



Qualys CloudView v1.x

API Release Notes

Version 1.9.4.0

July 10, 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

[Configuring Connector Polling Frequency](#)

[Alerting Response APIs: Actions, Rules, Notifications \(Beta\)](#)

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.

Configuring Connector Polling Frequency

APIs affected	AWS POST /rest/v1/aws/connectors PUT /rest/v1/aws/connectors/{connectorId} GET /rest/v1/aws/connectors/{connectorId} Azure POST //rest/v1/azure/connectors PUT /rest/v1/azure/connectors/{connectorId} GET/rest/v1/azure/connectors/{connectorId} GCP POST /rest/v1/gcp/connectors PUT /rest/v1/gcp/connectors/{connectorId} GET/rest/v1/gcp/connectors/{connectorId}
New or Updated APIs	Updated
Operator	GET, PUT, POST

Polling frequency for a connector decides the rate at which the connector should poll the cloud provider and fetch the data.

Earlier, Qualys pre-configured a fixed polling frequency for the connector. The polling frequency was set to 4 hours by default and was not configurable. We now give you the flexibility to configure the polling frequency of the connector as per your need.

Note: Configuration of connector polling frequency is enabled only for Cloud Security Assessment (CSA) users. For all other users, the default connector polling frequency is pre-configured and even if you update the connector polling frequency, the change in frequency will not reflect. For Cloud Inventory (CI) users, the pre-configured frequency is 24 hours. For the trial period, the pre-configured frequency it is 4 hours.

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", "isChinaRegion": true, "isGovCloud": true, "isPortalConnector": true, "name": "string", "pollingFrequency": { "hours": 0, "minutes": 0 } }</pre> Where, - pollingFrequency: is the connector polling frequency to be configured. hours: Specify the time in hours. The valid range is 1 to 24 hours. minutes: Specify the time in minutes. The valid range is 0 to 59 minutes. You can configure frequency from minimum one hour to maximum 24 hours. We recommend that you configure frequency of 4 hours or more for optimal use of your connector. Configuring a low polling frequency (lesser than 4 hours) can affect the performance of the connector and may result in API throttling error.

Let us see examples for each of the cloud providers to configure, update and fetch connector polling frequency details.

AWS

[Sample - Create a Connector with 7 hours polling frequency](#)

[Sample - Update Connector Polling Frequency for AWS Connector](#)

[Sample - Get Connector Details for AWS connector](#)

Azure

[Sample - Create a Connector with 4 hours polling frequency](#)

[Sample - Update Connector Polling Frequency for Azure Connector](#)

[Sample - Get Connector Details for Azure Connector](#)

GCP

[Sample - Create a Connector with 6 hours polling frequency](#)

[Sample - Update Connector Polling Frequency for GCP Connector](#)

[Sample - Get Connector Details for GCP Connector](#)

AWS

Sample - Create a Connector with 7 hours polling frequency

API request:

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

Request POST Data:

```
{
  "arn": "arn:aws:iam::XXXXXXXXXXXX:role/QualysCloudViewRole",
  "description": "Connector for Polling Frequency",
  "externalId": "1519492516233",
  "isChinaRegion": false,
  "isGovCloud": false,
  "isPortalConnector": false,
  "name": "Connector for Polling Frequency",
  "pollingFrequency": {
    "hours": 7,
    "minutes": 0
  }
}
```

Response:

```
{
  "arn": "arn:aws:iam:XXXXXXXXXXXX:role/QualysCloudViewRole",
  "awsAccountId": "XXXXXXXXXXXX",
  "baseAccountId": "XXXXXXXXXXXX",
  "connectorId": "1a1b6fb0-5150-11e9-b42c-7b8f80d86320",
  "description": "Connector for Polling Frequency",
  "error": "string",
  "externalId": "1519492516233",
  "groups": [ ],
  "pollingFrequency": {
    "hours": 7,
    "minutes": 0
  },
  "isChinaRegion": false,
  "isGovCloud": false,
  "isPortalConnector": false,
  "lastSyncedOn": "Fri Apr 01 10:33:08 UTC 2020",
  "nextSyncedOn": "Fri Apr 01 17:33:29 UTC 2020",
  "name": "Connector for Polling Frequency",
  "portalConnectorUuid": "string",
  "provider": "AWS",
  "state": "PENDING",
  "totalAssets": 0
}
```

Sample - Update Connector Polling Frequency for AWS Connector

Let us change the connector polling frequency to 4 hours.

API request:

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

Request PUT Data:

```
{
  "arn": "arn:aws:iam:XXXXXXXXXXXX:role/QualysCloudViewRole",
  "description": "Update Connector for Polling Frequency",
  "externalId": "1519492516233",
  "isChinaRegion": false,
  "isGovCloud": false,
  "isPortalConnector": false,
  "name": "Connector for Polling Frequency",
  "pollingFrequency": {
    "hours": 4,
    "minutes": 0
  }
}
```

```
}

```

Response:

```
{
  "name": "Connector for Polling Frequency",
  "description": "Update Connector for Polling Frequency",
  "isGovCloud": false,
  "isChinaRegion": false,
  "awsAccountId": "XXXXXXXXXXXX",
  "baseAccountId": "XXXXXXXXXXXX",
  "state": "PENDING",
  "totalAssets": 0,
  "groups": [],
  "pollingFrequency": {
    "hours": 4,
    "minutes": 0
  },
  "provider": "AWS",
  "connectorId": "f55e2c86-1c7d-35fd-9041-991236634ec5",
  "error": "",
  "externalId": "1519492516233",
  "arn": "arn:aws:iam::XXXXXXXXXXXX:role/QualysCloudViewRole",
  "lastSyncedOn": "Fri Apr 1 10:33:08 UTC 2020",
  "nextSyncedOn": "Fri Apr 1 14:33:29 UTC 2020",
  "isPortalConnector": false
}
```

Sample - Get Connector Details for AWS connector

Let us fetch the connector details to view the connector polling frequency.

Sample - Get Connector details for AWS

API request:

```
curl -k -X GET -u <username>:<password> '
https://<QualysURL>/cloudview-api/rest/v1/aws/connectors/226947d0-569d-
11e9-8032-2fa7ed9d9b64'
```

Response:

```
{
  "name": "AWS Connector",
  "description": "Sample connector",
  "isGovCloud": false,
  "isChinaRegion": false,
  "awsAccountId": "XXXXXXXXXXXX",
  "state": "NO_REGIONS_DISCOVERED",
  "totalAssets": 0,
  "groups": [],

```

```

    "pollingFrequency": {
      "hours": 3,
      "minutes": 12
    },
    "provider": "AWS",
    "connectorId": "316ce3c8-fc31-3579-811e-658a893b15af",
    "baseAccountId": "XXXXXXXXXXXX",
    "externalId": "1519492516233",
    "arn": "arn:aws:iam::XXXXXXXXXXXX:role/QualysCloudViewRole",
    "lastSyncedOn": "Fri Apr 1 10:33:08 UTC 2020",
    "nextSyncedOn": "Fri Apr 1 13:45:08 UTC 2020",
    "isPortalConnector": false
  }
}

```

Microsoft Azure

Sample - Create a Connector with 4 hours polling frequency

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": "XXXXXXXXXXXXXXXX",
  "description": "This is test description",
  "directoryId": "ff4e2442-65ab-4dc2-9e5b-1ea02d3d94eb",
  "isGovCloud": true,
  "name": "My Azure Connector",
  "subscriptionId": "XXXXXXXX-XXXX-XXXX-XXXX-XXXXXXXXXXXX",
  "pollingFrequency": {
    "hours": 4,
    "minutes": 0
  },
}

```

Response:

```

{
  "applicationId": "d8c3a66a-e6f9-449e-8a54-2416e2d61aec",
  "connectorId": "674292e0-5223-11e9-be90-4dfe52eda963",
  "description": "This is test description",
  "directoryId": "ff4e2442-65ab-4dc2-9e5b-1ea02d3d94eb",
  "error": "string",
  "groups": [
    {
      "name": "Test_group",
      "uuid": "52660405-27d3-3f69-b764-b0061ab4c494"
    }
  ]
}

```

```

    }
  ],
  "isGovCloud": true,
  "lastSyncedOn": "Fri Apr 1 09:45:08 UTC 2020",
  "name": "My Azure Connector",
  "provider": "AZURE",
  "state": "PENDING",
  "subscriptionId": "XXXXXXXX-XXXX-XXXX-XXXX-XXXXXXXXXXXX",
  "totalAssets": 0,
  "pollingFrequency": {
    "hours": 4,
    "minutes": 0
  },
  "nextSyncedOn": "Fri Apr 1 13:45:08 UTC 2020",
}

```

Sample - Update Connector Polling Frequency for Azure Connector

Let us change the connector polling frequency to 6 hours.

API request:

```

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

```

Request PUT Data:

```

{
  "applicationId": "d8c3a66a-e6f9-449e-8a54-2416e2d61aec",
  "authenticationKey": "XXXXXXXXXXXXXXXX",
  "description": "Polling Frequency updated",
  "directoryId": "ff4e2442-65ab-4dc2-9e5b-1ea02d3d94eb",
  "isGovCloud": true,
  "name": "My Azure Connector",
  "pollingFrequency": {
    "hours": 6,
    "minutes": 0
  }
}

```

Response:

```

{
  "name": "My Azure Connector",
  "description": "Polling Frequency updated",
  "isGovCloud": false,
  "state": "PENDING",
  "totalAssets": 0,
  "applicationId": "d8c3a45a-e6f9-449e-8a54-2416e2d61aec",
}

```

