

# Oracle Financial Services

## REST APIs for Accounting Foundation Cloud Service



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# 1

## Revision History

**Table 1-1 Document Control**

| Release and Version Number | Revision Date | Change Log                                                                                                                                                                                             |
|----------------------------|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| R 25.3.5, V1.0             | May 2025      | Documented the <a href="#">Generating the PAR URL for Scheduled BI Publisher Report</a> section.                                                                                                       |
| R 25A, V 1.0               | March 2025    | Documented the following: <ul style="list-style-type: none"><li>• <a href="#">Fetching the PMF Dashboard Status Report</a></li><li>• <a href="#">Fetching the PMF Dashboard Error Report</a></li></ul> |

# 2

## Get Help

This section describes the Get Help options in the AFCS application.

### 2.1 Access Help Content

Use the Help icon



to access help in the application. If you do not see any help icons on your page, click your avatar or name in the global header and select Show Help Icons.

Note that not all pages have help icons. You can also access the [Oracle Help Center](#) to find guides and videos.

#### 2.1.1 Watch Video



**Watch:** This video tutorial shows you how to find and use help.

You can also [read about it](#) instead.

#### 2.1.2 Additional Resources

- **Community:** Use [Oracle Cloud Customer Connect](#) to get information from experts at Oracle, the partner community, and other users.
- **Training:** Take courses on Oracle Cloud from [Oracle University](#).

### 2.2 Learn About Accessibility

For information about Oracle's commitment to accessibility, visit the [Oracle Accessibility Program](#). Videos included in this guide are provided as a media alternative for text-based topics also available in this guide.

### 2.3 Get Support

You can get support at [My Oracle Support](#).

For accessible support, visit [Oracle Accessibility Learning and Support](#).

## 2.4 Get Training

Increase your knowledge of Oracle Cloud by taking courses at the [Oracle University](#).

## 2.5 Join Our Community

Use [Cloud Customer Connect](#) to get information from industry experts at Oracle and in the partner community. You can join forums to connect with other customers, post questions, and watch events.

## 2.6 Share Your Feedback

We welcome your feedback about Oracle Applications user assistance. If you need clarification, find an error, or just want to tell us what you found helpful, we'd like to hear from you.

You can email your feedback to [My Oracle Support](#).

Thanks for helping us improve our user assistance!

# 3

## About the REST APIs

You can use Oracle REST APIs to view data stored in the Oracle Financial Services Accounting Foundation Cloud Service. A REST API (also known as RESTful API) is an Application Programming Interface (API or web API) that conforms to the constraints of REST Architectural Style and allows for interaction with RESTful Web Services.

AFCS provides Representational State Transfer (REST) APIs to perform user tasks in an automated manner. The REST API is an Application-Programming Interface that provides a simplified way to exchange data through HTTP requests from a Client to the Server. In REST APIs, a resource is an object with a type, associated with data, and relationships formed to other resources. You can use a set of HTTP Methods to access each resource.

Resources are organized in a Hierarchical Structure that enables:

- Better organization, by grouping related data so that you can efficiently customize the resources.
- Improved performance by using a single HTTP request to handle multiple resources.

# 4

## Getting Started

### 4.1 Prerequisites

- Access to the Accounting Foundation Cloud Service.  
Before accessing PMF services, ensure that you have the following access rights:
  - **WFCRUD\_EXT** - to access Workflow CRUD API
  - **WFEXEC\_EXT** - to access Workflow Execute API
  - **WFREAD\_EXT** - to access Workflow Read APIFor more information on user group and user role mapping, see [User Group and User Role Mapping](#).
- Appropriate User Privileges to access the services.
- Technical and Functional knowledge to understand and execute the REST APIs and configuration knowledge.
- Knowledge of REST Concepts, JSON, and browser-based REST Client.
- Knowledge of interactive and automatic tools to verify the APIs such as Postman and Command Line Interfaces (CLI).



#### Note:

Trailing Slashes (/) are not supported in REST API URL's. Avoid adding trailing slashes at the end of URL's.  
For Example: `https://<HOST_NAME:PORT>/<TENANT>/aai-object-migration-service/v1/public/downloadurl/export/`

#### 4.1.1 Obtain Account Information

The account creation email from Oracle contains the Identity Domain Name for the Accounting Foundation Cloud Service Instance. If you do not have this information, then contact your Service Administrator.

### 4.2 Authentication

The Authentication Process involves the use of cURL Commands in a CLI Tool to generate the access token and invoke REST APIs. The Authentication Token is generated through the OAuth Client ID and Secret Credentials created in IAM/IDCS during Provisioning. The Authentication Token does not require that you log in to the AFCS Application to invoke the REST APIs from external applications.

Ensure that you have the appropriate log-in credentials to access the Accounting Foundation Cloud Service and the appropriate roles to perform specific operations using the API

Resources. The following is the list of steps for Authentication and further subsections provide the details:

1. [Download the Application Certificate](#)
2. [Get the OAuth Client ID and Client Secret](#)
3. [Generate the Access Token](#)
4. [Generate the Refresh Token](#)
5. [Invoke the API using the Access Token](#)
6. [Activate New User Accounts for API Invocation](#)

## 4.2.1 Download the Application Certificate

The Application Certificate is required for verification purposes when you use cURL commands. You may choose not to download the certificate if you plan to turn off the cURL Certificate Verification and use an insecure connection (if you add the `--insecure` Flag to the cURL command).

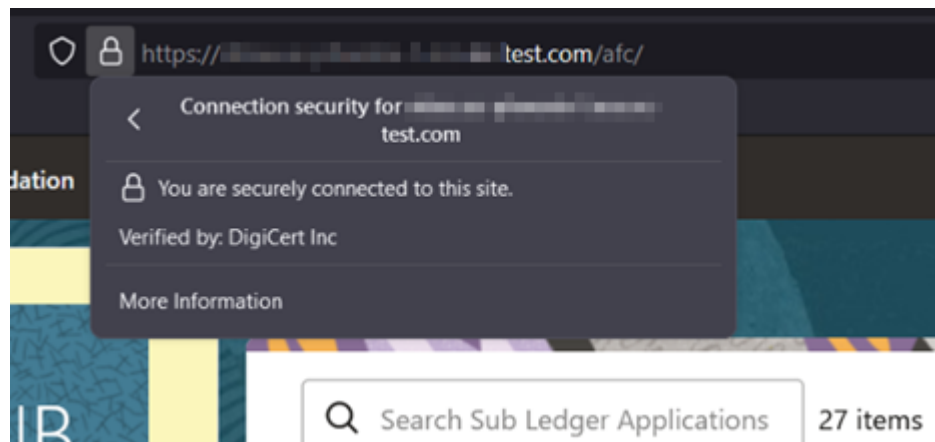
To download the Application Certificate, do as follows:

1. Log in to the AFCS Application.



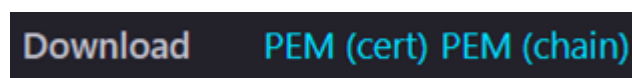
2. Click the **View site information/Verified by** Icon in the Browser URL Address Bar.
3. Select **More information**.

Figure 4-1 Certificates - More information



4. Click **View Certificate** and then click **PEM(cert)** to download the certificate.

Figure 4-2 Download PEM (cert)





## 4.2.2 Get the OAuth Client ID and Client Secret

To get the OAuth Client ID and Client Secret, follow these steps:

1. Enter the IDCS URL in the Browser's URL Address Bar.  
The **Oracle Cloud Account Sign In** Window appears.
2. Log in to **Oracle Identity Cloud Service** (IDCS).



3. Select the **Navigation**  Icon to view a list of available functions.
4. Select **Oracle Cloud Services**.

For more information, see [Access Service Consoles](#) from **Administering Oracle Identity Cloud Service**.

5. From the Oracle Cloud Services Window, select the required AFCS Internal Application Service (in **AFCS <tenant-id> INTERNAL** Format) from the list.

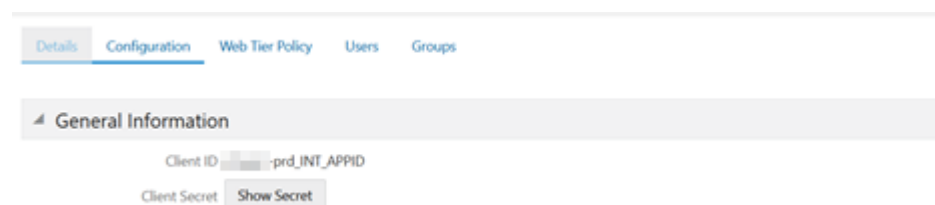
### Note:

If you are retrieving ERP ESS Job Details API, select the required AFCS Application Service (in **AFCS <tenant-id>** Format) from the list. Ensure you use the same **AFCS <tenant-id>** while generating the Access Token.

6. Click the **Configuration** Tab.

The Client ID and Client Secret Details are displayed in the General Information Section.

**Figure 4-3 Client ID and Client Secret**



7. Copy the **Client ID** and **Client Secret**.
8. Open a CLI Tool.
9. [Generate the Access Token](#).

## 4.2.3 Generate the Access Token

To generate the Access Token, add the Client ID, Client Secret, User Name, and Password using cURL Commands in the CLI Tool. The following is an example:

```
echo -n "<tenant_oauth_app_client_id>:<tenant_oauth_app_client_secret>" |
base64 -w 0      (generates basic base64 encoded authorization token)

curl -H "Authorization: Basic <base64 encoded
tenant_oauth_app_client_id:tenant_oauth_app_client_secret>"

-H "Content-Type: application/x-www-form-urlencoded;charset=UTF-8" --
request POST

https://<idcs-URL.identity>.<TENANT>.com/oauth2/v1/token

-d
"grant_type=password&scope=urn:opc:idm:__myscopes__&username=<username>&password=<password>"

echo -n "<PROD_APP_ID_INTERNAL>" | base64 -w 0

curl -H "Authorization: Basic <Basic_Auth_Token>

-H "Content-Type: application/x-www-form-urlencoded;charset=UTF-8" --
request POST

https://<idcs-URL.identity.TENANT.com/oauth2/v1/token

-d
"grant_type=password&scope=urn:opc:idm:__myscopes__&username=<UserName>&password=<Password>"
```

After generating the Access Token, invoke the API as shown in the following section.

## 4.2.4 Generate the Refresh Token

To generate the Refresh Token, add the Client ID and Client Secret using cURL Commands in the CLI Tool. The following is an example:

```
echo -n "<tenant_oauth_app_client_id>:<tenant_oauth_app_client_secret>" |
base64 -w 0      (generates basic base64 encoded authorization token)

curl -H "Authorization: Basic <base64 encoded
tenant_oauth_app_client_id:tenant_oauth_app_client_secret>"

-H "Content-Type: application/x-www-form-urlencoded;charset=UTF-8" --
request POST

https://<idcs-URL.identity>.<TENANT>.com/oauth2/v1/token

-d
```

```
"grant_type=password&username=<username>&password=<password>&scope=urn:opc:ldm:
__myscopes__%20offline_access"
```

Use the previously generated refresh token to generate a new access token without reauthenticating or providing user credentials.

```
curl -H "Authorization: Basic <base64 encoded
tenant_oauth_app_client_id:tenant_oauth_app_client_secret"

-H "Content-Type: application/x-www-form-urlencoded; charset=UTF-8" --
request POST

https://<idcs-URL.identity>.<TENANT>.com/oauth2/v1/token

-d "grant_type=refresh_token&refresh_token=<refresh-token>&scope=<scope
value>"
```

After generating the Refresh Token, invoke the API as shown in the following section.

## 4.2.5 Invoke the API using the Access Token

To invoke the API using the generated Access Token, do as shown in the following example using cURL Commands in the CLI Tool:

```
curl -iL -H "Authorization: Bearer <access token>" -H "Content-Type:
<content_type>" -d "<request_body>" --cacert <certificate(.pem)> -X
<http_verb> <api_url>

curl -iL -H "Authorization: Bearer <AUTH_TOKEN>"

-H "Content-Type: application/json" -d '{"type": "files", "data":
[{"fileName": "testtoken", "mimeType": "text/plain", "fileSize":
123}]}' --cacert outcert.pem -X POST https://<AFCS-URL>/<TENANT><APP_ID>/dsa/
utils/getObjStoreParUrl
```

## 4.2.6 Activate New User Accounts for API Invocation

Users must be activated in AFCS before invoking the APIs. You must perform one of the following option as a one time activity to activate new user accounts in AFCS.

1. Login to the AFCS application after credentials are generated.

OR

2. Invoke the User Activation API using the below details.
  - **Method** – POST
  - **REST Endpoint** - /identity-service/v1/provisioning

- **API Request Payload** - null

```
curl -iL -H "Authorization: Bearer <access token>" -H "Content-Type:
<content_type>" --cacert <certificate(.pem)> -X POST https://<AFCS-URL>/
<tenant_id>/identity-service/v1/provisioning>
```

## 4.3 Supported Methods

- **GET:** Retrieve information about the service instance.
- **POST:** Create, scale, backup, start, and stop the service instance.

### 4.3.1 Media Types

The following media type is supported by the Accounting Foundation Cloud Service REST APIs:

- application/json

## 4.4 Supported Headers

The REST API supports headers that may be passed in the header section of an HTTP Request or Response.

**Table 4-1 Table: Supported Headers**

| Headers      | 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. | Content-Type: application/json |
| Accept       | The media type of the body of the response.                                                                                     | Accept: application/json       |

## 4.5 Status Code

When you call the Accounting Foundation Cloud Service REST APIs Resources, the Response Header returns one of the standard HTTP Status Codes.

**Table 4-2 Status Code**

| HTTP Status Code | Description                                                                                              |
|------------------|----------------------------------------------------------------------------------------------------------|
| 200 OK           | The request was successfully completed.<br>A 200 status is returned for a successful GET or POST Method. |

Table 4-2 (Cont.) Status Code

| HTTP Status Code       | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 201 Created            | <p>The request has been fulfilled and resulted in a new resource being created.</p> <p>The response includes a Location Header containing the canonical URI for the newly created resource.</p> <p>A 201 status is returned from a synchronous resource creation or an asynchronous resource creation that was completed before the response was returned.</p>                                                                                                                                                                                                                                                             |
| 202 Accepted           | <p>The request has been accepted for processing, but the processing has not been completed.</p> <p>The request may or may not eventually be acted upon, as it may be disallowed at the time the processing takes place.</p> <p>When specifying an Asynchronous (<code>__detached=true</code>) Resource creation (for example, when deploying an application), or update (for example, when redeploying an application), a 202 is returned if the operation is still in progress. If <code>__detached=false</code>, a 202 may be returned if the underlying operation does not complete in a reasonable amount of time.</p> |
| 400 Bad Request        | <p>The request could not be processed because it contains missing or invalid information (such as a validation error on an input field, a missing required value, and so on).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 401 Unauthorized       | <p>The request is not authorized.</p> <p>The Authentication Credentials included with this request are missing or invalid.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 403 Forbidden          | <p>The user cannot be authenticated.</p> <p>The user does not have the authorization to perform this request.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 404 Not Found          | <p>The request includes a resource URI that does not exist.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 405 Method Not Allowed | <p>The HTTP verb specified in the request (DELETE, GET, POST, PUT) is not supported for this request URI.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 406 Not Acceptable     | <p>The resource identified by this request is not capable of generating a representation corresponding to one of the media types in the Accept Header of the request.</p> <p>For example, the client's Accept Header request XML be returned, but the resource can only return JSON.</p>                                                                                                                                                                                                                                                                                                                                   |
| 409 Conflict           | <p>The client's ContentType Header is not correct (for example, the client attempts to send the request in XML, but the resource can only accept JSON).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 415 Not Acceptable     | <p>The client's ContentType Header is not correct (for example, the client attempts to send the request in XML, but the resource can only accept JSON).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

**Table 4-2 (Cont.) Status Code**

| HTTP Status Code          | Description                                                                                                                                                 |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 500 Internal Server Error | The server encountered an unexpected condition that prevented it from fulfilling the request.                                                               |
| 503 Service Unavailable   | The server is unable to handle the request due to temporary overloading or maintenance of the server.<br>The REST Web Application is not currently running. |

# 5

## Mandatory Authentication to be performed before calling any API

To call the API, follow these steps:

1. Open a relevant tool. For example: Postman, Command Prompt, and so on.
2. Copy only the Authorization Token that you got from the [Authentication](#) Request.
3. Go to Header, and enter KEY as an **Authentication** and Description as a bearer (Authorization Token/ Refresh Token) <eyJ4NXQjUzI1NiI6Ikk3cWxndm1Kal...>.
4. Send a request using the **GET/POST** method based on the end point details. The request must be in the following format:
  - **URL Examples:**
    - `https://<HOST_NAME:PORT>/<TENANT>/dsa-ext/v1/data-access/keys/<connector_id>`
    - `https://<HOST_NAME:PORT>/<TENANT>/dsa-ext/v1/fileupd/gen-par`
    - `https://<HOST_NAME:PORT>/<TENANT>/public/downloadurl/export/{objCode}`
    - `https://<HOST_NAME:PORT>/<TENANT>/public/status/export/{code}`

# 6

## Generating PAR URL for File Operations

The PAR URL for File Operations API creates a PAR File that you can use to perform file operations in the Object Store for end-to-end integrations.

### 6.1 Generating PAR URL for File Upload

You can use this REST API to generate the PAR URL for File Upload. See the following sections for information on how to perform the post operation.

#### 6.1.1 End Point Details

- **Method** – POST
- **URL** - `https://<HOST_NAME:PORT>/<TENANT>/dsa-ext/v1/fileupd/gen-par`
- **Content-Type** - Application/Json

##### 6.1.1.1 Request JSON Parameters

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

**Table 6-1 Request JSON Parameters**

| Name     | Type    | Required | Description                                                                                                                                                                                                                                                                                                                                                                                |
|----------|---------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| fileName | STRING  | Yes      | The name of the file to be uploaded.<br>The following are the conditions for to enter in this field: <ul style="list-style-type: none"><li>• Must start with an Alphanumeric Character</li><li>• Allowed characters are alphabets, numbers, and special characters - hyphen(-), dot(.), and underscore(_)</li><li>• Length of characters must not be greater than 255 characters</li></ul> |
| fileSize | INTEGER | Yes      | The size of the file to be uploaded.<br>The size of the file should be greater than 1 Byte and less than 7 GB.                                                                                                                                                                                                                                                                             |



**Table 6-1 (Cont.) Request JSON Parameters**

| Name        | Type   | Required | Description                                                                                                                                                                                                                                                  |
|-------------|--------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| contentType | STRING | Yes      | The mime type to be uploaded.<br>The following mime types are allowed: <ul style="list-style-type: none"><li>• text/csv</li><li>• text/plain</li><li>• application/vnd.openxmlformats-officedocument.spreadsheetml.sheet</li><li>• application/zip</li></ul> |

**Request JSON Sample**

```
[{
  "fileName": "File.csv",
  "fileSize": 7654,
  "contentType": "text/csv"
}, {
  "fileName": "File1.csv",
  "fileSize": 8765,
  "contentType": "text/csv"
}, {
  "fileName": "file3.zip",
  "fileSize": 5512,
  "contentType": "application/zip"
}]
```

## 6.1.1.2 Response JSON Parameters

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

**Table 6-2 POST JSON Response**

| Name      | Type    | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| code      | STRING  | <p>The Status Code.</p> <p>The following is the list with details:</p> <ul style="list-style-type: none"> <li>• DS0000 - Success</li> <li>• DS0002- Service Not Found</li> <li>• DS0003 - Invalid JSON</li> <li>• DS0004 - Request Body is empty</li> <li>• DS0005 - File Name cannot be empty</li> <li>• DS0006 - File name [{0}] length cannot be greater than 255 characters</li> <li>• DS0007 - MIME type cannot be empty for {0}</li> <li>• DS0008 - Invalid MIME type specified for {0}. Supported MIME types : {1}</li> <li>• DS0009 - File size not specified for {0}</li> <li>• DS0010 - File size should be greater than 1B and less than 7GB for {0}</li> <li>• DS0012 - File {0} must start with an alphanumeric character and allowed characters in file name are alphanumeric characters, hyphen(-), dot(.), underscore(_)"</li> </ul> |
| fileName  | STRING  | The name of the file to be uploaded.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| uploadURL | STRING  | The generated pre-authenticated URL to upload a file.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| fileId    | INTEGER | The unique File Identifier.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

**Response JSON Sample**

```
{
  "code": "DS0000",
  "body": {
    "success": [{
      "filename": "File.csv",
      "uploadURL":
        "https://objectstorage.us-phoenix-1.oraclecloud.com/p/
        t7iU0y7009NXbFpXozqB5EJKvUv25VfzoK1j8e3yK_GgfHHeW9sCcWMdMI_IVRg4/n/
        oraclegbudevcorp/b/fsgbu_fsafnd_cndevcorp_h3ofin-prd_default/o/
        default/ett/wti/335fbbef-e160-4825-8974-3bf957c6dc00",
      "fileId": 34034
    }], {
      "filename": "File1.csv",
      "uploadURL":
```

```
      "https://objectstorage.us-phoenix-1.oraclecloud.com/p/
e0xuvdJw6zSFF00hO-I1kwgko624ouF5CNevjTpWMSYpK3180CYJ4Xhkpx4P33cp/n/
oraclegbudevcorp/b/fsgbu_fsafnd_cndevcorp_h3ofin-prd_default/o/
default/asg/seof4ed02e4-581d-46a7-8ebc-cl01261eeaf9",
"fileId": 34033
}], "failed": []
}, {
"filename": "file3.zip",
"uploadURL":
      "https://oraclegbudevcorp.objectstorage.us-phoenix-1.oci.customer-
oci.com/p/Q9q2gkVFq10gVY_ZKyYWtN0fe7S3qzRg-syKN89YhUkyvVTGeOxQgMIBmEFO7BVT/n/
oraclegbudevcorp/b/fsgbu_fsafnd_cndevcorp_sc0noi-prd_default/o/default/
2024-09-06/1bv/118757d4-3cd5-4901-b643-aed44f22abb6",
"fileId": 34035
}
}
```

## 6.2 Generating PAR URL For File Download

You can use this REST API to generate the PAR URL for File Download. See the following sections for information on how to perform the post operation.

### 6.2.1 End Point Details

- **Method** – POST
- **REST Endpoint** - /dsa-ext/v1/filedwd/gen-par
- **Content-Type** - Application/Json

**Table 6-3 End Point Details**

| Name         | Type   | Required | Value            |
|--------------|--------|----------|------------------|
| Content-Type | String | YES      | application/json |

#### 6.2.1.1 Request JSON Parameters

**Table 6-4 Request JSON Parameters**

| Name     | Type   | Required | Description                                                                                                                                      |
|----------|--------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| fileName | STRING | YES      | The name of the file to be downloaded and the supported formats are CSV, XLSX, and TXT.<br><b>For Example:</b><br>ah_acct_period_16-Nov-2022.csv |

Request JSON Sample

```
["ah_acct_period_16-Nov-2022.csv"]
```

## 6.2.1.2 Response JSON Parameters

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

**Table 6-5 Table: POST JSON Response**

| Name        | Type   | Description                                                                                                                                                                                                          |
|-------------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| fileName    | STRING | The name of the file to be downloaded.                                                                                                                                                                               |
| downloadURL | STRING | The generated pre-authenticated URL to download a file. The downloadURL is displayed only when the pre-authenticated URL exists and status of the file is <b>Available</b> .                                         |
| code        | STRING | The Status Code.<br>The following is the list with details: <ul style="list-style-type: none"><li>• DS0000 - Success</li><li>• DS0004 - Request Body is empty</li><li>• DS0005 - File Name cannot be empty</li></ul> |

### Response JSON Sample

```
{
  "code": "DS0000",
  "body": {
    "success": [
      {
        "fileName": "ah_acct_period_16-Nov-2022.csv",
        "downloadURL":
          "https://objectstorage.us-phoenix-1.oraclecloud.com/p/
          ywJMqilN7geicAnRKLuFaX_UaGhVzBohk9fFe6i8EgWN6y6d__2fyNlK-ssixTeZ/n/
          oraclegbudevcorp/b/fsgbu_fsafnd_cndevcorp_qfgnhy-prd_default/o/
          default/jfm/cdq/761dac86-e187-495c-92cc-4f1760dfe839"
      }
    ],
    "failed": []
  }
}
```

# 7

## Initiating a PMF Process

This section provides information on how to initiate a PMF process.

### 7.1 End Point Details

- **Method** – POST
- **REST Endpoint** - /pmf-exec/rest-api/v1/PMFService/execute
- **Content-Type** - Application/Json

**Table 7-1 Request Header Details**

| Name           | Type   | Required | Value            |
|----------------|--------|----------|------------------|
| ofs_service_id | String | Yes      | OFS_FSAFND       |
| Content-Type   | String | No       | application/json |

After the pipeline is executed, `responseStatus` indicates “SUCCESS” or “failed” based on the result of the execution.

