



SaaS Detection and Response

API User Guide
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Preface

This user guide is intended for application developers who will use the Qualys SaaS Detection and Response (SDR).

About Qualys

Qualys, Inc. (NASDAQ: QLYS) is a pioneer and leading provider of cloud-based security and compliance solutions. The Qualys Cloud Platform and its integrated apps help businesses simplify security operations and lower the cost of compliance by delivering critical security intelligence on demand and automating the full spectrum of auditing, compliance and protection for IT systems and web applications.

Founded in 1999, Qualys has established strategic partnerships with leading managed service providers and consulting organizations including Accenture, BT, Cognizant Technology Solutions, Deutsche Telekom, Fujitsu, HCL, HP Enterprise, IBM, Infosys, NTT, Optiv, SecureWorks, Tata Communications, Verizon and Wipro. The company is also a founding member of the [Cloud Security Alliance \(CSA\)](#). For more information, please visit www.qualys.com.

Contact Qualys Support

Qualys is committed to providing you with the most thorough support. Through online documentation, telephone help, and direct email support, Qualys ensures that your questions will be answered in the fastest time possible. We support you 7 days a week, 24 hours a day. Access support information at www.qualys.com/support/.

Chapter 1 - Welcome

Welcome to SDR API User Guide.

Get Started

[Qualys API Framework](#) - Learn the basics about making API requests. The base URL depends on the platform where your Qualys account is located.

Authentication: SDR would use the JWT based authentication. The client will first have to call the /auth API to fetch the token and then make actual API calls while passing the token in the headers as Bearer.

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Qualys API Framework

The Qualys SDR API uses the following framework.

Request URL

The URL for making API requests respects the following structure:
`https://<baseurl>/<module>/<object>/<object_id>/<operation>` where the components are described below.

<baseurl>	The Qualys API server URL that you should use for API requests depends on the platform where your account is located. The base URL for Qualys US Platform 1 is: <code>https://gateway.qg1.apps.qualys.com</code>
<module>	The API module.
<object>	The module specific object.
<object_id>	(Optional) The module specific object ID, if appropriate.
<operation>	The request operation, such as count.

Qualys API Gateway URL

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

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

This documentation uses the API gateway URL for Qualys US Platform 1 (<https://gateway.qg1.apps.qualys.com>) in sample API requests. If you're on another platform, please replace this URL with the appropriate gateway URL for your account.

Introduction to SaaS DR API Paradigm

Authentication

You must authenticate to the Qualys SDR using Qualys account credentials (user name and password) and get the JSON Web Token (JWT). Use the Qualys Authentication API to get the JWT. The client will first have to call the /auth API to fetch the token and then make actual API calls while passing the token in the headers as Bearer.

Auth request: Refer, [Product / Service / API On-boarding#Authentication](#)

For example,

```
Auth request
URL: https://gateway.p26.eng.in03.qualys.com/auth
HTTP: POST

Header:
Content/Type - application/x-www-form-urlencoded

Body
username: <username>
password:<password>
token:true
```

where Post is the base URL to the Qualys API server where your account is located.

- **username** and **password** are the credentials of the user account for which you want to fetch SaaS DR data

- **token** should be true

The Authentication API returns a JSON Web Token (JWT) which you can use for authentication in SaaS DR.

Rate limit: Qgateway provides a facility of rate limiting based on the configurations done in QWeb BO. SaaS DR would ride on this already existing feature.

Using Curl

Curl is a multi-platform command-line tool used to transfer data using multiple protocols. This tool is supported on many systems, including Windows, Unix, Linux and Mac. In this document Curl is used in the examples to build Qualys API requests using the HTTP over SSL (https) protocol, which is required.

Want to learn more? Visit <https://curl.haxx.se/>

The following Curl options are used according to different situations:

Option	Description
-X "GET"	The GET method is required for all SaaS API requests.
-H "Authorization: Bearer <token>"	This option is used to provide a custom HTTP request header parameter for authentication. Provide the JSON Web Token (JWT) received from Qualys authentication API in the following format: <code>Authorization: Bearer <token></code> . For information about Qualys authentication API, see Authentication .

Limit your results

Use the optional "fields" parameter for any API request to limit the amount of information returned in the results. Simply specify the fields you want to include or exclude in the output, and all other information will be filtered out (excluded). Multiple fields are comma separated. Limit is set between 100-200.

