Oracle Financial Services

REST APIs for Data Foundation Cloud Service



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1

Get Help

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

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2

About the REST APIs

You can use Oracle REST APIs to view data stored in the Oracle Financial Services Data 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.

DFCS 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.

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3
Getting Started

- Prerequisites
- Authentication
- Supported Methods
- Supported Headers
- Status Code

3.1 Prerequisites

- Access to the Data 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 API

  For 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/

- Obtain Account Information

3.1.1 Obtain Account Information

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

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3.2 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 DFCS Application to invoke the REST APIs from external applications.

Ensure that you have the appropriate log-in credentials to access the Data 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.
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

- 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).
- Get the OAuth Client ID and Client Secret
- Generate the Access Token
- Generate the Refresh Token
- Invoke the API using the Access Token
- Activate New User Accounts for API Invocation
  Users must be activated in DFCS before invoking the APIs. You must perform one of the following option as a one time activity to activate new user accounts in DFCS.

3.2.1 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).

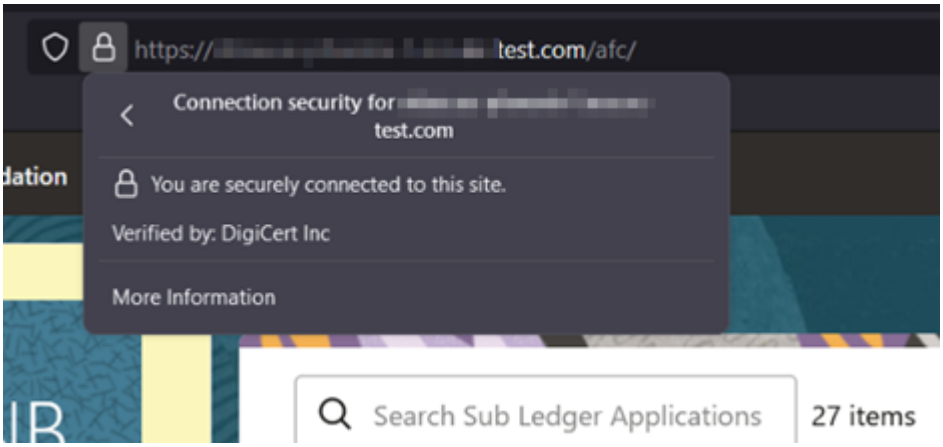
Downloading the Application Certificate in Firefox

1. Log in to the DFCS Application.
2. Click the **View site information/Verified by**  Icon in the Browser URL Address Bar.

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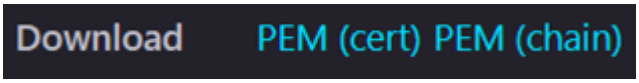
3. Select **More information**.

Figure 3-1 Certificates - More information



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

Figure 3-2 Download PEM (cert)



Downloading the Application Certificate in Google Chrome and Microsoft Edge

1. Open Chrome or edge and go to the web application you wish to download the certificate from.
2. In the address bar, click on the **lock icon** next to the URL.
3. A small dropdown will appear. Click on **Connection is secure**. Then, click on **Certificate is valid**.
4. In the certificate window, navigate to the **Details** tab.
5. Click on the **Export** button to begin downloading the certificate.
6. When prompted, choose **Base-64 encoded X.509 (.CER)**. This will provide a PEM file.
7. Save the file with the **.pem** extension.

3.2.2 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).

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

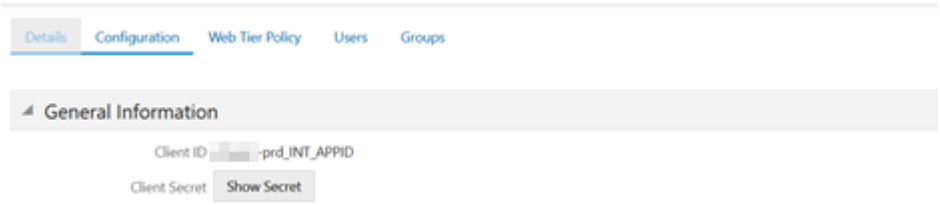
   For more information, see Access Service Consoles from **Administering Oracle Identity Cloud Service**.
5. From the Oracle Cloud Services Window, select the required DFCS Internal Application Service (in **DFCS <tenant-id> INTERNAL** Format) from the list.

> **Note**
>
> If you are retrieving ERP ESS Job Details API, select the required DFCS Application Service (in **DFCS <tenant-id>** Format) from the list. Ensure you use the same **DFCS <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 3-3 Client ID and Client Secret



7. Copy the **Client ID** and **Client Secret**.
8. Open a CLI Tool.
9. Generate the Access Token

3.2.3 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
```


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

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

3.2.4 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:idm
:__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>"
```


