



# Qualys CloudView v1.x

## API Release Notes

Version 1.9.0.0

October 17, 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

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### 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          | <a href="https://qualysguard.qualys.com">https://qualysguard.qualys.com</a>                           |
| Qualys US Platform 2          | <a href="https://qualysguard.qg2.apps.qualys.com">https://qualysguard.qg2.apps.qualys.com</a>         |
| Qualys US Platform 3          | <a href="https://qualysguard.qg3.apps.qualys.com">https://qualysguard.qg3.apps.qualys.com</a>         |
| Qualys EU Platform 1          | <a href="https://qualysguard.qualys.eu">https://qualysguard.qualys.eu</a>                             |
| Qualys EU Platform 2          | <a href="https://qualysapi.qg2.apps.qualys.eu">https://qualysapi.qg2.apps.qualys.eu</a>               |
| Qualys India Platform 1       | <a href="https://qualysguard.qg1.apps.qualys.in">https://qualysguard.qg1.apps.qualys.in</a>           |
| Qualys Canada Platform        | <a href="https://qualysapi.qg1.apps.qualys.ca">https://qualysapi.qg1.apps.qualys.ca</a>               |
| Qualys Private Cloud Platform | <a href="https://qualysapi.&lt;customer_base_url&gt;">https://qualysapi.&lt;customer_base_url&gt;</a> |

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.

## Connector Groups Management API

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### Get the list of Groups

|                     |                 |
|---------------------|-----------------|
| API affected        | /rest/v1/groups |
| New or Updated APIs | New             |
| Operator            | GET             |

Fetch the list of groups associated with the user.

#### 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 all groups associated with the user

##### API request:

```
curl -X GET --header 'Accept: application/json' --header 'Authorization: Basic dXNlcm5hbWU6cGFzc3dvcmQK==' 'https://<QualysURL>/cloudview-api/rest/v1/groups?pageNo=0&pageSize=3'
```

##### Response:

```
{
  "content": [
    {
      "name": "empty",
      "uuid": "bad111c0-5de8-31ef-1111-4f1c2bd11111",
      "connectors": []
    },
    {
      "name": "sample_1",
      "uuid": "01011f80-fe1d-38c5-1111-56ac16361111",

```

```
"connectors": [
  {
    "connectorUuid": "d0830ee0-c4b7-11e9-b442-ad0de981ea5c",
    "accountIdentifier": "XXXXXXXXXXXX",
    "cloudType": "AWS"
  }
],
{
  "name": "Sample_2_Azure",
  "uuid": "ce7c0d23-af60-320f-b8cb-f6b51b2fb8a5",
  "connectors": [
    {
      "connectorUuid": "5926c280-c587-11e9-9230-31a5d0c73f76",
      "accountIdentifier": "XXXXXXXX-XXXX-XXXX-XXXX-XXXXXXXXXXXX",
      "cloudType": "AZURE"
    },
    {
      "connectorUuid": "2e0c1660-d061-11e9-ad71-df4fba75b3c5",
      "accountIdentifier": "XXXXXXXX-XXXX-XXXX-XXXX-XXXXXXXXXXXX",
      "cloudType": "AZURE"
    }
  ]
},
"pageable": {
  "sort": {
    "unsorted": true,
    "sorted": false
  },
  "pageSize": 3,
  "pageNumber": 0,
  "offset": 0,
  "unpaged": false,
  "paged": true
},
"totalElements": 27,
"last": false,
"totalPages": 9,
"first": true,
"sort": {
  "unsorted": true,
  "sorted": false
},
"numberOfElements": 3,
"size": 3,
"number": 0
}
```

## Create a Group

|                     |                             |
|---------------------|-----------------------------|
| API affected        | /rest/v1/groups/{cloudType} |
| New or Updated APIs | New                         |
| Operator            | POST                        |

You can create new group and use groups to provide access or restrict access to users you create.

