



Qualys Connector v2.x

API Release Notes

Version 2.2

March 14, 2024

What's New?

[Added Support for Activating Vulnerability Scanning on GCP Instances](#)

Qualys API Server URL

The Qualys API URL you should use for API requests depends on the Qualys platform where your account is located.

For example, if your account is on US Platform 1, use <https://qualysapi.qualys.com/>

[Click here](#) to identify your Qualys platform and get the API URL.

This documentation does not use any specific API server URL, instead, `<qualys_base_url>` is used in sample API requests. If you're on another platform, please replace this URL with the appropriate server URL for your account.

Added Support for Activating Vulnerability Scanning on GCP Instances

API	/qps/rest/3.0/create/am/gcpassetdataconnector /qps/rest/3.0/update/am/gcpassetdataconnector /qps/rest/3.0/run/am/gcpassetdataconnector /qps/rest/3.0/search/am/gcpassetdataconnector /qps/rest/3.0/get/am/gcpassetdataconnector
New or Updated APIs	Updated
Method	GET/POST
DTD or XSD Change	Not Applicable

With this release, you can create GCP Connectors to discover GCP VM instances in the Cloud Asset Inventory. To achieve this, you can provide "AI" as value in the `set.ConnectorAppInfo` parameter to create GCP connectors for Asset Inventory. The Asset Inventory support also comes with two new parameters for GCP connector, `Activation` and `defaultTags`.

The `Activation` parameter enables vulnerability scanning on the discovered GCP VM instances for the selected applications (VM, PC, or SCA).

Important: This feature is delivered as part of Connector 2.2 but it will only be ready to use after the release of Qualys Cloud Platform 10.26.1.0 and Qualys Cloud Platform 3.18.0.0.

The list of impacted APIs are :

- [Create GCP Connector](#)
- [Update GCP Connector](#)
- [Run GCP Connector](#)
- [Search GCP Connector](#)
- [Get GCP Connector](#)

Input Parameter

Parameter	Mandatory /Optional	Data Type	Description
defaultTags	Optional	List	Allows you to attach Qualys tags to the discovered assets by the connector.
Activation	Optional	List	Enables the discovered GCP VM Instances for vulnerability scanning at VMDR. Choose from the application such as VM, PC and SCA.
set.ConnectorAppInfo	Optional	List	It helps to configure asset discovery scenarios. Provide values such as AI for Asset Inventory (GCP VM Instances), CI for Cloud Inventory (Cloud resources) and CSA for Cloud Security Posture Management (CSPM).

Create GCP Connector

Specify the connector details and the activation module to create a new GCP connector in the Connectors application with asset scanning enabled.

Sample: Create a new Asset Inventory GCP Connector

API Request:

```
curl -n -u "USERNAME:PASSWORD"  
"<qualys_base_url>/qps/rest/3.0/create/am/gcpassetdataconnector"
```

Request Post Data:

```
{  
  "ServiceRequest": {  
    "data": {  
      "GcpAssetDataConnector": {  
        "disabled": false,  
        "isDeleted": false,  
        "defaultTags": {  
          "add": {  
            "TagSimple": [{  
              "id": 136336202  
            }]  
          }  
        },  
        "activation": {  
          "set": {  
            "ActivationModule": ["VM","SCA"]  
          }  
        },  
        "connectorAppInfos": {  
          "set": {  
            "ConnectorAppInfoQList": [  
              {  
                "set": {  
                  "ConnectorAppInfo": [  
                    {  
                      "name": "AI",  
                      "identifier": "gcp-connector",  
                      "tagId": 137547818  
                    }  
                  ]  
                }  
              }  
            ]  
          }  
        },  
        {  
          "set": {  
            "ConnectorAppInfo": [  
              {  
                "name": "CI",  
                "identifier": "gcp-connector",  
                "tagId": 137547818  
              }  
            ]  
          }  
        }  
      }  
    }  
  }  
}
```

```
        "tagId": 137547818
      }
    ]
  },
  {
    "set": {
      "ConnectorAppInfo": [
        {
          "name": "CSA",
          "identifier": "gcp-connector",
          "tagId": 137547818
        }
      ]
    }
  }
]
},
"runFrequency": 240,
"isRemediationEnabled": true,
"isGovCloudConfigured": false,
"name": "GCP CONNECTOR PUBLIC API",
"description": "Connector Created from API",
"authRecord": {
  "type": "service_account",
  "project_id": "gcp-connector",
  "private_key_id":
"345717xxxxxxxxxxxxxxxxxxxx7a0bcec93e0001e7",
  "private_key": "-----BEGIN PRIVATE KEY-----
\nMIIEvQIBADANBgkqhkiG9w0BAQEFAASCBCwggSjAgEAAoIBAQCWUcDnEnOt7y/\nI1Pt+v/Yx
-----END PRIVATE KEY-----\n",
  "client_email": "qualys-connector@gcp-
connector.iam.gserviceaccount.com",
  "client_id": "114756122541466997696",
  "auth_uri": "https://accounts.google.com/o/oauth2/auth",
  "token_uri": "https://oauth2.googleapis.com/token",
  "auth_provider_x509_cert_url":
"https://www.googleapis.com/oauth2/v1/certs",
  "client_x509_cert_url":
"https://www.googleapis.com/robot/v1/metadata/x509/service-name%40my-project-
1513669048551.iam.gserviceaccount.com"
}
}
}
}
```

