

Input Parameters

Parameter	Description
controlId	(string) Specify the control ID of a control for which resources evaluated need to be fetched
resourceId	(string) Specify the unique ID of the resource being evaluated.
connectorId	(string) Specify the unique ID of the connector associated with the resource being evaluated.

Sample 1 - Get the statistics for a specific control evaluated on a specific resource

API request:

```
curl -k -X GET -u <username>:<password> 'Accept: application/json' --
'https://<QualysURL>/cloudview-api/rest/v1/gcp/evaluations/stats/52019/
3156296211597617506/1111a111-1111-11a1-a1a1-1a1a11111111'
```

Response:

```
{
  "firstEvaluated": "2019-03-29T05:56:00+0000",
  "lastEvaluated": "2019-03-29T08:10:58+0000",
  "dateReopen": "2019-03-29T08:10:58+0000",
  "dateFixed": "2019-03-29T06:09:05+0000"
}
```

Get the list of evaluations per account for GCP controls

API affected	/rest/v1/gcp/evaluations/{projectId}
New or Updated APIs	New
Operator	GET

Specify the details such as project ID and filter details to get the list of evaluations for GCP control.

Input Parameters

These elements are optional and act as filters. When multiple elements are specified, parameters are combined using a logical AND.

Parameter	Description
projectId	Specify the unique projectId of your account in the user's scope.
filter	Filter the resources list by providing a query using Qualys syntax. If you do not add a date filter, by default the data for last 7 days is included in the response. If you need data for specific date or date range, form your filter query using evaluatedOn token. Examples Show resources discovered within certain dates evaluatedOn: [2019-01-01 ... 2019-03-01] Show resources updated starting 2019-01-01, ending 1 month ago evaluatedOn: [2019-01-01 ... now-1m] Show resources updated starting 2 weeks ago, ending 1 second ago evaluatedOn: [now-2w ... now-1s] Show resources discovered on specific date evaluatedOn: 2019-01-08

Sample 1 - Get the list of evaluations per account for GCP controls

API request:

```
curl -X GET -u <username>:<password> 'https://<QualysURL>/cloudview-api/rest/v1/gcp/evaluations/my-project-
```

11111111111111'

Response:

```
{
  "content": [
    {
      "controlName": "Ensure that there are only GCP-managed service
account keys for each service account",
      "policyName": " CIS Google Cloud Platform Foundation Benchmark",
      "criticality": "HIGH",
      "service": "IAM",
      "result": "FAIL",
      "controlId": "52001",
      "passedResources": 13,
      "failedResources": 25
    },
    ...
  ],
  "pageable": {
    "sort": {
      "sorted": false,
      "unsorted": true
    },
    "pageSize": 100,
    "pageNumber": 0,
    "offset": 0,
    "paged": true,
    "unpaged": false
  },
  "totalElements": 18,
  "last": true,
  "totalPages": 1,
  "first": true,
  "sort": {
    "sorted": false,
    "unsorted": true
  },
  "numberOfElements": 18,
  "size": 100,
  "number": 0
}
```

Get the resources evaluated for the specified GCP account and control id

API affected	/rest/v1/gcp/evaluations/{projectId}/resources/{controlId}
New or Updated APIs	New
Operator	GET

Specify the details such as project Id, control Id and define your filter criteria to get the list of resources that were evaluated

Input Parameters

These elements are optional and act as filters. When multiple elements are specified, parameters are combined using a logical AND.

Parameter	Description
projectId	(string) Specify the project Id of a specific account in the user's scope.
controlId	(string) Specify the control ID of a control for which resources evaluated need to be fetched
filter	Filter the resources list by providing a query using Qualys syntax. If you do not add a date filter, by default the data for last 7 days is included in the response. If you need data for specific date or date range, form your filter query using evaluatedOn token. Examples Show resources discovered within certain dates evaluatedOn: [2019-01-01 ... 2019-03-01] Show resources updated starting 2019-01-01, ending 1 month ago evaluatedOn: [2019-01-01 ... now-1m] Show resources updated starting 2 weeks ago, ending 1 second ago evaluatedOn: [now-2w ... now-1s] Show resources discovered on specific date evaluatedOn: 2019-01-08
pageNo	(integer) The page to be returned.

Parameter	Description
pageSize	(integer) The number of records per page to be included in the response.