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

3.2.5 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://<DFCS-URL>/<TENANT><APP_ID>/dsa/
utils/getObjStoreParUrl
```

> **Note**
>
> The maximum number of files that can be uploaded per API request is **11**. If the number of files exceeds this limit, the system returns an error response.
> **Sample Error Response**
>
> ```
> {
>   "code": "DIH0000",
>   "body": {
>     "errorCode": "FSS-0165",
>     "errorDescription": "Number of file uploads requested are more
> than configured limit",
>     "errorParameters": []
>   }
> }
> ```

3.2.6 Activate New User Accounts for API Invocation

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

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

   OR

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

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- **API Request Paylod** - null

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

3.3 Supported Methods

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

3.3.1 Media Types

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

- application/json

3.4 Supported Headers

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

Table 3-1 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

3.5 Status Code

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

Table 3-2 Status Code

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

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Table 3-2 (Cont.) Status Code

HTTP Status Code	Description
201 Created	The request has been fulfilled and resulted in a new resource being created. The response includes a Location Header containing the canonical URI for the newly created resource. A 201 status is returned from a synchronous resource creation or an asynchronous resource creation that was completed before the response was returned.
202 Accepted	The request has been accepted for processing, but the processing has not been completed. The request may or may not eventually be acted upon, as it may be disallowed at the time the processing takes place. When specifying an Asynchronous (__detached=true) 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 __detached=false, a 202 may be returned if the underlying operation does not complete in a reasonable amount of time.
400 Bad Request	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).
401 Unauthorized	The request is not authorized. The Authentication Credentials included with this request are missing or invalid.
403 Forbidden	The user cannot be authenticated. The user does not have the authorization to perform this request.
404 Not Found	The request includes a resource URI that does not exist.
405 Method Not Allowed	The HTTP verb specified in the request (DELETE, GET, POST, PUT) is not supported for this request URI.
406 Not Acceptable	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. For example, the client's Accept Header request XML be returned, but the resource can only return JSON.
409 Conflict	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).
415 Not Acceptable	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).
500 Internal Server Error	The server encountered an unexpected condition that prevented it from fulfilling the request.

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Table 3-2 (Cont.) Status Code

HTTP Status Code	Description
`503 Service Unavailable`	The server is unable to handle the request due to temporary overloading or maintenance of the server. The REST Web Application is not currently running.

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4

Mandatory Authentication to be perfomed 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}`

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5
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.

- Generating PAR URL for File Upload
- Generating PAR URL For File Download

5.1 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.

- End Point Details

5.1.1 End Point Details

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

5.1.1.1 Calling the API to Generate the URL

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) `<eyJ4NXQjUzI1NiI6Ikk3cWxndm1Kal...>`.
5. Send a request using the **POST** Method. The request must be in the following format:
   a. **URL**- https://<HOST_NAME:PORT>/<TENANT>/dsa-ext/v1/fileupd/gen-par

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> **Note**
>
> The maximum number of files that can be uploaded in a single API request is **10**. If the number of files exceeds this limit, the system returns an error response.
> **Error Responses**
>
> - **Public API Error**
>
> ```
> {
>   "code": "DS0003",
>   "body": "Invalid JSON"
> }
> ```
>
> - **Legacy API Error**
>
> ```
> errorCode: FSS-0165
> errorDescription: Number of file uploads requested are more
> than configured limit
> ```

b. **Query Parameter** - No query parameters.

- Request JSON Parameters
  This section provides the list of parameters in the JSON Request.
- Response JSON Parameters

5.1.1.1.1 Request JSON Parameters

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

Table 5-1 Request JSON Parameters

Name	Type	Required	Description
fileName	STRING	Yes	The name of the file to be uploaded. The following are the conditions for to enter in this field: • Must start with an Alphanumeric Character • Allowed characters are alphabets, numbers, and special characters - hyphen(-), dot(.), and underscore(_) • Length of characters must not be greater than 255 characters

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Table 5-1 (Cont.) Request JSON Parameters

Name	Type	Required	Description
fileSize	INTEGER	Yes	The size of the file to be uploaded. The size of the file should be greater than 1 Byte and less than 7 GB.
mimeType	STRING	Yes	The mime type to be uploaded. The following mime types are allowed: • text/csv • text/plain • application/vnd.openxmlformats-officedocument.spreadsheetml.sheet • application/zip

Request JSON Sample

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

5.1.1.1.2 Response JSON Parameters

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

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Table 5-2 POST JSON Response

Name	Type	Description
code	STRING	The Status Code. The following is the list with details: • DS0000 - Success • DS0002- Service Not Found • DS0003 - Invalid JSON • DS0004 - Request Body is empty • DS0005 - File Name cannot be empty • DS0006 - File name [{0}] length cannot be greater than 255 characters • DS0007 - MIME type cannot be empty for {0} • DS0008 - Invalid MIME type specified for {0}. Supported MIME types : {1} • DS0009 - File size not specified for {0} • DS0010 - File size should be greater than 1B and less than 7GB for {0} • DS0012 - File {0} must start with an alphanumeric character and allowed characters in file name are alphanumeric characters, hyphen(-), dot(.), underscore(_)")
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":
```