```

"subscriptionId": "XXXXXXXX-XXXX-XXXX-XXXX-XXXXXXXXXXXX",
"groups": [],
"provider": "AZURE",
"connectorId": "7d80a840-40b6-11e9-9078-111111111111",
"lastSyncedOn": "Fri Apr 1 15:58:08 UTC 2020",
"directoryId": "ff4e2413-65ab-4dc2-9e5b-1ea02d3d94eb",
"pollingFrequency": {
  "hours": 6,
  "minutes": 0
},
"nextSyncedOn": "Fri Apr 1 21:58:08 UTC 2020",
}

```

Sample - Get Connector Details for Azure Connector

Let us fetch the connector details to view the connector polling frequency.

API request:

```

curl -k -X GET -u <username>:<password> '
https://<QualysURL>/cloudview-api/rest/v1/azure/connectors/226947d0-569d-
11e9-8032-2fa7ed9d9b64'

```

Response:

```

{
  "name": "My Azure Connector",
  "description": "Sample_descriptio",
  "isGovCloud": true,
  "state": "SUCCESS",
  "totalAssets": 69,
  "applicationId": "d8c3a45a-e6f9-449e-8a54-2416e2d61aec",
  "subscriptionId": "XXXXXXXX-XXXX-XXXX-XXXX-XXXXXXXXXXXX",
  "groups": [
    {
      "name": "sample_group",
      "uuid": "745aca99-6ab6-3e1d-8e65-7b4febc0005e"
    },
    {
      "name": "azure2",
      "uuid": "ce7c0d23-af60-320f-b8cb-f6b51b2fb8a5"
    }
  ],
  "provider": "AZURE",
  "connectorId": "226947d0-569d-11e9-8032-2fa7ed9d9b64",
  "lastSyncedOn": "Fri Apr 1 05:56:08 UTC 2020",
  "directoryId": "ff4e2413-65ab-4dc2-9e5b-1ea02d3d94eb",
  "pollingFrequency": {

```

```

    "hours": 4,
    "minutes": 0
  },
  "nextSyncedOn": "Fri Apr 1 09:56:08 UTC 2020"
}

```

Google Cloud Platform

Sample - Create a Connector with 6 hours polling frequency

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 -F "pollingFrequencyInHrs=6" -F
"pollingFrequencyInMinutes=0
'https://<QualysURL>/cloudview-api/rest/v1/gcp/connectors'

```

Note: Upload the configuration file required for GCP connector creation. It should contain Polling Frequency in Hours and Minutes'

Response:

```

{
  "name": "My GCP Connector",
  "description": "My GCP Connector",
  "state": "PENDING",
  "totalAssets": 0,
  "projectId": "my-project-111111111111",
  "provider": "GCP",
  CloudView APIs
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  "connectorId": "1111a111-1111-11a1-a1a1-1aa1a1111111",
  "lastSyncedOn": "Fri Apr 1 08:14:18 UTC 2020",
  "pollingFrequency": {
    "hours": 6,
    "minutes": 0
  },
  "nextSyncedOn": "Fri Apr 1 14:14:18 UTC 2020",
}

```

Sample - Update Connector Polling Frequency for GCP Connector

Let us change the connector polling frequency to 4 hours.

API request:

```

curl -k -X PUT -u <username>:<password> -F name=Change_name_GCP -F
"pollingFrequencyInHrs=4" -F "pollingFrequencyInMinutes=0
'https://<QualysURL>/cloudview-api/rest/v1/gcp/connectors/1f325070-5152-

```

```
11e9-8cf3-e3dcac181204'
```

Note: Upload the configuration file required for GCP connector creation. It should contain Polling Frequency in Hours and Minutes'

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": "Fri Apr 1 12:09:36 UTC 2020",
  "pollingFrequency": {
    "hours": 4,
    "minutes": 0
  },
  "nextSyncedOn": "Fri Apr 1 16:09:36 UTC 2020",
}
```

Sample - Get Connector Details for GCP Connector

Let us fetch the connector details to view the connector polling frequency.

API request:

```
curl -k -X GET -u <username>:<password>
'https://<QualysURL>/cloudview-api/rest/v1/gcp/connectors/1111a111-1111-11a1-a1a1-1aa1a1111111'
```

Response:

```
{
  "name": "GCP Connector",
  "description": "Get connector details",
  "state": "SUCCESS",
  "totalAssets": 115,
  "projectId": "my-project-1524669048661",
  "groups": [
    {
      "name": "Sample_group",
      "uuid": "ea4b240f-c27c-30a6-ba28-8fc9a38fa8d1"
    },
  ],
  "provider": "GCP",
  "connectorId": "1111a111-1111-11a1-a1a1-1aa1a1111111",
  "lastSyncedOn": "Fri Apr 1 08:43:09 UTC 2020",
  "pollingFrequency": {
```

```
"hours": 4,  
"minutes": 0  
},  
"nextSyncedOn": "Fri Apr 1 12:43:09 UTC 2020"  
}
```

Alerting Response APIs: Actions, Rules, Notifications (Beta)

You can now configure monitoring of critical controls and triggering alert messages on detection of critical conditions. The alert messages you receive includes control assessment details.

To receive the alerts, you need to follow quick steps:

- Create one or more actions.
- Create rules that include criteria or specific conditions that would trigger the alert and associate actions for each criterion.
- Run the Connectors in CloudView and the alerts get triggered whenever the condition defined in a Rules are satisfied.

Based on action type you select, you will be notified through Email, Slack or Pagerduty.

Let us view the APIs for the same.

[Response Actions API \(Beta\)](#)

[Response Notifications API \(Beta\)](#)

[Response Rules API \(Beta\)](#)

Response Actions API (Beta)

We support the following actions for the Response Action API:

- [Get Actions](#)
- [Get action by Id](#)
- [Delete Existing Action](#)
- [Create new email actions](#)
- [Update email action](#)
- [Create PagerDuty Action](#)
- [Update PagerDuty action](#)
- [Test PagerDuty action](#)
- [Create Slack Action](#)
- [Update Slack action](#)
- [Test Slack action](#)
- [Get all possible action types](#)

Get Actions

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

You can get the list of actions using this API. You can search for actions using filters based on criteria you want.

Input Parameters

Parameter	Description
filter	Form the search query using the filters we provide to refine the search for actions. Filters supported: - action.name: - action.description - action.type - action.createdBy - action.createdById - action.updatedBy - action.updatedById - action.active - action.disabled - action.createdDate - action.updatedDate - action.emailRecipient - action.subject - action.slackChannel - action.slackWebhookUri - action.pagerdutyServiceKey For detailed information on filters, refer to the CloudView API User Guide.
pageNo	(mandatory) (integer) The page to be returned.
pageSize	(mandatory) (integer) The number of records per page to be included in the response.
sortField	Specify the field that decides the sort order for the actions.
sortOrder {asc desc}	Specify if the sorting needs to be ascending or descending order.

Sample - Get the list of actions

Let us get the actions that are created by a specific user.

API request:

```
curl -X GET --header 'Accept: application/json' --header 'Authorization: Basic dXNlcm5hbWU6cGFzc3dvcmQK==' 'https://<QualysURL>/cloudview-api/rest/v1/actions?filter=action.createdBy%3Duser_john&pageNo=1&pageSize=50&sortOrder=asc'
```

Response:

```
{
  "id": "24278970-725c-11ea-9959-f36a27b72f5a",
```

```

    "name": "string12345",
    "description": "Sample Pager",
    "actionType": "pagerduty",
    "createdBy": "John Doe",
    "createdById": "user_john",
    "updatedBy": "John Doe",
    "updatedById": "user_john",
    "created": "2020-03-30T07:57:45.735+0000",
    "updated": "2020-03-30T08:07:35.896+0000",
    "alert": "Qualys CloudView: Cloud Security Assessment
Alerts\n\n${control.criticality} Severity Control Failure Detected for CID
${cid}\n\n*Affected
Resource*\n\tresourceId:${resource.id}\n\tresourceType:${resource.type}\n
\tservice:${service.type}\n\tregion:${region}\n\tcloudType:${provider.typ
e}\n\taccountId:${account.id}\n\tconnectorId:${connectorUuid}\n\tgroupName
e:${accountGroup}\n\n*Evaluation
Summary*\n\tcontrolName:${control.name}\n\tcontrolId:${cid}\n\tpolicyName
:${policyName}\n\tevaluatedOn:${evaluatedOn}\n\tevaluationDates:\n\t\tfir
stEvaluated:${firstEvaluated}\n\t\tlastEvaluated:${lastEvaluated}\n\n*Res
ults*\n\tresult:${control.result}\n\tevidences:\n\t\tsettingName:${eviden
ces.key}\n\t\tactualValue:${evidences.value}\n\nYours Sincerely,\nQualys
Support Team\n\n\nFor any assistance, please contact our customer support
team.",
    "subject": "Sample Pager Action",
    "pagerdutyServiceKey": "c391356a9d7d4c6b8a0257ff91cc3842",
    "pagerdutyEventType": "trigger",
    "activeRules": 0,
    "disabledRules": 0
  },
  {
    "id": "36bc5690-6dcc-11ea-97c4-57de4ff3eb79",
    "name": "Azure Action",
    "description": "Azure Action",
    "actionType": "qemail",
    "createdBy": "John Doe",
    "createdById": "user_john",
    "updatedBy": "John Doe",
    "updatedById": "user_john",
    "created": "2020-03-24T12:37:24.729+0000",
    "updated": "2020-03-24T12:37:24.729+0000",
    "alert": "Qualys CloudView: Cloud Security Assessment
Alerts\n\n${control.criticality} Severity Control Failure Detected for CID
${cid}\n\n*Affected
Resource*\n\tresourceId:${resource.id}\n\tresourceType:${resource.type}\n
\tservice:${service.type}\n\tregion:${region}\n\tcloudType:${provider.typ
e}\n\taccountId:${account.id}\n\tconnectorId:${connectorUuid}\n\tgroupName
e:${accountGroup}\n\n*Evaluation
Summary*\n\tcontrolName:${control.name}\n\tcontrolId:${cid}\n\tpolicyName
:${policyName}\n\tevaluatedOn:${evaluatedOn}\n\tevaluationDates:\n\t\tfir

```