Sample HTTP Response Headers

- 1) Name : X-XSS-Protection, Value : 1; mode=block
- 2) Name : X-Content-Type-Options, Value : nosniff
- 3) Name : X-Permitted-Cross-Domain-Policies, Value : none
- 4) Name : Referrer-Policy, Value : same-origin
- 5) Name : X-Frame-Options, Value : sameorigin
- 6) Name : X-Powered-By, Value : Qualys
- 7) Name : X-Application-Context, Value : saas-svc-common
- 8) Name : Server, Value : Qualys

Steps to generate bearer token to access SDR apis:

URI: <https://gateway.p26.eng.in03.qualys.com/auth>

HTTP method: POST

Header

1.)Content-Type : application/x-www-form-urlencoded

Body :

1.)Body type : x-www-form-urlencoded

2.)Body :

username:<username>

password:<password>

token:true

Hit the service and generate the token.

SDR apis

Pass the bearer token generated in the initial step in the header when accessing the SDR apis.

Example: Authorization:Bearer <Token> (Note: Reference taken as P26)

Base uri : <https://gateway.p26.eng.in03.qualys.com>

Header : Authorization:Bearer <Token> (generated at the start)

HTTP method : GET

Connector APIs

API to get SaaS Connectors

Get details of all connectors.

sdr/api/v1/connectors

[GET]

Input Parameters

Name	Description
size integer (query)	The number of records per page to be included in the response. If pageSize is not specified in the request, 50 records will be fetched by default. The maximum value supported for pageSize is 200.
page integer (query)	The page to be returned.default values is 0

Request:

```
curl -k -X GET -H <token> -i "<Base uri>/sdr/api/v1/connectors"
```

Response:

```
{
  "content": [
    {
      "customerId": "4eaa64f9-771c-745e-810a-37d3f4c38a49",
      "connectorType": "GSUITE",
      "id": 2193,
      "name": "Gsuite p01",
      "description": null,
      "state": "SUCCESS",
      "config": null,
      "status": "Scan Completed",
      "emailId": "madhavi@qualyssscgsdev.com",
      "isEnabled": 1,
      "isPolicyEnabled": null,
      "updatedBy": "sraj@qualys.com",
      "createdBy": "sraj@qualys.com",
      "accountConfig": {
        "saasSubscriptionId": "C04kbbpr8"
      },
      "firstScannedDate": "2021-09-29T09:35:20Z",
      "lastScannedDate": "2021-10-04T11:16:58Z",
      "deleted": false
    }
  ],
  "pageable": {
    "sort": {
      "unsorted": true,
      "sorted": false,
      "empty": true
    },
    "pageSize": 1,
    "pageNumber": 0,
    "offset": 0,
    "paged": true,
    "unpaged": false,
    "last": false,
    "totalPages": 6,
    "totalElements": 6,
    "first": true,
    "sort": {
      "unsorted": true,
      "sorted": false,
      "empty": true
    },
    "numberOfElements": 1,
    "size": 1,
    "number": 0,
    "empty": false
  }
}
```

API to get Connector Details

Get details of a connector.

sdr/api/v1/connectors/{connectorId}/scanners

[GET]

Input Parameters

Name	Description
connectorId integer (path)	(Required) ID of the connector you want to fetch the details for.
size integer (query)	The number of records per page to be included in the response. If size is not specified in the request, 50 records will be fetched by default. The maximum value supported for size is 200.
page integer (query)	The page to be returned.default values is 0.
query string (query)	Filter the response by providing a query using Qualys QQL syntax.

Request:

```
curl -k -X GET -H <token> -i "<Base uri>/sdr/api/v1/connectors/{connectorId}/scanners"
```

Response:

```
{
  "content": [
    {
      "scannerType": "ADMINUSER",
      "status": "SUCCESS",
      "firstScannedDate": "2021-09-29T09:35:23Z",
      "lastScannedDate": "2021-10-04T11:16:28Z",
      "parentEntityId": "C04kbbpr8",
      "errorText": null,
      "scanCount": 1,
      "customerId": null,
      "connectorId": null,
      "nextPageToken": null,
      "deltaPageToken": null,
      "scannerId": 0,
      "scannerDefinitionId": 2003,
      "retryCount": 0
    }
  ],
  "pageable": {
    "sort": {
      "sorted": false,
      "unsorted": true,
      "empty": true
    },
    "pageNumber": 0,
    "pageSize": 1,
    "offset": 0,
    "paged": true,
    "unpaged": false,
    "totalElements": 20,
    "last": false,
    "totalPages": 20,
    "first": true,
    "sort": {
      "sorted": false,
      "unsorted": true,
      "empty": true
    },
    "numberOfElements": 1,
    "size": 1,
    "number": 0,
    "empty": false
  }
}
```

User APIs

API to get all SaaS Users

Get details of all SaaS users.

sdr/api/v1/users

[GET]

Input Parameters

Name	Description
size integer (query)	The number of records per page to be included in the response. If size is not specified in the request, 50 records will be fetched by default. The maximum value supported for size is 200.
page integer (query)	The page to be returned.default values is 0.
query string (query)	Filter the response by providing a query using Qualys QQL syntax.