#### 7.1.1 Request JSON Parameters

**Table 7-2 Request JSON Parameters**

| Name              | Type   | Required | Description                                                                                                                                                                                         |
|-------------------|--------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SummaryPayload    | OBJECT | Yes      | This is an object with the properties mentioned below                                                                                                                                               |
| objectid          | STRING | Yes      | Specify an unique string identifier for the execution. Allowed characters are alphabets , numbers, Hyphen(-),and Underscore(_)<br>No other special characters are allowed<br>For example: 'test123' |
| processID         | STRING | Yes      | Process ID of the Run Pipeline                                                                                                                                                                      |
| objecttype        | STRING | NO       | Specify an empty string                                                                                                                                                                             |
| locale            | STRING | Yes      | Specify values as 'en-us'                                                                                                                                                                           |
| applicationparams | OBJECT | Yes      | Specify values for the run time execution parameters.                                                                                                                                               |

#### Request JSON Samples

You can additionally pass Hierarchy Name or description with the code though it's not mandatory.

```
{
  "SummaryPayload": {
    "objectId": "$objectId",
    "processID": "1652966081449",
    "objecttype": "null",
    "locale": "en-US",
    "applicationparams":{"FIC_MIS_DATE":"2020-06-01"}
  }
}

{
  "SummaryPayload": {
    "objectId": "$objectId",
    "processID": "1652966081449",
    "objecttype": "null",
    "locale": "en-US",
    "applicationparams":{"FIC_MIS_DATE":"2019-12-27",
      "DATA_SOURCE":"0","LE":"1","LEDGER_ID":"13",
      "V_RUN_MAIN_DESC":"DRY_RUN"}
  }
}

{
  "SummaryPayload": {
    "objectId": "$objectId",
    "processID": "1652966081449",
    "objecttype": "null",
    "locale": "en-US",
    "applicationparams":{"FIC_MIS_DATE":"2020-01-03","hierDetailsDATA_SOURCE":
[{"hierValueCode":"19","value":"Swaps","hierNodeCode":"91BCE0029346911993",
  "leafCondition":"CASE WHEN
DIM_DATA_SOURCE.F_LATEST_RECORD_INDICATOR = 'Y' THEN
DIM_DATA_SOURCE.N_DATA_SOURCE_ID END = '19',"hierNodeDesc":"Swaps"}]},
    "hierDetailsLE":
[{"hierValueCode":"1","value":"MYBANK_US_01","hierNodeCode":"91BCE003934691193
",
      "leafCondition":"CASE WHEN
DIM_LEGAL_ENTITY.F_LATEST_RECORD_INDICATOR = 'Y' THEN
DIM_LEGAL_ENTITY.N_LE_ID END = '1',"
      "hierNodeDesc":"MYBANK_US_01"}],"V_RUN_MAIN_DESC":"21-
SWAPS-1-20200102","LEDGER_ID":"1234570000000000"}
  }
}
```

## 7.1.2 Response JSON Parameters

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

**Table 7-3 Table: POST JSON Response**

| Name              | Type   | Description                                                           |
|-------------------|--------|-----------------------------------------------------------------------|
| processInstanceID | STRING | Instance Id of the Process being executed                             |
| stopExecutionFlag | STRING | Flag indicates if the execution stopped due to internal failure       |
| processStatus     | STRING | It indicates if the process execution has started Successfully/Failed |
| processID         | STRING | Process ID of the Run Pipeline                                        |
| workflowStatus    | STRING | Status of the process execution                                       |
| lastActivity      | STRING | It is the next activity ID in the process to be executed              |
| responseJSON      | STRING | Response of a particular task, if any                                 |
| responseStatus    | STRING | Rest API standard status                                              |

**Response JSON Sample**

```
{
  "payload": {
    "processInstanceID": "1634536080515_3f80680b-3276-42ac-a41c-
a573d0697c23",
    "stopExecutionFlag": false,
    "processStatus": "SUCCESS",
    "processID": "1634536080515",
    "workflowStatus": "COMPLETED",
    "lastActivity": "Job_1583994521890",
    "responseJSON": "",
    "responseStatus": "SUCCESS"
  }
}
```

# 8

## Initiating a PMF Process Using Object ID

This section provides information on how to initiate a PMF process using an object ID.

### 8.1 End Point Details

- **Method** – POST
- **REST Endpoint** - /pmf-exec/rest-api/v2/PMFService/execute
- **Content-Type** - Application/Json

**Table 8-1 Request Header Details**

| Name           | Type   | Required | Value            |
|----------------|--------|----------|------------------|
| ofs_service_id | String | Yes      | OFS_FSAFND       |
| Content-Type   | String | No       | application/json |

After the pipeline is executed, `responseStatus` indicates “SUCCESS” or “failed” based on the result of the execution.

#### 8.1.1 Request JSON Parameters

**Table 8-2 Request JSON Parameters**

| Name        | Type   | Required | Description                                                                                                                                                                                         |
|-------------|--------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| objectID*   | STRING | Yes      | Specify an unique string identifier for the execution. Allowed characters are alphabets , numbers, Hyphen(-),and Underscore(_)<br>No other special characters are allowed<br>For example: 'test123' |
| processID   | STRING | Yes      | Process ID of the Run Pipeline                                                                                                                                                                      |
| processcode | STRING | Yes      | Process Code of the Run Pipeline                                                                                                                                                                    |



Table 8-2 (Cont.) Request JSON Parameters

| Name              | Type   | Required | Description                                           |
|-------------------|--------|----------|-------------------------------------------------------|
| applicationparams | OBJECT | Yes      | Specify values for the run time execution parameters. |



Note: Run purpose must be passed as a Run purpose name i

Table 8-2 (Cont.) Request JSON Parameters

| Name | Type | Required | Description |
|------|------|----------|-------------|
|      |      |          |             |

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e  
r  
.

 **Note:**  
All fields marked with an Asterisk (\*) symbol are mandatory fields.

 **Note:**  
Process Id and Process code are optional fields, either one can be passed for execution.

### Request JSON Sample

```
{  
  
  "objectId": "16062022-api3",  
  
  "processId": "PR_1654836288932",  
  
  "applicationParams": { "FIC_MIS_DATE": 2019-04-19, "run_purpose": ["test1"] }  
  
  "processCode": "code"  
  
}
```

## 8.1.2 Response JSON Parameters

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

**Table 8-3 Table: POST JSON Response**

| Name              | Type   | Description                                                                                          |
|-------------------|--------|------------------------------------------------------------------------------------------------------|
| processInstanceId | STRING | Instance Id of the Process being executed                                                            |
| processStatus     | STRING | It indicates if the process execution has started Successfully/Failed                                |
| processID         | STRING | Process ID of the Run Pipeline                                                                       |
| message           | STRING | It indicates the process message description<br>For example: Invalid Run Purpose, converted to other |

**Table 8-4 Possible Status Codes**

| Status Code | Description                                     |
|-------------|-------------------------------------------------|
| 202         | Success.                                        |
| 400         | If the process Id is not passed in the request. |
| 400         | Object ID is not passed.                        |
| 400         | If a duplicate process code is found.           |
| 400         | Object ID is already registered.                |
| 400         | If MIS date is not in correct format.           |
| 400         | If executing a workflow type pipeline.          |
| 400         | If wrong run purpose is passed.                 |
| 500         | Error while executing a pipeline.               |

### Response JSON Sample

```
{  
  
  "processInstanceId": "1634536080515_3f80680b-3276-42ac-a41c-a573d0697c23",  
  
  "processStatus": "SUCCESS",  
  
}
```

```
"processId":"","  
"message": "",  
}
```

# 9

## Viewing Ingested Data

The APIs allow you to view the data loaded into the system using the Ingestion Connector. You are required to follow the two-step process described in this topic. The first step is to use the Metadata Keys API to fetch the Metadata Keys. The second step is to use the Metadata Keys in the Retrieve Data using the Metadata Keys API.

### 9.1 Prerequisites

The following are the prerequisites to use the APIs listed in this section:

- Users must be mapped to the Data Access User Group (AFCSDTACCGRP).
- Users must get the Connector ID.  
For more information on how to get the Connector ID, see the below links
  - [Getting the Connector Metadata Key from the Data Catalog Viewer](#)
  - [Getting the Connector Metadata Key from the Connector Details page](#)
- Users must have all the details required to invoke the APIs.  
For more information, see [Executing Pipeline Using an API](#).

### 9.2 Get Metadata Keys

Use the Get method to fetch the Metadata Keys. The Get Metadata Keys API enables you to fetch the Business Term Codes for the Target that is used in the Connector. You can use the Business Term Codes in the Retrieve Data Using the Metadata Keys API request to retrieve data.

#### 9.2.1 End Point Details

- **Method** – GET
- **URL** - `https://<HOST_NAME:PORT>/<TENANT>/dsa-ext/v1/data-access/keys/<connector_id>`
- **Content-Type** - application/json

##### 9.2.1.1 Request JSON Parameters

There is no payload to be submitted during API invocation.

##### 9.2.1.2 Response JSON Parameters

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

**Table 9-1 POST JSON Response**

| Name       | Type    | Description                                                                                                                          |
|------------|---------|--------------------------------------------------------------------------------------------------------------------------------------|
| name       | STRING  | Connector name.                                                                                                                      |
| code       | INTEGER | Connector Metadata Key                                                                                                               |
| attributes | ARRAY   | Business Term Attributes<br>· name - The Business Term Name. This is a STRING.<br>· code - The Business Term Code. This is a STRING. |

**Response JSON Sample**

```
{  
  "code": "DIH0000",  
  "body": {  
    "name": "EXAMPLE_CONN_CDS_MT",  
    "code": "820",  
    "attributes": [{  
      "name": "As Of Date",  
      "code": "BT01375"  
    }, {  
      "name": "Joining Credit Score",  
      "code": "BT02010"  
    }, {  
      "name": "Original Account Number",  
      "code": "BT02726"  
    }, {  
      "name": "Account Or Contract Number",  
      "code": "BT053"  
    }, {  
      "name": "Address Identifier",  
      "code": "BT0126"
```

```
    }, {  
  
      "name": "Address Line One",  
  
      "code": "BT0127"  
  
    }, {  
  
      "name": "As Of Date",  
  
      "code": "BT01375"  
  
    }, {  
  
      "name": "Account Or Contract Numeric Identifier",  
  
      "code": "BT03956"  
  
    }, {  
  
      "name": "Address Numeric Identifier",  
  
      "code": "BT03959"  
  
    }  
  ]  
}  
}
```

## 9.3 Retrieve Data Using the Metadata Keys

Pass the Business Term Codes received in the response from the Get Metadata Keys API in the Retrieve Data using the Metadata Keys API request to retrieve data. You can specify a filter. However, the filter expression allows only one column.



### Note:

You must be assigned to this user group AFCSDTACCGRP to retrieve data using the metadata keys.

The API retrieves the JSON response payload data up to 5MB.

### 9.3.1 End Point Details

- **Method** – POST
- **URL** - `https://<HOST_NAME:PORT>/<TENANT>/dsa-ext/v1/data-access/data/<connector_id>`
- **Content-Type** - application/json

### 9.3.1.1 Request JSON Parameters

**Table 9-2 JSON Request**

| Name        | Type   | Required | Description                                                                                                                                                                                                                      |
|-------------|--------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| attr_filter | STRING | Yes      | Business Term Codes from the Get Metadata Keys API.<br>NOTE:<br>· The Business Term Codes must be enclosed within square brackets ([ ]).                                                                                         |
| data_filter | OBJECT | Yes      | Key is the Business Term Code and the value is the corresponding value for the Business Term Code.<br>For example:<br>"data_filter":<br>{ "BTO1375": "01-Apr-2022" }<br>NOTE:<br>· The filter expression allows only one column. |

**Request JSON Sample**

```
{  
  "attr_filter": ["BTO1375", "BTO2010", "BTO2726", "BTO53", "BTO126",  
    "BTO127", "BTO1375", "BTO3956", "BTO3959"],  
  "data_filter": {"BTO1375": "01-Apr-2022"}  
}
```

### 9.3.1.2 Response JSON Parameters

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

**Table 9-3 POST JSON Response**

| Name | Type   | Description                                                                                                             |
|------|--------|-------------------------------------------------------------------------------------------------------------------------|
| name | STRING | Logical Entity Name used in the Connector.                                                                              |
| data | ARRAY  | Key is the Business Term Code and the value is the corresponding value present in the table for the Business Term Code. |



## Response JSON Sample

```
{
  "code": "DIH0000",
  "body": [{
    "name": "Account",
    "data": [{
      "BT053": "5",
      "BT03956": "5",
      "BT01375": "2022-04-01 00:00:00",
      "BT02726": " ",
      "BT02010": " "
    }, {
      "BT053": "55",
      "BT03956": "55",
      "BT01375": "2022-04-01 00:00:00",
      "BT02726": " ",
      "BT02010": " "
    }]
  }, {
    "name": "Address",
    "data": [{
      "BT03959": "5",
      "BT01375": "2022-04-01 00:00:00",
      "BT0126": "abcd",
      "BT0127": " "
    }, {
      "BT03959": "55",
      "BT01375": "2022-04-01 00:00:00",
```

```
"BT0126": "abcde",  
"BT0127": " "  
}  
}  
}
```

# Abort PMF Execution Process

This section provides information on how to abort a PMF Execution process. This API aborts execution for given process Instance ID.

## 10.1 End Point Details

- **Method** – POST
- **REST Endpoint** - /pmf-exec/rest-api/v1/PMFService/abortprocess
- **Content-Type** - Application/Json

**Table 10-1 Request Header Details**

| Name           | Type   | Required | Value            |
|----------------|--------|----------|------------------|
| ofs_service_id | String | Yes      | OFS_FSAFND       |
| Content-Type   | String | No       | application/json |

**Table 10-2 End Point Details**

| Name              | Type   | Required | Value                                                |
|-------------------|--------|----------|------------------------------------------------------|
| processInstanceId | String | Yes      | "1658311255081_fa6a579a-d2f2-4455-8be3-f8b35022ba7f" |

After the pipeline is executed, status indicates "true" or "false" based on the result of the execution.

### 10.1.1 Request JSON Parameters

**Table 10-3 Request JSON Parameters**

| Name              | Type   | Required | Description                              |
|-------------------|--------|----------|------------------------------------------|
| processInstanceId | STRING | Yes      | Instance Id of the Process being aborted |

#### Request JSON Sample

```
{
  "processInstanceId": "1661750871424_96680f3d-8fd6-4602-86e7-38bbcded6e60"
}
```

## 10.1.2 Response JSON Parameters

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

**Table 10-4 POST JSON Response**

| Name              | Type   | Description                                                                             |
|-------------------|--------|-----------------------------------------------------------------------------------------|
| processInstanceId | STRING | Instance Id of the Process being aborted                                                |
| message           | STRING | It indicates the process message description<br>For example: Process is already running |
| status            | STRING | Status of the process execution.<br>· Success: True<br>· Failed: False                  |

**Table 10-5 Possible Status Codes**

| Status Code | Description                                                                |
|-------------|----------------------------------------------------------------------------|
| 200         | Process is aborted                                                         |
| 200         | Process is already completed or failed, so the process cannot be cancelled |
| 200         | Process Instance ID is not passed                                          |
| 500         | Not valid request                                                          |
| 401         | Unauthorized request                                                       |

Response JSON Sample

```
{  
  
    "message": "Process instance id is not passed",  
  
    "status": false  
}
```

# 11

## Abort PMF Execution Process Using Object ID

This section provides information on how to abort a PMF Execution process. This API aborts execution for given object ID.

### 11.1 End Point Details

- **Method** – POST
- **REST Endpoint** - /pmf-exec/rest-api/v2/PMFService/abortprocess
- **Content-Type** - Application/Json

**Table 11-1 Request Header Details**

| Name           | Type   | Required | Value            |
|----------------|--------|----------|------------------|
| ofs_service_id | String | Yes      | OFS_FSAFND       |
| Content-Type   | String | No       | application/json |

**Table 11-2 End Point Details**

| Name     | Type   | Required | Value           |
|----------|--------|----------|-----------------|
| objectId | String | Yes      | "1733828153618" |

After the pipeline is executed, status indicates "true" or "false" based on the result of the execution.

#### 11.1.1 Request JSON Parameters

**Table 11-3 Request JSON Parameters**

| Name     | Type   | Required | Description                            |
|----------|--------|----------|----------------------------------------|
| objectId | STRING | Yes      | Object Id of the Process being aborted |

#### Request JSON Sample

```
{
  "objectId":"1733828153618"
}
```

## 11.1.2 Response JSON Parameters

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

**Table 11-4 POST JSON Response**

| Name     | Type   | Description                                                                             |
|----------|--------|-----------------------------------------------------------------------------------------|
| objectID | STRING | Object Id of the Process being aborted                                                  |
| message  | STRING | It indicates the process message description<br>For example: Process is already running |
| status   | STRING | Status of the process execution.<br>· Success: True<br>· Failed: False                  |

**Table 11-5 Possible Status Codes**

| Status Code | Description                                                                |
|-------------|----------------------------------------------------------------------------|
| 200         | Process is aborted                                                         |
| 400         | Process is already completed or failed, so the process cannot be cancelled |
| 400         | Object ID is not passed                                                    |
| 500         | Error while fetching data                                                  |
| 500         | Failed to abort the process. Please retry                                  |
| 404         | If data is not available                                                   |

### Response JSON Sample

```
{  
  
    "message": " Process is aborted",  
  
    "status": "true"  
}
```

# 12

## Resume PMF Execution Process

This section provides information on how to Resume a PMF Execution process. This API resumes the process which is in Failed or Cancelled state.

### 12.1 End Point Details

- **Method** – POST
- **REST Endpoint** - /pmf-exec/rest-api/v1/PMFService/resumeprocess
- **Content-Type** - Application/Json

**Table 12-1 Request Header Details**

| Name           | Type   | Required | Value            |
|----------------|--------|----------|------------------|
| ofs_service_id | String | Yes      | OFS_FSAFND       |
| Content-Type   | String | No       | application/json |

**Table 12-2 End Point Details**

| Name              | Type   | Required | Value                                                |
|-------------------|--------|----------|------------------------------------------------------|
| processInstanceId | String | Yes      | "1658311255081_fa6a579a-d2f2-4455-8be3-f8b35022ba7f" |

After the pipeline is executed, status indicates "true" or "false" based on the result of the execution.

#### 12.1.1 Request JSON Parameters

**Table 12-3 Request JSON Parameters**

| Name              | Type   | Required | Description                              |
|-------------------|--------|----------|------------------------------------------|
| processInstanceId | STRING | Yes      | Instance Id of the Process being resumed |

#### Request JSON Sample

```
{
  "processInstanceId": "1661750871424_96680f3d-8fd6-4602-86e7-38bbcded6e60"
}
```

## 12.1.2 Response JSON Parameters

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

**Table 12-4 POST JSON Response**

| Name              | Type   | Description                                                                             |
|-------------------|--------|-----------------------------------------------------------------------------------------|
| processInstanceId | STRING | Instance Id of the Process being resumed                                                |
| message           | STRING | It indicates the process message description<br>For example: Process is already running |
| status            | STRING | Status of the process execution<br>· Success: True<br>· Failed: False                   |

**Table 12-5 Possible Status Codes**

| Status Code     | Description                                                    |
|-----------------|----------------------------------------------------------------|
| 200             | Process is resume                                              |
| 200             | Process is already running                                     |
| 200             | Process is already completed, so the process cannot be resumed |
| 400 bad request | Process Instance ID is not passed                              |
| 500             | PMF Execution service issue                                    |
| 401             | Unauthorized request                                           |

### Response JSON Sample

```
{
  "message": "Process is Resume",
  "status": true
}
```



# 13

## Resume PMF Execution Process Using Object ID

This section provides information on how to Resume a PMF Execution process using an Object Identifier. This API resumes the process which is in Failed or Cancelled state.

### 13.1 End Point Details

- **Method** – POST
- **REST Endpoint** - /pmf-exec/rest-api/v2/PMFService/resumeprocess
- **Content-Type** - Application/Json

**Table 13-1 Request Header Details**

| Name           | Type   | Required | Value            |
|----------------|--------|----------|------------------|
| ofs_service_id | String | Yes      | OFS_FSAFND       |
| Content-Type   | String | No       | application/json |

**Table 13-2 End Point Details**

| Name     | Type   | Required | Value           |
|----------|--------|----------|-----------------|
| objectId | String | Yes      | "1733828153618" |

After the pipeline is executed, status indicates “true” or “false” based on the result of the execution.

#### 13.1.1 Request JSON Parameters

**Table 13-3 Request JSON Parameters**

| Name     | Type   | Required | Description                            |
|----------|--------|----------|----------------------------------------|
| objectId | STRING | Yes      | Object Id of the Process being resumed |

#### Request JSON Sample

```
{
  "objectId": "1733828153618"
}
```

## 13.1.2 Response JSON Parameters

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

**Table 13-4 POST JSON Response**

| Name     | Type   | Description                                                                             |
|----------|--------|-----------------------------------------------------------------------------------------|
| objectID | STRING | Object Id of the Process being resumed                                                  |
| message  | STRING | It indicates the process message description<br>For example: Process is already running |
| status   | STRING | Status of the process execution<br>· Success: True<br>· Failed: False                   |

**Table 13-5 Possible Status Codes**

| Status Code     | Description                                                    |
|-----------------|----------------------------------------------------------------|
| 202             | Success. Process is resume                                     |
| 404             | Data not available                                             |
| 400             | Process is already completed, so the process cannot be resumed |
| 400 bad request | Object ID is not passed                                        |
| 500             | Error while fetching data                                      |
| 500             | Resume is not allowed for running process                      |
| 500             | Failed to resume the process. Please retry                     |

### Response JSON Sample

```
{
  "message": "Process is Resume",
  "status": true
}
```

## Rerun PMF Execution Process

This section provides information on how to Rerun a PMF Execution process. This API enables to rerun the triggered PMF execution for a given process Instance ID.

### 14.1 End Point Details

- **Method** – POST
- **REST Endpoint** - /pmf-exec/rest-api/v1/PMFService/rerunprocess
- **Content-Type** - Application/Json

**Table 14-1 Request Header Details**

| Name           | Type   | Required | Value            |
|----------------|--------|----------|------------------|
| ofs_service_id | String | Yes      | OFS_FSAFND       |
| Content-Type   | String | No       | application/json |

**Table 14-2 End Point Details**

| Name              | Type   | Required | Value                                                |
|-------------------|--------|----------|------------------------------------------------------|
| processInstanceId | String | Yes      | "1658311255081_fa6a579a-d2f2-4455-8be3-f8b35022ba7f" |

After the pipeline is executed, status indicates "true" or "false" based on the result of the execution.

#### 14.1.1 Request JSON Parameters

**Table 14-3 Request JSON Parameters**

| Name              | Type   | Required | Description                            |
|-------------------|--------|----------|----------------------------------------|
| processInstanceId | STRING | Yes      | Instance Id of the Process being Rerun |

#### Request JSON Sample

```
{
  "processInstanceId": "1661750871424_96680f3d-8fd6-4602-86e7-38bbcded6e60"
}
```

## 14.1.2 Response JSON Parameters

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

**Table 14-4 POST JSON Response**

| Name              | Type   | Description                                                                                                              |
|-------------------|--------|--------------------------------------------------------------------------------------------------------------------------|
| processInstanceId | STRING | Instance Id of the Process being Rerun                                                                                   |
| message           | STRING | It indicates the process message description<br>For example: Process has been run                                        |
| status            | STRING | Status of the process execution. <ul style="list-style-type: none"><li>• Success: True</li><li>• Failed: False</li></ul> |

**Table 14-5 Possible Status Codes**

| Status Code     | Description                                                                      |
|-----------------|----------------------------------------------------------------------------------|
| 200 ok          | Successful response (a new process instance id will be shared for rerun process) |
| 400 bad request | Process ID or Process Instance ID is not passed                                  |
| 500             | PMF execution service issue                                                      |
| 401             | Unauthorized request                                                             |
| 200             | Wrong Process Instance ID                                                        |

### Response JSON Sample

```
{
  "PROCESS_INSTANCE_ID": "1661750871424_7ab3f4a7-4eef-409e-
aa9c-6345bb9e4a4e",
  "message": "Process has been Rerun",
  "status": true
}
```

# Rerun PMF Execution Process Using Object ID

This section provides information on how to Rerun a PMF Execution process. This API enables to rerun the triggered PMF execution for a given object ID with the same run parameters .

## 15.1 End Point Details

- **Method** – POST
- **REST Endpoint** - /pmf-exec/rest-api/v2/PMFService/rerunprocess
- **Content-Type** - Application/Json

**Table 15-1 Request Header Details**

| Name           | Type   | Required | Value            |
|----------------|--------|----------|------------------|
| ofs_service_id | String | Yes      | OFS_FSAFND       |
| Content-Type   | String | No       | application/json |

**Table 15-2 End Point Details**

| Name        | Type   | Required | Example Value       |
|-------------|--------|----------|---------------------|
| objectId    | String | Yes      | "1733828153618"     |
| newObjectId | String | Yes      | 1733828153618-rerun |

### 15.1.1 Request JSON Parameters

**Table 15-3 Request JSON Parameters**

| Name        | Type   | Required | Description                              |
|-------------|--------|----------|------------------------------------------|
| objectId    | STRING | Yes      | Object Id of the Process being Rerun     |
| newObjectId | STRING | Yes      | New Object Id of the Process being Rerun |

#### Request JSON Sample

```
{
  "objectId": "1733828153618"
  "newObjectId": "1733828153618-rerun"
```

```
}
```

## 15.1.2 Response JSON Parameters

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

**Table 15-4 POST JSON Response**

| Name        | Type   | Description                                                                                                              |
|-------------|--------|--------------------------------------------------------------------------------------------------------------------------|
| objectID    | STRING | Object Id of the Process being Rerun                                                                                     |
| newObjectID | STRING | New Object Id of the Process being Rerun                                                                                 |
| message     | STRING | It indicates the process message description<br>For example: Process has been run                                        |
| status      | STRING | Status of the process execution. <ul style="list-style-type: none"><li>• Success: True</li><li>• Failed: False</li></ul> |

**Table 15-5 Possible Status Codes**

| Status Code     | Description                                                                      |
|-----------------|----------------------------------------------------------------------------------|
| 202 ok          | Successful response (a new process instance id will be shared for rerun process) |
| 400 bad request | Object ID is not passed                                                          |
| 400             | New object ID is not passed                                                      |
| 400             | If an Object ID has already been registered                                      |
| 404             | If data is not available                                                         |
| 500             | Error while fetching data                                                        |
| 500             | Failed to re-run the process. Please retry                                       |

### Response JSON Sample

```
{
  "processInstanceId": "1661750871424_7ab3f4a7-4eef-409e-
aa9c-6345bb9e4a4e",
  "message": "Process has been Rerun",
  "status": true
}
```

# 16

## Fetching the PMF Execution status

This section provides information on how to fetch a PMF Execution status. This API helps to fetch various execution statuses for a given PMF Process execution for a given process Instance ID. The statuses can contain one or more values such as COMPLETED/RUNNING/CANCELLED/FAILED.