```
stEvaluated:${firstEvaluated}\n\t\tlastEvaluated:${lastEvaluated}\n\n*Results*\n\tresult:${control.result}\n\tevidences:\n\t\tsettingName:${evidences.key}\n\t\tactualValue:${evidences.value}\n\nYours Sincerely,\nQualys Support Team\n\n\nFor any assistance, please contact our customer support team.",
    "subject": "Azure CV Test",
    "smtpHost": "mta01.eng.abc01.example.com",
    "smtpPort": 25,
    "emailRecipients": [
        "abc@example.com"
    ],
    "emailFromAddress": "noreply@example.com",
    "emailReplyTo": "noreply@example.com",
    "activeRules": 0,
    "disabledRules": 0
},
{
    "id": "1f695df0-6da2-11ea-8910-77b847f40d61",
    "name": "Sample Slack",
    "description": "Sample Slack decription",
    "actionType": "slack",
    "createdBy": "John Doe",
    "createdById": "user_john",
    "updatedBy": "John Doe",
    "updatedById": "user_john",
    "created": "2020-03-24T07:36:06.735+0000",
    "updated": "2020-03-30T07:54:43.371+0000",
    "alert": "Qualys CloudView: Cloud Security Assessment Alerts\n\n*${control.criticality} Severity Control Failure Detected for CID ${cid}* \n\n*Affected Resource*\n\tresourceId:${resource.id}\n\tresourceType:${resource.type}\n\tservice:${service.type}\n\tregion:${region}\n\tcloudType:${provider.type}\n\taccountId:${account.id}\n\tconnectorId:${connectorUuid}\n\n*Evaluation Summary*\n\tcontrolName:${control.name}\n\tcontrolId:${cid}\n\tpolicyName:${policyName}\n\tevaluatedOn:${evaluatedOn}\n\tevaluationDates:\n\t\ttfirstEvaluated:${firstEvaluated}\n\t\t\tlastEvaluated:${lastEvaluated}\n\n*Results*\n\tresult:${control.result}\n\tevidences:\n\t\tsettingName:${evidences.key}\n\t\tactualValue: ${evidences.value}\n\nYours Sincerely,\nQualys Support Team\n\n\nFor any assistance, please contact our <mailto:support@qualys.com | customer support team.>",
    "slackWebhookUri":
"https://hooks.slack.com/services/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",
    "slackChannel": "Sample-slack",
    "activeRules": 1,
    "disabledRules": 0
}
```

$$\left. \begin{array}{l} \text{ } \\ \text{ } \end{array} \right\}$$

Get action by Id

API affected	/rest/v1/actions/{actionId}
New or Updated APIs	New
Operator	GET

Specify the action ID and fetch action details.

Input Parameters

Parameter	Description
actionId	(mandatory) (integer) Specify the action ID of an action in the user's scope.

Sample - Get action details using the action Id

API request:

```
curl -X GET --header 'Accept: application/json' --header 'Authorization: Basic dXNlcm5hbWU6cGFzc3dvcmQK==' 'https://<QualysURL>/cloudview-api/rest/v1/actions/bd786210-9965-11e8-ab43-6187ace8f6e8'
```

Response:

```
{
  "id": "1f695df0-6da2-11ea-8910-77b847f40d61",
  "name": "Sample action",
  "description": "Action details",
  "actionType": "slack",
  "createdBy": "John Doe",
  "createdById": "user_john",
  "updatedBy": "John Doe",
  "updatedById": "user_john",
  "created": "2020-03-24T07:36:06.735+0000",
  "updated": "2020-03-30T07:54:43.371+0000",
  "alert": "Qualys CloudView: Cloud Security Assessment
Alerts\n\n*${control.criticality} Severity Control Failure Detected for
CID ${cid}*\n\n*Affected
Resource*\n\n\tresourceId:${resource.id}\n\tresourceType:${resource.type}\n
\tservice:${service.type}\n\tregion:${region}\n\tcloudType:${provider.type}
e)\n\taccountId:${account.id}\n\tconnectorId:${connectorUuid}\n\n*Evaluation
Summary*\n\n\tcontrolName:${control.name}\n\tcontrolId:${cid}\n\tpolicyName
```

```
:${policyName}\n\tevaluatedOn:${evaluatedOn}\n\tevaluationDates:\n\t\tfirstEvaluated:
${firstEvaluated}\n\t\tlastEvaluated:${lastEvaluated}\n\n*Results*\n\tresult:
${control.result}\n\tevidences:\n\t\tsettingName:${evidences.key}\n\t\tactualValue: ${evidences.value}\n\nYours Sincerely,\nQualys Support
Team\n\n\nFor any assistance, please contact our
<mailto:support@qualys.com | customer support team.>,
  "slackWebhookUri":
"https://hooks.slack.com/services/T95RLRTSL/BRD8PBJ06/oxQZYabcBEIex6Mh0R6
mMxyz",
  "slackChannel": "sample-slack",
  "activeRules": 1,
  "disabledRules": 0
}
```

Delete Existing Action

API affected	/rest/v1/actions/delete
New or Updated APIs	New
Operator	POST

Specify the ID of an existing action you want to delete and the action gets deleted. Ensure that action you want to delete is not associated with a rule in use

Input Parameters

Parameter	Description
actionId	(mandatory) (string) Specify the ID of an action to be deleted and the action gets deleted. You can provide multiple Ids separated by comma. Example: <pre>{ "ids": ["actionId1, actionId2"] }</pre>

Sample - Delete actions

API request:

```
curl -X POST --header 'Content-Type: application/json' --header 'Accept: application/json' --header 'Authorization: Basic
```

```
dXNlcm5hbWU6cGFzc3dvcmQK==  
'https://<QualysURL>/cloudview-api/rest/v1/actions/delete'
```

Request POST Data:

```
{  
  "ids": [  
    "bd786210-9965-11e8-ab43-6187ace8f6e8",  
    "efbf4080-52dd-11ea-a008-cbe911ab6a51"  
  ]  
}
```

Response:

Response returns status code 200 with empty map if action is deleted:

```
{}
```

In case of multiple actions being deleted, if all acitons are not deleted, the response returns status code 200 with details of un-deleted actions.

```
{  
  "efbf4080-52dd-11ea-a008-cbe911ab6a51": "Cannot delete a action in use."  
}
```

Create new email actions

API affected	/rest/v1/actions/email
New or Updated APIs	New
Operator	POST

You can create an alert to be sent through email. Specify the necessary details in the request body that are required to create an email action such as action name, action description, the recipient details, whom the email should be sent to and so on.

Input Parameters

Parameter	Description
emailActionRequest	(body) Specify the action actionName, actionDescription, and recipients and so on. Refer to the following example for exact syntax. <pre>{ "actionDescription": "string", "actionName": "string", "recipients": ["example@abc.com"], "subject": "string" }</pre> Where, actionDescription: description that tells the purpose of the action actionName: name of the action recipients: valid email ID of the recipients to whom the alert should be sent. You can provide multiple email IDs separated by comma. subject: subject of the email action

Sample - Create an email action

API request:

```
curl -X POST --header 'Content-Type: application/json' --header 'Accept: application/json' --header 'Authorization: Basic dXNlcm5hbWU6cGFzc3dvcmQK==' 'https://<QualysURL>/cloudview-api/rest/v1/actions/email'
```

Request POST Data:

```
{
  "actionDescription": "Sample Action Test",
  "actionName": "Sample action",
  "recipients": [
    "user_john@example.com"
  ],
  "subject": "Sample Alert"
}
```

Response:

```
{
  "success": "bd786210-9965-11e8-ab43-6187ace8f6e8"
}
```

Update email action

API affected	/rest/v1/actions/email/{emailActionId}
New or Updated APIs	New
Operator	PUT

You can update email action. Specify the necessary details in the request body that are required to update an email action such as action ID, action name, action description, the recipient details, whom the email should be sent to and so on.

Input Parameters

Parameter	Description
emailActionId	(mandatory) Specify the ID of the email action that you want to update.
emailActionRequest	(mandatory) (body) Specify the action actionName, actionDescription, and recipients and so on. Refer to the following example for exact syntax. <pre>{ "actionDescription": "string", "actionName": "string", "recipients": ["example@abc.com"], "subject": "string" }</pre> Where, actionDescription: description that tells the purpose of the action actionName: name of the action recipients: valid email ID of the recipients to whom the alert should be sent. You can provide multiple email IDs separated by comma. subject: subject of the email action

Sample - Update the email action

Let us update the description of an existing action.

API request:

```
curl -X PUT --header 'Content-Type: application/json' --header 'Accept: application/json' --header 'Authorization: Basic dXNlcm5hbWU6cGFzc3dvcmQK=='
```