### Input Parameters

| Parameter | Description                                                                      |
|-----------|----------------------------------------------------------------------------------|
| groupName | Provide a name for the group you want to create. Ensure that the name is unique. |

### Sample 1 - Create a group

#### API request:

```
curl -X POST --header 'Content-Type: application/json' --header 'Accept: application/json' --header 'Authorization: Basic dXNlcm5hbWU6cGFzc3dvcnQK==' 'https://<QualysURL>/cloudview-api/rest/v1/groups?groupName=sample_group'
```

#### Response:

```
{
  "name": "sample_group",
  "groupId": "745aca99-6ab6-3e1d-8e65-7b4febc0005e"
}
```

## Update Groups for a Connector

|                     |                            |
|---------------------|----------------------------|
| API affected        | /rest/v1/groups/connectors |
| New or Updated APIs | New                        |
| Operator            | POST                       |

You can add or remove the groups associated with the connector.

## Input Parameters

| Parameter                   | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| connectorGroupModifyRequest | <p>Use this to specify the connector group IDs that you want to add and remove groups.</p> <p>Example:</p> <pre>{   "accountIdentifiers": ["string"],   "add": {     "groupIds": ["string"]   },   "remove": {     "groupIds": ["string"]   } }</pre> <p>where,</p> <p><b>accountIdentifiers</b>:The unique identifier associated with a connector. For every cloud provider, the identifier is different.</p> <ul style="list-style-type: none"> <li>- AWS: account ID (Example: 111111111111)</li> <li>- Azure: subscription ID (Example: 11111111-1111-1111-1111-111111111111)</li> <li>- GCP: project ID (Example: sample_gcp)</li> </ul> <p><b>groupIds</b>:Unique Id associated with each group.</p> <p>Example: ea4b240f-c27c-30a6-ba28-8fc9a38fa8d1</p> |
| cloudType                   | Select the cloud provider to which the connector being updated belongs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## Sample 1 - Update connectors in a group

### API request:

```
curl -X POST --header 'Content-Type: application/json' --header 'Accept: application/json' --header 'Authorization: Basic dXNlcm5hbWU6cGFzc3dvcmQK== 'https://<QualysURL>/cloudview-api/rest/v1/groups/connectors?cloudType=GCP'
```

### Request POST Data:

```
{
  "accountIdentifiers": [
    "gcp-demo"
  ],
  "add": {
    "groupIds": [
      "ea4b240f-c27c-30a6-ba28-8fc9a38fa8d1"
    ]
  },
  "remove": {
```

```

    "groupIds": [
      "8b23977c-9f28-3007-8c11-c0469494053f"
    ]
  }
} ' <QualysURL>/cloudview-api/rest/v1/groups/connectors?cloudType=GCP'

```

#### Response:

No Content

Response Code: 204

## Get Group detail using GroupId

|                     |                               |
|---------------------|-------------------------------|
| API affected        | GET /rest/v1/groups/{groupId} |
| New or Updated APIs | New                           |
| Operator            | GET                           |

You can get details of a group by specifying the unique Id associated with a group.

### Input Parameters

| Parameter | Description                                                                                     |
|-----------|-------------------------------------------------------------------------------------------------|
| GroupId   | Unique Id associated with each group.<br>Example: groupId: b3e9036d-b546-30d4-99fb-cb64b15efffa |

### Sample 1 - Get the list of groups

#### API request:

```

curl -X GET --header 'Accept: */*' --header 'Authorization: Basic
dXNlcm5hbWU6cGFzc3dvcmQK=='
'https://<QualysURL>/cloudview-api/rest/v1/groups/2d16e55b-d01a-3fcb-
8239-3d4ea04bc54a'

```

#### Response:

```

{
  "name": "group2",
  "uuid": "2d16e55b-d01a-3fcb-8239-3d4ea04bc54a",
  "connectors": [
    {
      "connectorUuid": "66e7d1f0-c8c2-11e9-9fcb-85661d3ad949",
      "accountIdentifier": "gcp-demo",
      "cloudType": "GCP"
    },
    {

```

```
        "connectorUuid": "271bdec0-d2f1-11e9-93db-85a6f54e372e",  
        "accountIdentifier": "gcp_example_2",  
        "cloudType": "GCP"  
    }  
]  
}
```

## Existing API updates

We have updated our existing APIs for AWS, Azure and GCP connectors to support groups information. We have added the following information in the response that provides the groups associated with the connectors.