### 16.1 End Point Details

- **Method** – POST
- **REST Endpoint** - /pmf-exec/rest-api/v1/PMFService/execute/status
- **Content-Type** - Application/Json

**Table 16-1 Request Header Details**

| Name           | Type   | Required | Value            |
|----------------|--------|----------|------------------|
| ofs_service_id | String | Yes      | OFS_FSAFND       |
| Content-Type   | String | No       | application/json |

**Table 16-2 End Point Details**

| Name              | Type   | Required | Value                                                |
|-------------------|--------|----------|------------------------------------------------------|
| processInstanceId | String | Yes      | "1658311255081_fa6a579a-d2f2-4455-8be3-f8b35022ba7f" |

After the pipeline is executed, status indicates "RUNNING", "FAILED", "CANCELLED" or "COMPLETED", based on the result of the execution.

#### 16.1.1 Request JSON Parameters

**Table 16-3 Request JSON Parameters**

| Name              | Type   | Required | Description                              |
|-------------------|--------|----------|------------------------------------------|
| processInstanceId | STRING | Yes      | Process Instance ID of the PMF Execution |

#### Request JSON Sample

```
{  
  "processInstanceIdList": [  

```

```
"1658311255081_fa6a579a-d2f2-4455-8be3-f8b35022ba7f",  
"1658313898588_cf0ed63a-8176-495b-ba15-633a33cf9d0c"  
]  
}
```

## 16.1.2 Response JSON Parameters

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

**Table 16-4 POST JSON Response**

| Name              | Type   | Description                              |
|-------------------|--------|------------------------------------------|
| processInstanceID | STRING | Process Instance ID of the PMF Execution |
| status            | STRING | Status of the PMF Execution              |

### Response JSON Sample

```
{  
  "processExecutionStatus": [  
    {  
      "process_instance_id": "1658311255081_fa6a579a-d2f2-4455-8be3-f8b35022ba7f",  
      "status": "RUNNING"  
    },  
    {  
      "process_instance_id": "1706599081911_2927df7b-6aa5-4b72-b7a2-d66b5dbe80c4",  
      "description": "Error Occurred while Processing. Please retry.",  
      "status": "FAILED"  
    }  
  ]  
}
```



# Fetching the PMF Execution Status Using Object ID

This section provides information on how to fetch a PMF Execution status. This API helps to fetch various execution statuses for a given PMF Process execution for a given object ID. The statuses can contain one or more values such as COMPLETED/RUNNING/CANCELLED/FAILED.

## 17.1 End Point Details

- **Method** – POST
- **REST Endpoint** - /pmf-exec/rest-api/v2/PMFService/execute/status
- **Content-Type** - Application/Json

**Table 17-1 Request Header Details**

| Name           | Type   | Required | Value            |
|----------------|--------|----------|------------------|
| ofs_service_id | String | Yes      | OFS_FSAFND       |
| Content-Type   | String | No       | application/json |

**Table 17-2 End Point Details**

| Name     | Type   | Required | Value           |
|----------|--------|----------|-----------------|
| objectId | String | Yes      | "1733828153618" |

After the pipeline is executed, status indicates "RUNNING", "FAILED", "CANCELLED" or "COMPLETED", based on the result of the execution.

### 17.1.1 Request JSON Parameters

**Table 17-3 Request JSON Parameters**

| Name     | Type   | Required | Description                    |
|----------|--------|----------|--------------------------------|
| objectId | STRING | Yes      | Object ID of the PMF Execution |

#### Request JSON Sample

```
{
  "objectIdList": [
    "1733828153618",
    "1733823192143",
    "1733823199934"
  ]
}
```

```
    ]
}
```

## 17.1.2 Response JSON Parameters

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

**Table 17-4 POST JSON Response**

| Name              | Type   | Description                              |
|-------------------|--------|------------------------------------------|
| processInstanceId | STRING | Process Instance ID of the PMF Execution |
| status            | STRING | Status of the PMF Execution              |
| description       | STRING | Description of the PMF execution         |
| runpurpose        | STRING | List of run purposes                     |
| objectId          | STRING | Object ID of the PMF execution           |

**Table 17-5 Possible Status Codes**

| Status Code | Description                        |
|-------------|------------------------------------|
| 200 ok      | If process execution is successful |
| 404         | If data is not available           |
| 500         | Error while fetching data          |

### Response JSON Sample

```
{
  "processExecutionStatus": [
    {
      "processInstanceId": "1733822357497_94bc2039-9a94-4906-ad97-
e2e5df1dd878",
      "status": "CANCELLED",
      "runPurpose": "{\"code\":\"afcs_admin\",\"name\":\"AFCS Admin
App\"}",
      "objectId": "1733828153618"
    },
    {
      "processInstanceId":
"1733822357497_0430745c-1ab2-4a1f-9b9f-776fb7e21d7c",
      "status": "RUNNING",
      "runPurpose": "{\"code\":\"other\",\"name\":\"Other\"}",
      "objectId": "test-exec-api-v2-processid"
    },
    {
      "processInstanceId": "1733822357497_488f9d1a-
a07d-4712-88ff-67d3f3fcb727",
      "status": "CANCELLED",
      "runPurpose": "{\"code\":\"other\",\"name\":\"Other\"}",
      "objectId": "rerun3"
    }
  ],
}
```

```
{
  "processInstanceId":
    "1733822357497_b3d7186b-9e81-42ed-9b32-6e411597aa88",
  "status": "CANCELLED",
  "runPurpose": "{\"code\":\"acs_reconciliation\",\"name\":\"ACS
Reconciliation (Transient)\"}",
  "objectId": "1733823192143"
},
{
  "processInstanceId": "1733822357497_94bf9e79-0cf7-4703-
b76c-890fd1febd48",
  "status": "RUNNING",
  "runPurpose":
    "{\"code\":\"fusion_erp_applications\",\"name\":\"Fusion ERP Applications\"}",
  "objectId": "1733823199934"
}
]
```

# 18

## Searching a File

This section provides information on how to perform an advance search of a file.

### 18.1 End Point Details

- Method – POST
- REST Endpoint - /dsa-ext/v1/fileopt/search-file
- Content-Type - Application/Json

The following table lists the Request Headers

**Table 18-1 Request Headers-Searching a File**

| Name         | Type   | Required | Value            |
|--------------|--------|----------|------------------|
| Content-Type | String | NO       | application/json |

#### 18.1.1 Request JSON Parameters

The following table lists the Request Body.

**Table 18-2 Request JSON Parameters - Searching a File**

| Name       | Type    | Required | Description                                                                                                                                                                                                                                                                                      |
|------------|---------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| OrdeByCode | INTEGER | No       | The files are sorted based on the inputs provided: <ul style="list-style-type: none"><li>• 1 - Sorts the file name from A to Z</li><li>• 2 - Sorts the file name from Z to A</li><li>• 3 - Displays the Recent First files</li><li>• 4 - Displays the Recent Last files</li></ul> For Example: 3 |
| offset     | INTEGER | No       | Specify a value that will skip the N first rows in a result set before starting to return any rows<br>For Example: 1                                                                                                                                                                             |
| fetchSize  | INTEGER | No       | Specify the number of files to be fetched in the result set.<br>For Example: 100                                                                                                                                                                                                                 |

**Table 18-2 (Cont.) Request JSON Parameters - Searching a File**

| Name        | Type    | Required | Description                                                                                                 |
|-------------|---------|----------|-------------------------------------------------------------------------------------------------------------|
| nameStr     | STRING  | No       | Specify the name of the file<br>For Example: CASA Statement                                                 |
| executionId | STRING  | No       | Specify the execution ID of the file                                                                        |
| processId   | STRING  | No       | Specify the process ID or Process Instance ID of the file                                                   |
| startDate   | STRING  | No       | Specify the start date of the file in the yyyy-MM-dd HH:mm:ss format<br>For Example:<br>2022-01-01 11:20:50 |
| endDate     | STRING  | No       | Specify the end date of the file in the yyyy-MM-dd HH:mm:ss format<br>For Example:<br>2022-09-13 06:39:42   |
| minFileSize | INTEGER | No       | Specify the minimum size of the file in bytes<br>For Example:200                                            |
| maxFileSize | INTEGER | No       | Specify the maximum size of the file in bytes<br>For Example:<br>8053063680                                 |

**Request JSON Sample**

```
{ "orderByCode": 3, "offset": 0, "fetchSize": 100, "nameStr":  
"test", "executionId": "141", "processId": "1661867637887", "startDate":  
"2022-01-01 00:00:00", "endDate": "2022-09-13 06:39:42", "minFileSize":  
0, "maxFileSize": 8053063680 }
```

## 18.1.2 Response JSON Parameters

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

The following table provides details for the query parameters returned in the response body.

**Table 18-3 POST JSON Response**

| Name | Type   | Description         |
|------|--------|---------------------|
| Id   | STRING | The file Identifier |
| name | STRING | The file name       |

**Table 18-3 (Cont.) POST JSON Response**

| Name           | Type   | Description                                                                                            |
|----------------|--------|--------------------------------------------------------------------------------------------------------|
| type           | STRING | The file type. The response is either 'text/plain' for TXT files or 'text/csv' for CSV files           |
| length         | STRING | The file size in bytes                                                                                 |
| status         | STRING | The status of the file. The response can be any of the following: INITIALIZED, UPLOADING, or AVAILABLE |
| createdDate    | STRING | The creation date of the file                                                                          |
| createdBy      | STRING | The user name who has created the file                                                                 |
| updatedAt      | STRING | The files that were updated on a specific date<br>For Example: 2022-08-30 17:37:16                     |
| procId         | STRING | The Process ID of the file                                                                             |
| executionId    | STRING | The Execution ID of the file                                                                           |
| procInstanceId | STRING | The Process Instance ID of the file                                                                    |
| updatedBy      | STRING | The user name who has updated the file                                                                 |

**Response JSON Sample**

```
{  
  
  "code": "DIH0000",  
  
  "body": [{  
  
    "id": "2",  
  
    "name": "extract_address_master.txt",  
  
    "type": "text/plain",  
  
    "length": "233",  
  
    "status": "AVAILABLE",  
  
    "createdDate": "2022-08-30 17:36:57",  
  
    "createdBy": "ADMIN",  
  
    "updatedAt": "2022-08-30 17:37:16",  
  
    "procId": "1661867637887",  
  
    "executionId": "141",  
  
  ]  
}
```

```
"procInstanceId": "1661867637887_74c5b9c3-9814-46e5-ba7e-1f48ce443bdb",  
"updatedBy": "filestore"  
}  
]  
}
```

# 19

## Fetching Running Instances for a PMF Process

This section provides information about fetching the running instances at a given point of time for given PMF processes.

### 19.1 End Point Details

- **Method** – POST
- **REST Endpoint** - /pmf-exec/rest-api/v1/PMFService/runningprocess
- **Content-Type** - Application/Json

**Table 19-1 Request Headers Details**

| Name           | Type   | Required | Value            |
|----------------|--------|----------|------------------|
| ofs_service_id | String | Yes      | OFS_FSAFND       |
| Content-Type   | String | Yes      | application/json |

#### 19.1.1 Request JSON Parameters

**Table 19-2 Request JSON Parameters**

| Name          | Type         | Required | Description             |
|---------------|--------------|----------|-------------------------|
| processIdList | List / Array | Yes      | List of PMF process IDs |

##### Request JSON Sample

```
{
  "processIdList": ["1674558863949","1674559835207","1676379514000"]
}
```

#### 19.1.2 Response JSON Parameters

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

**Table 19-3 POST JSON Response**

| Name              | Type   | Description                                                                |
|-------------------|--------|----------------------------------------------------------------------------|
| processInstanceId | STRING | Process Instance ID of the given PMF processes that are in running status. |



## Response JSON Sample

```
{
  "processExecutionDetails": {
    "1676379514000": [
      [
        "1676379514000_4a18d34c-e4dc-4e33-9f23-75c5ee393b37"
      ]
    ],
    "1674559835207": [
      [
        "1674559835207_a5313228-37ac-49b1-a7e2-5b5b8fb6fc35",
        "1674559835207_eec54012-543f-4570-89a1-1c2681ec9bd5"
      ]
    ]
  }
}
```

## Fetching the Process Execution Details

This section provides information on how to fetch a Process Execution details for a given process. This API helps to fetch various execution statuses for a given PMF Process execution for a given process Instance ID.

### 20.1 End Point Details

- **Method** – POST
- **REST Endpoint** - /pmf-exec/rest-api/v1/PMFService/processExecutionDetails
- **Content-Type** - Application/Json

**Table 20-1 Request Headers Details**

| Name           | Type   | Required | Value            |
|----------------|--------|----------|------------------|
| ofs_service_id | String | Yes      | OFS_FSAFND       |
| Content-Type   | String | Yes      | application/json |

#### 20.1.1 Request JSON Parameters

**Table 20-2 Request JSON Parameters**

| Name                  | Type         | Required | Description                                      |
|-----------------------|--------------|----------|--------------------------------------------------|
| processInstanceIdList | List / Array | Yes      | List of Process Instance ID of the PMF Execution |

##### Request JSON Sample

```
{
  "processInstanceIdList": ["PR_1675402120841_7676d87f-4149-49a6-8d1d-
e6749c92e7e
3" ,
"1863610075777_bc5a34f8-449a-4de2-beb8-6f53cc18b7d1",
"1675687537927_b02e5936-ba1c-4deb-9ceb-458aace3ccfc",
"1675832221284_0e86d104-a7c0-4986-8cf0-d67aa360b3ad"]
}'
```

#### 20.1.2 Response JSON Parameters

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

**Table 20-3 POST JSON Response**

| Name                 | Type     | Description                              |
|----------------------|----------|------------------------------------------|
| process_owner        | STRING   | Process owner of the PMF execution       |
| execution_start_time | DATETIME | Start time of the PMF execution          |
| mis_date             | DATE     | MISDATE of the PMF execution             |
| runskey              | STRING   | RUNSKEY of the PMF execution             |
| process_instance_id  | STRING   | Process Instance ID of the PMF Execution |
| execution_end_time   | DATETIME | End time of the PMF execution            |
| status               | STRING   | Status of the PMF Execution              |

**Response JSON Sample**

```
{
  "processExecutionDetails":
  [
    {
      "process_owner": "dummyuser",
      "execution_start_time": "2023-02-03 05:28:51",
      "mis_date": "20230203",
      "runskey": "8",
      "process_instance_id": "PR_1675402120841_7676d87f-4149-49a6-8d1d-e6749c92e7e3",
      "execution_end_time": "2023-02-03 05:33:56",
      "status": "FAILED"
    },
    {
      "process_owner": "SYSADMN",
      "execution_start_time": "2023-02-01 05:24:19",
      "mis_date": "20230201",
      "runskey": "1",
      "process_instance_id": "1863610075777_bc5a34f8-449a-4de2-beb8-6f53cc18b7d1",
      "execution_end_time": "2023-02-01 05:33:55",
      "status": "FAILED"
    },
    {
      "process_owner": "dummyuser",
      "execution_start_time": "2023-02-06 12:51:09",
      "mis_date": "20230206",
      "runskey": "10",
      "process_instance_id": "1675687537927_b02e5936-ba1c-4deb-9ceb-458aace3ccfc",
      "execution_end_time": "2023-02-06 12:58:43",
      "status": "COMPLETED"
    }
  ]
}
```

# 21

## Fetching the Process Execution Details Using Object ID

This section provides information on how to fetch a Process Execution details for a given process. This API helps to fetch various execution statuses for a given PMF Process execution for a given object ID.

### 21.1 End Point Details

- **Method** – POST
- **REST Endpoint** - /pmf-exec/rest-api/v2/PMFService/processExecutionDetails
- **Content-Type** - Application/Json

**Table 21-1 Request Headers Details**

| Name           | Type   | Required | Value            |
|----------------|--------|----------|------------------|
| ofs_service_id | String | Yes      | OFS_FSAFND       |
| Content-Type   | String | Yes      | application/json |

#### 21.1.1 Request JSON Parameters

**Table 21-2 Request JSON Parameters**

| Name         | Type   | Required | Description                             |
|--------------|--------|----------|-----------------------------------------|
| objectIdList | STRING | Yes      | List of Object IDs of the PMF Execution |

##### Request JSON Sample

```
{
  "objectIdList": [
    "1733828153618",
    "1733823192143",
    "1733823199934"
  ]
}
```

#### 21.1.2 Response JSON Parameters

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

**Table 21-3 POST JSON Response**

| Name                 | Type     | Description                              |
|----------------------|----------|------------------------------------------|
| process_owner        | STRING   | Process owner of the PMF execution       |
| execution_start_time | DATETIME | Start time of the PMF execution          |
| mis_date             | DATE     | MISDATE of the PMF execution             |
| runskey              | STRING   | RUNSKEY of the PMF execution             |
| process_instance_id  | STRING   | Process Instance ID of the PMF Execution |
| execution_end_time   | DATETIME | End time of the PMF execution            |
| status               | STRING   | Status of the PMF Execution              |
| description          | STRING   | Description of the PMF Execution         |
| objectId             | STRING   | Object ID of the PMF Execution           |

**Table 21-4 Possible Status Codes**

| Status Code | Description                |
|-------------|----------------------------|
| 200         | Success.                   |
| 404         | Data is not available.     |
| 500         | Error while fetching data. |

#### Response JSON Sample

```
{
  "processExecutionDetails": [
    {
      "processOwner": "aaiafcuser",
      "executionStartTime": "2024-12-10 10:12:00",
      "misDate": "20241210",
      "runSKey": "36",
      "processInstanceId": "1733822357497_94bc2039-9a94-4906-ad97-e2e5df1dd878",
      "executionEndTime": "2024-12-11 10:12:00",
      "status": "CANCELLED",
      "objectId": "1733828153618"
    },
    {
      "processOwner": "aaiafcuser",
      "executionStartTime": "2024-12-10 09:12:00",
      "misDate": "20241210",
      "runSKey": "37",
      "processInstanceId": "1733822357497_b3d7186b-9e81-42ed-9b32-6e411597aa88",
      "executionEndTime": "2024-12-10 09:12:00",
      "status": "CANCELLED",
      "objectId": "1733823192143"
    }
  ]
}
```

```
        "processOwner": "aaiafcuser",
        "executionStartTime": "2024-12-10 09:12:00",
        "misDate": "20241210",
        "runSKey": "35",
        "processInstanceId": "1733822357497_94bf9e79-0cf7-4703-
b76c-890fd1febd48",
        "status": "RUNNING",
        "objectId": "1733823199934"
    }
]
}
```

## Fetching the PMF Dashboard Process Status

This API helps fetch process instance status with start and end time for a given Process Instance ID. The statuses can contain one or more values such as ALL, COMPLETED, RUNNING, CANCELLED, FAILED.

### 22.1 End Point Details

- **Method** – POST
- **REST Endpoint** - /pmf-exec/rest-api/v1/DashboardService/process/status
- **Content-Type** - Application/Json

**Table 22-1 Request Header Details**

| Name           | Type   | Required | Value            |
|----------------|--------|----------|------------------|
| ofs_service_id | String | Yes      | OFS_FSAFND       |
| Content-Type   | String | No       | application/json |

#### 22.1.1 Request JSON Parameters

**Table 22-2 Request JSON Parameters**

| Name                  | Type   | Required | Description                                                                                 |
|-----------------------|--------|----------|---------------------------------------------------------------------------------------------|
| processInstanceIdList | STRING | Yes      | The unique value that identifies the process instance.                                      |
| filter-process_status | STRING | Yes      | Status of the PMF process. If the filter is not provided, PMF will fetch all the processes. |

#### Request JSON Sample

```
{
  "processInstanceIdList": [
    "1658311255081_fa6a579a-d2f2-4455-8be3-f8b35022ba7f",
    "1658313898588_cf0ed63a-8176-495b-ba15-633a33cf9d0c"
  ],
  "filter": {
    "process_status": "ALL / COMPLETED / RUNNING / CANCELLED / FAILED"
  }
}
```

## 22.1.2 Response JSON Parameters

This section provides the list of parameters in the JSON Response. Based on the process status provided, the responses will vary.

**Table 22-3 POST JSON Response**

| Name                | Type   | Description                                            |
|---------------------|--------|--------------------------------------------------------|
| process_instance_id | STRING | The unique value that identifies the process instance. |
| process_name        | STRING | Name of the PMF process.                               |
| status              | STRING | Status of the PMF process.                             |
| run_sk              | STRING | The unique number created for each instance.           |
| start_time          | STRING | Execution time of the PMF process.                     |
| end_time            | STRING | End time of the PMF process.                           |
| runParameterName    | STRING | The input parameters provided to execute this process. |
| fic_mis_date        | STRING | MIS Date of the PMF process.                           |
| datasource          | STRING | The data sources associated with the PMF process.      |

### Response JSON Sample

```
{
  "processExecutionStatus": [
    {
      "process_instance_id": "1669614669524_122ba2eb-cc1d-4abb-939e-
b0facb6a6ed2",
      "process_name": "BCE Execution",
      "process_id": "1669614669524",
      "status": "FAILED",
      "run_sk": "2321321",
      "start_time": "12-07-2023 12:00:01 PM",
      "end_time": "12-07-2023 12:56:01 PM",
      "runParameterName": ["As of Date", "Datasource", "Run Description"],
      "fic_mis_date": "07/12/2023",
      "datasource": ["Loans", "Options", "Futures"],

      "duration": "12:00:00 PM",

      "metric" :{
        "code": "volume",
        "value": "10000"
      }
    }
  ]
}
```



}

# 23

## Fetching the PMF Dashboard Process Status Using Object ID

This API helps fetch process instance status with start and end time for a given Object ID. The statuses can contain one or more values such as ALL, COMPLETED, RUNNING, CANCELLED, FAILED.

### 23.1 End Point Details

- **Method** – POST
- **REST Endpoint** - /pmf-exec/rest-api/v2/DashboardService/process/status
- **Content-Type** - Application/Json

**Table 23-1 Request Header Details**

| Name           | Type   | Required | Value            |
|----------------|--------|----------|------------------|
| ofs_service_id | String | Yes      | OFS_FSAFND       |
| Content-Type   | String | No       | application/json |

#### 23.1.1 Request JSON Parameters

**Table 23-2 Request JSON Parameters**

| Name                  | Type   | Required | Description                                                                                 |
|-----------------------|--------|----------|---------------------------------------------------------------------------------------------|
| objectIdList          | STRING | Yes      | The list of object IDs.                                                                     |
| filter-process_status | STRING | Yes      | Status of the PMF process. If the filter is not provided, PMF will fetch all the processes. |

#### Request JSON Sample

```
{
  "objectIdList": [
    "<Object Id 1>",
    "<Object Id 2>",
    "<Object Id 3>"
  ],
  "filter": {
    "process_status": "ALL / COMPLETED / RUNNING / CANCELLED / FAILED"
  }
}
```

## 23.1.2 Response JSON Parameters

This section provides the list of parameters in the JSON Response. Based on the process status provided, the responses will vary.

**Table 23-3 POST JSON Response**

| Name                | Type   | Description                                                                  |
|---------------------|--------|------------------------------------------------------------------------------|
| process_instance_id | STRING | The unique value that identifies the process instance.                       |
| process_id          | STRING | The unique value that identifies the process                                 |
| process_name        | STRING | Name of the PMF process.                                                     |
| object_id           | STRING | The unique value that identifies the process execution instance.             |
| status              | STRING | Status of the PMF process.                                                   |
| run_sk              | STRING | The unique number created for each instance.                                 |
| start_time          | STRING | Execution time of the PMF process.                                           |
| end_time            | STRING | End time of the PMF process.                                                 |
| duration            | STRING | The duration of the PMF execution.                                           |
| runParameterName    | STRING | The input parameters provided to execute this process.                       |
| run_purpose         | STRING | It is an attribute, Tag or Label that is attached to a Run during execution. |
| process_code        | STRING | The unique code value for a process.                                         |

**Table 23-4 Possible Status Codes**

| Status Code | Description                                    |
|-------------|------------------------------------------------|
| 200         | Successfully executed.                         |
| 400         | Object ID is not passed.                       |
| 400         | Filter conditions are not specified correctly. |
| 404         | No matching object Id found.                   |
| 500         | Error while getting process status.            |

### Response JSON Sample

```
{
  "processExecutionStatusResponse": [
    {
      "processInstanceId": "1863610075777_da086afc-8068-4994-a397-8289d0e6a2a0",
      "processId": "1863610075777",
      "processName": "Reconciliation Run",
      "objectId": "1717586932739",
```

```
    "runSKey": "48",
    "startTime": "06-05-2024 11:28:52 AM",
    "endTime": "06-05-2024 11:29:10 AM",
    "duration": "00:00:18",
    "status": "FAILED",
    "runParameterNames": [
      "Execution on Threshold Breach",
      "Auto Approval",
      "Run Execution Description",
      "Reconciliation Definition",
      "RUN PURPOSE",
      "ExchangeRate Version",
      "Global Threshold",
      "Reconciliation Type"
    ],
    "runPurpose": "{\"code\" : \"cd2\", \"name\" : \"value2\"}",
    "processCode": "1863610075777"
  }
}
```

## Fetching the PMF Dashboard Activities

This API helps fetch all the activities with start time, end time, and status of a process instance for one or multiple Process Instance IDs. The statuses can contain one or more values such as ALL, COMPLETED, RUNNING, CANCELLED, or FAILED.