Sample 1 - Get the resources evaluated for the specified GCP account and control id

API request:

```
curl -k -X GET -u <username>:<password> '
'https://<QualysURL>/cloudview-api/rest/v1/gcp/evaluations/my-project-
111111111111/resources/50010?pageNo=1&pageSize=50'
```

Response:

```
{
  "content": [
    {
      "controlName": "Ensure that there are only GCP-managed service
account keys for each service account",
      "policyName": " CIS Google Cloud Platform Foundation Benchmark",
      "criticality": "HIGH",
      "service": "IAM",
      "result": "FAIL",
      "controlId": "52001",
      "passedResources": 13,
      "failedResources": 25
    }
  ],
  "pageable": {
    "sort": {
      "sorted": false,
      "unsorted": true
    },
    "pageSize": 100,
    "pageNumber": 0,
    "offset": 0,
    "paged": true,
    "unpaged": false
  },
  "totalElements": 1,
  "last": true,
  "totalPages": 1,
  "first": true,
  "sort": {
    "sorted": false,
    "unsorted": true
  },
  "numberOfElements": 1,
  "size": 100,
```

```
    "number": 0  
}
```

Reports API (New)

We support the following operations for Reports API.

- Get list of report configurations
- Get list of all supported mandates
- Get list of all supported policies
- Get the complete data of the specified report
- Get the details of specified report configuration
- Create a new report configuration
- Update the existing report configurations
- Delete the provided report configurations

Get list of report configurations

API affected	/rest/v1/reports
New or Updated APIs	New
Operator	GET

You can fetch all the list of report configurations.

Input Parameters.

Parameter	Description
pageNo	(integer) The page to be returned.
pageSize	(integer) The number of records per page to be included in the response.

Sample 1 - Get the list of report configurations

API request:

```
curl -k -X GET -u <username>:<password>  
'https://<QualysURL>/cloudview-api/rest/v1/reports?pageNo=1&pageSize=3'
```

Response:

```
{  
  "content": [  
    {  
      "reportId": "84685b50-4d43-11e9-9496-d5e5ac80c6e2",
```

```
"title": "Mandate_Report",
"type": "MANDATE",
"format": "ON_SCREEN",
"accounts": [
{
"name": "User_John",
"id": "5a4f0630-39ab-11e9-a7c7-6f7103922bbf",
"accountId": "111111111111",
"cloudType": "AWS"
},
...
"pageable": {
"sort": {
"sorted": false,
"unsorted": true
},
"pageSize": 6,
"pageNumber": 0,
"offset": 0,
"paged": true,
"unpaged": false
},
"last": false,
"totalPages": 2,
"totalElements": 11,
"first": true,
"sort": {
"sorted": false,
"unsorted": true
},
"numberOfElements": 6,
"size": 6,
"number": 0
}
```

Get list of all supported mandates

API affected	/rest/v1/reports/mandates
New or Updated APIs	New
Operator	GET

You can fetch the list of all the supported mandates.

Sample 1 - 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": 2481,  
    "name": "Cloud Controls Matrix (CCM)"  
  },  
  {  
    "id": 2441,  
    "name": "Payment Card Industry Data Security Standard (PCI-DSS)"  
  },  
  {  
    "id": 2443,  
    "name": "ISO/IEC 27001:2013"  
  }  
]
```

Response Code: 200

Get list of all supported policies

API affected	/rest/v1/reports/policies
New or Updated APIs	New
Operator	GET

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

Sample 1 - Get the list of all the supported policies for your account

API request:

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

Response:

```
[  
  {  
    "id": "1b8a3200-dbb3-11e7-b820-0518e3f8c979",  
    "title": "AWS Best Practices Policy",  
    "cloudType": "AWS"
```

```
    },  
    {  
      "id": "68dc5320-8677-11e8-9d84-85bffa8eeea9",  
      "title": "CIS Amazon Web Services Foundations Benchmark",  
      "cloudType": "AWS"  
    }  
  ]  
}
```

Response Code: 200

Get the complete data of the specified report

API affected	/rest/v1/reports/report_data/{reportId}
New or Updated APIs	New
Operator	GET

Specify the report ID and you can then get the complete report.

Input Parameter

Parameter	Description
reportId	Unique identifier associated with every report.

Sample 1 - Get the complete data of specified report

API request:

```
curl -k -X GET -u <username>:<password>  
'https://<QualysURL>/cloudview-api/rest/v1/reports/b81d8331-506d-11e9-  
ba0b-2d8c133f77e9'
```

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,  
        "name": "AWS Well-Architected Framework",  
        "publisher": "AWS",  
        "version": "2016",  
        "releaseDate": "2016-03-01T00:00:00.000+0000",  
        "lastModified": "2018-05-28T11:20:10.000+0000"  
      },  
      "id": 5443,  
      "name": "AWS Well-Architected Framework",  
      "publisher": "AWS",  
      "version": "2016",  
      "releaseDate": "2016-03-01T00:00:00.000+0000",  
      "lastModified": "2018-05-28T11:20:10.000+0000"  
    }  
  ]  
}
```

```

"complianceDocumentId": 2481,
"section": "AIS",
"comments": "Application & Interface Security",
"lastModified": "2016-12-21T15:22:45.000+0000"
},
"requirements": [
{
"document": {
"id": 5444,
"complianceDocumentId": 2481,
"section": "AIS-01",
"comments": "Application Security",
"pid": 5443,
"lastModified": "2016-12-21T15:22:45.000+0000"
},
,
"controlObjectives": [
{
"document": {
"id": 4530,
"complianceDocumentId": 2261,
"section": "SC-7",
"comments": "Boundary Protection",
"pid": 4512,
"lastModified": "2016-10-18T15:26:57.000+0000"
},
,
"controlObjectives": [
{
"document": {
"id": 4535,
"complianceDocumentId": 2261,
"section": "SC-7(5)",
"comments": "Boundary Protection | Deny By Default / Allow By Exception",
"pid": 4530,
"lastModified": "2016-10-18T15:26:57.000+0000"
},
,
"controls": [
{
"cid": 44,
"controlName": "Ensure the default security group of every VPC restricts all traffic",
"policyName": "CIS Amazon Web Services Foundations Benchmark",
"criticality": "MEDIUM",
"cloudType": "AWS",
"stats": {
"passPercent": 0,
"passCount": 0,
"failPercent": 100,
"failCount": 16

```

```
}
}
],
"stats": {
  "passPercent": 0,
  "passCount": 0,
  "failPercent": 100,
  "failCount": 16
}
...
"summary": {
  "mandatesCount": 1,
  "requirementsCount": 16,
  "mandateName": "Cloud Controls Matrix (CCM)",
  "mandatePassPercent": 38.18,
  "accounts": [
    {
      "name": "Sample Report",
      "id": "7b4dee60-3b53-11e9-b3a0-2593ff30b8c4",
      "accountId": "791005424431",
      "cloudType": "AWS"
    }
  ],
  "controlsCount": 68,
  "totalEvaluationsCount": 110,
  "policiesCount": 2
}
}
```

Get the details of specified report configuration

API affected	/rest/v1/reports/{reportId}
New or Updated APIs	New
Operator	GET

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

Input Parameters

Parameter	Description
reportId	Unique identifier associated with every report.

Sample 1 - Get the details of specified report configuration

API request:

```
curl -X GET --header 'Accept: application/json' --header 'Authorization:
Basic VVNFUk5BTUU6UEFTUldPUkQ='
'https://<QualysURL>/cloudview-api/rest/v1/reports/9cce6540-4b36-11e9-
be40-09d60abc9fcd'
```

Response:

```
{
  "reportId": "b81d8331-506d-11e9-ba0b-2d8c133f63e9",
  "title": "Mandate_Report",
  "type": "MANDATE",
  "format": "ON_SCREEN",
  "accounts": [
    {
      "name": "Qualys_Dev",
      "id": null,
      "accountId": "383031258652",
      "cloudType": "AWS"
    }
  ],
  "description": "CCM",
  "policies": [
    {
      "policyId": "1b8a3200-dbb3-11e7-b820-0518e3f8c979",
      "cloudType": "AWS"
    },
    {
      "policyId": "68dc5320-8677-11e8-9d84-85bffa8eeea9",
      "cloudType": "AWS"
    }
  ],
  "mandateId": "2481",
  "createdOn": "2019-03-27T08:52:58+0000"
}
```

Create a new report configuration

API affected	/rest/v1/reports
New or Updated APIs	New
Operator	POST

To generate a new report you need to provide information such as account ID, the cloud provider for which you would want to generate the report and few other details such as name, description, format, mandate ID and so on.