Request:

```
curl -k -X GET -H <token> -i "<Base uri>/sdr/api/v1/users"
```

Response:

```
{
  "content": [
    {
      "customerId": "4eaa64f9-771c-745e-810a-37d3f4c38a49",
      "connector": {
        "id": 2245,
        "type": "OFFICE365"
      },
      "sourceId": "e919ba0f-2081-4758-9293-12fca58ecf1e",
      "version": 1,
      "domain": "qualyssscmsdev.com",
      "email": "newuser611@qualyssscmsdev.com",
      "firstName": "611",
      "lastName": "newuser",
      "fullName": "611 newuser",
      "username": "newuser611",
      "nameAlias": "611 newuser",
      "isSuspended": true,
      "entityType": "USER",
      "accessType": "Internal",
      "role": "USER",
      "roles": [],
      "pageable": {
        "sort": {
          "unsorted": false,
          "sorted": true,
          "empty": false
        },
        "pageNumber": 0,
        "pageSize": 1,
        "offset": 0,
        "paged": true,
        "unpaged": false
      },
      "last": false,
      "totalPages": 1524,
      "totalElements": 1524,
      "first": true,
      "sort": {
        "unsorted": false,
        "sorted": true,
        "empty": false
      },
      "numberOfElements": 1,
      "size": 1,
      "number": 0,
      "empty": false
    }
  ]
}
```

API to get all SAAS Users Group

Get details of all SaaS user groups.

sdr/api/v1/groups

[GET]

Input Parameters

Name	Description
size integer (query)	The number of records per page to be included in the response. If size is not specified in the request, 50 records will be fetched by default. The maximum value supported for size is 200.
page integer (query)	The page to be returned.default values is 0.
query string (query)	Filter the response by providing a query using Qualys QQL syntax.

Request:

```
curl -k -X GET -H <token> -i "<Base uri>/sdr/api/v1/groups"
```

Response:

```
{
  "content": [
    {
      "customerId": "4eaa64f9-771c-745e-810a-37d3f4c38a49",
      "connector": {
        "id": 2192,
        "type": "SALESFORCE"
      },
      "sourceId": "0F90n0000000kbRCAQ",
      "version": 1,
      "domain": "post.0n-1n43eae.cs67.chatter.sandbox.salesforce.com",
      "email": "0f90n0000000kbrcaq@post.0n-1n43eae.cs67.chatter.sandbox.salesforce.com",
      "name": "05.01",
      "nameAlias": "05.01",
      "createdDate": "2021-01-05T04:01:26Z",
      "lastUpdatedDate": "2021-04-07T03:00:27Z",
      "aliases": "Private",
      "entityType": "CHATTER GROUP",
      "accessType": "Internal",
      "directMembersCount": 3,
      "members": [
        {
          "groupId": "0F90n0000000kbRCAQ@post.0n-1n43eae.cs67.chatter.sandbox.salesforce.com",
          "role": "MEMBER",
          "entityType": "USER",
          "accessType": "Internal",
          "domain": "gmail.com",
          "userId": "0050n000003EqkcAAC",
          "email": "testuser00012@gmail.com",
          "fullName": "TestUser-0012 tu"
        },
        {
          "groupId": "0F90n0000000kbRCAQ@post.0n-1n43eae.cs67.chatter.sandbox.salesforce.com",
          "role": "ADMIN",
          "entityType": "USER",
          "accessType": "Internal",
          "domain": "qualys.com",
          "userId": "0050n000003Mg2eAAC",
          "email": "sraj@qualys.com",
          "fullName": "Shishir Raj"
        },
        {
          "groupId": "0F90n0000000kbRCAQ@post.0n-1n43eae.cs67.chatter.sandbox.salesforce.com",
          "role": "MEMBER",
          "entityType": "USER",
          "accessType": "Internal",
          "domain": "qualys.com",
          "userId": "0050n000003Mg3wAAC",
          "email": "mjoshi@qualys.com",
          "fullName": "T"
        }
      ]
    }
  ]
}
```

```
estUser-001
tu"}]]], "pageable": {"sort": {"sorted": true, "unsorted": false, "empty":
: false}, "pageNumber": 0, "pageSize": 1, "offset": 0, "paged": true, "unpag
ed": false}, "totalElements": 241, "last": false, "totalPages": 241, "firs
t": true, "sort": {"sorted": true, "unsorted": false, "empty": false}, "num
berOfElements": 1, "size": 1, "number": 0, "empty": false}
```