Response

```
    "groups": [  
        {  
            "name": "string",  
            "uuid": "string"  
        }  
    ],
```

where,

name: name of the group

uuid: Unique Id assigned to the group

## AWS

|                     |                                                                                                                                                       |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| API affected        | GET /rest/v1/aws/connectors<br>GET /rest/v1/aws/connectors/{connectorId}<br>POST /rest/v1/aws/connectors<br>PUT /rest/v1/aws/connectors/{connectorId} |
| New or Updated APIs | Updated                                                                                                                                               |
| Operator            | GET, POST, PUT, DELETE                                                                                                                                |

## Azure

|                     |                                                                                                                                                               |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| API affected        | GET /rest/v1/azure/connectors<br>GET /rest/v1/azure/connectors/{connectorId}<br>POST /rest/v1/azure/connectors<br>PUT /rest/v1/azure/connectors/{connectorId} |
| New or Updated APIs | Updated                                                                                                                                                       |
| Operator            | GET, POST, PUT, DELETE                                                                                                                                        |

## GCP

|                     |                                                                                                                                                       |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| API affected        | GET /rest/v1/gcp/connectors<br>GET /rest/v1/gcp/connectors/{connectorId}<br>POST /rest/v1/gcp/connectors<br>PUT /rest/v1/gcp/connectors/{connectorId} |
| New or Updated APIs | Updated                                                                                                                                               |
| Operator            | GET, POST, PUT, DELETE                                                                                                                                |

The following sample highlights the group information in AWS connector details response. Similarly, the response for Azure, GCP connectors include the respective group information.

### 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=0&
pageSize=50'
```

#### Response:

```
{
  "content": [
    {
      "name": "New AWS Connector",
```

```
"description": "My Sample Connector for AWS",
"isGovCloud": false,
"isChinaRegion": false,
"awsAccountId": "XXXXXXXXXXXX",
"state": "SUCCESS",
"totalAssets": 0,
"groups": [
  {
    "name": "sample_group",
    "uuid": "745aca99-6ab6-3e1d-8e65-7b4febc0005e"
  }
],
"provider": "AWS",
"connectorId": "d37d0d10-d2f1-11e9-aa6c-e5b4e755cfcb",
"error": "",
"externalId": "1557768057481",
"arn": "arn:aws:iam::XXXXXXXXXXXX:role/sample_role",
"lastSyncedOn": "2019-09-12T06:01:00+0000",
"isPortalConnector": false
},
],
"pageable": {
  "sort": {
    "unsorted": true,
    "sorted": false
  },
  "pageSize": 50,
  "pageNumber": 1,
  "offset": 2,
  "unpaged": false,
  "paged": true
},
"totalElements": 1,
"totalPages": 1,
"last": true,
"first": false,
"sort": {
  "unsorted": true,
  "sorted": false
},
"numberOfElements": 1,
"size": 50,
"number": 1
}
```

# User Manager API

- Get the User Scope Details
- Update the Groups Scope for the User
- Update the Connector Scope for User

## Get the User Scope Details

|                     |                                 |
|---------------------|---------------------------------|
| API affected        | /rest/v1/users/{userName}/scope |
| New or Updated APIs | New                             |
| Operator            | GET                             |

You can fetch the group details by specifying the unique Id assigned to a group.

### Input Parameters

| Parameter | Description                                                      |
|-----------|------------------------------------------------------------------|
| userName  | Provide the username for which the scope needs to be determined. |

### Sample 1 - Get the list of groups

API request:

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

Response:

```
{
  "groups": [
    {
      "uuid": "52660405-27d3-3f69-b764-b0061ab4c494",
      "title": "Example_group",
      "connectorCount": 2
    }
  ],
  "AWS": {
    "directAccountScope": [
      {
        "connectorUuid": "af50f5c0-c8c2-11e9-945e-77a38645daea",
        "accountIdentifier": "XXXXXXXXXXXX",
        "cloudType": "AWS",
        "connectorName": "AWS_Connector_1"
      }
    ]
  }
}
```

```
    }
  ],
  "regions": [
    "us-east-1",
    "us-east-2"
  ]
},
"AZURE": {
  "directAccountScope": [
    {
      "connectorUuid": "2e0c1660-d061-11e9-ad71-df4fba75b3c5",
      "accountIdentifier": "XXXXXXXX-XXXX-XXXX-XXXX-XXXXXXXXXXXX",
      "cloudType": "AZURE",
      "connectorName": "Azure_Connector_2"
    }
  ]
},
"GCP": {
  "directAccountScope": [
    {
      "connectorUuid": "66e7d1f0-c8c2-11e9-9fcb-85661d3ad949",
      "accountIdentifier": "gcp-demo",
      "cloudType": "GCP",
      "connectorName": "GCP_Connector_3"
    }
  ]
}
}
```

## Update the Groups Scope for the User

|                     |                                      |
|---------------------|--------------------------------------|
| API affected        | /rest/v1/users/{userName}/groupScope |
| New or Updated APIs | New                                  |
| Operator            | POST                                 |

You can now update the groups associated with a specific user. You could add new groups and remove groups that are associated with the user using update operation.

### Input Parameters

| Parameter              | Description                                                                                                                                                                                                                                                                                         |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| userName               | Provide the username for which the group scope needs to be updated.                                                                                                                                                                                                                                 |
| userGroupModifyRequest | <p>Use this to specify the group IDs that you want to add and remove.</p> <p>Example:</p> <pre>{   "add": {"groupsIds": ["string"]} },   "remove": {"groupsIds": ["string"]} }</pre> <p>where,<br/>groupIds: unique ID assigned to the group.<br/>Example: ea4b240f-c27c-30a6-ba28-8fc9a38fa8d1</p> |

### Sample 1 - Update the Groups associated with the user

#### API request:

```
curl -X POST --header 'Accept: application/json' --header 'Authorization:
Basic dXNlcm5hbWU6cGFzc3dvcmQK=='
'https://<QualysURL>/cloudview-api/rest/v1/users/user_john/groupScope'
```

#### Request POST Data:

```
userGroupModifyRequest :
{
  "add": {
    "groupsIds": [
      "52660405-27d3-3f69-b764-b0061ab4c494"
    ]
  },
  "remove": {
    "groupsIds": [
```

```
        "9d665fd0-f15d-379f-8b11-b39cd4ebfd9e"  
    ]  
  }  
}
```

Response:

```
{  
  "groups": [  
    {  
      "uuid": "52660405-27d3-3f69-b764-b0061ab4c494",  
      "title": "new-group",  
      "connectorCount": 2  
    }  
  ],  
  "AWS": {  
    "directAccountScope": [],  
    "regions": []  
  },  
  "AZURE": {  
    "directAccountScope": []  
  },  
  "GCP": {  
    "directAccountScope": []  
  }  
}
```

## Update the Connector Scope for User

|                     |                                 |
|---------------------|---------------------------------|
| API affected        | /rest/v1/users/{userName}/scope |
| New or Updated APIs | New                             |
| Operator            | POST                            |

You can now update the connectors associated with a specific user. You could add new groups and remove groups that are associated with the connector using update operation.

### Input Parameters

| Parameter              | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| userName               | Provide the username for which the connector access scope needs to be updated.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| userGroupModifyRequest | Use this to specify the group IDs that you want to add and remove.<br>Example:<br><pre>{   "add": {     "accountIdentifiers": ["string"],     "regions": ["string"]   },   "remove": {     "accountIdentifiers": ["string"],     "regions": ["string"]   } }</pre> where,<br><b>accountIdentifiers</b> : The unique identifier associated with a connector. For every cloud provider, the identifier is different.<br>- AWS: account ID (Example: 111111111111)<br>- Azure: subscription ID (Example: 11111111-1111-1111-1111-111111111111)<br>- GCP: project ID (Example: sample_gcp)<br><b>regions</b> : (applicable only for AWS connectors) Specify the region of the connector |
| cloudType              | Select the cloud provider of the connector being updated: AWS, Azure or GCP.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

### Sample 1 - Update the Groups associated with the Connector

#### API request:

```
curl -X POST --header 'Accept: application/json' --header 'Authorization:
Basic dXN1cm5hbWU6cGFzc3dvcmQK=='
'https://<QualysURL>/cloudview-
```

api/rest/v1/users/user\_john/scope?cloudType=AWS'

Request POST Data:

```
{
  "add": {
    "accountIdentifiers": [
      "XXXXXXXXXXXX"
    ],
    "regions" : ["us-east-1","us-east-2"]
  },
  "remove": {
    "accountIdentifiers": [
      "XXXXXXXXXXXX"
    ],
    "regions" : ["eu-west-1"]
  }
}
CloudType : AWS
```

Response:

```
{
  "groups": [
    {
      "uuid": "52660405-27d3-3f69-b764-b0061ab4c494",
      "title": "new_sample_group",
      "connectorCount": 2
    }
  ],
  "AWS": {
    "directAccountScope": [
      {
        "connectorUuid": "af50f5c0-c8c2-11e9-945e-77a38645daea",
        "accountIdentifier": "XXXXXXXXXXXX",
        "cloudType": "AWS",
        "connectorName": "AWS_Connector"
      }
    ],
    "regions": [
      "us-east-1",
      "us-east-2"
    ]
  },
  "AZURE": {
    "directAccountScope": []
  },
  "GCP": {
    "directAccountScope": [
```

```
{
  "connectorUuid": "66e7d1f0-c8c2-11e9-9fcb-85661d3ad949",
  "accountIdentifier": "gcp-demo",
  "cloudType": "GCP",
  "connectorName": "GCP_Connector"
}
]
```

## AWS Updates: Support for GovCloud, China region

|                     |                                                                                                                                                       |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| API affected        | GET /rest/v1/aws/connectors<br>GET /rest/v1/aws/connectors/{connectorId}<br>POST /rest/v1/aws/connectors<br>PUT /rest/v1/aws/connectors/{connectorId} |
| New or Updated APIs | Updated                                                                                                                                               |
| Operator            | GET, POST, PUT, DELETE                                                                                                                                |

We have now added two elements named `isGovCloud` and `isChinaRegion`. The new elements are boolean flags. You can use them to configure AWS connectors in GovCloud or China regions. If both the flags are set to false, the connector is created for Global.

### Input Parameters

| Parameter     | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| connectorBody | <p>(body) Specify the connector details such as <code>qualysAccountId</code>, <code>arn</code>, <code>externalId</code>, and so on. Refer to the following example for exact syntax.</p> <pre>{   "arn": "string",   "description": "string",   "externalId": "string",   "isChinaRegion": true,   "isGovCloud": false,   "isPortalConnector": true,   "name": "string" }</pre> <p>Where,</p> <ul style="list-style-type: none"> <li><b>-isChinaRegion</b> (boolean): A flag indicating whether the Connector also is created China region or not. Set this flag to true to create the connector for China.</li> <li><b>-isGovCloud</b> (boolean): A flag indicating whether the Connector also is created GovCloud region or not. Set this flag to true to create the connector for GovCloud.</li> </ul> <p>Note: You can set either <code>isChinaRegion</code> or <code>isGovCloud</code> to true for one connector. If both are set to false, the connector is created for Global region.</p> |

### Sample 1 - Create a Connector for China

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 China",
  "externalId": "1558121756190",
  "isChinaRegion": true,
  "isGovCloud": false,
  "isPortalConnector": false,
  "name": "AWS for China"
}
```