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```
        "https://objectstorage.us-phoenix-1.oraclecloud.com/p/
e0xuvdJw6zSFF00hO-I1kwgko624ouF5CNevjTpWMSYpK3180CYJ4Xhkpx4P33cp/n/
oraclegbudevcorp/b/fsgbu_fsafnd_cndevcorp_h3ofin-prd_default/o/
default/asg/seo/f4ed02e4-581d-46a7-8ebc-c101261eeaf9",
"fileId": 34033
}],"failed": []
}, {
"filename": "file3.zip",
"uploadURL":
        "https://oraclegbudevcorp.objectstorage.us-phoenix-1.oci.customer-
oci.com/p/Q9q2gkVFq10gVY_ZKyYWtNOfe7S3qzRg-sykN89YhUkyvVTGeOxQgMIBmEFO7BVT/n/
oraclegbudevcorp/b/fsgbu_fsafnd_cndevcorp_sc0noi-prd_default/o/default/
2024-09-06/lbv/118757d4-3cd5-4901-b643-aed44f22abb6",
"fileId": 34035
}
}
```


5.2 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.

- End Point Details

5.2.1 End Point Details

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

Table 5-3 End Point Details

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

- Request JSON Parameters
- Response JSON Parameters

5.2.1.1 Request JSON Parameters

Table 5-4 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. **For Example**: `ah_acct_period_16-Nov-2022.csv`

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Request JSON Sample

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

5.2.1.2 Response JSON Parameters

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

Table 5-5 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 **Available**.
code	STRING	The Status Code. The following is the list with details: • DS0000 - Success • DS0004 - Request Body is empty • DS0005 - File Name cannot be empty

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__2fyN1K-ssixTeZ/n/
oraclegbudevcorp/b/fsgbu_fsafnd_cndevcorp_qfgnhy-prd_default/o/
default/jfm/cdq/761dac86-e187-495c-92cc-4f1760dfe839"
}
],
"failed": []
    }
}
```


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6
Initiating a PMF Process

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

- End Point Details

6.1 End Point Details

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

Table 6-1 End Point 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.

- Request JSON Parameters
- Response JSON Parameters

6.1.1 Request JSON Parameters

Table 6-2 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(_) No other special characters are allowed 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'

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Table 6-2 (Cont.) Request JSON Parameters

Name	Type	Required	Description
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"
        }
```


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```
      ],
      "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": "123457000000000"
    }
  }
}
```

Request JSON Sample for Reconciliation Run

```
{
  "SummaryPayload": {
    "objectid": "GLReconTest1",
    "processID": "1863610075777",
    "objecttype": "GL",
    "infodom": "OFSAAAIINFO",
    "locale": "en-US",
    "applicationparams": {
      "FIC_MIS_DATE": "30-01-10",
      "RECON_TYPE": "SRT1",
      "GL_GLB_THR": "52",
      "GL_AUTO_APPROVAL": "Y",
      "GL_THR_BREACH": "C",
      "GL_V_RUN_MAIN_DESC": "ExecutionTest1",
      "Reconciliation Definition": [
        "@rule_id"
      ]
    }
  }
}
```

Request JSON Sample for Average Balance Computation

```
{
  "FIC_MIS_DATE": "2026-01-07",
  "DATA_SOURCE": "OTH",
  "PRODUCT_PROCESSOR": "LOANCONTRACTS,BORROWINGS",
  "ABC_INPUT_FIELD": [
    {
      "PRODUCT_PROCESSOR": "LOANCONTRACTS",
      "SOURCE_BUSINESS_TERM": "End of Period Balance",
      "TARGET_BUSINESS_TERM": "Average Balance Month Till Date"
    },
    {
      "PRODUCT_PROCESSOR": "LOANCONTRACTS",
```


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```
      "SOURCE_BUSINESS_TERM": "End Of Period Book Balance",
      "TARGET_BUSINESS_TERM": "Average End Of Period Book Balance Month Till
Date"
    },
    {
      "PRODUCT_PROCESSOR": "BORROWINGS",
      "SOURCE_BUSINESS_TERM": "End Of Period Principal Balance",
      "TARGET_BUSINESS_TERM": "Average End Of Period Principal Balance Month
Till Date"
    }
  ]
}
```

Request JSON Sample for Application Data Services

```
{
  "SummaryPayload": {
    "objectid": "DataLoadTest1",
    "processID": "1863610075777",
    "objecttype": "DATALOAD",
    "infodom": "OFSAAAIINFO",
    "locale": "en-US",
    "applicationparams": {
      "DATA_FILE_SPEC_ID": "9999",
      "INPUT_FILE_NAME": "TEST_INPUT_FILE_NAME",
      "LOAD_IDENTIFIER": "1",
      "FIC_MIS_DATE": "2028-04-30",
      "DATA_SOURCE_CD": "SRC_4",
      "RATE_DATA_SOURCE_CODE": "SRC_4"
    }
  }
}
```

Request JSON Sample for Dimension Loader

```
{
  "SummaryPayload": {
    "objectid": "MISDateRun1",
    "processID": "1863610075777",
    "objecttype": "RUN",
    "infodom": "OFSAAAIINFO",
    "locale": "en-US",
    "applicationparams": {
      "FIC_MIS_DATE": "2028-04-30"
    }
  }
}
```

Request JSON Sample for Right to Forget

```
{
  "SummaryPayload": {
    "objectid": "PartyRun1",
    "processID": "1863610075777",
```


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```
    "objecttype": "RUN",
    "infodom": "OFSAAAIINFO",
    "locale": "en-US",
    "applicationparams": {
      "FC_V_PARTY_ID": "PARTY_test1"
    }
  }
}
```

Request JSON Sample for Exchange Rate

```
{
  "SummaryPayload": {
    "objectid": "ExgTest1",
    "processID": "@processID",
    "objecttype": "null",
    "infodom": "OFS_FSAFND",
    "segment": "",
    "userid": "DfcsQaTest",
    "locale": "en-US",
    "securitymap": {},
    "applicationparams": {
      "FIC_MIS_DATE": "2029-03-31"
    }
  }
}
```