Resources APIs

API to get all SaaS Documents

Get details of all SaaS documents.

sdr/api/v1/documents

[GET]

Input Parameters

Name	Description
size integer (query)	The number of records per page to be included in the response. If size is not specified in the request, 50 records will be fetched by default. The maximum value supported for size is 200.
page integer (query)	The page to be returned.default values is 0.
query string (query)	Filter the response by providing a query using Qualys QQL syntax.

Request:

```
curl -k -X <GET> -H <token> -i "<Base uri>api/v1/documents"
```

Response:

```
{
  "content": [
    {
      "customerId": "4eaa64f9-771c-745e-810a-37d3f4c38a49",
      "connector": {
        "id": 2192,
        "type": "SALESFORCE"
      },
      "sourceId": "0690n000000rJJIAA2",
      "version": 6,
      "entityType": "DOCUMENT",
      "name": "incr scan us3",
      "nameAlias": "incr scan us3",
      "type": "csv",
      "size": 1049587,
      "owner": {
        "userId": "0050n0000003Mg2eAAC",
        "email": "sraj@qualys.com",
        "fullName": "Shishir Raj"
      },
      "lastUpdatedDate": "2021-09-27T10:18:49Z",
      "createdDate": "2021-09-27T10:17:37Z",
      "accessType": "Anyonewithlink",
      "webContentLink": "http://qualys-glyssfeng.my.salesforce.com/sfc/p/0n0000001N43/a/0n0000000HTm/vAZfYfWa68XGH.RRZXOFD68UepRrT4bOtIa0kyJuJ24",
      "lastUpdatedBy": "sraj@qualys.com",
      "externalDomains": "qualys.com",
      "externalPermissionsCount": 1,
      "isShared": true,
      "permissions": [
        {
          "sourceId": "06A0n000001Gu9iEAC",
          "documentId": "0690n000000rJJIAA2",
          "linkedEntityType": "User",
          "role": "reader",
          "accessType": "Trusted",
          "domain": "qualys.com",
          "email": "testuser0002@qualys.com"
        },
        {
          "sourceId": "05D0n0000000HTmEAM",
          "documentId": "0690n000000rJJIAA2",
          "linkedEntityType": "Anyonewithlink",
          "role": "reader",
          "accessType": "Anyonewithlink",
          "domain": "anynew"
        }
      ]
    }
  ]
}
```

```
ithlink","email":"anyonewithlink"}]]],"pageable":{"sort":{"unsorted":false,"sorted":true,"empty":false},"pageNumber":0,"pageSize":1,"offset":0,"paged":true,"unpaged":false},"last":false,"totalPages":92220,"totalElements":92220,"first":true,"sort":{"unsorted":false,"sorted":true,"empty":false},"numberOfElements":1,"size":1,"number":0,"empty":false}
```

API to get all SaaS Applications

Get details of all SaaS applications.

sdr/api/v1/applications

[GET]

Input Parameters

Name	Description
size integer (query)	The number of records per page to be included in the response. If size is not specified in the request, 50 records will be fetched by default. The maximum value supported for size is 200.
page integer (query)	The page to be returned.default values is 0.
query string (query)	Filter the response by providing a query using Qualys QQL syntax.

Request:

```
curl -k -X <GET> -H <token> -i "<Base uri>api/v1/applications"
```

Response:

```
{"content":[{"customerId":"4eaa64f9-771c-745e-810a-37d3f4c38a49","connector":{"id":2193,"type":"GSUITE"},"sourceId":"645529619299.apps.googleusercontent.com","version":1,"name":"Backup and Sync from Google","nameAlias":"Backup and Sync from Google","isAnonymous":false,"scopes":"https://\\www.googleapis.com\\auth\\peopleapi.readonly,https://\\www.googleapis.com\\auth\\contactstore.readonly,https://\\www.googleapis.com\\auth\\googletalk,https://\\www.googleapis.com\\auth\\drive","score":10,"priceModel":"MONTHLY","billingCycle":"MONTHLY","isTrusted":false,"userCount":2,"exposure":"High","users":[{"sourceId":"madhavi@qualyssscgsdev.com","appId":"645529619299.apps.googleusercontent.com","domain":"qualyssscgsdev.com","email":"madhavi@qualyssscgsdev.com"}]}],"pageable":{"sort":{"sorted":true,"unsorted":false,"empty":false},"pageNumber":0,"pageSize":1,"offset":0,"paged":true,"unpaged":false},"totalElements":554,"last":false,"totalPages":554,"first":true,"sort":{"sorted":true,"unsorted":false,"empty":false},"numberOfElements":1,"size":1,"number":0,"empty":false}}
```