Response:

```
{
  "arn": "arn:aws:iam::XXXXXXXXXXXX:role/QualysCloudViewRole",
  "awsAccountId": "XXXXXXXXXXXX",
  "baseAccountId": "XXXXXXXXXXXX",
  "connectorId": "1a1b6fb0-5150-11e9-b42c-7b8f80d86320",
  "description": "Connector for China",
  "error": "string",
  "externalId": "1558121756190",
  "groups": [
    {
      "name": "string",
      "uuid": "string"
    }
  ],
  "isChinaRegion": true,
  "isGovCloud": false,
  "isPortalConnector": false,
  "lastSyncedOn": "2019-03-28T11:53:28+0000",
  "name": "AWS for China",
  "portalConnectorUuid": "string",
  "provider": "AWS",
  "state": "PENDING",
  "totalAssets": 0
}
```

**Sample 2 - Create a Connector for GovCloud**

API request:

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

Request POST Data:

```
{
  "arn": "arn:aws-us-gov:iam::XXXXXXXXXXXX:role/qualyspod19connector",
  "description": "Connector for GovCloud",
  "externalId": "1558121756190",
  "isChinaRegion": false,
  "isGovCloud": true,
  "isPortalConnector": false,
  "name": "AWS for GovCloud"
}
```

Response:

```
{
  "arn": "arn:aws-us-gov:iam::XXXXXXXXXXXX:role/qualyspod19connector", ,
  "awsAccountId": "XXXXXXXXXXXX",
  "baseAccountId": "XXXXXXXXXXXX",
  "connectorId": "1a1b6fb0-5150-11e9-b42c-7b8f80d86320",
  "description": "Connector for GovCloud",
  "error": "string",
  "externalId": "1558121756190",
  "groups": [
    {
      "name": "string",
      "uuid": "string"
    }
  ],
  "isChinaRegion": false,
  "isGovCloud": true,
  "isPortalConnector": false,
  "lastSyncedOn": "2019-03-28T11:53:28+0000",
  "name": "AWS for GovCloud",
  "portalConnectorUuid": "string",
  "provider": "AWS",
  "state": "PENDING",
  "totalAssets": 0
}
```

## Azure Updates: Support for GovCloud region

|                     |                                                                                                                                                               |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| API affected        | GET /rest/v1/azure/connectors<br>GET /rest/v1/azure/connectors/{connectorId}<br>POST /rest/v1/azure/connectors<br>PUT /rest/v1/azure/connectors/{connectorId} |
| New or Updated APIs | Updated                                                                                                                                                       |
| Operator            | GET, POST, PUT, DELETE                                                                                                                                        |

We have now added one elements named isGovCloud. The new element is boolean flag. You can use it to configure Azure connectors in GovCloud region. If the flag is set to false, the connector is created for Global.

### Input Parameters

| Parameter     | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| connectorBody | <p>(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.</p> <pre>{   "applicationId": "string",   "authenticationKey": "string",   "description": "string",   "directoryId": "string",   "isGovCloud": true,   "name": "string",   "subscriptionId": "string" }</pre> <p>Where,</p> <p><b>-isGovCloud</b> (boolean): A flag indicating whether the Connector is created GovCloud region or not. Set this flag to true to create the connector for GovCloud.</p> |

### Sample 1 - Create Azure Connector for GovCloud

#### 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": "XXXXXXXXXXXXXXXXXX",
```

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

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": "2019-03-29T01:06:23+0000",
  "name": "My Azure Connector",
  "provider": "AZURE",
  "state": "PENDING",
  "subscriptionId": "XXXXXXXX-XXXX-XXXX-XXXX-XXXXXXXXXXXX",
  "totalAssets": 0
}
```

