Oracle® Financial Crime and Compliance Management Cloud Services

Using Report Generation API

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Export API

Export API are utilized to submit request to export a report to CSV format. You can submit upto 5 requests in parallel with an interval of 2 minutes.

End Point Details

- **Method** – POST
- **REST Endpoint** - /aai-dmi-service/vw/v1/repgen

Table 1-1 Request Headers Details

Header Name	Description	Example
Content-Type	The media type of the body of the request. Required for POST and PUT requests, and the supported types vary with each endpoint.	Application/Json
srvc_id	The unique service ID associated with the report. • **Data Type**: String • **Mandatory**: Yes	OFS_COMM
appId	Respective application ID of the cloud service • **Data Type**: String • **Mandatory**: Yes	OFS_AMLCS
reportNm	The auto-generated code for the specific report. You can get this code from the Report Details page. For more information refer to #unique_13. • **Data Type**: String • **Mandatory**: Yes	OFS_AMLCS_1d312c
reportType	The report file format. • **Data Type**: String • **Mandatory**: Yes	CSV
reportDefType	The report definition type. • **Data Type**: String • **Mandatory**: Yes	V - the report is based on a database view.
ofs_remote_user	The login name of the user exporting the report. The OFS remote user should be authenticated and a token must be generated for the user credentials. For more information, refer to #unique_14. • **Data Type**: String • **Mandatory**: Yes	

Request JSON Parameters

Table 1-2 Request JSON Parameters

Key Field	Value
filterCriteria	The filter conditions set to include a specific set of data in the report, using the defined expressions. You can add the filter criteria in the Filter Conditions page. For more information, refer to #unique_16

Request JSON Sample when there is no filter

```
{ "filterCriteria": ""}
```

Request JSON Sample when filter applied

```
{ "filterCriteria": "FCC_CANNED_STG_CASA.V_ACCOUNT_NUMBER
<'10'FCC_CANNED_STG_CASA.V_ACCT_DISPLAY_NAME = 'Stuart Ferguson'"}
```

Response JSON Parameters

This section provides the list of parameters in the JSON Response.

Response JSON Sample when records are less than 5000

The report is generated and included in the response. Copy the response to a text editor and save it as a CSV file.

Sample Response

```
"D_ACCT_CLOSED_DATE,D_ACCT_OPEN_DATE,D_ACCT_STATUS_DATE,D_ACTUAL_RENEWAL_DATE,
D_ADJUSMENT_EFFECTIVE_DATE,D_ATM_ISSUED_DATE,D_BILLING_CYCLE_DATE,D_CR_LINE_IN
C_LAST_REJECT_DATE,….Stuart
Ferguson,,,,A,,,,,,,,,,,,,,,,,,GEN,,,,,,,,,,,,,,,,,,,CU-101833842885,CR,AMEA,
MAN,,,,,,,,,,,,,,,,,,1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,30120409C
U101,,IND,,,,,,,,,,,,,,,,,,,,,Y,,,,,,,,,,,,,,,,,
"
```

Response JSON Sample when records are Greater than 5000

Sample Response

```
{"requestInstanceId":"reportInstatnceId:40","status":"RUNNING"}
```

2
Download API

This API helps to generate a pre-authenticated URL (PAR URL), to download the report in CSV format, if the number of records in a report is more than 5000.

The status response can contain the following values:

- **COMPLETED** - When the export API execution is completed successfully and response is generated for
  - Number of records below 5000
  - Number of records above 5000
- **PENDING** - denotes that the report export is yet to start and is in the queue.
- **RUNNING** - When the API execution is in progress.
- **FAILED** - When the Export API execution is not completed successfully.

End Point Details

- **Method** – POST
- **REST Endpoint** - /aai-dmi-service/vw/v1/repgenstatus

Table 2-1 Request JSON Parameters

Header Name	Description	Example
Content-Type	The media type of the body of the request. Required for POST and PUT requests, and the supported types vary with each endpoint.	Application/Json
srvc_id	The unique service ID associated with the report. • **Data Type**: String • **Mandatory**: Yes	OFS_COMM
appId	Respective application ID of the cloud service • **Data Type**: String • **Mandatory**: Yes	OFS_AMLCS
reportNm	The auto-generated code for the specific report. You can get this code from the Report Details page. For more information refer to #unique_13. • **Data Type**: String • **Mandatory**: Yes	OFS_AMLCS_1d312c
reportType	The report file format. • **Data Type**: String • **Mandatory**: Yes	CSV

Table 2-1 (Cont.) Request JSON Parameters

Header Name	Description	Example
reportDefType	The report definition type. • **Data Type**: String • **Mandatory**: Yes	V - the report is based on a database view.
ofs_remote_user	The login name of the user exporting the report. The OFS remote user should be authenticated and a token must be generated for the user credentials. For more information, refer to #unique_14. • **Data Type**: String • **Mandatory**: Yes	
reportInstanceID	The instance ID of the report which is being exported. You can get the report instance ID from Response JSON Parameters • **Data Type**: Integer • **Mandatory**: Yes	40

Response JSON Parameters

This section provides the list of parameters in the JSON Response.