API to get all SaaS Meetings

Get details of all SaaS meetings.

sdr/api/v1/meetings

[GET]

Input Parameters

Name	Description
size integer (query)	The number of records per page to be included in the response. If size is not specified in the request, 50 records will be fetched by default. The maximum value supported for size is 200.
page integer (query)	The page to be returned.default values is 0.
query string (query)	Filter the response by providing a query using Qualys QQL syntax.

Request:

```
curl -k -X <GET> -H <token> -i "<Base uri>api/v1/meetings"
```

Response:

```
{
  "content": [
    {
      "customerId": "4eaa64f9-771c-745e-810a-37d3f4c38a49",
      "connector": {
        "id": 2190,
        "type": "ZOOM"
      },
      "sourceId": "FKA2RjHMSGOGvS7pKGPzPA%3D%3D",
      "version": 1,
      "meetingId": "96482845147",
      "hostUser": {
        "userId": "usDAXUVlTg-MZWY5XsNAAA",
        "email": "mjoshi@qualyssscomsdev.com",
        "fullName": "Madha vi Joshi",
        "department": "SSC",
        "name": "My Webinar incr scan 27.09",
        "nameAlias": "My Webinar incr scan 27.09",
        "entityType": "Webinar",
        "type": "Scheduled",
        "startedAt": "2021-09-27T10:23:30Z",
        "scheduledDuration": 0,
        "accessType": "Internal",
        "participantsCount": 2,
        "participants": [
          {
            "documentId": "FKA2RjHMSGOGvS7pKGPzPA%3D%3D",
            "linkedEntityType": "USER",
            "role": "HOST",
            "accessType": "Internal",
            "domain": "qualyssscomsdev.com",
            "userId": "usDAXUVlTg-MZWY5XsNAAA",
            "email": "mjoshi@qualyssscomsdev.com",
            "fullName": "Madha vi Joshi"
          },
          {
            "documentId": "FKA2RjHMSGOGvS7pKGPzPA%3D%3D",
            "linkedEntityType": "USER",
            "role": "ATTENDEE",
            "accessType": "Internal",
            "domain": "qualyssscomsdev.com",
            "userId": "IBBgghd3IRhe0e4XoP2E-qQ",
            "email": "vivek@qualyssscomsdev.com",
            "fullName": "Vivek Baranwal"
          }
        ],
        "recordingsCount": 2,
        "recordingsShareUrl": "https://zoom.us/rec/share/f0YdJX-DCHxNGO4f4ajoR_3AU5RfQckxqW7LTHnoCmC-VQNOcw_XIYtTNiu-"
      }
    }
  ]
}
```

```
Jd9C.Or_eM7ltDkt64Qgh","recordings":[{"id":"41b71bd1-a784-4cb2-a7c8-16fb017bd4cc","meetingUUID":"FKA2RjHMSGOGvS7pKGPzPA%3D%3D","startedAt":"2021-09-27T10:23:31Z","endedAt":"2021-09-27T10:24:16Z","fileType":"M4A","fileSize":702494,"playUrl":"https://zoom.us/rec/play/dtISlEoN3MowdoKzIA_PsPP6Tqvt6D3-DaXXOFpJrKZT0AMxhmQA0fHp492DOz1ydNW_js37plEk1YO9.lugjikGo_RC_xZuG","downloadUrl":"https://zoom.us/rec/download/dtISlEoN3MowdoKzIA_PsPP6Tqvt6D3-DaXXOFpJrKZT0AMxhmQA0fHp492DOz1ydNW_js37plEk1YO9.lugjikGo_RC_xZuG","status":"completed","recordingType":"audio_only"}, {"id":"c212fa98-18c5-4ac4-a5e0-133645045873","meetingUUID":"FKA2RjHMSGOGvS7pKGPzPA%3D%3D","startedAt":"2021-09-27T10:23:31Z","endedAt":"2021-09-27T10:24:16Z","fileType":"MP4","fileSize":811887,"playUrl":"https://zoom.us/rec/play/NU2Oa32k_a-UjlAkHbZ78VagO5ubV3-rUZB4-xxeESFswk5m9qY5cAPzjR_T2pZnj01jjA30_QPvyJ0r.TYw53f6N5Bwix-gM","downloadUrl":"https://zoom.us/rec/download/NU2Oa32k_a-UjlAkHbZ78VagO5ubV3-rUZB4-xxeESFswk5m9qY5cAPzjR_T2pZnj01jjA30_QPvyJ0r.TYw53f6N5Bwix-gM","status":"completed","recordingType":"shared_screen_with_speaker_view"}],"recordingSetting":{"accessType":"Public","recordingAuthentication":false,"viewerDownload":true,"onDemand":false,"approvalType":0}},"pageable":{"sort":{"unsorted":false,"sorted":true,"empty":false},"pageSize":1,"pageNumber":0,"offset":0,"paged":true,"unpaged":false},"last":false,"totalPages":5,"totalElements":5,"first":true,"sort":{"unsorted":false,"sorted":true,"empty":false},"numberOfElements":1,"size":1,"number":0,"empty":false}
```