```
'https://<QualysURL>/cloudview-api/rest/v1/actions/email/bd786210-9965-11e8-ab43-6187ace8f6e8'
```

Request PUT Data:

```
{
  "actionDescription": "Update Sample Action Test",
  "actionName": "Sample action",
  "recipients": [
    "user_john@example.com"
  ],
  "subject": "Sample Alert"
}
```

Response:

```
{
  "success": "bd786210-9965-11e8-ab43-6187ace8f6e8"
}
```

Create PagerDuty Action

API affected	/rest/v1/actions/pagerduty
New or Updated APIs	New
Operator	POST

You can create an alert to be notified through PagerDuty. Specify the necessary details in the request body that are required for PagerDuty such as action name, action description, client, and servicekey, and so on.

Input Parameters

Parameter	Description
pagerdutyRequest	(body) Specify the action actionName, actionDescription, and recipients and so on. Refer to the following example for exact syntax. <pre>{ "actionDescription": "string", "actionName": "string", "client": "string", "serviceKey": "string", "subjectLine": "string" }</pre> Where, actionDescription: description that tells the purpose of the action actionName: name of the action client: the client application used to access PagerDuty. Example: CLOUDVIEW serviceKey: the service key required to connect to your PagerDuty account. subjectLine: subject of the action

Sample - Create PagerDuty action

API request:

```
curl -X POST --header 'Content-Type: application/json' --header 'Accept: application/json' --header 'Authorization: Basic dXNlcm5hbWU6cGFzc3dvcmQK==' 'https://<QualysURL>/cloudview-api/rest/v1/actions/pagerduty'
```

Request POST Data:

```
{
  "actionDescription": "Sample PagerDuty action",
  "actionName": "Pagerduty action",
  "client": "CLOUDVIEW",
  "serviceKey": "c391356a9d7d4c6b8a0257ff91cc3842",
  "subjectLine": "Test Pager action"
}
```

Response:

```
{
  "success": "03e5b680-52f6-11ea-a008-cbe911ab6a51"
}
```

Update PagerDuty action

API affected	/rest/v1/actions/pagerduty/{pagerActionId}
New or Updated APIs	New
Operator	PUT

You can update the action to be notified through PagerDuty. Specify the necessary details in the request body that are required for PagerDuty such as action name, action description, the recipient details, whom the alert should be sent to and so on.

Input Parameters

Parameter	Description
pagerActionId	(mandatory) (integer) Specify the pagerAction ID of a specific action in the user's scope.
pagerdutyRequest	(mandatory) (body) Specify the action actionName, actionDescription, and recipients and so on. Refer to the following example for exact syntax. <pre>{ "actionDescription": "string", "actionName": "string", "client": "string", "serviceKey": "string", "subjectLine": "string" }</pre> Where, actionDescription: description that tells the purpose of the action actionName: name of the action client: the client application used to access PagerDuty. Example: CLOUDVIEW serviceKey: the service key required to connect to your PagerDuty account. subjectLine: subject of the action

Sample - Update PagerDuty action

API request:

```
curl -X PUT --header 'Content-Type: application/json' --header 'Accept: application/json' --header 'Authorization: Basic dXNlcm5hbWU6cGFzc3dvcmQK== 'https://<QualysURL>/cloudview-api/rest/v1/actions/pagerduty'
```

Request PUT Data:

```
{
  "actionDescription": "Sample PagerDuty action",
  "actionName": "Pagerduty action",
  "client": "CLOUDVIEW",
  "serviceKey": "c391356a9d7d4c6b8a0257ff91cc3842",
  "subjectLine": "Test Pager action"
}
```

Response:

```
{
  "success": "03e5b680-52f6-11ea-a008-cbe911ab6a51"
}
```

Test PagerDuty action

API affected	/rest/v1/actions/pagerduty/test
New or Updated APIs	New
Operator	POST

You can execute a test action to check if PagerDuty is reachable or not.

Input Parameters

Parameter	Description
pagerdutyConnectionParam	(mandatory) (integer) Specify the servicekey used to connect to PagerDuty. Example: { "serviceKey": "c391356a9d7d4c6b8a0257ff91cc3123" }

Sample - Test PagerDuty Action

API request:

```
curl -X POST --header 'Content-Type: application/json' --header 'Accept: application/json' --header 'Authorization: Basic dXNlcm5hbWU6cGFzc3dvcmQK== 'https://<QualysURL>/cloudview-api/rest/v1/actions/pagerduty/test'
```

Request POST Data:

```
{
  "serviceKey": "c391356a9d7d4c6b8a0257ff91cc3842"
}
```

Response:

```
{
  "success": "true"
}
```

Create Slack Action

API affected	/rest/v1/actions/slack
New or Updated APIs	New
Operator	POST

You can create an alert to be notified through Slack. Specify the necessary details in the request body that are required for Slack such as action name, action description, the recipient details, whom the alert should be sent to and so on.

Input Parameters

Parameter	Description
slackRequest	(body) Specify the action actionName, actionDescription, and recipients and so on. Refer to the following example for exact syntax. <pre>{ "actionDescription": "string", "actionName": "string", "channel": "string", "webhookUri": "string" }</pre> Where, actionDescription: description that tells the purpose of the action actionName: name of the action channel: the channel name of your slack account webhookUri: the Webhook URI required to connect to your slack account to post alert messages.

Sample - Create Slack action

API request:

```
curl -X POST --header 'Content-Type: application/json' --header 'Accept: application/json' --header 'Authorization: Basic dXNlcm5hbWU6cGFzc3dvcmQK==' 'https://<QualysURL>/cloudview-api/rest/v1/actions/slack'
```

Request POST Data:

```
{
  "actionDescription": "Sample slack action description",
  "actionName": "Sample slack action",
  "channel": "Sample-slack"
  "webhookUri":
    "https://hooks.slack.com/services/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"
}
```

Response:

```
{
  "success": "bd786210-9965-11e8-ab43-6187ace8f6e8"
}
```

Update Slack action

API affected	/rest/v1/actions/slack/{slackActionId}
New or Updated APIs	New
Operator	PUT

You can update the action to be notified through Slack. Specify the necessary details in the request body that are required for Slack such as action name, action description, the recipient details, whom the alert should be sent to and so on.

Input Parameters

Parameter	Description
slackActionId	(mandatory) (integer) Specify the slackAction ID of a specific action in the user's scope.
pagerdutyRequest	(mandatory) (body) Specify the actionName, actionDescription, and recipients and so on. Refer to the following example for exact syntax. <pre>{ "actionDescription": "string", "actionName": "string", "channel": "string", "webhookUri": "string" }</pre> Where, actionDescription: description that tells the purpose of the action actionName: name of the action channel: the channel name of your slack account webhookUri: the Webhook URI required to connect to your slack account to post alert messages.

Sample - Update Slack action

API request:

```
curl -X PUT --header 'Content-Type: application/json' --header 'Accept: application/json' --header 'Authorization: Basic dXNlcm5hbWU6cGFzc3dvcmQK== 'https://<QualysURL>/cloudview-api/rest/v1/actions/slack/bd786210-9965-11e8-ab43-6187ace8f6e8'
```

Request POST Data:

```
{
  "actionDescription": "Update sample slack action description",
  "actionName": "Sample slack action",
  "channel": "Sample-slack"
  "webhookUri":
  "https://hooks.slack.com/services/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"
}
```

Response:

```
{
  "success": "bd786210-9965-11e8-ab43-6187ace8f6e8"
}
```

Test Slack action

API affected	/rest/v1/actions/slack/test
New or Updated APIs	New
Operator	POST

You can execute a test action to check if Slack is reachable or not.

Input Parameters

Parameter	Description
slackConnectionParam	(mandatory) (integer) Specify the channel and webhookUri of your Slack account used to create the action. Example: <pre>{ "channel": "Sample-channel", "webhookUri": "https://hooks.slack.com/services/T95RLRTSL/ BRD8PBJ06/oxQZYxmrBEIex6Mh0R6mMmpl" }</pre>

Sample - Test Slack Action

API request:

```
curl -X POST --header 'Content-Type: application/json' --header 'Accept:
application/json' --header 'Authorization: Basic
dXNlcm5hbWU6cGFzc3dvcmQK==
'https://<QualysURL>/cloudview-api/rest/v1/actions/slack/test'
```

Request POST Data:

```
{
  "channel": "Sample Slack",
  "webhookUri":
    "https://hooks.slack.com/services/T95RLRTSL/BRD8PBJ06/oxQZSxmrBEIex5Mh0R7
    mMmpl"
}
```

Response:

```
{
  "success": "true"
}
```

Get all possible action types

API affected	/rest/v1/actions/types
New or Updated APIs	New
Operator	GET

Fetch the list of actions type supported: qemail, Slack, and PagerDuty.

Sample - Get the list of all action types

API request:

```
curl -X GET --header 'Accept: application/json' --header 'Authorization:
Basic dXNlcm5hbWU6cGFzc3dvcmQK=='
'https://<QualysURL>/cloudview-api/rest/v1/actions/types'
```

Response:

```
[
  "qemail",
  "slack",
  "pagerduty"
]
```

Response Notifications API (Beta)

We support following actions for the Response Notifications API:

[Get Activities](#)

[Get Activities by Id](#)

Get Activities

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

You can get the list of activities using this API. You can view the activities for a particular cloud provider.

Input Parameters

Parameter	Description
cloudType	(mandatory) Select the cloud provider from AWS, Azure, or GCP.
filter	Form the search query using the filters we provide to refine the search for certain criteria. Filters supported: - ruleName - rule.description - status - statusDate - aggregate - createdBy - createdById - action.name - action.type - action.message - action.subject - action.emailRecipient - action.slackChannel For detailed information on filters, refer to the CloudView API User Guide.
pageNo	(mandatory) (integer) The page to be returned.
pageSize	(mandatory) (integer) The number of records per page to be included in the response.
sortField	Specify the field that decides the sort order for the actions.
sortOrder {asc desc}	Specify if the sorting needs to be ascending or descending order.

Sample - Get the list of activities

Let us get the activities that are created by a specific user.

API request:

```
curl -X GET --header 'Accept: application/json' --header 'Authorization: Basic dXNlcm5hbWU6cGFzc3dvcmQK==' 'https://<QualysURL>/\cloudview-api/rest/v1/activities?cloudType=AWS&pageNo=1&pageSize=50&sortOrder=asc'
```

Response:

```
[
  {
    "actionId": "1f695df0-6da2-11ea-8910-77b847f40d61",
```

```
    "actionName": "slack cv public api",
    "actionType": "slack",
    "aggregate": true,
    "alert": "Qualys CloudView: Cloud Security Assessment
Alerts\n\nMEDIUM Severity Control Failure Detected for CID
99*\n\nAffected Resource*\n\n\tresourceId:arn:aws:lambda:us-east-
1:205767712438:function:DbParser\n\n\tresourceType:LAMBDA\n\n\tservice:LAMBDA
\n\tregion:us-east-
1\n\n\tcloudType:AWS\n\n\taccountId:205767712438\n\n\tconnectorId:f8c3b440-
4eaf-11ea-bfef-0dd8ca3bcd2e\n\n\tEvaluation Summary*\n\n\tcontrolName:Ensure
that Multiple Triggers are not configured in $Latest Lambda
Function\n\n\tcontrolId:99\n\n\tpolicyName:AWS Lambda Best Practices
Policy\n\n\tevaluatedOn:1585314207189\n\n\tevaluationDates:\n\n\t\t\tfirstEvaluat
ed:
1581636117067\n\n\t\t\tlastEvaluated:1585314207189\n\n\t\t\tResults*\n\n\t\t\tresult:
FAIL\n\n\t\t\tevidences:\n\n\t\t\t\tsettingName:[Total Triggers , Multiple Triggers,
Function Arn, Function Name, Role Arn]\n\n\t\t\t\tactualValue: [2, Yes,
arn:aws:lambda:us-east-1:205767712438:function:DbParser, DbParser,
arn:aws:iam::205767712438:role/hello-lambda-role]\n\n\t\t\t\tYours
Sincerely,\n\n\t\t\t\tQualys Support Team\n\n\t\t\t\t\n\n\t\t\t\tFor any assistance, please contact
our <mailto:support@qualys.com | customer support team.>",
    "createdBy": "John Doe",
    "createdById": "user_john",
    "cloudType": "AWS",
    "emailRecipients": [],
    "id": "706cbae0-702b-11ea-80dd-7d15cdc80752",
    "ruleDescription": "Slack 1",
    "ruleId": "3dfc5050-7028-11ea-beeb-3fad76b6f6b5",
    "ruleName": "slack 01 aws",
    "slackChannel": "sample_slack",
    "status": "SUCCESS",
    "statusDate": 1585314246662,
    "isRuleDeleted": false
  },
  {
    "actionId": "f913b4a0-6d9e-11ea-97c4-57de4ff3eb79",
    "actionName": "Public ApI",
    "actionType": "qemail",
    "aggregate": true,
    "alert": "Qualys CloudView: Cloud Security Assessment Alerts\n\nLOW
Severity Control Failure Detected for CID 100\n\nAffected
Resource*\n\n\tresourceId:arn:aws:lambda:us-east-
1:205767712438:function:shilpa-
test1\n\n\tresourceType:LAMBDA\n\n\tservice:LAMBDA\n\n\tregion:us-east-
1\n\n\tcloudType:AWS\n\n\taccountId:205767712438\n\n\tconnectorId:f8c3b440-
4eaf-11ea-bfef-0dd8ca3bcd2e\n\n\tgroupName:[ppp, ankur,
test]\n\n\tEvaluation Summary*\n\n\tcontrolName:Ensure that Lambda Runtime
Version is latest and not custom\n\n\tcontrolId:100\n\n\tpolicyName:AWS Lambda
Best Practices
```

```
Policy\n\tevaluatedOn:1585314195595\n\tevaluationDates:\n\t\tfirstEvaluat
ed:1584715642767\n\t\tlastEvaluated:1585314195595\n\n*Results*\n\tresult:
FAIL\n\tevidences:\n\t\tsettingName:[Runtime Environment Version,
Function Arn, Latest Runtime, Function Name, Role
Arn]\n\t\tactualValue:[python3.7, arn:aws:lambda:us-east-
1:205767712438:function:shilpa-test1, No, shilpa-test1,
arn:aws:iam::205767712438:role/service-role/shilpa-test1-role-
7t1eghd1]\n\nYours Sincerely,\nQualys Support Team\n\n\nFor any
assistance, please contact our customer support team.",
  "createdBy": "John Doe",
  "createdById": "user_john",
  "cloudType": "AWS",
  "emailRecipients": [
    "apande@qualys.com"
  ],
  "id": "6eb1c470-702b-11ea-80dd-7d15cdc80752",
  "ruleDescription": "Test1",
  "ruleId": "12ec9a00-7028-11ea-beeb-3fad76b6f6b5",
  "ruleName": "test01 aws",
  "status": "SUCCESS",
  "statusDate": 1585314244003,
  "subject": "Public API testing",
  "isRuleDeleted": false
},
{
  "actionId": "1f695df0-6da2-11ea-8910-77b847f40d61",
  "actionName": "slack public api",
  "actionType": "slack",
  "aggregate": true,
  "alert": "Qualys CloudView: Cloud Security Assessment
Alerts\n\n*MEDIUM Severity Control Failure Detected for CID
99*\n\n*Affected Resource*\n\tresourceId:arn:aws:lambda:ap-south-
1:205767712438:function:unit_test_case\n\tresourceType:LAMBDA\n\tservice:
LAMBDA\n\tregion:ap-south-
1\n\tcloudType:AWS\n\taccountId:205767712438\n\tconnectorId:f8c3b440-
4eaf-11ea-bfef-0dd8ca3bcd2e\n\n*Evaluation Summary*\n\tcontrolName:Ensure
that Multiple Triggers are not configured in $Latest Lambda
Function\n\tcontrolId:99\n\tpolicyName:AWS Lambda Best Practices
Policy\n\tevaluatedOn:1585314370981\n\tevaluationDates:\n\t\tfirstEvaluat
ed:
1581636151034\n\t\tlastEvaluated:1585314370981\n\n*Results*\n\tresult:
FAIL\n\tevidences:\n\t\tsettingName:[Total Triggers , Multiple Triggers,
Function Arn, Function Name, Role Arn]\n\t\tactualValue: [2, Yes,
arn:aws:lambda:ap-south-1:205767712438:function:unit_test_case,
unit_test_case, arn:aws:iam::205767712438:role/hello-lambda-
role]\n\nYours Sincerely,\nQualys Support Team\n\n\nFor any assistance,
please contact our <mailto:support@qualys.com | customer support team.>",
  "createdBy": "John Doe",
  "createdById": "user_john",
```

```

    "cloudType": "AWS",
    "emailRecipients": [],
    "id": "be221230-702b-11ea-80dd-7d15cdc80752",
    "ruleDescription": "Slack 1",
    "ruleId": "3dfc5050-7028-11ea-beeb-3fad76b6f6b5",
    "ruleName": "slack 01 aws",
    "slackChannel": "sample_slack",
    "status": "SUCCESS",
    "statusDate": 1585314376806,
    "isRuleDeleted": false
  },
  {
    "actionId": "f913b4a0-6d9e-11ea-97c4-57de4ff3eb79",
    "actionName": "Public ApI",
    "actionType": "qemail",
    "aggregate": true,
    "alert": "Qualys CloudView: Cloud Security Assessment Alerts\n\nLOW
Severity Control Failure Detected for CID 100\n\n*Affected
Resource*\n\tresourceId:arn:aws:lambda:us-east-
1:205767712438:function:shilpa-
test2\n\tresourceType:LAMBDA\n\tservice:LAMBDA\n\tregion:us-east-
1\n\tcloudType:AWS\n\taccountId:205767712438\n\tconnectorId:f8c3b440-
4eaf-11ea-bfef-0dd8ca3bcd2e\n\tgroupName:[ppp, ankur,
test]\n\n*Evaluation Summary*\n\tcontrolName:Ensure that Lambda Runtime
Version is latest and not custom\n\tcontrolId:100\n\tpolicyName:AWS Lambda
Best Practices
Policy\n\tevaluatedOn:1585314191555\n\tevaluationDates:\n\t\tfirstEvaluat
ed:1584715642767\n\t\tlastEvaluated:1585314191555\n\n*Results*\n\tresult:
FAIL\n\tevidences:\n\t\tsettingName:[Runtime Environment Version,
Function Arn, Latest Runtime, Function Name, Role
Arn]\n\t\tactualValue:[java8, arn:aws:lambda:us-east-
1:205767712438:function:shilpa-test2, No, shilpa-test2,
arn:aws:iam::205767712438:role/service-role/shilpa-test2-role-
rffj2u9t]\n\nYours Sincerely,\nQualys Support Team\n\n\nFor any
assistance, please contact our customer support team.",
    "createdBy": "John Doe",
    "createdById": "user_john",
    "cloudType": "AWS",
    "emailRecipients": [
      "apande@qualys.com"
    ],
    "id": "555f8750-702b-11ea-80dd-7d15cdc80752",
    "ruleDescription": "Test1",
    "ruleId": "12ec9a00-7028-11ea-beeb-3fad76b6f6b5",
    "ruleName": "test01 aws",
    "status": "SUCCESS",
    "statusDate": 1585314201195,
    "subject": "Public API testing",
    "isRuleDeleted": false
  }

```