Request JSON Sample for Result Area Entities Data Population

```
{
  "SummaryPayload": {
    "objectid": "obj_Result",
    "processID": "RADL_PMF_PC",
    "objecttype": "Connectors",
    "infodom": "OFS_FSAFND",
    "segment": "",
    "userid": "@user_id",
    "locale": "en-US",
    "securitymap": {},
    "applicationparams": {
      "FIC_MIS_DATE": "2029-03-31",
      "DataSource": "NA"
    }
  }
}
```

Request JSON Sample for PPN Account Load Run Map

```
{
  "SummaryPayload": {
    "objectid": "MISDateRun1",
    "processID": "",
    "objecttype": "RUN",
    "infodom": "OFSAAAIINFO",
```


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```
    "locale": "en-US",
    "applicationparams": {
      "FIC_MIS_DATE": "2028-04-30"
    }
  }
}
```

Request JSON Sample for Source Data Quality Check Data Foundation Process

```
{
  "SummaryPayload": {
    "objectid": "DQ_Run1",
    "processID": "DFCS_SYS_DQGRP_PRC",
    "objecttype": "RUN",
    "infodom": "OFSAAAIINFO",
    "locale": "en-US",
    "applicationparams": {
      "FIC_MIS_DATE": "2029-03-31"
    }
  }
}
```

Request JSON Sample for GL Hierarchy Resave

```
{
  "SummaryPayload": {
    "objectid": "GLHierResave",
    "processID": "@process_id",
    "objecttype": "null",
    "infodom": "OFS_FSAFND",
    "segment": "",
    "userid": "DfcsQaTest",
    "locale": "en-US",
    "securitymap": {},
    "applicationparams": {}
  }
}
```

6.1.2 Response JSON Parameters

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

Table 6-3 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

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Table 6-3 (Cont.) Table: POST JSON Response

Name	Type	Description
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"
    }
```


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7

Initiating a PMF Process Using Object ID

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

- End Point Details

7.1 End Point Details

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

Table 7-1 End Point 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.

- Request JSON Parameters
- Response JSON Parameters

7.1.1 Request JSON Parameters

Table 7-2 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(_) No other special characters are allowed For example: 'test123'
`processID`	STRING	Yes	Process ID of the Run Pipeline
`processcode`	STRING	Yes	Process Code of the Run Pipeline

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Table 7-2 (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 in the her

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Table 7-2 (Cont.) Request JSON Parameters

Name	Type	Required	Description
			equest. It is an optional parameter.

> **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",
```


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```
"processId": "PR_1654836288932",

"applicationParams":{FIC_MIS_DATE:2019-04-19, "run_purpose":["test1"]}

"processCode":"code"

}
```

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
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 For example: Invalid Run Purpose, converted to other

Table 7-4 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": "",

          }
```


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8
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.

- Prerequisites
- Get Metadata Keys
- Retrieve Data Using the Metadata Keys

8.1 Prerequisites

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

- Users must be mapped to the Data Access User Group (DFCSDTACCGRP).
- 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.

8.2 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.

- End Point Details

8.2.1 End Point Details

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

- Request JSON Parameters
- Response JSON Parameters

8.2.1.1 Request JSON Parameters

There is no payload to be submitted during API invocation.

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8.2.1.2 Response JSON Parameters

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

Table 8-1 POST JSON Response

Name	Type	Description
name	STRING	Connector name.
code	INTEGER	Connector Metadata Key
attributes	ARRAY	Business Term Attributes · name - The Business Term Name. This is a STRING. · 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": "BTO1375"
}, {
"name": "Joining Credit Score",
"code": "BTO2010"
}, {
"name": "Original Account Number",
"code": "BTO2726"
}, {
"name": "Account Or Contract Number",
"code": "BTO53"
}, {
```


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```
"name": "Address Identifier",

"code": "BTO126"

}, {

"name": "Address Line One",

"code": "BTO127"

}, {

"name": "As Of Date",

"code": "BTO1375"

}, {

"name": "Account Or Contract Numeric Identifier",

"code": "BTO3956"

}, {

"name": "Address Numeric Identifier",

"code": "BTO3959"

}]

}

}
```


8.3 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 DFCSDTACCGRP to retrieve data using the metadata keys.

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

- End Point Details

8.3.1 End Point Details

- **Method** – POST

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- **URL** - `https://<HOST_NAME:PORT>/<TENANT>/dsa-ext/v1/data-access/data/<connector_id>`
- **Content-Type** - application/json
- Request JSON Parameters
- Response JSON Parameters

8.3.1.1 Request JSON Parameters

Table 8-2 JSON Request

Name	Type	Required	Description
attr_filter	STRING	Yes	Business Term Codes from the Get Metadata Keys API. NOTE: · 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. For example: "data_filter": {"BTO1375": "01-Apr-2022"} NOTE: · 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"}

}
```

8.3.1.2 Response JSON Parameters

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

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Table 8-3 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": [{

"BTO53": "5",

"BTO3956": "5",

"BTO1375": "2022-04-01 00:00:00",

"BTO2726": " ",

"BTO2010": " "

}, {

"BTO53": "55",

"BTO3956": "55",

"BTO1375": "2022-04-01 00:00:00",

"BTO2726": " ",

"BTO2010": " "

}]

}, {

"name": "Address",

"data": [{

"BTO3959": "5",
```


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```
"BTO1375": "2022-04-01 00:00:00",

"BTO126": "abcd",

"BTO127": " "

}, {

"BTO3959": "55",

"BTO1375": "2022-04-01 00:00:00",

"BTO126": "abcde",

"BTO127": " "

}]

}]

}
```


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9
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.