API to get all SaaS Reports

Get details of all SaaS created reports.

sdr/api/v1/reports

[GET]

Input Parameters

Name	Description
size integer (query)	The number of records per page to be included in the response. If size is not specified in the request, 50 records will be fetched by default. The maximum value supported for size is 200.
page integer (query)	The page to be returned.default values is 0.
query string (query)	Filter the response by providing a query using Qualys QQL syntax.

Request:

```
curl -k -X <GET> -H <token> -i "<Base uri>api/v1/reports"
```

Response:

```
{
  "content": [
    {
      "fileUuid": "2acd7710-21ad-11ec-8257-e93c62f7ef27",
      "reportName": "zoom custom csv",
      "description": null,
      "fileFormat": "csv",
      "status": "completed",
      "templateTitle": "SDR_Assessment_Template",
      "templateType": "DEFAULT",
      "templateName": "SDR_Assessment_Template",
      "createdAt": "2021-09-30T05:13:37.000Z",
      "expiresOn": "2021-10-07T05:13:37.000Z",
      "config": {
        "saasApplication": {
          "key": "ZOOM",
          "value": "Zoom"
        },
        "connectors": [
          {
            "key": "2190",
            "value": "Zoom p01"
          }
        ],
        "policy": {
          "key": "284",
          "value": "Zoom custom xr18 29.09"
        },
        "result": ["Pass", "Fail", "Error"],
        "template": {
          "key": "SDR_Assessment_Template",
          "value": "SaaS Assessment Template"
        },
        "createdBy": "quays_xr18"
      },
      "pageable": {
        "sort": {
          "sorted": false,
          "unsorted": true,
          "empty": true
        },
        "pageNumber": 0,
        "pageSize": 1,
        "offset": 0,
        "paged": true,
        "unpaged": false,
        "totalElements": 8,
        "last": false,
        "totalPages": 8,
        "first": true,
        "sort": {
          "sorted": false,
          "unsorted": true,
          "empty": true
        },
        "numberOfElements": 1,
        "size": 1,
        "number": 0,
        "empty": false
      }
    }
  ]
}
```

API to download Reports Result

Get details of all SaaS reports results.

sdr/api/v1/report/download/{fileUuid}

[GET]

Input Parameters

Name	Description
fileUuid *	(Required) File ID of the Reports you want to download report result.
integer	
(path)	

Request:

```
curl -k -X GET -H <token> -i "<Base uri>/sdr/api/v1/report/download/{fileUuid}"
```

Response:

Report will be downloaded.

Policy APIs

API to get all SAAS Policy

Get details of all policies.

sdr/api/v1/policy

[GET]

Input Parameters

Name	Description
size integer (query)	The number of records per page to be included in the response. If size is not specified in the request, 50 records will be fetched by default. The maximum value supported for size is 200.
page integer (query)	The page to be returned.default values is 0.