### 24.1 End Point Details

- **Method** – POST
- **REST Endpoint** - /pmf-exec/rest-api/v1/DashboardService/activity/status
- **Content-Type** - Application/Json

**Table 24-1 Request Header Details**

| Name           | Type   | Required | Value            |
|----------------|--------|----------|------------------|
| ofs_service_id | String | Yes      | OFS_FSAFND       |
| Content-Type   | String | No       | application/json |

#### 24.1.1 Request JSON Parameters

**Table 24-2 Request JSON Parameters**

| Name                   | Type   | Required | Description                                                                        |
|------------------------|--------|----------|------------------------------------------------------------------------------------|
| processInstanceIdList  | STRING | Yes      | The unique value that identifies the process instance.                             |
| filter-activity status | STRING | Yes      | Status of the Activity. If filter is not provided, all activities will be fetched. |

#### Request JSON Sample

```
{
  "processInstanceIdList": [
    "1658311255081_fa6a579a-d2f2-4455-8be3-f8b35022ba7f",
    "1658313898588_cf0ed63a-8176-495b-ba15-633a33cf9d0c"
  ],
  "filter": {
    "activity_status": "ALL / COMPLETED / RUNNING / CANCELLED / FAILED"
  }
}
```

## 24.1.2 Response JSON Parameters

This section provides the list of parameters in the JSON Response. Based on the activity status provided, the responses will vary.

**Table 24-3 POST JSON Response**

| Name                | Type   | Description                                            |
|---------------------|--------|--------------------------------------------------------|
| process_instance_id | STRING | The unique value that identifies the process instance. |
| activity_id         | STRING | The unique ID of the activity.                         |
| activity_name       | STRING | Name of the activity.                                  |
| status              | STRING | Status of the activity.                                |
| Component           | STRING | Name of the component.                                 |
| latest_event        | STRING | The latest event of the activity.                      |
| start_time          | STRING | Start time of the activity.                            |
| end_time            | STRING | End time of the activity.                              |

### Response JSON Sample

```
{
  "activityExecutionStatus": [
    {
      "process_instance_id": "1669614669524_122ba2eb-cc1d-4abb-939e-
b0facb6a6ed2",
      "activity_list": [
        {
          "activity_id": "JOB122321434234",
          "activity_name": "DQ JOB1",
          "status": "FAILED",
          "component": "DQGROUP",
          "latest_event": "DQNULLGRPDUP01 is failed",
          "start_time": "12-07-2023 12:00:01 PM",
          "end_time": "12-07-2023 12:56:01 PM",

          "duration": "",

          "metric" :{

            "name":"volume",

            "value":"10000"

          }

        },
        {
          "activity_id": "JOB12232146456",
```

```
        "activity_name": "bce run",  
        "status": "RUNNING",  
        "component": "BCE",  
        "latest_event": "DQNULLGRPDUP01 is running",  
        "start_time": "12-07-2023 12:00:01 PM",  
        "end_time": "",  
  
        "duration":""  
    }  
]  
}
```

# Fetching the PMF Dashboard Activities Using Object ID

This API helps fetch all the activities with start time, end time, and status of a process instance for one or multiple Object IDs. The statuses can contain one or more values such as ALL, COMPLETED, RUNNING, CANCELLED, or FAILED.

## 25.1 End Point Details

- **Method** – POST
- **REST Endpoint** - /pmf-exec/rest-api/v2/DashboardService/activity/status
- **Content-Type** - Application/Json

**Table 25-1 Request Header Details**

| Name           | Type   | Required | Value            |
|----------------|--------|----------|------------------|
| ofs_service_id | String | Yes      | OFS_FSAFND       |
| Content-Type   | String | No       | application/json |

### 25.1.1 Request JSON Parameters

**Table 25-2 Request JSON Parameters**

| Name                      | Type   | Required | Description                                                                        |
|---------------------------|--------|----------|------------------------------------------------------------------------------------|
| objectIdList              | STRING | Yes      | The list of object IDs.                                                            |
| filter-activity<br>status | STRING | Yes      | Status of the Activity. If filter is not provided, all activities will be fetched. |

#### Request JSON Sample

```
{
  "objectIdList": [
    "<Object Id 1>"
  ],
  "filter": {
    "activity_status": "ALL / COMPLETED / RUNNING / CANCELLED / FAILED"
  }
}
```



## 25.1.2 Response JSON Parameters

This section provides the list of parameters in the JSON Response. Based on the activity status provided, the responses will vary.

**Table 25-3 POST JSON Response**

| Name                | Type   | Description                                            |
|---------------------|--------|--------------------------------------------------------|
| process_instance_id | STRING | The unique value that identifies the process instance. |
| object_id           | STRING | The unique value that identifies the PMF execution.    |
| activity_list       | STRING | The list of activities.                                |
| activity_id         | STRING | The unique ID of the activity.                         |
| activity_name       | STRING | Name of the activity.                                  |
| status              | STRING | Status of the activity.                                |
| Component           | STRING | Name of the component.                                 |
| latest_event        | STRING | The latest event of the activity.                      |
| start_time          | STRING | Start time of the activity.                            |
| end_time            | STRING | End time of the activity.                              |
| duration            | STRING | The duration of the activity execution.                |
| metric              | STRING | It contains code and value details.                    |

**Table 25-4 Possible Status Codes**

| Status Code | Description                                    |
|-------------|------------------------------------------------|
| 400         | Object ID is not passed.                       |
| 400         | Filter conditions are not specified correctly. |
| 404         | No matching object Id found.                   |
| 500         | Error while getting activity status.           |

### Response JSON Sample

```
{
  "activityExecutionStatus": [
    {
      "process_instance_id":
"1724048324545_263b2e87-4c2e-4d45-9799-95835d48b922",
      "objectId": "Object Id 1",
      "activity_list": [
        {
          "activity_id": "JOB_17240483263401",
          "activity_name": "SCD",
          "status": "COMPLETED",
          "component": "SCD",
          "latest_event": "SCD Execution Request In Progress",
          "start_time": "08-19-2024 06:31:14 AM",
```

```
"end_time": "08-19-2024 06:31:24 AM",
"duration": "00:00:09",

"metric" :{

    "name": "volume",

    "value": "0"

}
}
]
},
{
    "processInstanceID": "1724048324545_7a70ab65-47cb-49ef-
ba40-13d92cbc2486",
    "objectId": "30020",
    "activityList": [
        {
            "activity_id":
"JOB_1724048326340117240492121181724049249872",
            "activity_name": "SCD",
            "status": "COMPLETED",
            "component": "SCD",
            "latest_event": "SCD Execution Request Received",
            "start_time": "08-19-2024 10:08:49 AM",
            "end_time": "08-19-2024 10:12:52 AM",
            "duration": "00:04:02"
            "metric": {
                "code": "VOLUME",
                "value": "0"
            }
        }
    ]
}
]
```

# 26

## Fetching all the Events of an Activity

This API helps fetch all the events of an activity.

### 26.1 End Point Details

- **Method** – POST
- **REST Endpoint** - /pmf-exec/rest-api/v1/DashboardService/activity/events
- **Content-Type** - Application/Json

**Table 26-1 Request Header Details**

| Name           | Type   | Required | Value            |
|----------------|--------|----------|------------------|
| ofs_service_id | String | Yes      | OFS_FSAFND       |
| Content-Type   | String | No       | application/json |

#### 26.1.1 Request JSON Parameters

**Table 26-2 Request JSON Parameters**

| Name                | Type   | Required | Description                                            |
|---------------------|--------|----------|--------------------------------------------------------|
| process_instance_id | STRING | Yes      | The unique value that identifies the process instance. |
| activity_id         | STRING | Yes      | The unique ID of the activity.                         |

#### Request JSON Sample

```
{
  "activityEventStatusRequest": [
    {
      "process_instance_id": "1658311255081_fa6a579a-d2f2-4455-8be3-f8b35022ba7f",
      "activity_id": "JOB122321434234"
    },
    {
      "process_instance_id": "1658313898588_cf0ed63a-8176-495b-ba15-633a33cf9d0c",
      "activity_id": "JOB122327648732648"
    }
  ]
}
```

## 26.1.2 Response JSON Parameters

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

**Table 26-3 POST JSON Response**

| Name                    | Type   | Description                                            |
|-------------------------|--------|--------------------------------------------------------|
| process_instance_id     | STRING | The unique value that identifies the process instance. |
| activity_id             | STRING | The unique ID of the activity.                         |
| event_error_code        | STRING | Error code for the event.                              |
| event_message           | STRING | Message for the event.                                 |
| event_error_description | STRING | Error description.                                     |
| time_stamp              | STRING | The execution time of the event.                       |
| event_name              | STRING | The unique name of the event.                          |
| value                   | STRING | The value provided to the event.                       |

### Response JSON Sample

```
{
  "activityEventList": [
    {
      "process_instance_id": "1658311255081_fa6a579a-d2f2-4455-8be3-f8b35022ba7f",
      "activity_events":
        {
          "activity_id": "JOB122321434234",
          "event_error_code": "INVALID_DQ_GRP",
          "event_message": "message",

          "event_error_description": "This dq group is invalid",
          "event_parameters": [
            {
              "timestamp": "12-07-2023 12:00:01 PM",
              "event_name": "Rules Completed",
              "value": "1/2"
            },
            {
              "timestamp": "12-07-2023 12:05:01 PM",
              "event_name": "Rules Running",
              "value": "2"
            }
          ]
        }
    ]
  }
}
```

# 27

## Fetching all the Events of an Activity Using Object ID

This API helps fetch all the events of an activity using an object ID.

### 27.1 End Point Details

- **Method** – POST
- **REST Endpoint** - /pmf-exec/rest-api/v2/DashboardService/activity/events
- **Content-Type** - Application/Json

**Table 27-1 Request Header Details**

| Name           | Type   | Required | Value            |
|----------------|--------|----------|------------------|
| ofs_service_id | String | Yes      | OFS_FSAFND       |
| Content-Type   | String | No       | application/json |

#### 27.1.1 Request JSON Parameters

**Table 27-2 Request JSON Parameters**

| Name        | Type   | Required | Description                                         |
|-------------|--------|----------|-----------------------------------------------------|
| object_id   | STRING | Yes      | The unique value that identifies the PMF execution. |
| activity_id | STRING | Yes      | The unique ID of the activity.                      |

#### Request JSON Sample

```
{
  "activityEventStatusRequest": [
    {
      "objectId": "1716987996892",
      "activityId": "JOB_171585855928213"
    }
  ]
}
```

#### 27.1.2 Response JSON Parameters

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

**Table 27-3 POST JSON Response**

| Name                | Type   | Description                                                 |
|---------------------|--------|-------------------------------------------------------------|
| process_instance_id | STRING | The unique value that identifies the process instance.      |
| object_id           | STRING | The unique value that identifies the PMF execution.         |
| activity_id         | STRING | The unique ID of the activity.                              |
| event_params        | STRING | Parameters of the event.                                    |
| event_message       | STRING | Message for the event.                                      |
| activity_event      | STRING | The details of the event.                                   |
| activity_event_list | STRING | The list of events for the given object ID and activity ID. |
| time_stamp          | STRING | The execution time of the event.                            |
| event_name          | STRING | The unique name of the event.                               |
| value               | STRING | The value provided to the event.                            |

**Table 27-4 Possible Status Codes**

| Status Code | Description                          |
|-------------|--------------------------------------|
| 400         | Incorrect request body provided.     |
| 404         | Could not find any such Activity.    |
| 500         | Error while getting activity events. |

**Response JSON Sample**

```
{
  "activityEventList": [
    {
      "objectId": "1716987996892",
      "processInstanceId":
"1715858557717_0daadelf-1a8a-4953-8767-9829efecaa63",
      "activityEvents": {
        "activityId": "JOB_171585855928213",
        "timestamp": "05-29-2024 01:07:01 PM",
        "eventMessage": "STG_ACCOUNTING_ENTRIES completed",
        "eventParams": [
          {
            "eventName": "DQ_GROUP",
            "value": "STG_ACCOUNTING_ENTRIES"
          },
          {
            "eventName": "RULE_COMPLETED",
            "value": "74/74"
          },
          {
            "eventName": "RULE_PENDING",
            "value": "0"
          },
          {
            "eventName": "RULE_RUNNING",
```

```
        "value": "0"
      },
      {
        "eventName": "ERRONEOUS_RECORDS",
        "value": "0"
      }
    ]
  },
  {
    "objectId": "1716987996892",
    "processInstanceId":
"1715858557717_0daadelf-1a8a-4953-8767-9829efecaa63",
    "activityEvents": {
      "activityId": "JOB_171585855928213",
      "timestamp": "05-29-2024 01:07:01 PM",
      "eventMessage": "DQREF39212 completed Run",
      "eventParams": [
        {
          "eventName": "DQ_GROUP",
          "value": "STG_ACCOUNTING_ENTRIES"
        },
        {
          "eventName": "RULE_COMPLETED",
          "value": "74/74"
        },
        {
          "eventName": "RULE_RUNNING",
          "value": "0"
        },
        {
          "eventName": "RULE_PENDING",
          "value": "0"
        },
        {
          "eventName": "ERRONEOUS_RECORDS",
          "value": "0"
        }
      ]
    }
  }
]
```

# 28

## Fetching all the PMF Dashboard Events

This API fetches all the process/activity events based on the Process Instance ID.

### 28.1 End Point Details

- **Method** – POST
- **REST Endpoint** - pmf-exec/rest-api/v1/DashboardService/process/instancedetails
- **Content-Type** - Application/Json

**Table 28-1 Request Header Details**

| Name           | Type   | Required | Value            |
|----------------|--------|----------|------------------|
| ofs_service_id | String | Yes      | OFS_FSAFND       |
| Content-Type   | String | No       | application/json |

#### 28.1.1 Request JSON Parameters

**Table 28-2 Request JSON Parameters**

| Name                  | Type   | Required | Description                                            |
|-----------------------|--------|----------|--------------------------------------------------------|
| processInstanceIdList | STRING | Yes      | The unique value that identifies the process instance. |

#### Request JSON Sample

```
{
  "processInstanceIdList": [
    "AFCS_SYS_SCD_PROC_34327e31-20c8-31c5-1784-56e37f4409aa",
    "1697535489556_f66cf577-67f6-4307-9aad-450afcf18d13"
  ]
}
```

#### 28.1.2 Response JSON Parameters

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

**Table 28-3 POST JSON Response**

| Name   | Type   | Description                                  |
|--------|--------|----------------------------------------------|
| run_sk | STRING | The unique number created for each instance. |



**Table 28-3 (Cont.) POST JSON Response**

| Name                | Type   | Description                                            |
|---------------------|--------|--------------------------------------------------------|
| duration            | STRING | The duration of the process/activity.                  |
| process_instance_id | STRING | The unique value that identifies the process instance. |
| activity_id         | STRING | The unique ID of the activity.                         |
| datasource          | STRING | The data sources associated with the PMF process.      |
| activity_name       | STRING | Name of the activity.                                  |
| status              | STRING | Status of the process/activity.                        |
| Component           | STRING | Name of the component.                                 |
| latest_event        | STRING | The latest event of the activity.                      |
| start_time          | STRING | Start time of the process/activity.                    |
| end_time            | STRING | End time of the process/activity.                      |
| metrics             | STRING | Contains Code and Value of the activity                |

**Response JSON Sample**

```
{
  "processExecutionStatus": [
    {
      "run_sk": "32",
      "duration": "02:30:00",
      "process_id": "AFCS_SYS_SCD_PROC",
      "start_time": "09-10-2023 08:00:00 AM",
      "process_name": "Dimension Population Process",
      "datasource": [
        "Loans"
      ],
      "activity_info": [
        {
          "duration": "00:30:00",
          "activity_name": "Business Segment Hierarchy Population",
          "start_time": "09-10-2023 10:00:00 AM",
          "component": "CONNECTOR",
          "metric": {
            "code": "Processed Records",
            "value": "12500(Records)"
          },
          "activity_id": "JOB_CONNECTOR_2",
          "end_time": "09-10-2023 10:30:00 AM",
          "latest_event": "Processing",
          "status": "COMPLETED"
        },
        {
          "duration": "00:30:00",
          "activity_name": "Branch Hierarchy Population",
          "start_time": "09-10-2023 09:30:00 AM",
```

```

        "component": "CONNECTOR",
        "metric": {
            "code": "Processed Records",
            "value": "12500 (Records) "
        },
        "activity_id": "JOB_CONNECTOR_1",
        "end_time": "09-10-2023 10:00:00 AM",
        "latest_event": "Processing",
        "status": "COMPLETED"
    },
    {
        "duration": "00:30:00",
        "activity_name": "Account Hierarchy Population",
        "start_time": "09-10-2023 09:00:00 AM",
        "component": "CONNECTOR",
        "metric": {
            "code": "Processed Records",
            "value": "12500 (Records) "
        },
        "activity_id": "JOB_CONNECTOR_0",
        "end_time": "09-10-2023 09:30:00 AM",
        "latest_event": "Processing",
        "status": "COMPLETED"
    },
    {
        "duration": "01:00:00",
        "activity_name": "Business Unit Hierarchy Population",
        "start_time": "09-10-2023 08:00:00 AM",
        "component": "CONNECTOR",
        "metric": {
            "code": "Processed Records",
            "value": "12500 (Records) "
        },
        "activity_id": "JOB_CONNECTOR_3",
        "end_time": "09-10-2023 09:00:00 AM",
        "latest_event": "Processing",
        "status": "COMPLETED"
    }
],
    "process_instance_id":
    "AFCS_SYS_SCD_PROC_34327e31-20c8-31c5-1784-56e37f4409aa",
    "As of Date": "07/27/2023",
    "end_time": "09-10-2023 10:30:00 AM",
    "runParameterName": [
        "As of Date",
        "Data Source"
    ],
    "status": "COMPLETED"
},
{
    "run_sk": "40",
    "duration": "00:01:18",
    "process_id": "1697535489556",
    "start_time": "10-17-2023 09:41:15 AM",
    "process_name": "test_dummy12",
    "activity_info": [

```

```
{
  "duration": "00:01:14",
  "activity_name": "RUN DQ RULE",
  "start_time": "10-17-2023 09:41:19 AM",
  "component": "DQGROUPS",
  "event_info": [
    {
      "activity_id": "JOB_CONNECTOR_1",
      "timestamp": "10-17-2023 09:42:22 AM",
      "Event Message": "message received is invalid",
      "Event Error Code": "INVALID_INPUT_MSG",
      "event_parameters": [
        {
          "event_name": "Rule Running",
          "value": "0"
        },
        {
          "event_name": "DQ Group",
          "value": "~~DQDC.DQ_GRP_NAME~~"
        },
        {
          "event_name": "Rule Completed",
          "value": "0/0"
        },
        {
          "event_name": "Erroneous Records",
          "value": "0"
        },
        {
          "event_name": "Rule Pending",
          "value": "0"
        }
      ]
    }
  ],
  "metric": {},
  "activity_id": "JOB_169753549288714",
  "end_time": "10-17-2023 09:42:33 AM",
  "latest_event": "message received is invalid",
  "status": "FAILED"
},
{
  "process_instance_id":
  "1697535489556_f66cf577-67f6-4307-9aad-450afcf18d13",
  "end_time": "10-17-2023 09:42:33 AM",
  "status": "FAILED"
}
]
```

# Fetching all the PMF Dashboard Events Using Object ID

This API fetches all the process/activity events based on the object ID.

## 29.1 End Point Details

- **Method** – POST
- **REST Endpoint** - pmf-exec/rest-api/v2/DashboardService/process/instancedetails
- **Content-Type** - Application/Json

**Table 29-1 Request Header Details**

| Name           | Type   | Required | Value            |
|----------------|--------|----------|------------------|
| ofs_service_id | String | Yes      | OFS_FSAFND       |
| Content-Type   | String | No       | application/json |

### 29.1.1 Request JSON Parameters

**Table 29-2 Request JSON Parameters**

| Name         | Type   | Required | Description             |
|--------------|--------|----------|-------------------------|
| objectIdList | STRING | Yes      | The list of object IDs. |

#### Request JSON Sample

```
{
  "objectIdList": [
    "AFCS_SYS_SCD_PROC_34327e31-20c8-31c5-1784-56e37f4409aa",
    "1697535489556_f66cf577-67f6-4307-9aad-450afcf18d13"
  ]
}
```

### 29.1.2 Response JSON Parameters

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

**Table 29-3 POST JSON Response**

| Name                | Type   | Description                                            |
|---------------------|--------|--------------------------------------------------------|
| run_sk              | STRING | The unique number created for each instance.           |
| duration            | STRING | The duration of the process/activity.                  |
| process_instance_id | STRING | The unique value that identifies the process instance. |
| activity_id         | STRING | The unique ID of the activity.                         |
| process_code        | STRING | The process code of the run pipeline.                  |
| datasource          | STRING | The data sources associated with the PMF process.      |
| activity_name       | STRING | Name of the activity.                                  |
| status              | STRING | Status of the process/activity.                        |
| Component           | STRING | Name of the component.                                 |
| latest_event        | STRING | The latest event of the activity.                      |
| start_time          | STRING | Start time of the process/activity.                    |
| end_time            | STRING | End time of the process/activity.                      |
| metrics             | STRING | Contains Code and Value of the activity                |
| object_id           | STRING | Object ID of the PMF Execution.                        |

**Table 29-4 Possible Status Codes**

| Status Code | Description                                    |
|-------------|------------------------------------------------|
| 400         | Object ID is not passed.                       |
| 200         | Success.                                       |
| 404         | No matching object Id found.                   |
| 500         | Error while fetching Process Instance details. |

**Response JSON Sample**

```
{
  "processExecutionStatusList": [
    {
      "datasource": [
        "Loans"
      ],
      "runParameterName": [
        "As of Date",
        "Data Source"
      ],
      "asOfDate": "07/27/2023",
      "processInstanceId":
"1722407619433_fca5bea3-7b14-4677-9ff6-442665d49c74",
      "processId": "1722407619433",

```

```
"processName": "test_fail_case",
"objectId": "1722931375466",
"runSKey": "49",
"startTime": "08-06-2024 08:02:55 AM",
"endTime": "08-06-2024 08:06:41 AM",
"duration": "00:03:46",
"processCode": "1722407619433",
"activityInfo": [
  {
    "activityId": "JOB_1722418849581",
    "activity_name": "RUN DQ RULE",
    "status": "COMPLETED",
    "component": "DQGROUPS",
    "latestEvent": "DQLOV31801 completed Run",
    "startTime": "08-06-2024 08:06:10 AM",
    "endTime": "08-06-2024 08:06:41 AM",
    "duration": "00:00:30",
    "metric":{
      "code":"volume",
      "value":"10000"
    },
    "eventInfo": [
      {
        "activityId": "JOB_CONNECTOR_1",
        "timestamp": "10-17-2023 09:42:22 AM",
        "eventMessage": "message received is invalid",
        "eventErrorCode": "INVALID_INPUT_MSG",
        "eventParameters": [
          {
            "eventName": "Rule Running",
            "value": "0"
          },
          {
            "eventName": "DQ Group",
            "value": "~~DQDC.DQ_GRP_NAME~~"
          },
          {
            "eventName": "Rule Completed",
            "value": "0/0"
          },
          {
            "eventName": "Erroneous Records",
            "value": "0"
          },
          {
            "eventName": "Rule Pending",
            "value": "0"
          }
        ]
      }
    ]
  }
]
```

}

## Fetching the PMF Dashboard Status Report

This API helps fetch all the activities with start time, end time, latest event and status of a process instance for one or multiple Process Instance IDs. The statuses can contain one or more values such as ALL, COMPLETED, RUNNING, CANCELLED, or FAILED.

### 30.1 End Point Details

- **Method** – POST
- **REST Endpoint** - /pmf-exec/rest-api/v2/DashboardService/statusReport

**Table 30-1 Request Header Details**

| Name           | Type   | Required | Value            |
|----------------|--------|----------|------------------|
| ofs_service_id | String | Yes      | OFS_FSAFND       |
| Content-Type   | String | Yes      | application/json |
| locale         | String | Yes      | en-US            |

#### 30.1.1 Request JSON Parameters

**Table 30-2 Request JSON Parameters**

| Name                  | Type   | Required | Description                                            |
|-----------------------|--------|----------|--------------------------------------------------------|
| processInstanceIdList | STRING | Yes      | The unique value that identifies the process instance. |
| objectIdList          | STRING | Yes      | The unique value that identifies the object instance.  |



**Note:**

Either Process Instance ID or an Object ID can be provided in the request JSON.

**Request JSON Sample**

```
{
  "processInstanceIdList": [
    "1739776513863_4e8b7876-f0d9-4ec2-8505-d694fa8ec677",
    "1739776513863_90a0d89d-b262-4a60-9512-55c988b92fc8",
    "1739776045334_12050a74-4add-4489-b7b3-8d13b5915632",
    "1739776513863_2d41c6a6-9fcf-424b-b734-43cb6b65c9e9"
  ],
}
```



```

    "objectIdList": [
        "1722408089928",
        "LOAN_PROCESS_EXEC"
    ]
}

```

## 30.1.2 Response JSON Parameters

This section provides the list of parameters in the JSON Response. Based on the activity status provided, the responses will vary.