Input Parameters

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

Sample 1 - Create a report

API request:

```
curl -X POST --header
-d '{ \
  "title": "Mandate_Report_Public_API", \
```

```
"description": "CCM", \
"type": "MANDATE", \
"policies": [{ \
  "policyId": "1b8a3200-dbb3-11e7-b820-0518e3f8c979", \
  "cloudType": "AWS" \
}, { \
  "policyId": "68dc5320-8677-11e8-9d84-85bffa8eeea9", \
  "cloudType": "AWS" \
}], \
"mandateId": 2481, \
"format": "ON_SCREEN", \
"accounts": [{ \
  "cloudType": "AWS", \
  "name": "Qualys_Dev", \
  "accountId": "383031258652" \
}] \
}' 'https://<QualysURL>/cloudview-api/rest/v1/reports'
```

Response:

```
{
  "title": "Mandate_Report_Public_API",
  "type": "MANDATE",
  "format": "ON_SCREEN",
  "accounts": [
    {
      "name": "Qualys_Dev",
      "id": null,
      "accountId": "383031258652",
      "cloudType": "AWS"
    }
  ],
  "description": "CCM",
  "policies": [
    {
      "policyId": "1b8a3200-dbb3-11e7-b820-0518e3f8c979",
      "cloudType": "AWS"
    },
    {
      "policyId": "68dc5320-8677-11e8-9d84-85bffa8eeea9",
      "cloudType": "AWS"
    }
  ],
  "mandateId": "2481",
  "createdOn": "2019-04-04T09:11:58+0000",
  "reportId": "b2f0e120-56b9-11e9-abce-d1748f389748"
}
```

Update the existing report configurations

API affected	/rest/v1/reports/{reportId}
New or Updated APIs	New
Operator	PATCH

Specify the details such as control ID, resource ID, and connector ID to get the statistics for specified control and resource ID.

Input Parameters.

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

Sample 1 - Update the configuration of an existing report

API request:

```
curl -X PATCH -u <username>:<password> 'Content-Type: application/json'-d
```

```
{ \
  "title": "Mandate_Report", \
  "type": "MANDATE", \
  "format": "ON_SCREEN", \
  "accounts": [ \
    { \
      "name": "Qualys_Dev", \
      "id": "5a4f0630-39ab-11e9-a7c7-6f7103922bbf", \
      "accountId": "383031258652", \
      "cloudType": "AWS" \
    } \
  ], \
  "description": "CCM", \
  "policies": [ \
    { \
      "policyId": "1b8a3200-dbb3-11e7-b820-0518e3f8c979", \
      "cloudType": "AWS" \
    }, \
    { \
      "policyId": "68dc5320-8677-11e8-9d84-85bffa8eeea9", \
      "cloudType": "AWS" \
    } \
  ], \
  "mandateId": "2481" \
}' 'https://<QualysURL>/cloudview-api/rest/v1/reports/7fb67360-4d40-11e9-a00f-f18386b5a29f'
```

Response:

```
{
  "reportId": "47cb7ef0-4ed5-11e9-83e9-0f51c0d025db",
  "title": "Mandate_Report",
  "type": "MANDATE",
  "format": "ON_SCREEN",
  "accounts": [
    {
      "name": "Qualys_Dev",
      "id": null,
      "accountId": "383031258652",
      "cloudType": "AWS"
    }
  ],
  "description": "CCM",
  "policies": [
    {
      "policyId": "1b8a3200-dbb3-11e7-b820-0518e3f8c979",
      "cloudType": "AWS"
    },
    {

```

```
"policyId": "68dc5320-8677-11e8-9d84-85bffa8eeea9",  
"cloudType": "AWS"  
}  
],  
"mandateId": "2481",  
"createdOn": "2019-03-27T09:06:23+0000"  
}
```

Delete the provided report configurations

API affected	/rest/v1/reports
New or Updated APIs	New
Operator	DELETE

Specify the ID of the report you want to delete and the report gets deleted.

Input Parameters.

Parameter	Description
reportId	Unique identifier associated with every report. Multiple values are entered as a comma-separated list.

Sample 1 - Delete the specified report

API request:

```
curl -X DELETE -u <username>:<password> -d '["9cce6540-4b36-11e9-be40-09d60abc9fcd"]'  
'https://<QualysURL>/cloudview-api/rest/v1/reports'
```

Response:

No Content
Response Code: 204

Sample 2 - Delete multiple reports

API request:

```
curl -X DELETE -u <username>:<password> -d '["9cce6540-4b36-11e9-be40-09d60abc9fcd","fbfd2de0-4af4-11e9-9fd1-1344989d5139"]'  
'https://<QualysURL>/cloudview-api/rest/v1/reports'
```

Response:

No Content

Response Code: 204