- End Point Details

9.1 End Point Details

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

Table 9-1 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.

- Request JSON Parameters
- Response JSON Parameters

9.1.1 Request JSON Parameters

Table 9-2 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"

}
```


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9.1.2 Response JSON Parameters

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

Table 9-3 POST JSON Response

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

Table 9-4 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
          }
```


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10

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.

- End Point Details

10.1 End Point Details

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

Table 10-1 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.

- Request JSON Parameters
- Response JSON Parameters

10.1.1 Request JSON Parameters

Table 10-2 Request JSON Parameters

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

Request JSON Sample

```
{
    "objectId":"1733828153618"


}
```

10.1.2 Response JSON Parameters

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

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Table 10-3 POST JSON Response

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

Table 10-4 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”
      }
```


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11

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.

- End Point Details

11.1 End Point Details

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

Table 11-1 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.

- Request JSON Parameters
- Response JSON Parameters

11.1.1 Request JSON Parameters

Table 11-2 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"


}
```


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11.1.2 Response JSON Parameters

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

Table 11-3 POST JSON Response

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

Table 11-4 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
    }
```


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12

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.

- End Point Details

12.1 End Point Details

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

Table 12-1 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.

- Request JSON Parameters
- Response JSON Parameters

12.1.1 Request JSON Parameters

Table 12-2 Request JSON Parameters

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

Request JSON Sample

```
{
    "objectId":"1733828153618"


}
```

12.1.2 Response JSON Parameters

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

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Table 12-3 POST JSON Response

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

Table 12-4 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
    }
```


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13
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.

- End Point Details

13.1 End Point Details

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

Table 13-1 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.

- Request JSON Parameters
- Response JSON Parameters

13.1.1 Request JSON Parameters

Table 13-2 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"


}
```


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13.1.2 Response JSON Parameters

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

Table 13-3 POST JSON Response

Name	Type	Description
`processInstanceID`	STRING	Instance Id of the Process being Rerun
`message`	STRING	It indicates the process message description For example: Process has been run
`status`	STRING	Status of the process execution. • Success: True • Failed: False

Table 13-4 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
         }
```


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14

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 .

- End Point Details

14.1 End Point Details

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

Table 14-1 End Point Details

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

- Request JSON Parameters
- Response JSON Parameters

14.1.1 Request JSON Parameters

Table 14-2 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"


}
```


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14.1.2 Response JSON Parameters

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

Table 14-3 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 For example: Process has been run
`status`	STRING	Status of the process execution. • Success: True • Failed: False

Table 14-4 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
         }
```


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15

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.

- End Point Details

15.1 End Point Details

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

Table 15-1 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.

- Request JSON Parameters
- Response JSON Parameters

15.1.1 Request JSON Parameters

Table 15-2 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"
```


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```
  ]
}
```

15.1.2 Response JSON Parameters

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

Table 15-3 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"
     }
  ]
}
```


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16

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.

- End Point Details

16.1 End Point Details

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

Table 16-1 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.

- Request JSON Parameters
- Response JSON Parameters

16.1.1 Request JSON Parameters

Table 16-2 Request JSON Parameters

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

Request JSON Sample

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


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16.1.2 Response JSON Parameters

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

Table 16-3 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 16-4 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\":\"dfcs_admin\",\"name\":\"DFCS 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",
```


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```
            "status": "CANCELLED",
            "runPurpose": "{\"code\":\"acs_reconcilation\",\"name\":\"ACS
Reconcilation (Transient)\"}",
            "objectId": "1733823192143"
        },
        {
            "processInstanceId": "1733822357497_94bf9e79-0cf7-4703-
b76c-890fd1febd48",
            "status": "RUNNING",
            "runPurpose":
"{\"code\":\"fusion_erp_applications\",\"name\":\"Fusion ERP Applications\"}",
            "objectId": "1733823199934"
        }
    ]
}
```


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17

Searching a File

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

- End Point Details

17.1 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 17-1 Request Headers-Searching a File

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

- Request JSON Parameters
  The following table lists the Request Body.
- Response JSON Parameters
  This section provides the list of parameters in the JSON Response.

17.1.1 Request JSON Parameters

The following table lists the Request Body.

Table 17-2 Request JSON Parameters - Searching a File

Name	Type	Required	Description
`OrdeByCode`	INTEGER	No	The files are sorted based on the inputs provided: • 1 - Sorts the file name from A to Z • 2 - Sorts the file name from Z to A • 3 - Displays the Recent First files • 4 - Displays the Recent Last files For Example: 3

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Table 17-2 (Cont.) Request JSON Parameters - Searching a File

Name	Type	Required	Description
offset	INTEGER	No	Specify a value that will skip the N first rows in a result set before starting to return any rows For Example: 1
fetchSize	INTEGER	No	Specify the number of files to be fetched in the result set. For Example: 100
nameStr	STRING	No	Specify the name of the file 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 For Example: 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 For Example: 2022-09-13 06:39:42
minFileSize	INTEGER	No	Specify the minimum size of the file in bytes For Example:200
maxFileSize	INTEGER	No	Specify the maximum size of the file in bytes For Example: 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}
```

17.1.2 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.