**Table 30-3 POST JSON Response**

| Name              | Type    | Description                                            |
|-------------------|---------|--------------------------------------------------------|
| processId         | STRING  | The unique value of a process.                         |
| processCode       | STRING  | The unique code value for a process.                   |
| processInstanceId | STRING  | The unique value that identifies the process instance. |
| processName       | STRING  | The name of the process.                               |
| objectId          | STRING  | The unique value that identifies the PMF execution.    |
| runSk             | INTEGER | Runskey of the PMF process execution.                  |
| status            | STRING  | Status of the process.                                 |
| Component         | STRING  | Name of the component.                                 |
| startTime         | STRING  | Start time of the process.                             |
| endTime           | STRING  | End time of the process.                               |
| duration          | STRING  | The duration of the process execution.                 |
| metric            | STRING  | It contains code and value details.                    |

**Table 30-4 Activity Info in Response**

| Name         | Type   | Description                                 |
|--------------|--------|---------------------------------------------|
| activityId   | STRING | The unique ID of the activity.              |
| activityName | STRING | Name of the activity.                       |
| status       | STRING | Status of the activity.                     |
| Component    | STRING | Name of the component.                      |
| latestEvent  | STRING | The latest event of the activity.           |
| code         | STRING | The code of the run.                        |
| description  | STRING | The description of the run in the activity. |
| startTime    | STRING | Start time of the activity.                 |
| endTime      | STRING | End time of the activity.                   |
| duration     | STRING | The duration of the activity execution.     |
| eventTime    | STRING | The time of the event occurrence.           |

**Table 30-5 Possible Status Codes**

| Status Code | Description                                                      |
|-------------|------------------------------------------------------------------|
| 200         | Success                                                          |
| 400         | Either Process Instance ID list or Object ID list is not passed. |
| 400         | Locale header is missing.                                        |
| 404         | No matching object Id found.                                     |
| 500         | Error while getting activity status.                             |

**Response JSON Sample**

```
{
  "processExecutionStatus": [
    {
      "processId": "1738309500653",
      "processCode": "1738309500653",
      "processInstanceId": "1738309500653_ece5cdb7-285f-4c3f-94d3-
b7c05842f385",
      "processName": "ERROR_CODE_CHANGES",
      "objectId": "ERRO_CODE_2",
      "startTime": "2025-01-31 07:57:34",
      "endTime": "2025-01-31 07:57:48",
      "runSk": "833",
      "duration": "00:00:14",
      "status": "FAILED",
      "activityInfo": [
        {
          "activityId": "JOB_1738309530205",
          "activityName": "JOB_1738309530205",
          "status": "COMPLETED",
          "component": "DQGROUPS",
          "latestEvent": {
            "code": "DQSPLCH35396 completed Run",
            "description": "DQSPLCH35396 completed Run",
            "eventTime": "2025-01-31 07:57:47"
          },
          "startTime": "2025-01-31 07:57:35",
          "endTime": "2025-01-31 07:57:48",
          "duration": "00:00:13",
          "metric": {}
        },
        {
          "activityId": "JOB_1738309550043",
          "activityName": "JOB_1738309550043",
          "status": "FAILED",
          "component": "HIERARCHYRESAVE",
          "latestEvent": {
            "code": "HCY_RESERVE_RUNNING",
            "description": "HCY_RESERVE_RUNNING",
            "eventTime": "2025-01-31 07:57:42"
          },
          "startTime": "2025-01-31 07:57:35",
          "endTime": "2025-01-31 07:57:48",
          "duration": "00:00:13",
          "metric": {}
        }
      ]
    }
  ]
}
```

```
        "startTime": "2025-01-31 07:57:35",
        "endTime": "2025-01-31 07:57:45",
        "duration": "00:00:10",
        "metric": {
            "code": "Hierarchy Total Count",
            "value": "1"
        }
    },
    {
        "activityId": "JOB_1738309590230",
        "activityName": "JOB_1738309590230",
        "status": "FAILED",
        "component": "DT",
        "latestEvent": {
            "code": "DT_MSG_002",
            "description": "DT_MSG_002",
            "eventTime": "2025-01-31 07:57:40",
            "category": "INFO"
        },
        "startTime": "2025-01-31 07:57:35",
        "endTime": "2025-01-31 07:57:42",
        "duration": "00:00:06",
        "metric": {}
    },
    {
        "activityId": "JOB_1738309560951",
        "activityName": "JOB_1738309560951",
        "status": "FAILED",
        "component": "DATA_SERVICE",
        "startTime": "2025-01-31 07:57:35",
        "endTime": "2025-01-31 07:57:41",
        "duration": "00:00:06",
        "metric": {}
    },
    {
        "activityId": "JOB_1738309540408",
        "activityName": "JOB_1738309540408",
        "status": "FAILED",
        "component": "SCD",
        "latestEvent": {
            "code": "SCD_MSG_001",
            "description": "SCD_MSG_001",
            "eventTime": "2025-01-31 07:57:37",
            "category": "INFO"
        },
        "startTime": "2025-01-31 07:57:35",
        "endTime": "2025-01-31 07:57:40",
        "duration": "00:00:04",
        "metric": {
            "code": "VOLUME",
            "value": "-"
        }
    }
}
],
{
```

```
"processId": "1722407619433",
"processCode": "test_fail_case",
"processInstanceId": "1722407619433_46c2b1ca-39a7-499d-
bf3f-5fc9f131c001",
"processName": "Financial_fail_case",
"objectId": "1722408089928",
"startTime": "2024-07-31 06:41:29",
"endTime": "2024-07-31 06:50:09",
"runSk": "46",
"duration": "00:08:40",
"status": "COMPLETED",
"activityInfo": [
  {
    "activityId": "JOB_1722407746410",
    "activityName": "RUN DQ RULE",
    "status": "COMPLETED",
    "component": "DQGROUPTS",
    "latestEvent": {
      "code": "DQCUS35136 completed Run",
      "description": "DQCUS35136 completed Run",
      "eventTime": "2024-07-31 06:50:05"
    },
    "startTime": "2024-07-31 06:50:00",
    "endTime": "2024-08-02 11:05:10",
    "duration": "04:15:10",
    "metric": {}
  },
  {
    "activityId": "JOB_1722407667296",
    "activityName": "RUN DQ RULE",
    "status": "COMPLETED",
    "component": "DQGROUPTS",
    "latestEvent": {
      "code": "DQNMDUP35079 completed Run",
      "description": "DQNMDUP35079 completed Run",
      "eventTime": "2024-07-31 06:49:45"
    },
    "startTime": "2024-07-31 06:49:32",
    "endTime": "2024-07-31 06:54:30",
    "duration": "00:04:58",
    "metric": {}
  },
  {
    "activityId": "JOB_1722407664888",
    "activityName": "RUN DQ RULE",
    "status": "COMPLETED",
    "component": "DQGROUPTS",
    "latestEvent": {
      "code": "STG_ACCOUNT_MASTER completed",
      "description": "STG_ACCOUNT_MASTER completed",
      "eventTime": "2024-07-31 06:49:29"
    },
    "startTime": "2024-07-31 06:49:13",
    "endTime": "2024-07-31 06:54:06",
    "duration": "00:04:53",
    "metric": {}
  }
]
```

```
    },
    {
      "activityId": "JOB_1722407662371",
      "activityName": "RUN DQ RULE",
      "status": "COMPLETED",
      "component": "DQGROUPE",
      "latestEvent": {
        "code": "DQLOV31801 completed Run",
        "description": "DQLOV31801 completed Run",
        "eventTime": "2024-07-31 06:48:59"
      },
      "startTime": "2024-07-31 06:41:46",
      "endTime": "2024-07-31 07:04:40",
      "duration": "00:22:53",
      "metric": {}
    },
    {
      "activityId": "JOB_1722407739763",
      "activityName": "RUN DQ RULE",
      "status": "COMPLETED",
      "component": "DQGROUPE",
      "latestEvent": {
        "code": "DQLOV31158 completed Run",
        "description": "DQLOV31158 completed Run",
        "eventTime": "2024-07-31 06:42:18"
      },
      "startTime": "2024-07-31 06:42:12",
      "endTime": "2024-08-02 11:12:41",
      "duration": "04:30:28",
      "metric": {}
    },
    {
      "activityId": "JOB_1722407657485",
      "activityName": "RUN DQ RULE",
      "status": "COMPLETED",
      "component": "DQGROUPE",
      "latestEvent": {
        "code": "DQSPLCH35396 completed Run",
        "description": "DQSPLCH35396 completed Run",
        "eventTime": "2024-07-31 06:42:18"
      },
      "startTime": "2024-07-31 06:42:11",
      "endTime": "2024-08-02 11:09:14",
      "duration": "04:27:03",
      "metric": {}
    },
    {
      "activityId": "JOB_1722407731499",
      "activityName": "RUN DQ RULE",
      "status": "COMPLETED",
      "component": "DQGROUPE",
      "latestEvent": {
        "code": "DQNMDUP35079 completed Run",
        "description": "DQNMDUP35079 completed Run",
        "eventTime": "2024-07-31 06:42:08"
      },
    },
```

```
"startTime": "2024-07-31 06:41:59",
"endTime": "2024-08-02 11:08:38",
"duration": "04:26:39",
"metric": {}
},
{
  "activityId": "JOB_1722407654834",
  "activityName": "RUN DQ RULE",
  "status": "COMPLETED",
  "component": "DQGROUPTS",
  "latestEvent": {
    "code": "DQNMDUP35079 completed Run",
    "description": "DQNMDUP35079 completed Run",
    "eventTime": "2024-07-31 06:42:07"
  },
  "startTime": "2024-07-31 06:42:00",
  "endTime": "2024-08-02 11:08:37",
  "duration": "04:26:37",
  "metric": {}
},
{
  "activityId": "JOB_1722407652318",
  "activityName": "RUN DQ RULE",
  "status": "COMPLETED",
  "component": "DQGROUPTS",
  "latestEvent": {
    "code": "DQLOV31158 completed Run",
    "description": "DQLOV31158 completed Run",
    "eventTime": "2024-07-31 06:41:57"
  },
  "startTime": "2024-07-31 06:41:50",
  "endTime": "2024-08-02 11:08:17",
  "duration": "04:26:26",
  "metric": {}
},
{
  "activityId": "JOB_1722407724882",
  "activityName": "RUN DQ RULE",
  "status": "COMPLETED",
  "component": "DQGROUPTS",
  "latestEvent": {
    "code": "STG_ACCOUNT_MASTER completed",
    "description": "STG_ACCOUNT_MASTER completed",
    "eventTime": "2024-07-31 06:41:47"
  },
  "startTime": "2024-07-31 06:41:41",
  "endTime": "2024-08-02 11:08:17",
  "duration": "04:26:35",
  "metric": {}
},
{
  "activityId": "JOB_17224076226863",
  "activityName": "RUN DQ RULE",
  "status": "COMPLETED",
  "component": "DQGROUPTS",
  "latestEvent": {
```

```
        "code": "DQCUS35137 completed Run",
        "description": "DQCUS35137 completed Run",
        "eventTime": "2024-07-31 06:41:37"
    },
    "startTime": "2024-07-31 06:41:30",
    "endTime": "2024-08-02 11:08:05",
    "duration": "04:26:34",
    "metric": {}
},
{
    "activityId": "JOB_1722407660196",
    "activityName": "RUN DQ RULE",
    "status": "COMPLETED",
    "component": "DQGROUPS",
    "latestEvent": {
        "code": "DQNMDUP35079 completed Run",
        "description": "DQNMDUP35079 completed Run",
        "eventTime": "2024-07-31 06:41:42"
    },
    "startTime": "2024-07-31 06:41:30",
    "endTime": "2024-08-02 11:07:59",
    "duration": "04:26:29",
    "metric": {}
},
{
    "activityId": "JOB_1722407669800",
    "activityName": "RUN DQ RULE",
    "status": "COMPLETED",
    "component": "DQGROUPS",
    "latestEvent": {
        "code": "DQLOV31871 completed Run",
        "description": "DQLOV31871 completed Run",
        "eventTime": "2024-07-31 06:41:36"
    },
    "startTime": "2024-07-31 06:41:30",
    "endTime": "2024-08-02 11:07:57",
    "duration": "04:26:27",
    "metric": {}
}
]
},
{
    "processId": "1738309500653",
    "processCode": "1738309500653",
    "processInstanceId": "1738309500653_8b9f75ae-dd3a-4868-b5f4-9f18b535169a",
    "processName": "ERROR_CODE_CHANGES",
    "objectId": "ERROR_CODE_EG_1",
    "startTime": "2025-01-31 07:48:05",
    "endTime": "2025-01-31 07:48:40",
    "runSk": "832",
    "duration": "00:00:35",
    "status": "FAILED",
    "activityInfo": [
        {
            "activityId": "JOB_1738309540408",
```

```
"activityName": "JOB_1738309540408",
"status": "FAILED",
"component": "SCD",
"latestEvent": {
  "code": "SCD_MSG_002",
  "description": "SCD_MSG_002",
  "eventTime": "2025-01-31 07:48:09",
  "category": "INFO"
},
"startTime": "2025-01-31 07:48:07",
"endTime": "2025-01-31 07:48:40",
"duration": "00:00:32",
"metric": {
  "code": "VOLUME",
  "value": "-"
}
},
{
  "activityId": "JOB_1738309550043",
  "activityName": "JOB_1738309550043",
  "status": "FAILED",
  "component": "HIERARCHYRESAVE",
  "latestEvent": {
    "code": "HCY_RESAVE_RUNNING",
    "description": "HCY_RESAVE_RUNNING",
    "eventTime": "2025-01-31 07:48:11",
    "category": "INFO"
  },
  "startTime": "2025-01-31 07:48:07",
  "endTime": "2025-01-31 07:48:39",
  "duration": "00:00:31",
  "metric": {
    "code": "Hierarchy Total Count",
    "value": "1"
  }
},
{
  "activityId": "JOB_1738309560951",
  "activityName": "JOB_1738309560951",
  "status": "FAILED",
  "component": "DATA_SERVICE",
  "startTime": "2025-01-31 07:48:07",
  "endTime": "2025-01-31 07:48:39",
  "duration": "00:00:32",
  "metric": {}
},
{
  "activityId": "JOB_1738309590230",
  "activityName": "JOB_1738309590230",
  "status": "FAILED",
  "component": "DT",
  "latestEvent": {
    "code": "SCD_ERR_001",
    "description": "SCD Execution failed",
    "category": "ERROR",
    "eventTime": "2025-01-31 07:48:15"
```



```

    },
    "startTime": "2025-01-31 07:48:07",
    "endTime": "2025-01-31 07:48:39",
    "duration": "00:00:32",
    "metric": {}
  },
  {
    "activityId": "JOB_1738309530205",
    "activityName": "JOB_1738309530205",
    "status": "FAILED",
    "component": "DQGROUPS",
    "latestEvent": {
      "code": "INVALID_INPUT_MSG",
      "description": "INVALID_INPUT_MSG",
      "category": "FATAL",
      "eventTime": "2025-01-31 07:48:09"
    },
    "startTime": "2025-01-31 07:48:07",
    "endTime": "2025-01-31 07:48:38",
    "duration": "00:00:31",
    "metric": {}
  }
]
},
{
  "processId": "1730207954387",
  "processCode": "analysis_dq_2",
  "processInstanceId": "1730207954387_024a64a0-d37d-47d2-bbfc-25c83bdcaae9",
  "processName": "dq_analysis",
  "objectId": "1738756354624",
  "startTime": "2025-02-05 11:52:34",
  "endTime": "2025-02-05 11:53:07",
  "runSk": "951",
  "duration": "00:00:33",
  "status": "CANCELLED",
  "activityInfo": [
    {
      "activityId": "JOB_17302079583883",
      "activityName": "RUN DQ RULE",
      "status": "RUNNING",
      "component": "DQGROUPS",
      "latestEvent": {
        "code": "DQSPLCH35396 completed Run",
        "description": "DQSPLCH35396 completed Run",
        "eventTime": "2025-02-05 11:52:47"
      },
      "startTime": "2025-02-05 11:52:35",
      "duration": "03:01:15",
      "metric": {}
    }
  ]
},
{
  "processId": "1738309500653",
  "processCode": "1738309500653",

```

```
"processInstanceId": "1738309500653_0f8b2f21-cb04-4c62-8c37-
fb6357822924",
"processName": "ERROR_CODE_CHANGES",
"objectId": "LOAN_PROCESS_EXEC",
"startTime": "2025-02-05 12:04:16",
"endTime": "2025-02-05 12:04:25",
"runSk": "964",
"duration": "00:00:09",
"status": "FAILED",
"activityInfo": [
  {
    "activityId": "JOB_1738309550043",
    "activityName": "JOB_1738309550043",
    "status": "FAILED",
    "component": "HIERARCHYRESAVE",
    "latestEvent": {
      "code": "HCY_RESAVE_RUNNING",
      "description": "HCY_RESAVE_RUNNING",
      "eventTime": "2025-02-05 12:04:21",
      "category": "WARNING"
    },
    "startTime": "2025-02-05 12:04:17",
    "endTime": "2025-02-05 12:04:24",
    "duration": "00:00:07",
    "metric": {
      "code": "Hierarchy Total Count",
      "value": "1"
    }
  },
  {
    "activityId": "JOB_1738309540408",
    "activityName": "JOB_1738309540408",
    "status": "FAILED",
    "component": "SCD",
    "latestEvent": {
      "code": "SCD_MSG_001",
      "description": "SCD_MSG_001",
      "eventTime": "2025-02-05 12:04:19",
      "category": "INFO"
    },
    "startTime": "2025-02-05 12:04:17",
    "endTime": "2025-02-05 12:04:23",
    "duration": "00:00:05",
    "metric": {
      "code": "VOLUME",
      "value": "-"
    }
  },
  {
    "activityId": "JOB_1738309590230",
    "activityName": "JOB_1738309590230",
    "status": "FAILED",
    "component": "DT",
    "latestEvent": {
      "code": "DT_ERR_001",
      "description": "DT Execution failed - ( en-GB )",
```

```
        "category": "FATAL",
        "eventTime": "2025-02-05 12:04:21"
    },
    "startTime": "2025-02-05 12:04:17",
    "endTime": "2025-02-05 12:04:23",
    "duration": "00:00:06",
    "metric": {}
},
{
    "activityId": "JOB_1738309530205",
    "activityName": "JOB_1738309530205",
    "status": "FAILED",
    "component": "DQGROUPTS",
    "latestEvent": {
        "code": "UNKNOWN_ERROR",
        "description": "UNKNOWN_ERROR",
        "category": "WARNING",
        "eventTime": "2025-02-05 12:04:18"
    },
    "startTime": "2025-02-05 12:04:17",
    "endTime": "2025-02-05 12:04:21",
    "duration": "00:00:04",
    "metric": {}
}
]
},
{
    "processId": "1730207954387",
    "processCode": "Financial_dq_2",
    "processInstanceId": "1730207954387_28541612-a04e-47a0-
ba44-46e3001dd879",
    "processName": "dq_analysis",
    "objectId": "RunProcess_PR_1701934688757_11c39b82-3c5b-432f-a050-
ba6e102f853e_JOB_9110669863928",
    "startTime": "2025-01-30 13:02:10",
    "endTime": "2025-01-30 13:02:17",
    "runSk": "821",
    "duration": "00:00:07",
    "status": "FAILED",
    "activityInfo": [
        {
            "activityId": "JOB_17302079583883",
            "activityName": "RUN DQ RULE",
            "status": "FAILED",
            "component": "DQGROUPTS",
            "latestEvent": {
                "code": "UNKNOWN_ERROR",
                "description": "UNKNOWN_ERROR",
                "category": "WARNING",
                "eventTime": "2025-01-30 13:02:14"
            },
            "startTime": "2025-01-30 13:02:11",
            "endTime": "2025-01-30 13:02:16",
            "duration": "00:00:05",
            "metric": {}
        }
    ]
}
```

```
    ]
  },
  {
    "processId": "1738744441601",
    "processCode": "1738744441601",
    "processInstanceId": "1738744441601_17bbc375-3310-47e2-
a7e5-918bba878b4b",
    "processName": "FINANCIAL_PROCESS",
    "objectId": "1738744546955",
    "startTime": "2025-02-05 08:35:47",
    "runSk": "952",
    "duration": "06:18:03",
    "status": "RUNNING",
    "activityInfo": [
      {
        "activityId": "JOB_1738744451605",
        "activityName": "JOB_1738744451605",
        "status": "COMPLETED",
        "component": "DQGROUPE",
        "latestEvent": {
          "code": "DQLOV31158 completed Run",
          "description": "DQLOV31158 completed Run",
          "eventTime": "2025-02-05 08:35:57"
        },
        "startTime": "2025-02-05 08:35:48",
        "endTime": "2025-02-05 08:35:59",
        "duration": "00:00:10",
        "metric": {}
      }
    ]
  }
]
```

# 31

## Fetching the PMF Dashboard Error Report

This API helps fetch all the error information for a process instance for one or multiple Process Instance IDs only when there is an error encountered during execution. The statuses can contain one or more values such as COMPLETED, RUNNING, CANCELLED, or FAILED. The error details are listed out for processes which are in FAILED or RUNNING statuses.

The error codes are categorized as follows:

- **WARNING** - Anything that can potentially cause application oddities, but for which the application can automatically recover.
- **ERROR** - Any error which is fatal to the **operation**, but not the service or application (can't open a required file, missing data, etc.). For example, an error can be used in a scenario where a PMF activity perform 10 sub operations, out of which one failed and other 9 and over all activity is succeeded.
- **FATAL** - Any error that is forcing a failure of a PMF activity can be FATAL.
- **FATAL-AUTOMATED** - If the component is not sending any FATAL to PMF, the PMF will auto-generate a fatal message "Automated: <Activity ID> is Failed".

### 31.1 End Point Details

- **Method** – POST
- **REST Endpoint** - /pmf-exec/rest-api/v2/DashboardService/errorReport

**Table 31-1 Request Header Details**

| Name           | Type   | Required | Value            |
|----------------|--------|----------|------------------|
| ofs_service_id | String | Yes      | OFS_FSAFND       |
| Content-Type   | String | Yes      | application/json |
| locale         | String | Yes      | en-US            |

#### 31.1.1 Request JSON Parameters

**Table 31-2 Request JSON Parameters**

| Name                  | Type   | Required | Description                                            |
|-----------------------|--------|----------|--------------------------------------------------------|
| processInstanceIdList | STRING | Yes      | The unique value that identifies the process instance. |
| objectIdList          | STRING | Yes      | The unique value that identifies the object instance.  |

**Table 31-2 (Cont.) Request JSON Parameters**

| Name              | Type   | Required | Description                                                                       |
|-------------------|--------|----------|-----------------------------------------------------------------------------------|
| filter-errorLevel | STRING | Yes      | Response can be filtered and if the filter is ALL, PMF will fetch all the errors. |

**Request JSON Sample**

```
{
  "processInstanceIdList": [
    "1739776513863_4e8b7876-f0d9-4ec2-8505-d694fa8ec677",
    "1739776513863_90a0d89d-b262-4a60-9512-55c988b92fc8",
    "1739776045334_12050a74-4add-4489-b7b3-8d13b5915632",
    "1739776513863_2d41c6a6-9fcf-424b-b734-43cb6b65c9e9"
  ],
  "objectIdList": [
    "1722408089928",
    "LOAN_PROCESS_EXEC"
  ],
  "filter": {
    "errorLevel": "ALL/FATAL/ERROR/WARNING"
  }
}
```

## 31.1.2 Response JSON Parameters

This section provides the list of parameters in the JSON Response. Based on the activity status provided, the responses will vary.