```

},
{
  "actionId": "1f695df0-6da2-11ea-8910-77b847f40d61",
  "actionName": "slack cv public api",
  "actionType": "slack",
  "aggregate": true,
  "alert": "Qualys CloudView: Cloud Security Assessment Alerts\n\n*MEDIUM Severity Control Failure Detected for CID 99*\n\n*Affected Resource*\n\tresourceId:arn:aws:lambda:us-east-1:205767712438:function:getEntitlementLambdaEast\n\tresourceType:LAMBDA\n\tservice:LAMBDA\n\tregion:us-east-1\n\tcloudType:AWS\n\taccountId:205767712438\n\tconnectorId:f8c3b440-4eaf-11ea-bfef-0dd8ca3bcd2e\n\n*Evaluation Summary*\n\tcontrolName:Ensure that Multiple Triggers are not configured in $Latest Lambda Function\n\tcontrolId:99\n\tpolicyName:AWS Lambda Best Practices Policy\n\tevaluatedOn:1585314208935\n\tevaluationDates:\n\t\ttfirstEvaluated:1581636116942\n\t\ttlastEvaluated:1585314208935\n\n*Results*\n\tresult:FAIL\n\tevidences:\n\t\ttsettingName:[Total Triggers , Multiple Triggers, Function Arn, Function Name, Role Arn]\n\t\ttactualValue: [2, Yes, arn:aws:lambda:us-east-1:205767712438:function:getEntitlementLambdaEast, getEntitlementLambdaEast, arn:aws:iam::205767712438:role/BizApps_Lambda_Role]\n\nYours Sincerely,\nQualys Support Team\n\nFor any assistance, please contact our <mailto:support@qualys.com | customer support team.>",
  "createdBy": "John Doe",
  "createdById": "user_john",
  "cloudType": "AWS",
  "emailRecipients": [],
  "id": "72652f80-702b-11ea-80dd-7d15cdc80752",
  "ruleDescription": "Slack 1",
  "ruleId": "3dfc5050-7028-11ea-beeb-3fad76b6f6b5",
  "ruleName": "slack 01 aws",
  "slackChannel": "sample_slack",
  "status": "SUCCESS",
  "statusDate": 1585314249790,
  "isRuleDeleted": false
}
]
]

```

Get Activities by Id

API affected	/rest/v1/activities/{activityId}
New or Updated APIs	New
Operator	GET

You can get the list of activities using this API. You can search for activities using filters based on criteria you want.

Input Parameters

Parameter	Description
activityId	(mandatory) (integer) Specify the ID of activity in the user's scope.

Sample - Get activity details using the activity Id

API request:

```
curl -X GET --header 'Accept: application/json' --header 'Authorization: Basic dXNlcm5hbWU6cGFzc3dvcmQK==' 'https://<QualysURL>/cloudview-api/rest/v1/activities/72652f80-702b-11ea-80dd-7d15cdc80752'
```

Response:

```
{
  "actionId": "1f695df0-6da2-11ea-8910-77b847f40d61",
  "actionName": "Sample Slack Action",
  "actionType": "slack",
  "aggregate": true,
  "alert": "Qualys CloudView: Cloud Security Assessment Alerts\n\n*MEDIUM Severity Control Failure Detected for CID 99*\n\n*Affected Resource*\n\tresourceId:arn:aws:lambda:us-east-1:205767712438:function:getEntitlementLambdaEast\n\tresourceType:LAMBDA\n\tservice:LAMBDA\n\tregion:us-east-1\n\tcloudType:AWS\n\taccountId:205767712438\n\tconnectorId:f8c3b440-4eaf-11ea-bfef-0dd8ca3bcd2e\n\n*Evaluation Summary*\n\tcontrolName:Ensure that Multiple Triggers are not configured in $Latest Lambda Function\n\tcontrolId:99\n\tpolicyName:AWS Lambda Best Practices Policy\n\tevaluatedOn:1585314208935\n\tevaluationDates:\n\t\tfirstEvaluated:1581636116942\n\t\tlastEvaluated:1585314208935\n\n*Results*\n\tresult:FAIL\n\tevidences:\n\t\tsettingName:[Total Triggers , Multiple Triggers, Function Arn, Function Name, Role Arn]\n\t\tactualValue: [2, Yes, arn:aws:lambda:us-east-1:205767712438:function:getEntitlementLambdaEast, getEntitlementLambdaEast,
```

```
arn:aws:iam::205767712438:role/BizApps_Lambda_Role]\n\nYours  
Sincerely,\nQualys Support Team\n\n\nFor any assistance, please contact  
our <mailto:support@qualys.com | customer support team.>",  
  "createdBy": "John Doe",  
  "createdById": "user_john",  
  "cloudType": "AWS",  
  "emailRecipients": [],  
  "id": "72652f80-702b-11ea-80dd-7d15cdc80752",  
  "ruleDescription": "Slack 1",  
  "ruleId": "3dfc5050-7028-11ea-beeb-3fad76b6f6b5",  
  "ruleName": "slack 01 aws",  
  "slackChannel": "Sample-slack-channel",  
  "status": "SUCCESS",  
  "statusDate": 1585314249790,  
  "isRuleDeleted": false  
}
```

Response Rules API (Beta)

We provide APIs to create rule, update a rule, delete a rule, enable or disable rules. Before you proceed with creation of rules, ensure that you have pre-defined actions for the rule.

[Get Rules](#)

[Get Rule by Id](#)

[Create a new Rule](#)

[Update Rule](#)

[Delete Rule](#)

[Disable Rule](#)

[Enable Rule](#)

Get Rules

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

You can get the list of rules using this API. You can search for rules for a cloud provider using filters we support

Input Parameters

Parameter	Description
cloudType	(mandatory) Select the cloud provider from AWS, Azure, or GCP.
filter	Form the search query using the filters we provide to refine the search for rules. Filters supported: - ruleName - rule.description - trigger - ruleQuery - createdBy - createdById - updatedBy - updatedById - ruleState - createdDate - updatedDate - lastRun - aggregate - action.message - action.subject - action.slackChannel - action.emailRecipient - action.type - action.name For detailed information on filters, refer to the CloudView API User Guide.
pageNo	(mandatory) (integer) The page to be returned.
pageSize	(mandatory) (integer) The number of records per page to be included in the response.
ruleType	(mandatory) Select the type of rule for which alert should be sent. The rule types are: simple_alert, time_window_schedule-alert.
sortField	Specify the field that decides the sort order for the rules.
sortOrder {asc desc}	Specify if the sorting needs to be ascending or descending order.

Sample - Get the list of rules

Let us get the rules for simple_alerts rule type for AWS cloud provider.

API request:

```
curl -X GET --header 'Accept: application/json' --header 'Authorization:
Basic dXNlcm5hbWU6cGFzc3dvcmQK=='
'https://<QualysURL>/cloudview-
api/rest/v1/rules?cloudType=AWS&pageNo=1&pageSize=50&ruleType=simple_aler
t&sortOrder=asc'
```

Response:

```
[
  {
    "id": "3dfc5050-7028-11ea-beeb-3fad76b6f6b5",
    "cloudType": "AWS",
    "ruleType": "simple_alert",
    "name": "slack 01 aws",
    "description": "Slack 1",
    "qql": "cid:99 and account.id:XXXXXXXXXXXXand control.result:FAIL",
    "aggregate": false,
    "actions": [
      {
        "id": "1f695df0-6da2-11ea-8910-77b847f40d61",
        "actionType": "slack",
        "name": "slack cv public api",
        "subject": null,
        "alert": "Qualys CloudView: Cloud Security Assessment
Alerts\n\n*${control.criticality} Severity Control Failure Detected for
CID ${cid}*\n\n*Affected
Resource*\n\tresourceId:${resource.id}\n\tresourceType:${resource.type}\n
\tservice:${service.type}\n\tregion:${region}\n\tcloudType:${provider.typ
e}\n\taccountId:${account.id}\n\tconnectorId:${connectorUuid}\n\n*Evaluat
ion
Summary*\n\tcontrolName:${control.name}\n\tcontrolId:${cid}\n\tpolicyName
:${policyName}\n\tevaluatedOn:${evaluatedOn}\n\tevaluationDates:\n\t\tfir
stEvaluated:
${firstEvaluated}\n\t\tlastEvaluated:${lastEvaluated}\n\n*Results*\n\tres
ult:
${control.result}\n\tevidences:\n\t\tsettingName:${evidences.key}\n\t\tac
tualValue: ${evidences.value}\n\nYours Sincerely,\nQualys Support
Team\n\n\nFor any assistance, please contact our
<mailto:support@qualys.com | customer support team.>",
        "emailRecipients": null,
        "slackChannel": "Sample-slack",
        "subjectParameters": [],
        "bodyParameters": []
      }
    ],
    "created": "2020-03-27T12:41:12.917+0000",
    "createdBy": "John Doe",
    "createdById": "user_john",
    "updated": "2020-03-27T12:41:12.917+0000",
```