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Table 17-3 POST JSON Response

Name	Type	Description
Id	STRING	The file Identifier
name	STRING	The file name
type	STRING	The file type. The response is either ' text/plain' fox 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
updatedDate	STRING	The files that were updated on a specific date 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",
 "updatedDate": "2022-08-30 17:37:16",
 "procId": "1661867637887",
```


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```
"executionId": "141",

"procInstanceId": "1661867637887_74c5b9c3-9814-46e5-ba7e-1f48ce443bdb",

"updatedBy": "filestore"

}

]

}
```


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18

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.

- End Point Details

18.1 End Point Details

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

Table 18-1 Request Headers Details

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

- Request JSON Parameters
- Response JSON Parameters

18.1.1 Request JSON Parameters

Table 18-2 Request JSON Parameters

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

Request JSON Sample

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

}
```

18.1.2 Response JSON Parameters

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

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Table 18-3 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"
            ]
        ]
    }
}
```


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19

Fetching the Process Execution Details

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

- End Point Details

19.1 End Point Details

- **Method** – POST
- **REST Endpoint** - /pmf-exec/rest-api/v1/PMFService/processExecutionDetails
- **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

- Request JSON Parameters
- Response JSON Parameters

19.1.1 Request JSON Parameters

Table 19-2 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"]
}'
```


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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
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_167540
2120841_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":"186361007
5777_bc5a34f8-449a-4de2-beb8-6f53cc18b7d1","execution_end_time":"2023-02-01
05:33:55","status":"FAILED"},{"process_owner":"dummyuser","execution_start_tim
e":"2023-02-06
12:51:09","mis_date":"20230206","runskey":"10","process_instance_id":"16756875
37927_b02e5936-ba1c-4deb-9ceb-458aace3ccfc","execution_end_time":"2023-02-06
12:58:43","status":"COMPLETED"}]}
```


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20

Fetching the Process Execution Details Using Object ID

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

- End Point Details

20.1 End Point Details

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

- Request JSON Parameters
- Response JSON Parameters

20.1.1 Request JSON Parameters

Table 20-2 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"
            ]
}
```


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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
description	STRING	Description of the PMF Execution
objectId	STRING	Object ID of the PMF Execution

Table 20-4 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",
```


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```
            "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"
        }
    ]
}
```


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21 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.

- End Point Details

21.1 End Point Details

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

Table 21-1 End Point Details

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

- Request JSON Parameters
- Response JSON Parameters

21.1.1 Request JSON Parameters

Table 21-2 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"
```


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```
    }
}
```

21.1.2 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 21-3 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"
```


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```
                    }

                }
```


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22

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.

- End Point Details

22.1 End Point Details

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

Table 22-1 End Point Details

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

- Request JSON Parameters
- Response JSON Parameters

22.1.1 Request JSON Parameters

Table 22-2 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": {
```


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```
        "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_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 22-4 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": [
        {
```


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```
            "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"
        }
    ]
}
```


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23

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.

- End Point Details

23.1 End Point Details

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

Table 23-1 End Point Details

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

- Request JSON Parameters
- Response JSON Parameters

23.1.1 Request JSON Parameters

Table 23-2 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"
```


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```
    }
}
```

23.1.2 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 23-3 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"

                }


                 },
```


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```
                {
                    "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":""
                }
            ]
        }
```


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24

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.

- End Point Details

24.1 End Point Details

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

Table 24-1 End Point Details

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

- Request JSON Parameters
- Response JSON Parameters

24.1.1 Request JSON Parameters

Table 24-2 Request JSON Parameters

Name	Type	Required	Description
`objectIdList`	STRING	Yes	The list of object IDs.
`filter-activity 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"
```


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```
    }
}
```

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.
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 24-4 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",
```


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```
                    "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_172404832634011724049212118172404924987 2",
                    "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"
                  }
              }
              ]
                 }
             ]
        }
```


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25

Fetching all the Events of an Activity

This API helps fetch all the events of an activity.

- End Point Details

25.1 End Point Details

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

Table 25-1 End Point Details

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

- Request JSON Parameters
- Response JSON Parameters

25.1.1 Request JSON Parameters

Table 25-2 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"
```


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```
        }
    ]
}
```

25.1.2 Response JSON Parameters

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

Table 25-3 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"
                        }
                    ]
                }

        }
```


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26
Fetching all the PMF Dashboard Events

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

- End Point Details

26.1 End Point Details

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

Table 26-1 End Point Details

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

- Request JSON Parameters
- Response JSON Parameters

26.1.1 Request JSON Parameters

Table 26-2 Request JSON Parameters

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

Request JSON Sample

```
{
      "processInstanceIdList": [
         "DFCS_SYS_SCD_PROC_34327e31-20c8-31c5-1784-56e37f4409aa",
         "1697535489556_f66cf577-67f6-4307-9aad-450afcf18d13"
      ]
}
```

26.1.2 Response JSON Parameters

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

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Table 26-3 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.
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": "DFCS_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",
```


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```
                        "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":
"DFCS_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",
```


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```
                "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"
            }
        ]
    }
```


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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.