**Table 31-3 POST JSON Response**

| Name              | Type   | Description                                            |
|-------------------|--------|--------------------------------------------------------|
| processId         | STRING | The unique value of a process.                         |
| processCode       | STRING | The unique code value for a process.                   |
| processInstanceId | STRING | The unique value that identifies the process instance. |
| processName       | STRING | The name of the process.                               |
| objectId          | STRING | The unique value that identifies the PMF execution.    |
| runSk             | STRING | RUNSKY of the PMF process execution.                   |
| status            | STRING | Status of the process execution.                       |
| runPurpose        | STRING | The Value of the run purpose.                          |
| runParameterNames | STRING | The parameters provided in the run execution.          |

**Table 31-3 (Cont.) POST JSON Response**

| Name      | Type   | Description                            |
|-----------|--------|----------------------------------------|
| startTime | STRING | Start time of the process execution.   |
| endTime   | STRING | End time of the process execution.     |
| duration  | STRING | The duration of the process execution. |
| metric    | STRING | It contains code and value details.    |

**Table 31-4 Activity Info in Response**

| Name              | Type   | Description                                   |
|-------------------|--------|-----------------------------------------------|
| activityId        | STRING | The unique ID of the activity.                |
| activityName      | STRING | Name of the activity.                         |
| status            | STRING | Status of the activity.                       |
| Component         | STRING | Name of the component.                        |
| errorEvents       | STRING | The error event of the activity.              |
| error code        | STRING | The error code of the run purpose.            |
| error Description | STRING | The description of the error in the activity. |
| startTime         | STRING | Start time of the activity.                   |
| endTime           | STRING | End time of the activity.                     |
| duration          | STRING | The duration of the activity execution.       |
| eventTime         | STRING | The time of the error occurrence.             |

**Table 31-5 Possible Status Codes**

| Status Code | Description                                                      |
|-------------|------------------------------------------------------------------|
| 200         | Success                                                          |
| 400         | Either Process Instance ID list or Object ID list is not passed. |
| 400         | Locale header is missing.                                        |
| 404         | No matching object Id found.                                     |
| 500         | Error while fetching activity error details.                     |

**Response JSON Sample**

```
{  "processExecutionStatus": [
    {
      "processId": "1738309500653",
      "processCode": "1738309500653",
      "processInstanceId": "1738309500653_ece5cdb7-285f-4c3f-94d3-b7c05842f385",
```

```
"processName": "LOAN_PR_EXEC",
"objectId": "Financial_PR_2",
"startTime": "2025-01-31 07:57:34",
"endTime": "2025-01-31 07:57:48",
"asOfDate": "2025-01-31",
"runPurpose": "{\"code\":\"cash_month_end\",\"name\":\"Cash Month End
Process (Transient)\"}",
"runSk": "833",
"duration": "00:00:14",
"status": "FAILED",
"runParameterNames": [
  "As of Date",
  "RUN Purpose"
],
"activityInfo": [
  {
    "activityId": "JOB_1738309550043",
    "activityName": "JOB_1738309550043",
    "status": "FAILED",
    "component": "HIERARCHYRESAVE",
    "startTime": "2025-01-31 07:57:35",
    "endTime": "2025-01-31 07:57:45",
    "duration": "00:00:10",
    "errorEvents": {}
  },
  {
    "activityId": "JOB_1738309590230",
    "activityName": "JOB_1738309590230",
    "status": "FAILED",
    "component": "DT",
    "startTime": "2025-01-31 07:57:35",
    "endTime": "2025-01-31 07:57:42",
    "duration": "00:00:06",
    "errorEvents": {
      "fatal": {
        "errorCode": "DT_ERR_001",
        "errorDescription": "DT Execution failed",
        "eventTime": "2025-01-31 07:57:40"
      }
    }
  },
  {
    "activityId": "JOB_1738309560951",
    "activityName": "JOB_1738309560951",
    "status": "FAILED",
    "component": "DATA_SERVICE",
    "startTime": "2025-01-31 07:57:35",
    "endTime": "2025-01-31 07:57:41",
    "duration": "00:00:06",
    "errorEvents": {}
  },
  {
    "activityId": "JOB_1738309540408",
    "activityName": "JOB_1738309540408",
    "status": "FAILED",
    "component": "SCD",
```



```
"startTime": "2025-01-31 07:57:35",
"endTime": "2025-01-31 07:57:40",
"duration": "00:00:04",
"errorEvents": {
  "error": [
    {
      "errorCode": "SCD_ERR_001",
      "errorDescription": "SCD Execution failed",
      "eventTime": "2025-01-31 07:57:37"
    }
  ]
},
{
  "processId": "1722407619433",
  "processCode": "Financial_fail_case",
  "processInstanceId": "1722407619433_46c2b1ca-39a7-499d-
bf3f-5fc9f131c001",
  "processName": "Financial_fail_case",
  "objectId": "1722408089928",
  "startTime": "2024-07-31 06:41:29",
  "endTime": "2024-07-31 06:50:09",
  "runSk": "46",
  "duration": "00:08:40",
  "status": "COMPLETED",
  "activityInfo": [
    {
      "message": "All Activities are successfully completed"
    }
  ]
},
{
  "processId": "1738309500653",
  "processCode": "1738309500653",
  "processInstanceId": "1738309500653_8b9f75ae-dd3a-4868-
b5f4-9f18b535169a",
  "processName": "LOAN_PR_EXEC",
  "objectId": "FINANCIAL_PR_1",
  "startTime": "2025-01-31 07:48:05",
  "endTime": "2025-01-31 07:48:40",
  "asOfDate": "2025-01-31",
  "runPurpose": "{\code\":"cash_month_end\","name\":"Cash Month End
Process (Transient)\}",
  "runSk": "832",
  "duration": "00:00:35",
  "status": "FAILED",
  "runParameterNames": [
    "As of Date",
    "Currency",
    "RUN Purpose"
  ],
  "activityInfo": [
    {
      "activityId": "JOB_1738309540408",
```

```
"activityName": "JOB_1738309540408",
"status": "FAILED",
"component": "SCD",
"startTime": "2025-01-31 07:48:07",
"endTime": "2025-01-31 07:48:40",
"duration": "00:00:32",
"errorEvents": {}
},
{
  "activityId": "JOB_1738309550043",
  "activityName": "JOB_1738309550043",
  "status": "FAILED",
  "component": "HIERARCHYRESAVE",
  "startTime": "2025-01-31 07:48:07",
  "endTime": "2025-01-31 07:48:39",
  "duration": "00:00:31",
  "errorEvents": {}
},
{
  "activityId": "JOB_1738309560951",
  "activityName": "JOB_1738309560951",
  "status": "FAILED",
  "component": "DATA_SERVICE",
  "startTime": "2025-01-31 07:48:07",
  "endTime": "2025-01-31 07:48:39",
  "duration": "00:00:32",
  "errorEvents": {}
},
{
  "activityId": "JOB_1738309590230",
  "activityName": "JOB_1738309590230",
  "status": "FAILED",
  "component": "DT",
  "startTime": "2025-01-31 07:48:07",
  "endTime": "2025-01-31 07:48:39",
  "duration": "00:00:32",
  "errorEvents": {
    "fatal": {
      "errorCode": "DT_ERR_001",
      "errorDescription": "DT Execution failed",
      "eventTime": "2025-01-31 07:48:13"
    }
  },
  "error": [
    {
      "errorCode": "SCD_ERR_001",
      "errorDescription": "SCD Execution failed",
      "eventTime": "2025-01-31 07:48:15"
    }
  ]
},
{
  "activityId": "JOB_1738309530205",
  "activityName": "JOB_1738309530205",
  "status": "FAILED",
  "component": "DQGROUPS",
```

```
"startTime": "2025-01-31 07:48:07",
"endTime": "2025-01-31 07:48:38",
"duration": "00:00:31",
"errorEvents": {
  "fatal": {
    "errorCode": "INVALID_INPUT_MSG",
    "errorDescription": "No description available for given
code",
    "eventTime": "2025-01-31 07:48:09"
  }
}
},
{
  "processId": "1730207954387",
  "processCode": "analysis_of_data_2",
  "processInstanceId": "1730207954387_024a64a0-d37d-47d2-
bbfc-25c83bdcaae9",
  "processName": "analysis_of_data",
  "objectId": "1738756354624",
  "startTime": "2025-02-05 11:52:34",
  "endTime": "2025-02-05 11:53:07",
  "asOfDate": "2025-02-12",
  "runPurpose": "{\"code\":\"cash_beginning_day\",\"name\":\"Cash
Beginning of
Day\"}",
  "runSk": "951",
  "duration": "00:00:33",
  "status": "CANCELLED",
  "runParameterNames": [
    "RUN Purpose",
    "Currency",
    "As of Date"
  ],
  "activityInfo": [
    {
      "message": "Process is cancelled or aborted"
    }
  ]
},
{
  "processId": "1738309500653",
  "processCode": "1738309500653",
  "processInstanceId": "1738309500653_0f8b2f21-cb04-4c62-8c37-
fb6357822924",
  "processName": "LOAN_PROCESS_EXEC",
  "objectId": "EUROPE_COUNTRY",
  "startTime": "2025-02-05 12:04:16",
  "endTime": "2025-02-05 12:04:25",
  "asOfDate": "2025-02-05",
  "runPurpose": "{\"code\":\"cash_month_end\",\"name\":\"Cash Month End
Process (Transient)\"}",
  "runSk": "964",
  "duration": "00:00:09",
  "status": "FAILED",
```

```
"runParameterNames": [
  "Currency",
  "RUN Purpose",
  "As of Date"
],
"activityInfo": [
  {
    "activityId": "JOB_1738309550043",
    "activityName": "JOB_1738309550043",
    "status": "FAILED",
    "component": "HIERARCHYRESAVE",
    "startTime": "2025-02-05 12:04:17",
    "endTime": "2025-02-05 12:04:24",
    "duration": "00:00:07",
    "errorEvents": {}
  },
  {
    "activityId": "JOB_1738309540408",
    "activityName": "JOB_1738309540408",
    "status": "FAILED",
    "component": "SCD",
    "startTime": "2025-02-05 12:04:17",
    "endTime": "2025-02-05 12:04:23",
    "duration": "00:00:05",
    "errorEvents": {}
  },
  {
    "activityId": "JOB_1738309590230",
    "activityName": "JOB_1738309590230",
    "status": "FAILED",
    "component": "DT",
    "startTime": "2025-02-05 12:04:17",
    "endTime": "2025-02-05 12:04:23",
    "duration": "00:00:06",
    "errorEvents": {
      "fatal": {
        "errorCode": "DT_ERR_001",
        "errorDescription": "DT Execution failed",
        "eventTime": "2025-02-05 12:04:21"
      }
    }
  },
  {
    "errorCode": "SCD_ERR_001",
    "errorDescription": "SCD Execution failed",
    "eventTime": "2025-02-05 12:04:20"
  }
]
},
{
  "activityId": "JOB_1738309530205",
  "activityName": "JOB_1738309530205",
  "status": "FAILED",
  "component": "DQGROUPS",
  "startTime": "2025-02-05 12:04:17",
  "endTime": "2025-02-05 12:04:21",
```

```
        "duration": "00:00:04",
        "errorEvents": {
          "warning": [
            {
              "errorCode": "UNKNOWN_ERROR",
              "errorDescription": "No description available for given
code",
              "eventTime": "2025-02-05 12:04:18"
            }
          ]
        }
      ],
    },
    {
      "processId": "1730207954387",
      "processCode": "analysis_of_data_2",
      "processInstanceId": "1730207954387_28541612-a04e-47a0-
ba44-46e3001dd879",
      "processName": "analysis_of_data",
      "objectId": "RunProcess_PR_1701934688757_11c39b82-3c5b-432f-a050-
ba6e102f853e_JOB_9110669863928",
      "startTime": "2025-01-30 13:02:10",
      "endTime": "2025-01-30 13:02:17",
      "asOfDate": "2025-01-30",
      "runPurpose": "{\"code\":\"cash_month_end\",\"name\":\"Cash Month End
Process (Transient)\"}",
      "runSk": "821",
      "duration": "00:00:07",
      "status": "FAILED",
      "runParameterNames": [
        "As of Date",
        "Currency",
        "RUN Purpose"
      ],
      "activityInfo": [
        {
          "activityId": "JOB_17302079583883",
          "activityName": "RUN DQ RULE",
          "status": "FAILED",
          "component": "DQGROUPS",
          "startTime": "2025-01-30 13:02:11",
          "endTime": "2025-01-30 13:02:16",
          "duration": "00:00:05",
          "errorEvents": {
            "warning":
            [
              {
                "errorCode": "UNKNOWN_ERROR",
                "errorDescription": "No description available for given
code",
                "eventTime": "2025-01-30 13:02:14"
              }
            ]
          }
        }
      ]
    }
  ]
}
```

```
    ]
  },
  {
    "processId": "1738744441601",
    "processCode": "1738744441601",
    "processInstanceId": "1738744441601_17bbc375-3310-47e2-
a7e5-918bba878b4b",
    "processName": "LOAN_PROCESS",
    "objectId": "1738744546955",
    "startTime": "2025-02-05 08:35:47",
    "asOfDate": "2025-02-04",
    "runPurpose": "{\"code\":\"cash_beginning_day\",\"name\":\"Cash
Beginning of Day\"}",
    "runSk": "952",
    "duration": "06:19:04",
    "status": "RUNNING",
    "runParameterNames": [
      "As of Date",
      "Currency",
      "RUN Purpose"
    ],
    "activityInfo": [
      {
        "message": "Activities are running successfully"
      }
    ]
  }
]
```

# Run Purpose Post API to Insert a New Run Purpose

Run purpose is an attribute, a tag or a label that is attached to a Run during execution. This API allows you to add a new "Run Purpose" during execution and it maintains the Run purpose.

## 32.1 End Point Details

- **Method** – POST
- **REST Endpoint** - /pmf-crud/rest-api/v1/RunPurposeService/addRunPurpose
- **Content-Type** - Application/Json

**Table 32-1 Request Headers Details**

| Name           | Type   | Required | Value            |
|----------------|--------|----------|------------------|
| ofs_service_id | String | Yes      | OFS_FSAFND       |
| Content-Type   | String | Yes      | application/json |

### 32.1.1 Request JSON Parameters

**Table 32-2 Request JSON Parameters**

| Name           | Type   | Required | Description                                                         |
|----------------|--------|----------|---------------------------------------------------------------------|
| runpurposeList | STRING | Yes      | The list of run purposes                                            |
| runCode        | STRING | Yes      | The code value of the run purpose                                   |
| runName        | STRING | Yes      | The name corresponding to the run code in the given locale          |
| locale         | STRING | Yes      | The local language in the language code format. For example 'en-US' |

#### Request JSON Sample

```
{
  "runPurposeList": [
    {
      "runCode" : "cash_eod",
      "runName" : "Cash End of Day",
      "locale" : "en-US"
    },
  ],
}
```

```
{
  "runCode" : "cash_beginning_day",
  "runName" : "Cash Beginning of Day",
  "locale" : "en-US"
},
{
  "runCode" : "fusion_platform",
  "runName" : "Fusion Platform",
  "locale" : "en-US"
},
{
  "runCode" : "fusion_erp_applications",
  "runName" : "Fusion ERP Applications",
  "locale" : "en-US"
},
{
  "runCode" : "acs_reconciliation",
  "runName" : "ACS Reconciliation (Transient)",
  "locale" : "en-US"
},
{
  "runCode" : "afcs_admin",
  "runName" : "AFCS Admin App",
  "locale" : "en-US"
},
{
  "runCode" : "epm_platform",
  "runName" : "EPM Platform",
  "locale" : "en-US"
},
{
  "runCode" : "cash_month_end",
  "runName" : "Cash Month End Process (Transient)",
  "locale" : "en-US"
},
{
  "runCode" : "afcs_platform",
  "runName" : "AFCS Platform",
  "locale" : "en-US"
},
{
  "runCode" : "mtm_end_day",
  "runName" : "MTM End Day",
  "locale" : "en-US"
}
]
}
```

## 32.1.2 Response JSON Parameters

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



**Table 32-3 POST JSON Response**

| Name    | Type   | Description                                                                                                              |
|---------|--------|--------------------------------------------------------------------------------------------------------------------------|
| status  | STRING | Status of the process execution. <ul style="list-style-type: none"><li>• Success: True</li><li>• Failed: False</li></ul> |
| message | STRING | It indicates the process message description. For example: Run Purpose Details have been added successfully              |

**Response JSON Sample**

```
Success:201
{
  "status": true,
  "message": "Run Purpose Details have been added successfully."
}
```

# Run Purpose Get API to Get Run Purpose Details

This API gets all the Run Purposes maintained in an environment.

## 33.1 End Point details

- **Method** – GET
- **REST Endpoint** - /pmf-crud/rest-api/v1/RunPurposeService/getallrunpurposes.
- **Content-Type** - application/json

### 33.1.1 Response JSON Parameters

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

**Table 33-1 POST JSON Response**

| Name         | Type   | Description                                                                       |
|--------------|--------|-----------------------------------------------------------------------------------|
| runCode      | STRING | A unique code to specify the execution purpose                                    |
| serviceId    | STRING | Service ID of the application                                                     |
| runId        | STRING | A unique ID for each run purpose code, run name ( description ) and locale        |
| createdBy    | STRING | The user who created the run purpose                                              |
| modifiedBy   | STRING | The user who last modified the run purpose                                        |
| createdDate  | STRING | The date and time of creation of the run purpose                                  |
| modifiedDate | STRING | The last modified date and time of the run purpose                                |
| isDeleted    | STRING | A flag that contains Y/N denoting that run purpose is deleted. It is N by default |
| runName      | STRING | The description of run code in specified locale                                   |

#### Response JSON Sample

```
{
  "runPurposes": [
    {
      "runCode": "cd12",
      "serviceId": "OFS_FSAFND",
```

```
        "runId": "000002",
        "createdBy": "sysadmin",
        "modifiedBy": "sysadmin",
        "createdDate": "2024-12-04 04:32:14",
        "modifiedDate": "2024-12-04 04:32:14",
        "isDeleted": "N",
        "runName": "name12"
    },
    {
        "runCode": "cd13",
        "serviceId": "OFS_FSAFND",
        "runId": "000003",
        "createdBy": "sysadmin",
        "modifiedBy": "sysadmin",
        "createdDate": "2024-12-04 04:32:14",
        "modifiedDate": "2024-12-04 04:32:14",
        "isDeleted": "N",
        "runName": "name13"
    },
    {
        "runCode": "other",
        "serviceId": "OFS_FSAFND",
        "runId": "000001",
        "createdBy": "sysadmin",
        "modifiedBy": "sysadmin",
        "createdDate": "2024-12-04 04:32:14",
        "modifiedDate": "2024-12-04 04:32:14",
        "isDeleted": "N",
        "runName": "Other"
    },
    {
        "runCode": "cash_eod",
        "runId": "1012367409427851",
        "createdBy": "aaiafcuser",
        "modifiedBy": "aaiafcuser",
        "createdDate": "2024-12-09 16:08:14",
        "modifiedDate": "2024-12-09 16:08:14",
        "isDeleted": "N",
        "runName": "Cash End of Day"
    },
    {
        "runCode": "cash_beginning_day",
        "runId": "1012367410296068",
        "createdBy": "aaiafcuser",
        "modifiedBy": "aaiafcuser",
        "createdDate": "2024-12-09 16:08:14",
        "modifiedDate": "2024-12-09 16:08:14",
        "isDeleted": "N",
        "runName": "Cash Beginning of Day"
    },
    {
        "runCode": "fusion_platform",
        "runId": "1012367410323250",
        "createdBy": "aaiafcuser",
        "modifiedBy": "aaiafcuser",
        "createdDate": "2024-12-09 16:08:14",
```

```
        "modifiedDate": "2024-12-09 16:08:14",
        "isDeleted": "N",
        "runName": "Fusion Platform"
    },
    {
        "runCode": "fusion_erp_applications",
        "runId": "1012367410352445",
        "createdBy": "aaiafcuser",
        "modifiedBy": "aaiafcuser",
        "createdDate": "2024-12-09 16:08:14",
        "modifiedDate": "2024-12-09 16:08:14",
        "isDeleted": "N",
        "runName": "Fusion ERP Applications"
    },
    {
        "runCode": "acs_reconciliation",
        "runId": "1012367410370920",
        "createdBy": "aaiafcuser",
        "modifiedBy": "aaiafcuser",
        "createdDate": "2024-12-09 16:08:14",
        "modifiedDate": "2024-12-09 16:08:14",
        "isDeleted": "N",
        "runName": "ACS Reconciliation (Transient)"
    },
    {
        "runCode": "afcs_admin",
        "runId": "1012367410385838",
        "createdBy": "aaiafcuser",
        "modifiedBy": "aaiafcuser",
        "createdDate": "2024-12-09 16:08:14",
        "modifiedDate": "2024-12-09 16:08:14",
        "isDeleted": "N",
        "runName": "AFCS Admin App"
    },
    {
        "runCode": "epm_platform",
        "runId": "1012367410399575",
        "createdBy": "aaiafcuser",
        "modifiedBy": "aaiafcuser",
        "createdDate": "2024-12-09 16:08:14",
        "modifiedDate": "2024-12-09 16:08:14",
        "isDeleted": "N",
        "runName": "EPM Platform"
    },
    {
        "runCode": "cash_month_end",
        "runId": "1012367410413361",
        "createdBy": "aaiafcuser",
        "modifiedBy": "aaiafcuser",
        "createdDate": "2024-12-09 16:08:14",
        "modifiedDate": "2024-12-09 16:08:14",
        "isDeleted": "N",
        "runName": "Cash Month End Process (Transient)"
    },
    {
        "runCode": "afcs_platform",
```

```
    "runId": "1012367410429861",
    "createdBy": "aaiafcuser",
    "modifiedBy": "aaiafcuser",
    "createdDate": "2024-12-09 16:08:14",
    "modifiedDate": "2024-12-09 16:08:14",
    "isDeleted": "N",
    "runName": "AFCS Platform"
  },
  {
    "runCode": "mtm_end_day",
    "runId": "1012367410443197",
    "createdBy": "aaiafcuser",
    "modifiedBy": "aaiafcuser",
    "createdDate": "2024-12-09 16:08:14",
    "modifiedDate": "2024-12-09 16:08:14",
    "isDeleted": "N",
    "runName": "MTM End Day"
  },
  {
    "runCode": "cash_eod",
    "runId": "1012372124478699",
    "createdBy": "aaiafcuser",
    "modifiedBy": "aaiafcuser",
    "createdDate": "2024-12-09 16:08:19",
    "modifiedDate": "2024-12-09 16:08:19",
    "isDeleted": "N",
    "runName": "Cash End of Day"
  },
  {
    "runCode": "cash_beginning_day",
    "runId": "1012372124514458",
    "createdBy": "aaiafcuser",
    "modifiedBy": "aaiafcuser",
    "createdDate": "2024-12-09 16:08:19",
    "modifiedDate": "2024-12-09 16:08:19",
    "isDeleted": "N",
    "runName": "Cash Beginning of Day"
  },
  {
    "runCode": "fusion_platform",
    "runId": "1012372124533914",
    "createdBy": "aaiafcuser",
    "modifiedBy": "aaiafcuser",
    "createdDate": "2024-12-09 16:08:19",
    "modifiedDate": "2024-12-09 16:08:19",
    "isDeleted": "N",
    "runName": "Fusion Platform"
  },
  {
    "runCode": "fusion_erp_applications",
    "runId": "1012372124549023",
    "createdBy": "aaiafcuser",
    "modifiedBy": "aaiafcuser",
    "createdDate": "2024-12-09 16:08:19",
    "modifiedDate": "2024-12-09 16:08:19",
    "isDeleted": "N",
```

```
    "runName": "Fusion ERP Applications"
  },
  {
    "runCode": "acs_reconciliation",
    "runId": "1012372124565404",
    "createdBy": "aaiafcuser",
    "modifiedBy": "aaiafcuser",
    "createdDate": "2024-12-09 16:08:19",
    "modifiedDate": "2024-12-09 16:08:19",
    "isDeleted": "N",
    "runName": "ACS Reconciliation (Transient)"
  },
  {
    "runCode": "afcs_admin",
    "runId": "1012372124580121",
    "createdBy": "aaiafcuser",
    "modifiedBy": "aaiafcuser",
    "createdDate": "2024-12-09 16:08:19",
    "modifiedDate": "2024-12-09 16:08:19",
    "isDeleted": "N",
    "runName": "AFCS Admin App"
  },
  {
    "runCode": "epm_platform",
    "runId": "1012372124593868",
    "createdBy": "aaiafcuser",
    "modifiedBy": "aaiafcuser",
    "createdDate": "2024-12-09 16:08:19",
    "modifiedDate": "2024-12-09 16:08:19",
    "isDeleted": "N",
    "runName": "EPM Platform"
  },
  {
    "runCode": "cash_month_end",
    "runId": "1012372124607333",
    "createdBy": "aaiafcuser",
    "modifiedBy": "aaiafcuser",
    "createdDate": "2024-12-09 16:08:19",
    "modifiedDate": "2024-12-09 16:08:19",
    "isDeleted": "N",
    "runName": "Cash Month End Process (Transient)"
  },
  {
    "runCode": "afcs_platform",
    "runId": "1012372124626259",
    "createdBy": "aaiafcuser",
    "modifiedBy": "aaiafcuser",
    "createdDate": "2024-12-09 16:08:19",
    "modifiedDate": "2024-12-09 16:08:19",
    "isDeleted": "N",
    "runName": "AFCS Platform"
  },
  {
    "runCode": "mtm_end_day",
    "runId": "1012372124651648",
    "createdBy": "aaiafcuser",
```

```
        "modifiedBy": "aaiafcuser",  
        "createdDate": "2024-12-09 16:08:19",  
        "modifiedDate": "2024-12-09 16:08:19",  
        "isDeleted": "N",  
        "runName": "MTM End Day"  
    }  
]  
}
```

# 34

## Fetching details of Data Quality that are breaching the Threshold Limit

This section provides information about fetching details of DQ groups whose threshold limit has been breached for a given Process Instance ID.

### 34.1 End Point Details

- **Method** – GET
- **REST Endpoint** - /dcaf/ext/v1/thresholdBreachedGroups/{processInstanceId}
- **Content-Type** - application/json

#### 34.1.1 Response JSON Parameters

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

**Table 34-1 POST JSON Response**

| Name      | Type   | Description                            |
|-----------|--------|----------------------------------------|
| runskKey  | STRING | The RUNSKEY of the Process Instance.   |
| misDate   | STRING | The MISDATE of the Process Instance.   |
| groupName | STRING | DQs that breached the threshold limit. |



#### Note:

If a threshold breach has occurred and the DQ run execution has passed, then the API will fetch the output and if the DQ run execution has failed, then the API will not fetch the desired output.

#### Response JSON Sample

```
{
  "runSkey": "10",
  "misDate": "20231124",
  "thresholdBreachedDQGroups": [

    { "groupName": "STG_ACCOUNT_STATUS_MASTER", "dataSource": ["ABC", "XYZ"] }
    ,

    { "groupName": "STG_TRANSACTION_MASTER", "dataSource": ["SRC1"] }
    ,

  ]
}
```



```
{ "groupName": "OptionCtrGrp500", "dataSource": [] }  
]  
}
```

# Object Migration APIs

This section provides information on Object migration APIs.

Object Migration is the process of defining, exporting and importing objects across environments (prod and non-prod)/instances. This feature also facilitates to migrate within the same setup or different setups.

Objects refer to the various metadata definitions defined for various domains. You may want to migrate objects for several reasons such as manage global deployments on multiple environments or to create multiple environments so that you can separate the development, testing, and production processes.

For example, you can use the object migration feature to define PMF process object such as balance computation on your testing environment. After successful testing, you can use this feature to export the object to production/non-production environment.

Following are the steps to trigger export/import through public APIs:



## Note:

Follow the steps in the below sequence:

The below APIs are for Exporting objects.

1. Call the Export definition API providing the objects that needs to be exported. The definition of export is persisted against the migration Code.
2. Use the export migration code and call the Invoke export API.
3. Call the Export status API to know the status of the triggered export for a given migration code.
4. Once export is successful, call the Get Download URL API to fetch the file URL for given export DMP file.

The below APIs are for Importing objects.

5. Call the Create import definition API and the pass the following parameters "migrationCode", "fileName", "dmpFileURL", "failOnErrorOptions", and "overWriteOptions".
6. Call the Update import definition API to change run time parameters "failOnErrorOptions", and "overWriteOptions". This is an optional step.
7. Use the import migration code and call the Invoke Import API.
8. Call the Import status API to know the status of triggered import for a given migration code.