```

    "updatedBy": "John Doe",
    "updatedById": "user_john",
    "lastRun": "2020-04-29T05:39:32.974+0000",
    "ruleState": "DISABLED",
    "durationHour": 0,
    "fromHourInUTC": 0,
    "fromMinuteInUTC": 0
  },
  {
    "id": "368fea00-702a-11ea-beeb-3fad76b6f6b5",
    "cloudType": "AWS",
    "ruleType": "time_window_schedule_alert",
    "days": [
      1,
      2,
      3,
      4,
      5,
      6,
      7
    ],
    "name": "time window",
    "description": "Time",
    "qql": "cid:98 and accountGroup:Sample and control.result:FAIL",
    "aggregate": true,
    "aggregationKey": "account.id",
    "actions": [
      {
        "id": "2a8bda80-7029-11ea-beeb-3fad76b6f6b5",
        "actionType": "qemail",
        "name": "Time email",
        "subject": "Time window",
        "alert": "Qualys CloudView: Cloud Security Assessment
Alerts\n\n${control.criticality} Severity Control Failure Detected for CID
${cid}\n\n*Affected
Resource*\n\tresourceId:${resource.id}\n\tresourceType:${resource.type}\n
\tservice:${service.type}\n\tregion:${region}\n\tcloudType:${provider.typ
e}\n\taccountId:${account.id}\n\tconnectorId:${connectorUuid}\n\tgroupName
e:${accountGroup}\n\n*Evaluation
Summary*\n\tcontrolName:${control.name}\n\tcontrolId:${cid}\n\tpolicyName
:${policyName}\n\tevaluatedOn:${evaluatedOn}\n\tevaluationDates:\n\t\tfir
stEvaluated:${firstEvaluated}\n\t\tlastEvaluated:${lastEvaluated}\n\n*Res
ults*\n\tresult:${control.result}\n\tevidences:\n\t\tsettingName:${eviden
ces.key}\n\t\tactualValue:${evidences.value}\n\nYours Sincerely,\nQualys
Support Team\n\n\nFor any assistance, please contact our customer support
team.",
        "emailRecipients": [
          "abc@example.com"
        ]
      }
    ]
  },

```

```

    "slackChannel": null,
    "subjectParameters": [],
    "bodyParameters": []
  }
],
"created": "2020-03-27T12:55:19.456+0000",
"createdBy": "John Doe",
"createdById": "user_john",
"updated": "2020-03-27T12:55:19.456+0000",
"updatedBy": "John Doe",
"updatedById": "user_john",
"lastRun": "2020-03-27T14:00:00.163+0000",
"ruleState": "DISABLED",
"durationHour": 3600000,
"fromHourInUTC": 13,
"fromMinuteInUTC": 0
},
{
  "id": "12ec9a00-7028-11ea-beeb-3fad76b6f6b5",
  "cloudType": "AWS",
  "ruleType": "simple_alert",
  "name": "test01 aws",
  "description": "Test1",
  "qql": "cid:100 and account.id:XXXXXXXXXXXXand control.result:FAIL and firstEvaluated:[now-1M .. now]",
  "aggregate": false,
  "actions": [
    {
      "id": "f913b4a0-6d9e-11ea-97c4-57de4ff3eb79",
      "actionType": "qemail",
      "name": "Public Api",
      "subject": "Public API testing",
      "alert": "Qualys CloudView: Cloud Security Assessment Alerts\n\n${control.criticality} Severity Control Failure Detected for CID ${cid}\n\n*Affected Resource*\n\n\tresourceId:${resource.id}\n\tresourceType:${resource.type}\n\tservice:${service.type}\n\tregion:${region}\n\tcloudType:${provider.type}\n\taccountId:${account.id}\n\tconnectorId:${connectorUuid}\n\tgroupName:${accountGroup}\n\n*Evaluation Summary*\n\n\tcontrolName:${control.name}\n\tcontrolId:${cid}\n\tpolicyName:${policyName}\n\tevaluatedOn:${evaluatedOn}\n\tevaluationDates:\n\t\tfirstEvaluated:${firstEvaluated}\n\t\tlastEvaluated:${lastEvaluated}\n\n*Results*\n\n\tresult:${control.result}\n\tevidences:\n\t\tsettingName:${evidences.key}\n\t\tactualValue:${evidences.value}\n\nYours Sincerely,\nQualys Support Team\n\n\nFor any assistance, please contact our customer support team.",
      "emailRecipients": [
        "abc@example.com"
      ],
    },
  ]
},

```

```

        "slackChannel": null,
        "subjectParameters": [],
        "bodyParameters": []
    }
},
"created": "2020-03-27T12:40:00.672+0000",
"createdBy": "John Doe",
"createdById": "user_john",
"updated": "2020-03-27T12:40:00.672+0000",
"updatedBy": "John Doe",
"updatedById": "user_john",
"lastRun": "2020-03-27T13:04:03.135+0000",
"ruleState": "DISABLED",
"durationHour": 0,
"fromHourInUTC": 0,
"fromMinuteInUTC": 0
},
{
    "id": "dcf05f80-8ad1-11ea-9f4c-35b43d39dafc",
    "cloudType": "AWS",
    "ruleType": "simple_alert",
    "name": "slack New template rule 01",
    "description": "slack New Template",
    "qql": "cid:99 and account.id:XXXXXXXXXXXXand control.result:FAIL",
    "aggregate": false,
    "actions": [
        {
            "id": "51cba540-8ad1-11ea-9f4c-35b43d39dafc",
            "actionType": "slack",
            "name": "slack new template",
            "subject": null,
            "alert": "Qualys CloudView: Cloud Security Assessment Alerts\n\nAn
assessment failure has been identified for resource \"${resource.id}\" and
control \"${cid}\" in your Qualys subscription.\n\n*Impacted
Resource*\n\tresourceId:${resource.id}\n\tresourceType:${resource.type}\n
\tservice:${service.type}\n\tregion:${region}\n\tcloudType:${provider.typ
e}\n\taccountId:${account.id}\n\tconnectorId:${connectorUuid}\n\tgroupName
e:${accountGroup}\n\n*Evaluation
Summary*\n\tcontrolName:${control.name}\n\tcontrolId:${cid}\n\tpolicyName
:${policyName}\n\tevaluatedOn:${evaluatedOnDateFormat}\n\tevaluationDates
:\n\t\tfirstEvaluated:${firstEvaluatedDateFormat}\n\t\tlastEvaluated:${la
stEvaluatedDateFormat}\n\n*Evidence*\n\tresult:${control.result}\n\teviden
ces:\n\t\tsettingName:${evidences.key}\n\t\tactualValue:${evidences.valu
e}\n\nUse this information here to investigate the failure and take
appropriate actions to fix it.",
            "emailRecipients": null,
            "slackChannel": "Sample-slack",
            "subjectParameters": [],
            "bodyParameters": []
        }
    ]
}

```

```

    }
  ],
  "created": "2020-04-30T11:00:54.776+0000",
  "createdBy": "John Doe",
  "createdById": "user_john",
  "updated": "2020-04-30T11:00:54.776+0000",
  "updatedBy": "John Doe",
  "updatedById": "user_john",
  "lastRun": "2020-04-30T11:10:36.749+0000",
  "ruleState": "ENABLED",
  "durationHour": 0,
  "fromHourInUTC": 0,
  "fromMinuteInUTC": 0
}
]

```

Get Rule by Id

API affected	/rest/v1/rules/{ruleId}
New or Updated APIs	New
Operator	GET

Specify the rule ID and fetch rule details.

Input Parameters

Parameter	Description
ruleId	(mandatory) (integer) Specify the ID of rule in the user's scope.

Sample - Get rule details using the rule Id

API request:

```

curl -X GET --header 'Accept: application/json' --header 'Authorization:
Basic dXNlcm5hbWU6cGFzc3dvcmQK=='
'https://<QualysURL>/cloudview-api/rest/v1/rules/368fea00-702a-11ea-beeb-
3fad76b6f6b5'

```

Response:

```

{
  "id": "368fea00-702a-11ea-beeb-3fad76b6f6b5",
  "cloudType": "AWS",
  "ruleType": "time_window_schedule_alert",
  "days": [
    1,
    2,

```

```

3,
4,
5,
6,
7
],
"name": "time window",
"description": "Time",
"qql": "cid:98 and accountGroup:sampleaccount and control.result:FAIL",
"aggregate": true,
"aggregationKey": "account.id",
"actions": [
{
  "id": "2a8bda80-7029-11ea-beeb-3fad76b6f6b5",
  "actionType": "qemail",
  "name": "Time email",
  "subject": "Time window",
  "alert": "Qualys CloudView: Cloud Security Assessment
Alerts\n\n${control.criticality} Severity Control Failure Detected for CID
${cid}\n\n*Affected
Resource*\n\tresourceId:${resource.id}\n\tresourceType:${resource.type}\n
\tservice:${service.type}\n\tregion:${region}\n\tcloudType:${provider.type}
\taccountId:${account.id}\n\tconnectorId:${connectorUuid}\n\tgroupName:
${accountGroup}\n\n*Evaluation
Summary*\n\tcontrolName:${control.name}\n\tcontrolId:${cid}\n\tpolicyName:
${policyName}\n\tevaluatedOn:${evaluatedOn}\n\tevaluationDates:\n\t\tfir
stEvaluated:${firstEvaluated}\n\t\tlastEvaluated:${lastEvaluated}\n\n*Res
ults*\n\tresult:${control.result}\n\tevidences:\n\t\tsettingName:${eviden
ces.key}\n\t\tactualValue:${evidences.value}\n\nYours Sincerely,\nQualys
Support Team\n\n\nFor any assistance, please contact our customer support
team.",
  "emailRecipients": [
    "abc@example.com"
  ],
  "slackChannel": null,
  "subjectParameters": [],
  "bodyParameters": []
}
],
"created": "2020-03-27T12:55:19.456+0000",
"createdBy": "John Doe",
"createdById": "user_john",
"updated": "2020-03-27T12:55:19.456+0000",
"updatedBy": "John Doe",
"updatedById": "user_john",
"ruleState": "ENABLED",
"durationHour": 3600000,
"fromHourInUTC": 13,
"fromMinuteInUTC": 0

```