- End Point Details

27.1 End Point Details

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

Table 27-1 End Point Details

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

- Request JSON Parameters
- Response JSON Parameters

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"
       }
```


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```
    ]
}
```

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_0daade1f-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"
```


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```
                        },
                        {
                            "eventName": "RULE_PENDING",
                            "value": "0"
                        },
                        {
                            "eventName": "RULE_RUNNING",
                            "value": "0"
                        },
                        {
                            "eventName": "ERRONEOUS_RECORDS",
                            "value": "0"
                        }
                    ]
                }
            },
            {
                "objectId": "1716987996892",
                "processInstanceId":
"1715858557717_0daade1f-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"
                        }
                    ]
                }
            }
        ]
}
```


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28

Fetching all the PMF Dashboard Events Using Object ID

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

- End Point Details

28.1 End Point Details

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

Table 28-1 End Point Details

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

- Request JSON Parameters
- Response JSON Parameters

28.1.1 Request JSON Parameters

Table 28-2 Request JSON Parameters

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

Request JSON Sample

```
  {
        "objectIdList": [
           "DFCS_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.

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Table 28-3 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 28-4 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",
```


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```
                "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"
                                    }
                                ]
                            }
                        ]
                    }
                ]
            }
        ]
    }
```


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29

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.

- End Point Details

29.1 End Point Details

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

Table 29-1 End Point Details

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

- Request JSON Parameters
- Response JSON Parameters

29.1.1 Request JSON Parameters

Table 29-2 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": [
```


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```
            "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"
        ]
}
```

29.1.2 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 29-3 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 29-4 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.

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Table 29-4 (Cont.) Activity Info in Response

Name	Type	Description
endTime	STRING	End time of the activity.
duration	STRING	The duration of the activity execution.
eventTime	STRING	The time of the event occurrence.

Table 29-5 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": {}
                },
                {
```


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```
        "activityId": "JOB_1738309550043",
        "activityName": "JOB_1738309550043",
        "status": "FAILED",
        "component": "HIERARCHYRESAVE",
        "latestEvent": {
            "code": "HCY_RESAVE_RUNNING",
            "description": "HCY_RESAVE_RUNNING",
            "eventTime": "2025-01-31 07:57:42"
        },
        "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",
```


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```
                        "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": "DQGROUPS",
                        "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": "DQGROUPS",
                        "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": "DQGROUPS",
```


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```
            "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": "DQGROUPS",
            "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": "DQGROUPS",
            "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": "DQGROUPS",
            "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": {}
        },
        {
```


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```
            "activityId": "JOB_1722407731499",
            "activityName": "RUN DQ RULE",
            "status": "COMPLETED",
            "component": "DQGROUPS",
            "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": "DQGROUPS",
            "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": "DQGROUPS",
            "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": "DQGROUPS",
            "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",
```


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```
                        "duration": "04:26:35",
                        "metric": {}
                    },
                    {
                        "activityId": "JOB_17224076226863",
                        "activityName": "RUN DQ RULE",
                        "status": "COMPLETED",
                        "component": "DQGROUPS",
                        "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",
```


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```
"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": {}
    },
    {
```


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```
                        "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"
                        },
```


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```
                        "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": "-"
                        }
```


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```
                    },
                    {
                        "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": "DQGROUPS",
                        "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": "DQGROUPS",
                        "latestEvent": {
                            "code": "UNKNOWN_ERROR",
```


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```
                        "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": "DQGROUPS",
                    "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": {}
                }
            ]
        }
    ]
}
```


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30
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".
- End Point Details

30.1 End Point Details

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

Table 30-1 End Point Details

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

- Request JSON Parameters
- Response JSON Parameters

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.

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Table 30-2 (Cont.) Request JSON Parameters

Name	Type	Required	Description
objectIdList	STRING	Yes	The unique value that identifies the object instance.
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"
   }
}
```

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	STRING	RUNSKEY of the PMF process execution.
status	STRING	Status of the process execution.
runPurpose	STRING	The Value of the run purpose.

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Table 30-3 (Cont.) POST JSON Response

Name	Type	Description
runParameterNames	STRING	The parameters provided in the run execution.
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 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.
errorEvents	STRING	The error event of the activity.
error code	STRING	The error code of the run purpose.
error Description	STRING	The descriptiom 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 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 fetching activity error details.

Response JSON Sample

```
{    "processExecutionStatus": [
      {
      "processId": "1738309500653",
      "processCode": "1738309500653",
```


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```
      "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",
```


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```
        "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": [
```


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```
{
"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",
```


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```
      "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",
```


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```
"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"
},
"error": [
{
"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",
```


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```
     "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"
       }
        ]
```


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```
        }
         }
        ]
         },
       {
      "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"
     }
      ]
       }
   ]
  }
```


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31

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.