Request:

```
curl -k -X GET -H <token> -i "<Base uri>/sdr/api/v1/policy"
```

Response:

```
{
  "content": [
    {
      "id": 61,
      "connectorType": "SALESFORCE",
      "name": "Salesfor
ce Best Practices",
      "description": "This policy provides
prescriptive guidance for configuring security options for a
subset of Salesforce Services with an emphasis on foundational,
testable, and architecture agnostic
settings.",
      "version": "v1.4.0",
      "type": "System
Defined",
      "scope": ["Identity
management"],
      "isSystemCreated": true,
      "createdDate": "2021-01-
08T07:19:12Z",
      "updatedAt": "2021-07-
22T12:22:05Z",
      "createdBy": "SYSTEM",
      "updatedBy": "SYSTEM",
      "controlCo
unt": 33,
      "controls": [
        "70133", "70134", "70135", "70136", "70137", "70138",
        "70139", "70127", "70128", "70129", "70130", "70131", "70132", "70140",
        "70141", "70142", "70143", "70144", "70145", "70146", "70147", "70148", "7
0149", "70150", "70151", "70152", "70153", "70154", "70155", "70156", "701
57", "70158", "70159"],
      "customerId": null,
      "connectors": [
        {
          "customerId":
"4eaa64f9-771c-745e-810a-
37d3f4c38a49",
          "connectorType": "SALESFORCE",
          "id": 2192,
          "name": "sfdc
p01",
          "description": null,
          "state": "SUCCESS",
          "config": null,
          "status": "
Scan
Completed",
          "emailId": "sraj@qualys.com",
          "isEnabled": 1,
          "isPolicyEnab
led": 1,
          "updatedBy": "sraj@qualys.com",
          "createdBy": "sraj@qualys.com",
          "accountConfig": {
            "saasSubscriptionId": "00D0n0000001N43\"
          }
        }
      ]
    }
  ]
}
```

```
irstScannedDate":"2021-09-29T09:32:24Z","lastScannedDate":"2021-10-04T10:47:47Z","deleted":false}}]], "pageable":{"sort":{"unsorted":true,"sorted":false,"empty":true},"pageSize":1,"pageNumber":0,"offset":0,"paged":true,"unpaged":false},"last":false,"totalPages":10,"totalElements":10,"first":true,"sort":{"unsorted":true,"sorted":false,"empty":true},"numberOfElements":1,"size":1,"number":0,"empty":false}
```

API to get all SAAS Policy Detail

Get details of all policies.

sdr/api/v1/policy/{policyId}

[GET]

Input Parameters

Name	Description
id *	(Required) ID of the Pollicy you want to fetch the details for.
integer (path)	

Request:

```
curl -k -X GET -H <token> -i "<Base uri>/sdr/api/v1/policy/{policyId}"
```

Response:

```
{
  "content": [
    {
      "id": 61,
      "connectorType": "SALESFORCE",
      "name": "Salesfor
ce Best Practices",
      "description": "This policy provides
prescriptive guidance for configuring security options for a
subset of Salesforce Services with an emphasis on foundational,
testable, and architecture agnostic
settings.",
      "version": "v1.4.0",
      "type": "System
Defined",
      "scope": ["Identity
management"],
      "isSystemCreated": true,
      "createdDate": "2021-01-
08T07:19:12Z",
      "updatedAt": "2021-07-
22T12:22:05Z",
      "createdBy": "SYSTEM",
      "updatedBy": "SYSTEM",
      "controlCo
unt": 33,
      "controls": [
        "70133", "70134", "70135", "70136", "70137", "70138",
        "70139", "70127", "70128", "70129", "70130", "70131", "70132", "70140",
        "70141", "70142", "70143", "70144", "70145", "70146", "70147", "70148", "7
0149", "70150", "70151", "70152", "70153", "70154", "70155", "70156", "701
57", "70158", "70159"],
      "customerId": null,
      "connectors": [
        {
          "customerId":
"4eaa64f9-771c-745e-810a-
37d3f4c38a49",
          "connectorType": "SALESFORCE",
          "id": 2192,
          "name": "sfdc
p01",
          "description": null,
          "state": "SUCCESS",
          "config": null,
          "status": "
Scan
Completed",
          "emailId": "sraj@qualys.com",
          "isEnabled": 1,
          "isPolicyEnab
led": 1,
          "updatedBy": "sraj@qualys.com",
          "createdBy": "sraj@qualys.com",
          "accountConfig": {
            "saasSubscriptionId": "00D0n0000001N43",
            "f
irstScannedDate": "2021-09-29T09:32:24Z",
            "lastScannedDate": "2021-
10-
04T10:47:47Z",
            "deleted": false
          }
        }
      ],
      "pageable": {
        "sort": {
          "unsorted": t
rue,
          "sorted": false,
          "empty": true,
          "pageSize": 1,
          "pageNumber": 0,
          "offs
et": 0,
          "paged": true,
          "unpaged": false,
          "last": false,
          "totalPages": 10,
          "totalElements": 10,
          "first": true,
          "sort": {
            "unsorted": true,
            "sorted": fa
lse,
            "empty": true,
            "numberOfElements": 1,
            "size": 1,
            "number": 0,
            "empty"
: false
          }
        }
      }
    }
  ]
}
```