**Sample - Get list of Azure connectors in GovCloud**

API request:

```
curl -k -X GET -u <username>:<password>
'https://<QualysURL>/cloudview-api/rest/v1/azure/connectors?pageNo=0&
pageSize=50'
```

Response:

```
{
  "content": [
    {
      "name": "My Azure Connector",
      "description": "sample-description",
      "isGovCloud": true,
      "state": "REGIONS_DISCOVERED",
      "totalAssets": 244,
      "applicationId": "f076c321-694d-4929-ae0b-d2bd14d1a4d7",
      "subscriptionId": "XXXXXXXX-XXXX-XXXX-XXXX-XXXXXXXXXXXX",

```

```
"groups": [],
"provider": "AZURE",
"connectorId": "5926c280-c587-11e9-9230-31a5d0c73f76",
"lastSyncedOn": "2019-09-12T05:33:01+0000",
"directoryId": "ff4e2413-65ab-4dc2-9e5b-1ea02d3d94eb"
},
{
  "name": "My Second Azure Connector",
  "description": "sample_description",
  "isGovCloud": true,
  "state": "SUCCESS",
  "totalAssets": 69,
  "applicationId": "d8c3a45a-e6f9-449e-8a54-2416e2d61aec",
  "subscriptionId": "XXXXXXXX-XXXX-XXXX-XXXX-XXXXXXXXXXXX",
  "groups": [
    {
      "name": "test_group",
      "uuid": "ce7c0d23-af60-320f-b8cb-f6b51b2fb8a5"
    },
    {
      "name": "sample_group",
      "uuid": "745aca99-6ab6-3e1d-8e65-7b4febc0005e"
    }
  ],
  "provider": "AZURE",
  "connectorId": "2e0c1660-d061-11e9-ad71-df4fba75b3c5",
  "lastSyncedOn": "2019-09-12T05:56:01+0000",
  "directoryId": "ff4e2413-65ab-4dc2-9e5b-1ea02d3d94eb"
}
],
"pageable": {
  "sort": {
    "unsorted": true,
    "sorted": false
  },
  "pageSize": 50,
  "pageNumber": 0,
  "offset": 0,
  "unpaged": false,
  "paged": true
},
"totalElements": 2,
"last": true,
"totalPages": 1,
"first": true,
"sort": {
  "unsorted": true,
  "sorted": false
},
},
```

```
"numberOfElements": 2,  
"size": 50,  
"number": 0  
}
```

### Sample - Get the details of Azure connector with GovCloud

#### API request:

```
curl -k -X GET -u <username>:<password>  
'https://<QualysURL>/cloudview-api/rest/v1/azure/connectors/2e0c1660-  
d061-11e9-ad71-df4fba75b3c5'
```

#### Response:

```
{  
  "name": "My GovCloud 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": "2e0c1660-d061-11e9-ad71-df4fba75b3c5",  
  "lastSyncedOn": "2019-09-12T05:56:01+0000",  
  "directoryId": "ff4e2413-65ab-4dc2-9e5b-1ea02d3d94eb"  
}
```

### Sample 1 - Update Azure Connector for GovCloud

Let us update the connector description for 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": "XXXXXXXXXXXXXXXX",
"description": "Test description updated",
"directoryId": "ff4e2442-65ab-4dc2-9e5b-1ea02d3d94eb",
"isGovCloud": true,
"name": "My Azure Connector",
}
'https://<QualysURL>/cloudview-api/rest/v1/azure/connectors/7d80a840-40b6-11e9-9078-111111111111'
```

Response:

```
{
  "name": "My Azure Connector",
  "description": "Test description 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": "2019-09-23T17:58:20+0000",
  "directoryId": "ff4e2413-65ab-4dc2-9e5b-1ea02d3d94eb"
}
```