```
}
```

Create a new Rule

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

You can create rule and specify the criteria for the alert to be generated using the actions you define. Specify the necessary details in the request body that are required to create rule such as `actionId`, `actionType`, `emailRecipients`, `emailSubject`, and so on.

Input Parameters

Parameter	Description
cloudType	(mandatory) Select the cloud provider from AWS, Azure, or GCP.
ruleType	Select the rule type: <code>simple_alert</code> or <code>time_window_schedule_alert</code> . Depending on the rule type you select, the elements in the <code>ruleBody</code> are different. Simple_alert For <code>simple_alert</code> rule type, below parameters are optional. <code>aggregate</code> <code>aggregationKey</code> <code>durationHour</code> <code>fromHourInUTC</code> <code>fromMinuteInUTC</code> time_window_schedule_alert For <code>time_window_schedule_alert</code> rule type, you need to provide all the parameters.

Parameter	Description
ruleBody	(body) Specify the different elements needed in the request body for a rule. Refer to the following example for exact syntax. <pre>{ "actionRequests": [{ "actionId": "string", "actionType": "qemail", "emailRecipients": ["string"], "emailSubject": "string", "pagerSubjectLine": "string", "slackChannel": "string" }], "aggregate": true, "aggregationKey": "string", "description": "string", "durationHour": 0, "fromHourInUTC": 0, "fromMinuteInUTC": 0, "name": "string", "qql": "string" }</pre> Where, actionId: ID of the action you have defined. actionType: type of the action to be implemented: qemail, pagerduty, or slack. emailRecipients: valid email ID of the recipients to whom the alert should be sent. You can provide multiple email IDs separated by comma. Depending on the application mode you choose to send alerts, you may define either one or more elements: emailSubject: subject of the email action pagerSubjectLine: subject for alert using PagerDuty application slackChannel: name of the channel to access Slack application

Sample - Create a rule using Slack application

API request:

```
curl -X POST --header 'Content-Type: application/json' --header 'Accept: application/json' --header 'Authorization: Basic dXNlcm5hbWU6cGFzc3dvcmQK== 'https://<QualysURL>/cloudview-api/rest/v1/rules?cloudType=AWS&ruleType=time_window_schedule_alert'
```

Request POST Data:

```
{
  "actionRequests": [
    {
      "actionId": "b2af9830-5dfe-11ea-b157-8ba65cd99c15",
      "actionType": "slack"
    }
  ],
  "aggregate": true,
  "aggregationKey": "region",
  "description": "Slack Public API Rule",
  "durationHour": 0,
  "fromHourInUTC": 0,
  "fromMinuteInUTC": 0,
  "name": "Slack Api",
  "qql": "cid:99 and account.id:XXXXXXXXXXXX and control.result:FAIL and firstEvaluated:[now-4M .. now]"
}
```

Response:

```
{
  "success": "5ac209e0-9966-11e8-ab43-6187ace8f6e8"
}
```

Update Rule

API affected	/rest/v1/actions/email/{emailActionId}
New or Updated APIs	New
Operator	PUT

You can update rules. Specify the necessary details in the request body that are required to update an rules such as action ID, action name, action description, the recipient details, whom the email should be sent to and so on.

Input Parameters

Parameter	Description
ruleId	(mandatory) (integer) Specify the ID of rule in the user's scope.
ruleBody	(body) Specify the different elements needed in the request body for a rule. Refer to the following example for exact syntax. <pre>{ "actionRequests": [{ "actionId": "string", "actionType": "qemail", "emailRecipients": ["string"], "emailSubject": "string", "pagerSubjectLine": "string", "slackChannel": "string" }], "aggregate": true, "aggregationKey": "string", "description": "string", "durationHour": 0, "fromHourInUTC": 0, "fromMinuteInUTC": 0, "name": "string", "qql": "string" }</pre> Where, actionId: ID of the action you have defined. actionType: type of the action to be implemented: qemail, pagerduty, or slack. emailRecipients: valid email ID of the recipients to whom the alert should be sent. You can provide multiple email IDs separated by comma. Depending on the application mode you choose to send alerts, you may define either one or more elements: emailSubject: subject of the email action pagerSubjectLine: subject for alert using PagerDuty application slackChannel: name of the channel to access Slack application

Sample - Update the rule

Let us update an existing rule.

API request:

```
curl -X PUT --header 'Content-Type: application/json' --header 'Accept: application/json' --header 'Authorization: Basic dXNlcm5hbWU6cGFzc3dvcmQK== 'https://<QualysURL>/cloudview-api/rest/v1/rules/1a841990-5dff-11ea-a923-6b29e6c4cbec?ruleType=simple_alert'
```

Request PUT Data:

```
{
  "actionRequests": [
    {
      "actionId": "b2af9830-5dfe-11ea-b157-8ba65cd99c15",
      "actionType": "slack"
    }
  ],
  "aggregate": true,
  "aggregationKey": "region",
  "description": "Slack Public API Rule",
  "durationHour": 0,
  "fromHourInUTC": 0,
  "fromMinuteInUTC": 0,
  "name": "Slack Api",
  "qql": "cid:99 and account.id:205767712438 and control.result:FAIL and firstEvaluated:[now-4M .. now]"
}
```

Response:

```
{
  "success": "5ac209e0-9966-11e8-ab43-6187ace8f6e8"
}
```

Delete Rule

API affected	/rest/v1/rules/delete
New or Updated APIs	New
Operator	POST

Specify the ID of an existing rule you want to delete and the rule gets deleted. Ensure that the rules you want to delete are disabled. If a rule is enabled, you cannot delete the rule.

Input Parameters

Parameter	Description
ruleIds	(mandatory) (string) Specify the ID of an rules to be deleted. You can provide multiple Ids separated by comma. Example: <pre>{ "ids": ["string"] }</pre>

Sample - Delete rules

API request:

```
curl -X POST --header 'Content-Type: application/json' --header 'Accept: application/json' --header 'Authorization: Basic dXNlcm5hbWU6cGFzc3dvcmQK==' 'https://<QualysURL>/cloudview-api/rest/v1/rules/delete'
```

Request POST Data:

```
{
  "ids": [
    "1a841990-5dff-11ea-a923-6b29e6c4cbec",
    "efbf4080-52dd-11ea-a008-cbe911ab6a51"
  ]
}
```

Response:

Response returns status code 200 with empty map if all rules are deleted:

```
{}
```

Response returns status code 200 with rule detail for rules that cannot be deleted. If rules are in enabled state, you need to disable them before deleting

```
{
  "efbf4080-52dd-11ea-a008-cbe911ab6a51": "Cannot delete enable rule."
}
```

Disable Rule

API affected	/rest/v1/rules/disable
New or Updated APIs	New
Operator	POST

Specify the ID of an existing rule you want to disable and the rule gets disabled.

Input Parameters

Parameter	Description
ruleIds	(mandatory) (string) Specify the ID of an rules to be disabled. You can provide multiple Ids separated by comma. Example: <pre>{ "ids": ["string"] }</pre>

Sample - Disable rules

API request:

```
curl -X POST --header 'Content-Type: application/json' --header 'Accept: application/json' --header 'Authorization: Basic dXNlcm5hbWU6cGFzc3dvcmQK==' 'https://<QualysURL>/cloudview-api/rest/v1/rules/disable'
```

Request POST Data:

```
{
  "ids": [
    "1a841990-5dff-11ea-a923-6b29e6c4cbec",
    "efbf4080-52dd-11ea-a008-cbe911ab6a51"
  ]
}
```

Response:

Response returns status code 200 with empty map if all rules are successfully disabled.

Enable Rule

API affected	/rest/v1/rules/enable
New or Updated APIs	New
Operator	POST

Specify the ID of an existing rule you want to enable and the rule gets enabled. Ensure that the rules you want to enable are disabled.

Input Parameters

Parameter	Description
ruleIds	(mandatory) (string) Specify the ID of an rules to be enabled. You can provide multiple Ids separated by comma. Example: <pre>{ "ids": ["string"] }</pre>

Sample - Enable rules

API request:

```
curl -X POST --header 'Content-Type: application/json' --header 'Accept: application/json' --header 'Authorization: Basic dXNlcm5hbWU6cGFzc3dvcmQK==' 'https://<QualysURL>/cloudview-api/rest/v1/rules/enable'
```

Request POST Data:

```
{
  "ids": [
    "1a841990-5dff-11ea-a923-6b29e6c4cbec",
    "efbf4080-52dd-11ea-a008-cbe911ab6a51"
  ]
}
```

Response:

Response returns status code 200 with empty map, if all rules are successfully enabled.