Response:

```
{
  "ServiceResponse": {
    "count": 1,
    "responseCode": "SUCCESS",
    "data": [
      {
        "GcpAssetDataConnector": {
          "activation": {
            "ActivationModule": [
              "CLOUDVIEW",
              "SCA",
              "VM"
            ]
          },
          "isSnapshotAssessmentEnabled": "false",
          "name": "GCP CONNECTOR PUBLIC API",
          "disabled": "false",
          "connectorState": "QUEUED",
          "description": "Connector Created from API",
          "isCPSEnabled": "false",
          "runFrequency": 240,
          "defaultTags": {
            "list": [
              {
                "TagSimple": {
                  "id": 136336202,
                  "name": "colorTag"
                }
              }
            ]
          },
          "isRemediationEnabled": "true",
          "isDeleted": "false",
          "nextSync": "2024-02-14T09:49:17Z",
          "isInstantAssessmentEnabled": "false",
          "authRecord": {
            "projectId": "gcp-connector"
          },
          "connectorAppInfos": {
            "list": [
              {
                "ConnectorAppInfoQList": {
                  "list": [
                    {
                      "ConnectorAppInfo": {
                        "tagId": 137547818,
                        "tagMetadata": {
```

```
        "id": 137547818
      },
      "identifier": "gcp-connector",
      "name": "CI"
    }
  ]
},
{
  "ConnectorAppInfoQList": {
    "list": [
      {
        "ConnectorAppInfo": {
          "tagId": 137547818,
          "tagMetadata": {
            "id": 137547818
          },
          "identifier": "gcp-connector",
          "name": "AI"
        }
      }
    ]
  },
  "ConnectorAppInfoQList": {
    "list": [
      {
        "ConnectorAppInfo": {
          "tagId": 137547818,
          "tagMetadata": {
            "id": 137547818
          },
          "identifier": "gcp-connector",
          "name": "CSA"
        }
      }
    ]
  },
  "id": 2633041,
  "isGovCloudConfigured": "false"
}
]
}}

```

Update GCP Connector

Update the GCP Connector to enable asset activation.

Sample: Update the GCP Connector to an Asset Inventory connector

API Request:

```
curl -u "USERNAME:PASSWORD" -X "POST" --data-binary @-  
"<qualys_base_url>/qps/rest/3.0/update/am/gcpassetdataconnector/xxxxx"
```

Request Post Data:

```
{  
  "ServiceRequest": {  
    "data": {  
      "GcpAssetDataConnector": {  
        "name": "PUBLIC API UPDATE",  
        "description": "Updated Description By API UPDATED",  
        "defaultTags": {  
          "add": {  
            "TagSimple": [{  
              "id": 132960202  
            }]  
          },  
          "activation": {  
            "set": {  
              "ActivationModule": [  
                "VM"  
              ]  
            },  
            "connectorAppInfos": {  
              "set": {  
                "ConnectorAppInfoQList": [  
                  {  
                    "set": {  
                      "ConnectorAppInfo": {  
                        "name": "AI",  
                        "identifier": "gcp-connector",  
                        "tagId": 137547818  
                      }  
                    }  
                  }  
                ]  
              }  
            }  
          }  
        }  
      }  
    }  
  }  
}
```


Response:

```
{
  "ServiceResponse": {
    "count": 1,
    "responseCode": "SUCCESS",
    "data": [
      {
        "GcpAssetDataConnector": {
          "id": 2633044
        }
      }
    ]
  }
}
```

Run GCP Connector

Use the API to run the GCP connector and fetch the assets for scanning.