The following table lists the Request Headers

**Table 35-1 Request Headers**

| Name          | Type   | Required | Example    |
|---------------|--------|----------|------------|
| ofs_tenant_id | STRING | Yes      | r0e17y-prd |

**Table 35-1 (Cont.) Request Headers**

| Name             | Type   | Required | Example          |
|------------------|--------|----------|------------------|
| locale           | STRING | Yes      | en-US            |
| ofs_remote_user  | STRING | Yes      | afcsqa           |
| ofs_workspace_id | STRING | Yes      | WS001            |
| ofs_service_id   | STRING | Yes      | OFS_FSAFND       |
| Content-Type     | STRING | Yes      | application/json |

## 35.1 Create Export Definition

This section provides information on Export definition API providing the objects that needs to be exported.

### 35.1.1 End Point Details

- **Method** – POST
- **REST Endpoint** - /aai-object-migration-service/v1/public/migrate/export/outline
- **Content-Type** - Application/Json

#### Request Headers Details

The following table lists the Request Headers:

- **ofs\_tenant\_id** - Tenant ID of the Application.
- **Locale** - Local language in the language code format. For example, en-US.
- **ofs\_remote\_user** - User ID of the user.
- **ofs\_workspace\_id** - Workspace ID of the Application. The default value is WS001 and same should be passed each time.
- **ofs\_service\_id** - Service ID of the Application.

#### 35.1.1.1 Request JSON Parameters

**Table 35-2 Request JSON Parameters**

| Name          | Type   | Required | Description                                                                                                                                               |
|---------------|--------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| migrationCode | STRING | Yes      | Migration code of the object. The minimum code length is 3 and maximum is 30 characters. The allowed characters are alphanumeric, hyphen, and underscore. |

**Table 35-2 (Cont.) Request JSON Parameters**

| Name       | Type   | Required | Description                                                                                                                                           |
|------------|--------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| objectCode | STRING | Yes      | Object code that needs to be exported. The Object codes listed in export definition should be present in source system from where its being migrated. |
| objectType | STRING | Yes      | Object type that needs to be exported. This Object type must be in capital case and is case sensitive.                                                |

**Request JSON Sample**

```
{
  migrationCode:"PublicExport005"
  "exportObjects":[
    {
      "objectCode":"1663740031831",
      "objectType:"PMF_PROCESS"
    } ,
    {
      "objectCode":"1863610075777",
      "objectType:"PIPELINE"
    }
  ]
}
```

### 35.1.1.2 Response JSON Parameters

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

**Table 35-3 POST JSON Response**

| Name          | Type   | Description                   |
|---------------|--------|-------------------------------|
| migrationCode | STRING | Migration code of the object. |

**Table 35-3 (Cont.) POST JSON Response**

| Name         | Type   | Description                                                                                        |
|--------------|--------|----------------------------------------------------------------------------------------------------|
| errorMessage | STRING | Details of the export process.<br>For example: Outline Save Failed for migrationCode.              |
| statusCode   | STRING | It indicates the status code of the service. For example:OUTLINE_SAVE_FAILED.                      |
| status       | STRING | Status of the migration <ul style="list-style-type: none"><li>• Success</li><li>• Failed</li></ul> |

**Table 35-4 Possible Status Codes**

| Status Code | Description           |
|-------------|-----------------------|
| Success:200 | Success               |
| Error:400   | Invalid inputs        |
| Error:500   | Internal Server error |

**Response JSON Samples**

Success:200

```
{  
  
  "migrationCode":"PublicExport005"  
  
  "errorMessage": "",  
  
  "statusCode": "EXPORT_OUTLINE_SAVED",  
  
  "status": "SUCCESS"  
  
}
```

Error:400

```
{  
  
  "migrationCode":"PublicExport005"  
  
  "errorMessage": "object list cant be empty",  
  
  "statusCode": "INVALID_INPUT",  
  
  "status": "FAILED"  
  
}
```

Error :500

```
{  "errorMessage": "Outline Save Failed for migrationCode",

  "statusCode": "OUTLINE_SAVE_FAILED",

  "status": "FAILED",

  migrationCode:"migrationCode" //migrationcode passed

}
```

## 35.2 Invoke Export

This section provides information on Invoke Export API. The invoke export is fetched against the Migration code.

### 35.2.1 End Point Details

- **Method** – POST
- **REST Endpoint** - /aai-object-migration-service/v1/public/migrate/export/{code}
- **Content-Type** - Application/Json

**Table 35-5 End Point Details**

| Name | Type   | Required | Value                                                                                                                                                                                       |
|------|--------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| code | String | Yes      | Migration code of the object. The minimum code length is 3 and maximum is 30 characters. The allowed characters are alphanumeric, hyphen, and underscore. For example:<br>"PublicExport005" |

#### Request Headers Details

The following table lists the Request Headers:

- **ofs\_tenant\_id** - Tenant ID of the Application.
- **Locale** - Local language in the language code format. For example, en-US.
- **ofs\_remote\_user** - User ID of the user.
- **ofs\_workspace\_id** - Workspace ID of the Application. The default value is ws001 and same should be passed each time.
- **ofs\_service\_id** - Service ID of the Application.

#### 35.2.1.1 Response JSON Parameters

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

**Table 35-6 POST JSON Response**

| Name         | Type   | Description                                                                                                              |
|--------------|--------|--------------------------------------------------------------------------------------------------------------------------|
| errorMessage | STRING | Details of the export process.<br>For example: Export already completed.                                                 |
| statusCode   | STRING | It indicates the status code of the service.<br>For example:<br>EXPORT_ALREADY_COMPLETE                                  |
| status       | STRING | Status of the migration: <ul style="list-style-type: none"><li>• Success</li><li>• Failed</li><li>• In Process</li></ul> |

**Table 35-7 Possible Status Codes**

| Status Code | Description           |
|-------------|-----------------------|
| Success:200 | Success               |
| Error:400   | Invalid inputs        |
| Error:500   | Internal server error |

**Response JSON Samples**

Success:200

```
{
  "errorMessage": "",
  "statusCode": "TRIGGERED_SUCCESS",
  "status": "SUCCESS"
}
```

Error: 400

```
{
  "errorMessage": "Export already completed",
  "statusCode": "EXPORT_ALREADY_COMPLETE",
  "status": "FAILED"
}
```

Error :500

```
{
  "errorMessage": "Internal Server Error",
  "statusCode": "INTERNAL_ERROR",
  "status": "FAILED"
}
```

```
}
```

## 35.3 Get Status for Export

This section provides information on Get Status for Export API. The export migration status is fetched against the given Migration code.

### 35.3.1 End Point Details

- **Method** – GET
- **URL** - `https://<HOST_NAME:PORT>/<TENANT>/aai-object-migration-service/v1/public/status/export/{code}`
- **Content-Type** - Application/Json

**Table 35-8 End Point Details**

| Name | Type   | Required | Value                                                                                                                                                                                       |
|------|--------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| code | STRING | Yes      | Migration code of the object. The minimum code length is 3 and maximum is 30 characters. The allowed characters are alphanumeric, hyphen, and underscore. For example:<br>"PublicExport005" |

#### Request Headers Details

The following table lists the Request Headers:

- **ofs\_tenant\_id** - Tenant ID of the Application.
- **Locale** - Local language in the language code format. For example, en-US.
- **ofs\_remote\_user** - User ID of the user.
- **ofs\_workspace\_id** - Workspace ID of the Application. The default value is `WS001` and same should be passed each time.
- **ofs\_service\_id** - Service ID of the Application.

#### 35.3.1.1 Response JSON Parameters

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

**Table 35-9 POST JSON Response**

| Name         | Type   | Description                                                                  |
|--------------|--------|------------------------------------------------------------------------------|
| errorMessage | STRING | Details of the export process.<br>For example: Migration code does not exist |



**Table 35-9 (Cont.) POST JSON Response**

| Name       | Type   | Description                                                                                                                             |
|------------|--------|-----------------------------------------------------------------------------------------------------------------------------------------|
| statusCode | STRING | It indicates the status code of the service. For example:<br>INVALID_INPUT                                                              |
| status     | STRING | Status of the migration <ul style="list-style-type: none"><li>• Success</li><li>• Failed</li><li>• In Process</li><li>• Saved</li></ul> |

**Table 35-10 Possible Status Codes**

| Status Code | Description           |
|-------------|-----------------------|
| Success:200 | Success               |
| Error:400   | Invalid inputs        |
| Error:500   | Internal server error |

**Response JSON Sample**

Success:200

```
{
  "errorMessage": "",
  "statusCode": "STATUS_FETCHED",
  "status": "SUCCESS"
}
```

Error: 400

```
{
  "errorMessage": "Migration code does not exist",
  "statusCode": "INVALID_INPUT",
  "status": "FAILED"
}
```

Error :500

```
{
  "errorMessage": "Internal Server Error",
  "statusCode": "INTERNAL_SERVER_ERROR",
  "status": "FAILED"
}
```

## 35.4 Copy Export Definition

You can use Copy Existing Export Definition API to re-export migration definitions. You can invoke this API only on the successfully exported definitions.

## 35.4.1 End Point Details

- **Method** – POST
- **REST Endpoint** - /aai-object-migration-service/v1/public/migrate/export/copyoutline
- **Content-Type** - Application/Json

### Request Headers Details

The following table lists the Request Headers:

- **ofs\_tenant\_id** - Tenant ID of the Application.
- **Locale** - Local language in the language code format. For example, en-US.
- **ofs\_remote\_user** - User ID of the user.
- **ofs\_workspace\_id** - Workspace ID of the Application. The default value is ws001 and same should be passed each time.
- **ofs\_service\_id** - Service ID of the Application.

### 35.4.1.1 Request JSON Parameters

**Table 35-11 Request JSON Parameters**

| Name                  | Type   | Required | Description                                                                                                                                               |
|-----------------------|--------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| newMigrationCode      | STRING | Yes      | Migration code of the object. The minimum code length is 3 and maximum is 30 characters. The allowed characters are alphanumeric, hyphen, and underscore. |
| existingMigrationCode | STRING | Yes      | Provide the existing migration code which has been imported successfully.                                                                                 |

### Request JSON Sample

```
{  
  
  "newMigrationCode":"ABCcopy"//new migration code  
  
  "existingMigrationCode":"ABC"//existing migration code  
  
}
```

### 35.4.1.2 Response JSON Parameters

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

**Table 35-12 POST JSON Response**

| Name          | Type   | Description                                                                                        |
|---------------|--------|----------------------------------------------------------------------------------------------------|
| migrationCode | STRING | Migration code of the object.                                                                      |
| errorMessage  | STRING | Details of the export process.<br>For example: Outline Save Failed for migrationCode.              |
| statusCode    | STRING | It indicates the status code of the service. For example: OUTLINE_SAVE_FAILED.                     |
| status        | STRING | Status of the migration <ul style="list-style-type: none"><li>• Success</li><li>• Failed</li></ul> |

**Table 35-13 Possible Status Codes**

| Status Code | Description           |
|-------------|-----------------------|
| Success:200 | Success               |
| Error:400   | Invalid inputs        |
| Error:500   | Internal Server error |

**Response JSON Samples**

Success:200

```
{
  "migrationCode":"ABCcopy"
  "errorMessage": "",
  "statusCode": "EXPORT_OUTLINE_SAVED",
  "status": "SUCCESS"
}
```

Error:400

```
{
  "migrationCode":"ABCcopy"
  "errorMessage": "New Migration code already exists",
  "statusCode": "INVALID_INPUT",
  "status": "FAILED"
}
```

Error :500

```
{
  "errorMessage": "Outline Save Failed for migrationCode",
  "statusCode": "OUTLINE_SAVE_FAILED",
  "status": "FAILED",
  "migrationCode": "migrationCode" //migrationcode passed
}
```

**List of error messages for Invalid\_input statusCode:**

- Source Migration code not received in input request.
- Source Migration Code doesn't exist.
- New Migration code not received in input request.
- New Migration code already exists.
- New Migration code length should be between 3 and 30. Alphanumeric with hyphen and underscore only are allowed. No special characters.
- Input Validation Failed.
- The existing migration code is in SAVED/FAILED status, can't copy.

## 35.5 Get Download URL for DMP file

This section provides information on how to Get Download URL for DMP file. The Download URL for DMP file is fetched against the given migration code.

### 35.5.1 End Point Details

- **Method** – GET
- **URL** - `https://<HOST_NAME:PORT>/<TENANT>/aai-object-migration-service/v1/public/downloadurl/export/{objCode}`
- **Content-Type** - Application/Json

**Table 35-14 End Point Details**

| Name    | Type   | Required | Value                                                                                                                                                                                       |
|---------|--------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| objCode | STRING | Yes      | Migration code of the object. The minimum code length is 3 and maximum is 30 characters. The allowed characters are alphanumeric, hyphen, and underscore. For example:<br>"PublicExport005" |

**Request Headers Details**

The following table lists the Request Headers:

- **ofs\_tenant\_id** - Tenant ID of the Application.
- **Locale** - Local language in the language code format. For example, en-US.
- **ofs\_remote\_user** - User ID of the user.
- **ofs\_workspace\_id** - Workspace ID of the Application. The default value is `ws001` and same should be passed each time.
- **ofs\_service\_id** - Service ID of the Application.

### 35.5.1.1 Response JSON Parameters

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

**Table 35-15 POST JSON Response**

| Name         | Type   | Description                                                                                        |
|--------------|--------|----------------------------------------------------------------------------------------------------|
| fileName     | STRING | The migration code embedded with .DMP extension. For Example:<br>"TEST_BO_20230921_1234.DMP"       |
| downloadURL  | STRING | This can be fetched from the object store.                                                         |
| errorMessage | STRING | Details of the error occurred.<br>For example: Migration code doesnt exists.                       |
| statusCode   | STRING | It indicates the status code of the service. For example:<br>FILE_URL_DOWNLOAD_SUCCESS             |
| status       | STRING | Status of the migration <ul style="list-style-type: none"><li>• Success</li><li>• Failed</li></ul> |

**Table 35-16 Possible Status Codes**

| Status Code | Description           |
|-------------|-----------------------|
| Success:200 | Success               |
| Error:400   | Invalid inputs        |
| Error:500   | Internal Server Error |

#### Response JSON Sample

```
Success:200

{
  "fileName": "PublicExport005_BO_203931_676578.DMP"
  "downloadURL": <Object store link embedded with File name>
  "errorMessage": "",
```

```
    "statusCode": "FILE_URL_DOWNLOAD_SUCCESS",  
    "status": "SUCCESS"  
}  
Error: 400  
  
{  
    "errorMessage": "Migration code doesnt exists",  
    "statusCode": "MIGRATION_CODE_DOESNT_EXIST",  
    "status": "FAILED"  
    "downloadURL": ""  
    "fileName":""  
}  
Error :500  
  
{  
    "statusCode": "INTERNAL_SERVER_ERROR",  
    "errorMessage": "Internal Server Error",  
    "statusCode": "FAILED",  
    "status": "FAILED",  
    "downloadURL": ""  
    "fileName":""  
}
```

## 35.6 Create Import Definition

This section provides information on Import definition API providing the objects that needs to be imported.

### 35.6.1 End Point Details

- **Method** – POST
- **REST Endpoint** - /aai-object-migration-service/v1/public/migrate/import/outline
- **Content-Type** - Application/Json

### Request Headers Details

The following table lists the Request Headers:

- **ofs\_tenant\_id** - Tenant ID of the Application.
- **Locale** - Local language in the language code format. For example, en-US.
- **ofs\_remote\_user** - User ID of the user.
- **ofs\_workspace\_id** - Workspace ID of the Application. The default value is `WS001` and same should be passed each time.
- **ofs\_service\_id** - Service ID of the Application.

### 35.6.1.1 Request JSON Parameters

**Table 35-17 Request JSON Parameters**

| Name          | Type   | Required                                                                                                                       | Description                                                                                                                                                                                                                    |
|---------------|--------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| migrationCode | STRING | Yes                                                                                                                            | Migration code of the object. The minimum code length is 3 and maximum is 30 characters. The allowed characters are alphanumeric, hyphen, and underscore.                                                                      |
| fileName      | STRING | Yes if <code>dmpFileURL</code> is not present. The parameters <code>fileName</code> and <code>dmpFileURL</code> can be passed. | The file is fetched from Get Download URL API. The file name should consist of <code>_BO_</code> in the name. By default, the file extension is <code>.DMP</code> .<br>For Example:<br>"TEST_BO_1234" or<br>"test_BO_1234.DMP" |

**Table 35-17 (Cont.) Request JSON Parameters**

| Name               | Type   | Required                                                                              | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------|--------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| dmpFileURL         | STRING | Yes if fileName is not present. The parameters fileName and dmpFileURL can be passed. | <p>For example: This can be fetched from the object store.</p> <ul style="list-style-type: none"> <li>dmpFileURL: The file is saved in the Object Store with the same details as mentioned in dmpFileURL.</li> <li>dmpFileURL along with file name: The file is saved with the same name as the file name specified in the request. This is required if you want to change the file name from the name available in dmpFileURL.</li> <li>Only File name: This is required when file was already uploaded and available in object store prior to importing.</li> <li>If you want to provide a different file name, it must have <code>_BO_</code>. The file name extension should be <code>.DMP</code>.</li> </ul> <p>All the objects in the DMP file will be imported.</p> |
| failOnErrorOptions | STRING | Yes                                                                                   | The allowed values are Y/N. If you have set this as Y, an error will be displayed. If set as N, no error message is displayed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| overWriteOptions   | STRING | Yes                                                                                   | The allowed values are Y/N. If you have set this as Y, you can over write the file. If set as N, you cannot over write this file.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

**Request JSON Sample**

```
{
  "migrationCode": "PublicExport011"
```



```
"fileName":"PublicExport04_BO_6786878_78787899_1.DMP"

"dmpFileURL":<The output from Get Download URL API for DMP file>

"failOnErrorOptions":"Y"

"overWriteOptions":"N"

}
```

### 35.6.1.2 Response JSON Parameters

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

**Table 35-18 POST JSON Response**

| Name         | Type   | Description                                                                                        |
|--------------|--------|----------------------------------------------------------------------------------------------------|
| errorMessage | STRING | Details of the error occurred.<br>For example: Only .DMP extension is supported for file name.     |
| statusCode   | STRING | It indicates the status code of the service. For example: INVALID_INPUT                            |
| status       | STRING | Status of the migration <ul style="list-style-type: none"><li>• Success</li><li>• Failed</li></ul> |

**Table 35-19 Possible Status Codes**

| Status Code | Description           |
|-------------|-----------------------|
| Success:200 | Success               |
| Error:400   | Invalid inputs        |
| Error:500   | Internal Server error |

#### Response JSON Sample

```
Success:200

{

  "migrationCode": "PublicExport005"

  "errorMessage": "",

  "statusCode": "IMPORT_OUTLINE_SAVED",

  "status": "SUCCESS"

}
```

Error: 400

```
{
  "migrationCode": "PublicExport099"
  "errorMessage": "Only .DMP extension is supported for file name",
  "statusCode": "INVALID_INPUT",
  "status": "FAILED",
}
```

Error :500

```
{
  "errorMessage": "Outline Save Failed for migrationCode",
  "statusCode": "OUTLINE_SAVE_FAILED",
  "status": "FAILED",
  migrationCode:"migrationCode" //migrationcode passed
}
```

## 35.7 Invoke Import

This section provides information on Invoke Import API. The invoke import is fetched against the Migration code.



### Note:

Pass the migration code returned from successful save import definition.

### 35.7.1 End Point Details

- **Method** – POST
- **REST Endpoint** - /aai-object-migration-service/v1/public/migrate/import/{code}
- **Content-Type** - Application/Json



### Note:

Pass the migration code returned from successful save import definition.

**Table 35-20 End Point Details**

| Name | Type   | Required | Value                                                                                                                                                                                           |
|------|--------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| code | String | Yes      | Migration code of the object. The code length should be less than or equal to 30 characters. The allowed characters are alphanumeric, hyphen, and underscore. For example:<br>"PublicExport005" |

**Request Headers Details**

The following table lists the Request Headers:

- **ofs\_tenant\_id** - Tenant ID of the Application.
- **Locale** - Local language in the language code format. For example, en-US.
- **ofs\_remote\_user** - User ID of the user.
- **ofs\_workspace\_id** - Workspace ID of the Application. The default value is `ws001` and same should be passed each time.
- **ofs\_service\_id** - Service ID of the Application.

### 35.7.1.1 Response JSON Parameters

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

**Table 35-21 POST JSON Response**

| Name         | Type   | Description                                                                                                                  |
|--------------|--------|------------------------------------------------------------------------------------------------------------------------------|
| errorMessage | STRING | Details of the import process. For example: Object Migration Triggered.                                                      |
| statusCode   | STRING | It indicates the status code of the service. For example: TRIGGERED_SUCCESS                                                  |
| status       | STRING | Status of the migration: <ul style="list-style-type: none"> <li>• Success</li> <li>• Failed</li> <li>• In Process</li> </ul> |

**Table 35-22 Possible Status Codes**

| Status Code | Description           |
|-------------|-----------------------|
| Success:200 | Success               |
| Error:400   | Invalid inputs        |
| Error:500   | Internal server error |

### Response JSON Sample

Success:200

```
{
  "errorMessage": "Object Migration Triggered",
  "statusCode": "TRIGGERED_SUCCESS",
  "status": "SUCCESS"
}
```

Error: 400

```
{
  "errorMessage": "Import already completed",
  "statusCode": "IMPORT_ALREADY_COMPLETE",
  "status": "FAILED"
}
```

Error :500

```
{
  "errorMessage": "Internal Server Error",
  "statusCode": "INTERNAL_ERROR",
  "status": "FAILED"
}
```

## 35.8 Update Existing Import Outline Definition

This section provides information on Update Existing Import Outline Definition API. You can trigger the import using this API.

### 35.8.1 End Point Details

- **Method** – PUT
- **REST Endpoint** - /aai-object-migration-service/v1/public/migrate/import/outline
- **Content-Type** - Application/Json

#### Request Headers Details

The following table lists the Request Headers:

- **ofs\_tenant\_id** - Tenant ID of the Application.
- **Locale** - Local language in the language code format. For example, en-US.
- **ofs\_remote\_user** - User ID of the user.
- **ofs\_workspace\_id** - Workspace ID of the Application. The default value is WS001 and same should be passed each time.
- **ofs\_service\_id** - Service ID of the Application.

### 35.8.1.1 Request JSON Parameters

**Table 35-23 Request JSON Parameters**

| Name               | Type   | Required | Description                                                                                                                                               |
|--------------------|--------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| migrationCode      | STRING | Yes      | Migration code of the object. The minimum code length is 3 and maximum is 30 characters. The allowed characters are alphanumeric, hyphen, and underscore. |
| failOnErrorOptions | STRING | Yes      | The allowed values are Y/N. If you have set this as Y, an error will be displayed. If set as N, no error message is displayed.                            |
| overWriteOptions   | STRING | Yes      | The allowed values are Y/N. If you have set this as Y, you can over write the file. If set as N, you cannot over write this file.                         |

**Request JSON Sample**

```
"migrationCode":"PublicExport011"

"failOnErrorOptions":"Y"

"overWriteOptions":"N"

}
```

### 35.8.1.2 Response JSON Parameters

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

**Table 35-24 POST JSON Response**

| Name         | Type   | Description                                                                                  |
|--------------|--------|----------------------------------------------------------------------------------------------|
| errorMessage | STRING | Details of the error occurred.<br>For example: Migration code not received in input request. |
| statusCode   | STRING | It indicates the status code of the service. For example:<br>INVALID_INPUT                   |

**Table 35-24 (Cont.) POST JSON Response**

| Name   | Type   | Description                                                                                        |
|--------|--------|----------------------------------------------------------------------------------------------------|
| status | STRING | Status of the migration <ul style="list-style-type: none"><li>• Success</li><li>• Failed</li></ul> |

**Table 35-25 Possible Status Codes**

| Status Code | Description           |
|-------------|-----------------------|
| Success:200 | Success               |
| Error:400   | Invalid inputs        |
| Error:500   | Internal Server error |

**Response JSON Sample**

Success:200

```
{
  "migrationCode": "PublicExport005"
  "errorMessage": "",
  "statusCode": "IMPORT_OUTLINE_SAVED",
  "status": "SUCCESS"
}
```

Error: 400

```
{
  "migrationCode": "PublicExport099"
  "errorMessage": "Migration code not received in input request",
  "statusCode": "INVALID_INPUT",
  "status": "FAILED",
}
```

Error :500

```
{
  "errorMessage": "Outline Save Failed for migrationCode",
  "statusCode": "OUTLINE_SAVE_FAILED",
  "status": "FAILED",
}
```

```
migrationCode":"migrationCode" //migrationcode passed  
}
```

## 35.9 Get Status for Import

This section provides information on how to fetch the status of the import object migration. The status of import is fetched against the given migration code.

### 35.9.1 End Point Details

- **Method** – GET
- **URL** - `https://<HOST_NAME:PORT>/<TENANT>/aai-object-migration-service/v1/public/status/import/{code}`
- **Content-Type** - Application/Json

**Table 35-26 End Point Details**

| Name | Type   | Required | Value                                                                                                                                                                              |
|------|--------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| code | STRING | Yes      | Migration code of the object. The minimum code length is 3 and maximum is 30 characters. The allowed characters are alphanumeric, hyphen, and underscore. For example: "Public005" |

#### Request Headers Details

The following table lists the Request Headers:

- **ofs\_tenant\_id** - Tenant ID of the Application.
- **Locale** - Local language in the language code format. For example, en-US.
- **ofs\_remote\_user** - User ID of the user.
- **ofs\_workspace\_id** - Workspace ID of the Application. The default value is `WS001` and same should be passed each time.
- **ofs\_service\_id** - Service ID of the Application.