Table 2-2 POST JSON Response

Name	Type	Description
`requestInstanceId`	STRING	Request Instance ID of the export process
`downloadlink`		Click the link to download the document
`status`	STRING	Status of the export

Sample Response

- The following sample response is generated, when the Download report request is in progress.

```
{  "requestInstanceId":"161","status":"RUNNING"}
```

- The following sample response is generated , when the download request is processed and the PAR URL to download the report is included in the response. You can copy the PAR URL and paste it in a Web browser, to download the report in CSV format.

```
"requestInstanceId":"183","downloadLink":
"https://objectstorage.us-phoenix-1.oraclecloud.com/p/V9CMuA-
pFmoZ6xs_JzB1N4SaLWWCmsp38kAH-IOCeIuz-zdxP8Px6SW7Y_zon9yb/n/oraclegbudevcorp/b/
fsgbu_aml_cndevcorp_kdlyds-prd_default/o/default/2023-05-23/vnc/4eac548e-65e8-4baf-
a1bf-5e3ab9c7455e?
```

httpResponseContentDisposition=ATTACHMENT%3B%20filename%3DCR_2023-05-2316848453024
75.csv","status":"COMPLETE"

- The following sample response is generated , when the download request is in pending status.

"{"requestInstanceId":"161","status":"PENDING"}

3
Generate Report API

Use Generate Report API, to generate report based on the given input data.

For more information about Generate Report API, refer to

- Endpoint Details
- Request JSON Parameters
- Response JSON Parameters

End Point Details

- **Method** – POST
- **REST Endpoint** - /aai-dmi-service/vw/v1/repgen
- **Content-type** - application/json

Request Headers Details

- **ofs_remote_user** - (String). User ID of the user.
- **ofs_service_id** - (String).The unique service ID associated with the report.
- **ofs_workspace_id** - (String). The Workspace ID of the Application. It is defaulted to “WS001” and same should be passed each time.
- **Locale** - (String). The local language in the language code format. For example, `en-US`.
- **reportcode** - (String). The auto-generated code for the specific report. You can get this code from the Report Details page.
- **reportType** - (String). The report file format.
- **appid** - (String). Respective application ID of the cloud service
- **reportDefType** - (String). The report definition type. By default this value is set to **V** (View).

Request JSON Parameters

Request JSON Parameters for Generate Report API

- **filterCriteria** - The filter conditions set to include a specific set of data in the report, using the defined expressions. You can add the filter criteria in the Filter Conditions page.

Request JSON Sample when there is no filter

```
{
"filterCriteria":""
"placeholderFilter": ""
}
```

Request JSON Sample when filter applied

```
{
 "filterCriteria": "FSI_ACCID_HEALTH_INS_CO_CD.CREATED_BY =
      'DMIUSER1'"
}
{
 "filterCriteria": "FSI_ACCID_HEALTH_INS_CO_CD.CREATED_BY = 'DMIUSER1' AND
      FSI_ACCID_HEALTH_INS_CO_CD.CO_ID IN ('100', '200') "
}
{  "filterCriteria": "FSI_ACCID_HEALTH_INS_CO_CD.CREATED_BY = 'DMIUSER1' AND
      FSI_ACCID_HEALTH_INS_CO_CD.CO_ID IN ('100', '200') ",
"placeholderFilter":
      "FSI_ACCID_HEALTH_INS_CO_CD.CURRENCY = PLACEHODER1 AND
FSI_ACCID_HEALTH_INS_CO_CD.COUNTRY =
      'IND' AND FSI_ACCID_HEALTH_INS_CO_CD.AS_OF_DATE = PLACEHOLDER2 "
}
```

Response JSON Parameters

Sample Response

```
{
  "status": "PENDING",
  "requestInstanceId": "100"
}
```

4

Get Report Generation Status and PAR URL Link API

View the report generation status and also get a pre-authenticated URL (PAR URL), to download the report in CSV format, using the Get Report Generation Status and PAR URL Link API.

The status response can contain the following values:

- **COMPLETED** - When the export API execution is completed successfully and response is generated.
- **PENDING** - denotes that the report export is yet to start and is in the queue.
- **RUNNING** - When the API execution is in progress.
- **FAILED** - When the Export API execution is not completed successfully.

For more information about this API,

- Endpoint Details
- Response JSON Parameters

End Point Details

- **Method** – POST
- **REST Endpoint** - aai-dmi-service/vw/v1/repgenstatus
- **Content-type** - application/json

Request Headers Details

- **ofs_remote_user** - (String). User ID of the user.
- **ofs_service_id** - (String).The unique service ID associated with the report.
- **ofs_workspace_id** - (String). The Workspace ID of the Application. It is defaulted to “WS001” and same should be passed each time.
- **Locale** - (String). The local language in the language code format. For example, `en-US`
- **reportcode** - (String). The auto-generated code for the specific report. You can get this code from the Report Details page.
- **reportInstanceID** - (Integer). The instance ID of the report which is being exported. You can get the report /request instance ID from Response JSON Parameters of Generate Report API.

Response JSON Parameters

This section provides the list of parameters in the JSON Response.

- **requestInstanceId** - (String). Request Instance ID of the export process
- **downloadlink** - (String). Click the link to download the document.

- **status** - (String). Status of the export

Sample Response

- The following sample response is generated, when the Download report request is in progress.

```
Report Request Accepted
{
  "status": "PENDING",
  "requestInstanceId": "100"
}
Report Request is being processed
{
 "status": "RUNNING",
 "requestInstanceId": "100"}
Report Request Generation Failed
{
 "status": "FAIL",
 "reportInstanceId": "100"}
Report Request Generation Completed  - for higher volume
{
 "status": "COMPLETE",
 "reportInstanceId": "100",
 "downloadLink": "<url>"
}
```

- The following sample response is generated , when the download request is processed and the PAR URL to download the report is included in the response. You can copy the PAR URL and paste it in a Web browser, to download the report in CSV format.

```
"requestInstanceId":"183",
"downloadLink": "<URL>",
"status":"COMPLETE"
```

- The following sample response is generated , when the download request is in pending status.

```
"{"requestInstanceId":"161","status":"PENDING"}
```