Sample: Run GCP Connectors

API Request:

```
curl -u "USERNAME:PASSWORD" -X "POST" --data-binary @-
"<qualys_base_url>/qps/rest/3.0/run/am/gcpassetdataconnector/{id}"
```

Response:

```
{
  "ServiceResponse": {
    "count": 1,
    "responseCode": "SUCCESS",
    "data": [
      {
        "GcpAssetDataConnector": {
          "activation": {
            "ActivationModule": [
              "VM"
            ]
          },
          "isSnapshotAssessmentEnabled": "false",
          "lastSync": "2024-02-14T07:20:48Z",
          "name": "PUBLIC API UPDATE",
          "disabled": "false",
          "connectorState": "FINISHED_SUCCESS",
          "description": "Updated Description By API UPDATED",
          "isCPSEnabled": "false",
          "runFrequency": 240,
          "defaultTags": {
```

```
    "list": [
      {
        "TagSimple": {
          "id": 132960202,
          "name": "okay"
        }
      }
    ]
  },
  "isRemediationEnabled": "true",
  "isDeleted": "false",
  "nextSync": "2024-02-14T11:15:50Z",
  "isInstantAssessmentEnabled": "false",
  "authRecord": {
    "projectId": "gcp-connector"
  },
  "connectorAppInfos": {
    "list": [
      {
        "ConnectorAppInfoQList": {
          "list": [
            {
              "ConnectorAppInfo": {
                "tagId": 137547818,
                "tagMetadata": {
                  "id": 137547818,
                  "name": "connectorTag",
                  "color":
"java.awt.Color[r=0,g=204,b=0]"
                },
                "identifier": "gcp-connector",
                "name": "AI"
              }
            }
          ]
        }
      }
    ]
  },
  "id": 2633044,
  "isGovCloudConfigured": "false"
}
]
}
}
```

Search GCP Connector

Use the API to search a list of GCP connectors in the user's account that match the provided criteria.

Sample: Find all GCP Connectors

API Request:

```
curl -u "USERNAME:PASSWORD" -X "POST" --data-binary @-  
"<qualys_base_url>/qps/rest/3.0/search/am/gcpassetdataconnector"
```

Request Post Data:

```
{  
  "ServiceRequest": {  
    "filters": {  
      "Criteria": [  
        {  
          "field": "id",  
          "operator": "EQUALS",  
          "value": "2633044"  
        },  
        {  
          "field": "name",  
          "operator": "EQUALS",  
          "value": "PUBLIC API UPDATE"  
        },  
        {  
          "field": "description",  
          "operator": "EQUALS",  
          "value": "Connector Created from API"  
        },  
        {  
          "field": "lastSync",  
          "operator": "EQUALS",  
          "value": "2024-02-14T09:20:27Z"  
        },  
        {  
          "field": "type",  
          "operator": "EQUALS",  
          "value": "GCP"  
        },  
        {  
          "field": "authRecord.projectId",  
          "operator": "EQUALS",  
          "value": "gcp-connector"  
        },  
        {  
          "field": "connectorState",
```

```
    "operator": "EQUALS",  
    "value": "FINISHED_SUCCESS"  
  },  
  {  
    "field": "appCapability.name",  
    "operator": "EQUALS",  
    "value": "AI"  
  },  
  {  
    "field": "appCapability.tag.name",  
    "operator": "EQUALS",  
    "value": "connectorTag"  
  },  
  {  
    "field": "disabled",  
    "operator": "EQUALS",  
    "value": "false"  
  }  
]  
}  
}
```

Response:

```
{
  "ServiceResponse": {
    "responseCode": "SUCCESS",
    "data": [
      {
        "GcpAssetDataConnector": {
          "connectorState": "FINISHED_SUCCESS",
          "description": "Connector Created from API",
          "lastSync": "2024-02-14T09:20:27Z",
          "name": "PUBLIC API UPDATE",
          "activation": {
            "ActivationModule": [
              "CLOUDVIEW",
              "VM"
            ]
          },
          "defaultTags": {
            "list": [
              {
                "TagSimple": {
                  "name": "okay",
                  "id": 132960202
                }
              }
            ]
          },
          "nextSync": "2024-02-14T13:20:27Z",
          "isRemediationEnabled": "true",
          "authRecord": {
            "projectId": "gcp-connector"
          },
          "isInstantAssessmentEnabled": "false",
          "disabled": "false",
          "isDeleted": "false",
          "connectorAppInfos": {
            "list": [
              {
                "ConnectorAppInfoQList": {
                  "list": [
                    {
                      "ConnectorAppInfo": {
                        "identifier": "gcp-connector",
                        "tagId": 137547818,
                        "name": "AI",
                        "tagMetadata": {
                          "name": "connectorTag",
                          "id": 137547818,