#### 35.9.1.1 Response JSON Parameters

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

**Table 35-27 POST JSON Response**

| Name         | Type   | Description                                                                              |
|--------------|--------|------------------------------------------------------------------------------------------|
| errorMessage | STRING | Details of the import process. For example:Invalid migration code or code doesnt exists. |

**Table 35-27 (Cont.) POST JSON Response**

| Name       | Type   | Description                                                                                                                             |
|------------|--------|-----------------------------------------------------------------------------------------------------------------------------------------|
| statusCode | STRING | It indicates the status code of the service. For example:<br>INVALID_INPUT                                                              |
| status     | STRING | Status of the migration <ul style="list-style-type: none"><li>• Success</li><li>• Failed</li><li>• In Process</li><li>• Saved</li></ul> |

**Table 35-28 Possible Status Codes**

| Status Code | Description           |
|-------------|-----------------------|
| Success:200 | Success               |
| Error:400   | Invalid inputs        |
| Error:500   | Internal Server Error |

**Response JSON Sample**

Success:200

```
{
  "errorMessage": "",
  "statusCode": "STATUS_FETCHED",
  "status": "SUCCESS"
}
```

Error: 400

```
{
  "errorMessage": "Invalid migration code or code doesnt exists",
  "statusCode": "INVALID_INPUT",
  "status": "FAILED"
}
```

Error :500

```
{
  "errorMessage": "Internal Server Error",
  "statusCode": "INTERNAL_SERVER_ERROR",
  "status": "FAILED"
}
```

## 35.10 Copy Import Definition

You can use Copy Import Definition API to re-import migration definitions. You can invoke this API only on the successfully imported definitions.



## 35.10.1 End Point Details

- **Method** – POST
- **REST Endpoint** - /aai-object-migration-service/v1/public/migrate/import/copyoutline
- **Content-Type** - Application/Json

### Request Headers Details

The following table lists the Request Headers:

- **ofs\_tenant\_id** - Tenant ID of the Application.
- **Locale** - Local language in the language code format. For example, en-US.
- **ofs\_remote\_user** - User ID of the user.
- **ofs\_workspace\_id** - Workspace ID of the Application. The default value is `WS001` and same should be passed each time.
- **ofs\_service\_id** - Service ID of the Application.

### 35.10.1.1 Request JSON Parameters

**Table 35-29 Request JSON Parameters**

| Name                  | Type   | Required | Description                                                                                                                                               |
|-----------------------|--------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| newMigrationCode      | STRING | Yes      | Migration code of the object. The minimum code length is 3 and maximum is 30 characters. The allowed characters are alphanumeric, hyphen, and underscore. |
| existingMigrationCode | STRING | Yes      | Provide the existing migration code which has been imported successfully.                                                                                 |
| overWriteOptions      | STRING | Yes      | The allowed values are Y/N. If you have set this as Y, you can over write the file. If set as N, you cannot over write this file.                         |

### Request JSON Sample

```
{  "existingMigrationCode":"ABC",//mandatory - migration code should exist
    "newMigrationCode":"ABCcopy", //mandatory - code shouldnt exists
    "overWriteOptions":"Y"
}
```

### 35.10.1.2 Response JSON Parameters

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

**Table 35-30 POST JSON Response**

| Name         | Type   | Description                                                                                               |
|--------------|--------|-----------------------------------------------------------------------------------------------------------|
| errorMessage | STRING | Details of the error occurred.<br>For example: Existing Migration code not received in the input request. |
| statusCode   | STRING | It indicates the status code of the service. For example:<br>INVALID_INPUT                                |
| status       | STRING | Status of the migration <ul style="list-style-type: none"><li>• Success</li><li>• Failed</li></ul>        |

**Table 35-31 Possible Status Codes**

| Status Code | Description           |
|-------------|-----------------------|
| Success:200 | Success               |
| Error:400   | Invalid inputs        |
| Error:500   | Internal Server error |

#### Response JSON Sample

Success:200

```
{
  "migrationCode": "ABCcopy"
  "errorMessage": "",
  "statusCode": "IMPORT_OUTLINE_SAVED",
  "status": "SUCCESS"
}
```

Error: 400

```
{
  "migrationCode": "ABCcopy"
  "errorMessage": "New Migration code already exists",
  "statusCode": "INVALID_INPUT",
  "status": "FAILED",
}
```

```
}  
  
Error :500  
  
{  
  "errorMessage": "Outline Save Failed for migrationCode",  
  
  "statusCode": "OUTLINE_SAVE_FAILED",  
  
  "status": "FAILED",  
  
  migrationCode:"migrationCode" //migrationcode passed  
}
```

**List of error messages for Invalid\_input statuscode:**

- Existing Migration code not received in input request.
- Source Migration Code doesn't exist.
- New Migration code already exists.
- New Migration code length should be between 3 and 30. Alphanumeric with hyphen and underscore only are allowed. No special characters.
- Invalid/Missing overWriteOptions
- Input Validation Failed.
- The existing migration code is in SAVED/FAILED status, can't copy.

# 36

## Email Notification APIs

These APIs enable sending Email notifications for indicating the status (completion or failure) of a PMF process. The following APIs are used to register and manage email notifications.

1. Register email for the process or package (a group of processes given a logical name).
2. Get the list of email registrations.
3. Enable/Disable the receipt of notification emails. Also you can set preferences for receiving emails.

Once the registration is complete, users will start receiving emails indicating the status (completion or failure) of a PMF process.

The following table lists the Request Headers

**Table 36-1 Request Headers**

| Name           | Type   | Required | Example          |
|----------------|--------|----------|------------------|
| ofs_service_id | STRING | Yes      | OFS_FSAFND       |
| Content-Type   | STRING | Yes      | application/json |

### 36.1 Register Email Notification for a Process

This section provides information about registering email notification for a process.

#### 36.1.1 End Point Details

- **Method** – POST
- **REST Endpoint** - pmf-crud/rest-api/v1/PMFService/email/register/process
- **Content-Type** - application/json

##### 36.1.1.1 Request JSON Parameters

**Table 36-2 Request JSON Parameters**

| Name      | Type   | Required                        | Description                                      |
|-----------|--------|---------------------------------|--------------------------------------------------|
| processID | STRING | Yes                             | Process ID of the Run Pipeline.                  |
| user      | STRING | Yes                             | User Ids of the user to get notification emails. |
| usergroup | STRING | Yes if user Ids are not present | User Group Ids to get notification emails.       |

**Request JSON Sample**

```
{
  "processId": "1697696435768",
  "user": [
    "appuser",
    "dummyuser"
  ],
  "usergroup": [
    "IDNTY_ADMN"
  ]
}
```

### 36.1.1.2 Response JSON Parameters

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

**Table 36-3 POST JSON Response**

| Name       | Type   | Description                                                                                        |
|------------|--------|----------------------------------------------------------------------------------------------------|
| message    | STRING | Details of the error/success.                                                                      |
| statusCode | STRING | It indicates the status code of the service.                                                       |
| status     | STRING | Status of the registration: <ul style="list-style-type: none"><li>• false</li><li>• true</li></ul> |

**Table 36-4 Possible Status Codes**

| Status Code | Description           |
|-------------|-----------------------|
| Success:200 | Success               |
| Error:400   | Invalid inputs        |
| Error:401   | Not privileged user   |
| Error:500   | Internal Server error |

**Response JSON Sample**

Unauthorized user - Status code : 401

```
{
  "message": "Not privileged user",
  "status": false
}
```

Process Id or user and user group both are missing in request body : Status code : 400

```
{
  "message": "Email registration failed : Process Id or user/usergroup details not passed",
  "status": false
}
```

Process Id is not valid - Status code : 400

```
{
```

```

        "message": "Email registration failed : Invalid process Id",
        "status": false
    }
Invalid user passed in request - Status code : 400
    {
        "message": "Email registration failed : Invalid users [appuser12,
dummyuser12]",
        "status": false
    }
Invalid user group passed in request - Status code : 400
    {
        "message": "Email registration failed : Invalid user group DEV",
        "status": false
    }
User or user group is already registerd for email notification for given
process - Status code : 400
    user: {
        "message": "Email registration failed : user
[appuser, dummyuser] registered already ",
        "status": false
    }
    userGroup: {
        "message": "Email registration failed : usergroup
[IDNTY_ADMN] registered already ",
        "status": false
    }
Server side exception - Status code : 500
    {
        "message": "Internal server error ",
        "status": false
    }
Success response - Status code : 200
    {
        "message": "Email is registered successfully!",
        "status": true
    }

```

## 36.2 Register Email Notification for a Package

This section provides information about registering email notification for a package.

### 36.2.1 End Point Details

- **Method** – POST
- **REST Endpoint** - pmf-crud/rest-api/v1/PMFService/email/register/package
- **Content-Type** - application/json

### 36.2.1.1 Request JSON Parameters

**Table 36-5 Request JSON Parameters**

| Name      | Type   | Required                        | Description                                      |
|-----------|--------|---------------------------------|--------------------------------------------------|
| processID | STRING | Yes                             | Process ID of the Run Pipeline.                  |
| user      | STRING | Yes                             | User Ids of the user to get notification emails. |
| usergroup | STRING | Yes if user Ids are not present | User Group Ids to get notification emails.       |

**Request JSON Sample**

```
{
  "processId": "1697696435768",
  "user": [
    "appuser",
    "dummyuser"
  ],
  "usergroup": [
    "IDNTY_ADMN"
  ]
}
```

### 36.2.1.2 Response JSON Parameters

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

**Table 36-6 POST JSON Response**

| Name       | Type   | Description                                                                                   |
|------------|--------|-----------------------------------------------------------------------------------------------|
| message    | STRING | Details of the error/success.                                                                 |
| statusCode | STRING | It indicates the status code of the service.                                                  |
| status     | STRING | Status of the registration <ul style="list-style-type: none"><li>false</li><li>true</li></ul> |

**Table 36-7 Possible Status Codes**

| Status Code | Description           |
|-------------|-----------------------|
| Success:200 | Success               |
| Error:400   | Invalid inputs        |
| Error:401   | Not privileged user   |
| Error:500   | Internal Server error |

## Response JSON Sample

```
Unauthorized user - Status code : 401
{
  "message": "Not privileged user",
  "status": false
}
Package Id or user and user group both are missing in request body - Status
code : 400
{
  "message": "Email registration failed : Package Id or user/usergroup
details not passed",
  "status": false
}
Package Id is not valid - Status code : 400
{
  "message": "Email registration failed : Invalid package Id",
  "status": false
}
Invalid user passed in request - Status code : 400
{
  "message": "Email registration failed : Invalid users [appuser12,
dummyuser12]",
  "status": false
}
Invalid user group passed in request - Status code : 400
{
  "message": "Email registration failed : Invalid user group DEV",
  "status": false
}
User or user group is already registered for email notification for given
process - Status code : 400
  user: {
    "message": "Email registration failed : user
[appuser, dummyuser] registered already ",
    "status": false
  }
  userGroup: {
    "message": "Email registration failed : usergroup
[IDNTY_ADMN] registered already ",
    "status": false
  }
Server side exception - Status code : 500
{
  "message": "Internal server error ",
  "status": false
}
Success response - Status code : 200
{
  "message": "Email is registered successfully!",
  "status": true
}
```



## 36.3 Get the List of Email Registrations

This section provides information about fetching the list of email registrations.

### 36.3.1 End Point Details

- **Method** – GET
- **REST Endpoint** - pmf-crud/rest-api/v1/PMFService/email/registrationdetails  
You can also fetch the registration details by providing the specific parameters such as user, user group, and packageID. You can provide multiple user or user groups with comma separated as shown below.  
**Example:** pmf-crud/rest-api/v1/PMFService/email/registrationdetails?  
user=devnuser,devsuser&packageId=100&usergroup=qa,ADMIN,IDNTY\_ADMN
- **Content-Type** - application/json

#### 36.3.1.1 Response JSON Parameters

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

**Table 36-8 POST JSON Response**

| Name       | Type   | Description                                                                                             |
|------------|--------|---------------------------------------------------------------------------------------------------------|
| message    | STRING | Details of the error/success.                                                                           |
| statusCode | STRING | It indicates the status code of the service.                                                            |
| status     | STRING | Status of the fetching the list. <ul style="list-style-type: none"><li>• false</li><li>• true</li></ul> |

**Table 36-9 Possible Status Codes**

| Status Code | Description           |
|-------------|-----------------------|
| Success:200 | Success               |
| Error:400   | Invalid inputs        |
| Error:401   | Not privileged user   |
| Error:404   | Not found             |
| Error:500   | Internal Server error |

#### Response JSON Sample

Success Response - Status Code : 200

```
{
  "emailList": [
    {
      "isEmailRequired": "Y",
      "packageId": "100",
      "isEmailRequiredForFailedStatus": "Y",
      "packageName": "Platform",
      "isEmailRequiredForCompletedStatus": "Y",
```

```
    "user": "devvuser"
  },
  {
    "isEmailRequired": "Y",
    "packageId": "100",
    "usergroup": "dev",
    "isEmailRequiredForFailedStatus": "Y",
    "packageName": "Platform",
    "isEmailRequiredForCompletedStatus": "Y"
  },
  {
    "isEmailRequired": "Y",
    "packageId": "100",
    "usergroup": "qa",
    "isEmailRequiredForFailedStatus": "Y",
    "packageName": "Platform",
    "isEmailRequiredForCompletedStatus": "Y"
  },
  {
    "isEmailRequired": "N",
    "processId": "1701260707779",
    "processName": "test_email",
    "packageId": "100",
    "isEmailRequiredForFailedStatus": "Y",
    "packageName": "Platform",
    "isEmailRequiredForCompletedStatus": "Y",
    "user": "devsuser"
  },
  {
    "isEmailRequired": "Y",
    "processId": "1701260707779",
    "processName": "test_email",
    "packageId": "100",
    "isEmailRequiredForFailedStatus": "Y",
    "packageName": "Platform",
    "isEmailRequiredForCompletedStatus": "Y",
    "user": "devnuser"
  },
  {
    "isEmailRequired": "Y",
    "processId": "1701260707779",
    "processName": "test_email",
    "packageId": "100",
    "isEmailRequiredForFailedStatus": "Y",
    "packageName": "Platform",
    "isEmailRequiredForCompletedStatus": "Y",
    "user": "appuser"
  },
  {
    "isEmailRequired": "Y",
    "processId": "1701260707779",
    "processName": "test_email",
    "packageId": "100",
    "isEmailRequiredForFailedStatus": "Y",
    "packageName": "Platform",
    "isEmailRequiredForCompletedStatus": "Y",
```

```

        "user": "dummyuser"
    },
    {
        "isEmailRequired": "Y",
        "processId": "1701260707779",
        "processName": "test_email",
        "packageId": "100",
        "usergroup": "IDNTY_ADMN",
        "isEmailRequiredForFailedStatus": "Y",
        "packageName": "Platform",
        "isEmailRequiredForCompletedStatus": "Y"
    }
]
}

Status Code : 400
{
    "message": "Can't have request parameters as empty.",
    "status": false
}
{
    "message": "Request validation failed to presence of blacklisted
characters",
    "status": false
}
{
    "message": "Can't have request parameters as empty.",
    "status": false
}
}

Status Code : 500

{
    "message": "Internal Server Error!",
    "status": false
}

Status Code : 401

{ "message": "Not privileged user", "status": false }

Status Code : 404
{
    "message": "Not Found!",
    "status": false
}
}

```

## 36.4 Enable/Disable the Notification Emails

This section provides information about enabling /disabling the receipt of notification emails. Also you can set preferences for receiving emails.

### 36.4.1 End Point Details

- **Method** – PUT

- **REST Endpoint** - pmf-crud/rest-api/v1/PMFService/email/toggleemailservice
- **Content-Type** - Application/Json

### 36.4.1.1 Request JSON Parameters

**Table 36-10 Request JSON Parameters**

| Name                              | Type   | Required |
|-----------------------------------|--------|----------|
| processId                         | STRING | Yes      |
| packageId                         | STRING | Yes      |
| user                              | STRING | Yes      |
| isEmailRequired                   | STRING | Yes      |
| isEmailRequiredForFailedStatus    | STRING | Yes      |
| isEmailRequiredForCompletedStatus | STRING | Yes      |

#### Request JSON Sample

```
{
  "processId": "1701260707779",
  "packageId": "100",
  "user": "devsuser",
  "isEmailRequired": "N",
  "isEmailRequiredForFailedStatus": "Y",
  "isEmailRequiredForCompletedStatus": "Y"
}
```

### 36.4.1.2 Response JSON Parameters

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

**Table 36-11 POST JSON Response**

| Name       | Type   | Description                                                                                                  |
|------------|--------|--------------------------------------------------------------------------------------------------------------|
| message    | STRING | Details of the error/success.                                                                                |
| statusCode | STRING | It indicates the status code of the service.                                                                 |
| status     | STRING | Status of the setting the preferences <ul style="list-style-type: none"><li>• false</li><li>• true</li></ul> |

**Table 36-12 Possible Status Codes**

| Status Code | Description           |
|-------------|-----------------------|
| Success:200 | Success               |
| Error:400   | Invalid inputs        |
| Error:500   | Internal Server error |

## Response JSON Sample

Success response - Status code: 200

```
{
  "message": "Updated email notifications for devuser successfully.",
  "status": true
}
```

Status code: 400

```
{
  "message": " Provide either user or userGroup. ",
  "status": false
}

{
  "message": "ProcessId or PackageId not provided!",
  "status": false
}

{
  "message": "isEmailRequired Flag not present",
  "status": false
}

{
  "message": "Please provide isEmailRequired value as Y/N only.",
  "status": false
}

{
  "message": "Please provide isEmailRequiredForCompletedStatus
value as Y/N only.",
  "status": false
}

{
  "message": "Please provide isEmailRequiredForFailedStatus value
as Y/N only.",
  "status": false
}

{
  "message": "Invalid package Id or process Id.",
  "status": false
}

{
  "message": "Provide either user or userGroup.",
  "status": false
}
```

Status code: 404

```
{
  "message": "Couldn't find the registration to update! ",
  "status": false
}
```

```
}

Status code: 500

{
  "message": "Internal Server Error!",
  "status": false
}

Status code: 401

{
  "message": "Not privileged user",
  "status": false
}
```

## Retrieving ERP ESS Job Details

This section provides information on how to retrieve a ERP ESS Job details invoked by AFCS SLA process. This API will enable the orchestration of automation of end-to-end processes between AFCS and ERP.

### 37.1 End Point Details

- **Method** – GET
- **REST Endpoint** - /ahi-ext/v1/utlis/process-details/<processInstanceId>
- **Content-Type** - Application/Json

**Table 37-1 Request Headers Details**

| Name            | Type   | Required | Value                      |
|-----------------|--------|----------|----------------------------|
| ofs_remote_user | String | Yes      | "afcsqa"                   |
| Content-Type    | String | Yes      | application/json           |
| cookie          | String | Yes      | OFSEnvID=<tenant_name>     |
| cacert          | String | Yes      | /<path of the certificate> |

#### 37.1.1 Calling the API to fetch the Process Status

To call the API, follow these steps:

1. Open a relevant tool.
2. Copy only the Authorization Token that you got from the [Authentication](#) Request.
3. Go to Header.
4. Enter KEY as an **Authentication** and Description as a bearer (Authorization Token)  
<eyJ4NXQjUzI1NiI6Ikk3cWxndmlKal...>.
5. Send a request using the **GET** Method. The request must be in the following format:
  - a. **URL**- https://<HOST\_NAME:PORT>/<TENANT>/ahi-ext/v1/utlis/process-details/<processInstanceId>
  - b. **Path Parameter**: processInstanceId (Instance Id of the Process)

##### 37.1.1.1 Response JSON Parameters

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

**Table 37-2 GET JSON Response**

| Name         | Type   | Description                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| message code | STRING | The API Status code. <ul style="list-style-type: none"><li>• DIA0000</li><li>• DIA0001</li><li>• DIA0007</li><li>• DIA0008</li></ul>                                                                                                                                                                                                                                                                   |
| message body | STRING | <ul style="list-style-type: none"><li>• <b>fileName</b>: The zip file name uploaded to ERP</li><li>• <b>docId</b>: The document ID generated at ERP for the submitted zip file</li><li>• <b>erpJobId</b>: Scheduled ESS job ID</li><li>• <b>status</b>: PMF Process status<ul style="list-style-type: none"><li>– Completed</li><li>– Failed</li><li>– Running</li><li>– Cancelled</li></ul></li></ul> |

**Table 37-3 Possible Status Codes**

| Status Code | Description                                            |
|-------------|--------------------------------------------------------|
| DIA0000     | API call is success, refer to message body for details |
| DIA0001     | Invalid Process Instance ID                            |
| DIA0007     | Process execution details not found                    |
| DIA0008     | Service not found for the specified version            |

**Response JSON Sample**

```
{"msgcode": "DIA0000", "msgbody":  
  {"fileName": "XlaTransaction_PASSTHROUGH_18-  
Jan-2023-12-56-43.zip", "docId": "1203265", "erpJobId": "1488049", "status": "COMPLE  
TED"}}
```



## Token Based Authentication of ERP

This section provides information on Token Based Authentication of ERP API. You can update either the User ID or Password or Token using this API.

### 38.1 End Point Details

- **Method** – PUT
- **REST Endpoint** - /ahi-ext/v1/utlis/updateERPCred
- **Content-Type** - Application/Json

**Table 38-1 Request Headers Details**

| Name            | Type   | Required | Value                      |
|-----------------|--------|----------|----------------------------|
| ofs_remote_user | String | Yes      | "afcsqa"                   |
| Content-Type    | String | Yes      | application/json           |
| cookie          | String | Yes      | OFSEnvID=<tenant_name>     |
| cacert          | String | Yes      | /<path of the certificate> |

#### 38.1.1 Request JSON Parameters

**Table 38-2 Request JSON Parameters**

| Name     | Type   | Required | Description                                                                                                                                             |
|----------|--------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| token    | STRING | Yes      | Enter the token which is used to authenticate ERP instance. It is mandatory for token based authentication.                                             |
| userId   | STRING | Yes      | Enter the User ID which is used to authenticate ERP instance. It is mandatory for User ID/ password based authentication if the password is not passed. |
| password | STRING | Yes      | Enter the password which is used to authenticate ERP instance. It is mandatory for User ID/password based authentication if the User ID is not passed.  |

### Request JSON Sample

```
{  
  
  "token": "*****"  
  
  "userId": "finuser2"  
  
  "password": "*****"  
  
}
```

## 38.1.2 Response JSON Parameters

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

**Table 38-3 POST JSON Response**

| Name    | Type   | Description                                                                                                                          |
|---------|--------|--------------------------------------------------------------------------------------------------------------------------------------|
| msgcode | STRING | The API Status code. <ul style="list-style-type: none"><li>• DIA0008</li><li>• DIA1001</li><li>• DIA1003</li><li>• DIA1004</li></ul> |
| msgbody | STRING | Updated User ID and Password Successfully/Updated Token Successfully.                                                                |

**Table 38-4 Possible Status Codes**

| Status Code | Description                                                                                           |
|-------------|-------------------------------------------------------------------------------------------------------|
| DIA0008     | Invalid version specified for endpoint.                                                               |
| DIA1001     | ERP Settings are not configured in this instance. Please contact your application administrator.      |
| DIA1003     | Invalid credentials specified. Please specify values for UserId/Password (Token).                     |
| DIA1004     | Invalid credentials specified. Unable to authenticate to ERP instance with the credentials specified. |

### Response JSON Sample

```
Success:200  
  
{  
  "msgcode": "DIA0000",  
  
  "msgbody": "Updated User Id and Password Successfully/Updated Token  
Successfully"
```

}

# Generating PAR URL for Scheduled BI Publisher Report

You can use this REST API to generate the PAR URL for a scheduled BI Publisher report. See the following sections for information on how to perform the post operation.

## 39.1 End Point Details

- **Method** – POST
- **URL** - `https://<HOST_NAME:PORT>/<TENANT>/reporting/bipurl/generate`
- **Content-Type** - Application/Json

### 39.1.1 Request JSON Parameters

**Table 39-1 Request JSON Parameters**

| Name       | Type   | Required | Description                                                         |
|------------|--------|----------|---------------------------------------------------------------------|
| name       | STRING | YES      | A unique random name.                                               |
| objectName | STRING | YES      | A unique name of the object while creating the BI Publisher report. |

Request JSON Sample

```
{  
  
  "name": "REPORT",  
  
  "objectName": "BIP/BIP_Report"  
}
```

### 39.1.2 Response JSON Parameters

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

**Table 39-2 Table: POST JSON Response**

| Name | Type   | Description                                   |
|------|--------|-----------------------------------------------|
| id   | STRING | A unique identifier of the report.            |
| url  | STRING | The generated URL of the BI Publisher report. |

**Table 39-2 (Cont.) Table: POST JSON Response**

| Name   | Type   | Description                                       |
|--------|--------|---------------------------------------------------|
| status | STRING | This provides the status of the report execution. |

**Response JSON Sample**

```
{
  "id": "mz1ls5fNFfB0JqqfzRQrob2CoMh5NxratioTjc0RjtIzdd9VP5U5kHrPZVlWpcdf",

  "url": "https://objectstorage.us-phoenix-1.oraclecloud.com/p/
7lpHY9VEImyc9wXdElDbO_dsamKJP56XtQp4BP2F-J8X_1qg9lZt2x6YFyehc8H7/n/
oraclegbudevcorp/b/
cds_gbua_cndevcorp_fsgbu_fsafnd_cspqbyoaf6wnc0bo22wj_wo5swe-prd_1/o/BIP/
BIP_Report",

  "status": "Success"
}
```

Users can access the generated PAR URL to download the scheduled BI Publisher report.

# Glossary

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