Reporting APIs

API to get all SaaS Reporting Controls Information in form of Evidences

Get detailed Report of all SaaS type controls in the form of evidences.

sdr/api/v1/reporting

[GET]

Input Parameters

Parameter	Required/ Optional	Data Type	Description
policyName	Required	String	Specify the policy name. Examples- Microsoft Office 365 Best Practices, CIS Microsoft 365 Foundations Benchmark, v1.4.0
connectorId	Required	Integer	Specify the Connector Id. Get the Connector Id from the API: sdr/api/v1/connectors
connectorType	Required	String	Specify a list of valid connector types. Valid values: Google Workspace, OFFICE365, SALESFORCE, ZOOM.
controlEvaluations	Required	String	Specify valid evaluation (Pass/ Fail/ Error) or any combination of control evaluations.
pageNumber (default = 1)	Optional for Page Number 1	Integer	Specify page number. Default for 1st page. Specify 1 to n for (totalBatch).

Request:

```
curl -k -G -H "Authorization:Bearer <Token>" "<qualys_base_url>/sdr/api/v1/reporting" --data-urlencode "policyName=<value>" --data-urlencode "controlEvaluations=<value>" --data-urlencode "connectorType=<value>" --data-urlencode "connectorId=<value>"
```

Response:

```
{
  "policyName": "CIS Microsoft 365 Foundations Benchmark, v1.4.0",
  "subscriptionId": "64837187-a312-4982-92eb-64049df4ad12",
  "connectorId": 6748,
  "connectorType": "OFFICE365",
  "connectorName": "ofc default redis test",
  "controlEvaluations": "Error, Pass, Fail",
  "controlSummaryDto": {
    "totalNoofControls": 42,

```



```

        "passControls":10,
        "failControls":32
    },
    "controlDetailsSummaryDto":[
        {
            "cid":"70116",
            "controlName":"Ensure that DKIM is enabled for all
Exchange Online Domains",
            "criticality":"High",
            "controlEvalutaionStatus":"Fail",
            "isRemediable":"No",
            "lastEvaluatedDate":"2023-09-10T07:02:03Z",
            "firstScannedDate":"2023-08-15T04:42:49Z",
            "controlEvaluationSummaryDto":[
                {
                    "resourceId":"QualysSSCMSDev.mail.onmicrosoft.com",
                    "resourceEvaluationResult":"Fail",
                    "evidenceDetails":[
                        {
                            "evidenceKey":"DKIM Signing is enabled",
                            "evidenceSuccess":"null",
                            "evidenceFail":"false"
                        }
                    ]
                },
                {
                    "resourceId":"QualysSSCMSDev.com",
                    "resourceEvaluationResult":"Fail",
                    "evidenceDetails":[
                        {
                            "evidenceKey":"DKIM Signing is enabled",
                            "evidenceSuccess":"null",
                            "evidenceFail":"false"
                        }
                    ]
                },
                {
                    "resourceId":"QualysSSCMSDev.onmicrosoft.com",
                    "resourceEvaluationResult":"Pass",
                    "evidenceDetails":[
                        {
                            "evidenceKey":"DKIM Signing is enabled",
                            "evidenceSuccess":"true",
                            "evidenceFail":"null"
                        }
                    ]
                }
            ]
        }
    ],
    {

```

```

"cid":"70113",
  "controlName":"Ensure Advanced Threat Protection
Safe Attachments policy is enabled",
  "criticality":"High",
  "controlEvalutaionStatus":"Pass",
  "isRemediable":"No",
  "lastEvaluatedDate":"2023-09-11T11:25:25Z",
  "firstScannedDate":"2023-08-15T04:42:49Z",
  "controlEvaluationSummaryDto":[
    {
      "resourceId":"64837187-
a312-4982-92eb-64049df4ad12",
      "resourceEvaluationResult":"Pass",
      "evidenceDetails":[
        {
          "evidenceKey":"List of the threat
Protection Safe Attachments policy",
          "evidenceSuccess":["{"Id\\":\\"Built-In
Protection Policy\\",\\"Name\\":\\"Built-In Protection Policy\\",
\\"Enable\\":true},{\\"Id\\":\\"test 70113\\",\\"Name\\":\\"test
70113\\",\\"Enable\\":true},{\\"Id\\":\\"tr\\",\\"Name\\":\\"tr\\",
\\"Enable\\":true},{\\"Id\\":\\"Evaluation Policy\\",\\"Name\\":
\\"Evaluation Policy\\",\\"Enable\\":true}]",
          "evidenceFail":"null"
        }
      ]
    }
  ]
}

```