```

```

"java.awt.Color[r=0,g=204,b=0]"
    "color":
    }
    }
  ]
}
},
{
  "ConnectorAppInfoQList": {
    "list": [
      {
        "ConnectorAppInfo": {
          "identifier": "gcp-connector",
          "tagId": 137547818,
          "name": "CI",
          "tagMetadata": {
            "name": "connectorTag",
            "id": 137547818,
            "color":
"java.awt.Color[r=0,g=204,b=0]"
          }
        }
      }
    ]
  }
},
{
  "ConnectorAppInfoQList": {
    "list": [
      {
        "ConnectorAppInfo": {
          "identifier": "gcp-connector",
          "tagId": 137547818,
          "name": "CSA",
          "tagMetadata": {
            "name": "connectorTag",
            "id": 137547818,
            "color":
"java.awt.Color[r=0,g=204,b=0]"
          }
        }
      }
    ]
  }
},
  ]
},
  ],
  "isCPSEnabled": "false",

```

```
        "isSnapshotAssessmentEnabled": "false",
        "runFrequency": 240,
        "id": 2633044,
        "cloudviewUuid": "b7baa16b-xxxx-xxxx-xxxx-
ebe31087723f",
        "isGovCloudConfigured": "false"
    }
  ],
  "hasMoreRecords": "false",
  "count": 1
}
```

Get GCP Connector

Use the API to fetch the details of a specified GCP connectors.

Sample: Find all GCP Connectors

API Request:

```
curl -u "USERNAME:PASSWORD" -X "POST" --data-binary @-
"<qualys_base_url>/qps/rest/3.0/get/am/gcpassetdataconnector/{id}"
```

Response:

```
{
  "ServiceResponse": {
    "responseCode": "SUCCESS",
    "data": [
      {
        "GcpAssetDataConnector": {
          "connectorState": "PROCESSING",
          "description": "Connector Created from API",
          "lastSync": "2024-02-14T09:54:12Z",
          "name": "GCP CONNECTOR PUBLIC API",
          "activation": {
            "ActivationModule": [
              "CLOUDVIEW",
              "SCA",
              "VM"
            ]
          },
          "defaultTags": {
            "list": [
              {
                "TagSimple": {
                  "name": "colorTag",

```

```
        "id": 136336202
      }
    ]
  },
  "nextSync": "2024-02-14T13:53:51Z",
  "isRemediationEnabled": "true",
  "authRecord": {
    "projectId": "gcp-connector"
  },
  "isInstantAssessmentEnabled": "false",
  "disabled": "false",
  "isDeleted": "false",
  "connectorAppInfos": {
    "list": [
      {
        "ConnectorAppInfoQList": {
          "list": [
            {
              "ConnectorAppInfo": {
                "identifier": "gcp-connector",
                "tagId": 137547818,
                "name": "CI",
                "tagMetadata": {
                  "name": "connectorTag",
                  "id": 137547818,
                  "color":
"java.awt.Color[r=0,g=204,b=0]"
                }
              }
            }
          ]
        }
      }
    ]
  },
  {
    "ConnectorAppInfoQList": {
      "list": [
        {
          "ConnectorAppInfo": {
            "identifier": "gcp-connector",
            "tagId": 137547818,
            "name": "AI",
            "tagMetadata": {
              "name": "connectorTag",
              "id": 137547818,
              "color":
"java.awt.Color[r=0,g=204,b=0]"
            }
          }
        }
      ]
    }
  }
}
```



```
    }
  ]
}
},
{
  "ConnectorAppInfoQList": {
    "list": [
      {
        "ConnectorAppInfo": {
          "identifier": "gcp-connector",
          "tagId": 137547818,
          "name": "CSA",
          "tagMetadata": {
            "name": "connectorTag",
            "id": 137547818,
            "color":
"java.awt.Color[r=0,g=204,b=0]"
          }
        }
      }
    ]
  }
}
],
"count": 1
}
}
```