- End Point Details

31.1 End Point Details

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

Table 31-1 Request Headers Details

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

- Request JSON Parameters
- Response JSON Parameters

31.1.1 Request JSON Parameters

Table 31-2 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": [
```


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```
            {
                "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_reconcilation",
                "runName" : "ACS Reconcilation (Transient)",
                "locale" :"en-US"
            },
            {
                "runCode" : "dfcs_admin",
                "runName" : "DFCS 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" : "dfcs_platform",
                "runName" : "DFCS Platform",
                "locale" :"en-US"
            },
            {
                "runCode" : "mtm_end_day",
                "runName" : "MTM End Day",
                "locale" :"en-US"
            }
        ]
    }
```


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31.1.2 Response JSON Parameters

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

Table 31-3 POST JSON Response

Name	Type	Description
status	STRING	Status of the process execution. • Success: True • Failed: False
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."
}
```


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32

Run Purpose Get API to Get Run Purpose Details

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

- End Point details

32.1 End Point details

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

32.1.1 Response JSON Parameters

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

Table 32-1 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": [
```


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```
{
    "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",
```


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```
        "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_reconcilation",
        "runId": "1012367410370920",
        "createdBy": "aaiafcuser",
        "modifiedBy": "aaiafcuser",
        "createdDate": "2024-12-09 16:08:14",
        "modifiedDate": "2024-12-09 16:08:14",
        "isDeleted": "N",
        "runName": "ACS Reconcilation (Transient)"
    },
    {
        "runCode": "dfcs_admin",
        "runId": "1012367410385838",
        "createdBy": "aaiafcuser",
        "modifiedBy": "aaiafcuser",
        "createdDate": "2024-12-09 16:08:14",
        "modifiedDate": "2024-12-09 16:08:14",
        "isDeleted": "N",
        "runName": "DFCS 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)"
```


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```
},
{
    "runCode": "dfcs_platform",
    "runId": "1012367410429861",
    "createdBy": "aaiafcuser",
    "modifiedBy": "aaiafcuser",
    "createdDate": "2024-12-09 16:08:14",
    "modifiedDate": "2024-12-09 16:08:14",
    "isDeleted": "N",
    "runName": "DFCS 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",
```


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```
        "createdDate": "2024-12-09 16:08:19",
        "modifiedDate": "2024-12-09 16:08:19",
        "isDeleted": "N",
        "runName": "Fusion ERP Applications"
    },
    {
        "runCode": "acs_reconcilation",
        "runId": "1012372124565404",
        "createdBy": "aaiafcuser",
        "modifiedBy": "aaiafcuser",
        "createdDate": "2024-12-09 16:08:19",
        "modifiedDate": "2024-12-09 16:08:19",
        "isDeleted": "N",
        "runName": "ACS Reconcilation (Transient)"
    },
    {
        "runCode": "dfcs_admin",
        "runId": "1012372124580121",
        "createdBy": "aaiafcuser",
        "modifiedBy": "aaiafcuser",
        "createdDate": "2024-12-09 16:08:19",
        "modifiedDate": "2024-12-09 16:08:19",
        "isDeleted": "N",
        "runName": "DFCS 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": "dfcs_platform",
        "runId": "1012372124626259",
        "createdBy": "aaiafcuser",
        "modifiedBy": "aaiafcuser",
        "createdDate": "2024-12-09 16:08:19",
        "modifiedDate": "2024-12-09 16:08:19",
        "isDeleted": "N",
        "runName": "DFCS Platform"
    },
    {
```


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```
                    "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"
                }
            ]
        }
```


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33

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.

- End Point Details

33.1 End Point Details

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

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
`runskey`	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"] }
,
```


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

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


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34
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 34-1 Request Headers

Name	Type	Required	Example
ofs_tenant_id	STRING	Yes	r0e17y-prd

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Table 34-1 (Cont.) Request Headers

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

- Create Export Definition
- Invoke Export
- Get Status for Export
- Copy Export Definition
- Get Download URL for DMP file
- Create Import Definition
- Invoke Import
- Update Existing Import Outline Definition
- Get Status for Import
- Copy Import Definition

34.1 Create Export Definition

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

- End Point Details

34.1.1 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.

- Request JSON Parameters
- Response JSON Parameters

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34.1.1.1 Request JSON Parameters

Table 34-2 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.
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"

}

]


}
```


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34.1.1.2 Response JSON Parameters

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

Table 34-3 POST JSON Response

Name	Type	Description
migrationCode	STRING	Migration code of the object.
errorMessage	STRING	Details of the export process. 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 • Success • Failed

Table 34-4 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",
```


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

34.2 Invoke Export

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

- End Point Details

34.2.1 End Point Details

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

Table 34-5 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 charcters are alphanumeric, hyphen, and underscore. For example: "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.

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- **ofs_service_id** - Service ID of the Application.
- Response JSON Parameters

34.2.1.1 Response JSON Parameters

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

Table 34-6 POST JSON Response

Name	Type	Description
errorMessage	STRING	Details of the export process. For example: Export already completed.
statusCode	STRING	It indicates the status code of the service. For example: EXPORT_ALREADY_COMPLETE
status	STRING	Status of the migration: • Success • Failed • In Process

Table 34-7 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

{
```


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```
    "errorMessage": "Internal Server Error",

    "statusCode": "INTERNAL_ERROR",

    "status": "FAILED"

}
```

34.3 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.

- End Point Details

34.3.1 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 34-8 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: `"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.
- Response JSON Parameters

34.3.1.1 Response JSON Parameters

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

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Table 34-9 POST JSON Response

Name	Type	Description
errorMessage	STRING	Details of the export process. For example: Migration code does not exist
statusCode	STRING	It indicates the status code of the service. For example: INVALID_INPUT
status	STRING	Status of the migration • Success • Failed • In Process • Saved

Table 34-10 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"
}
```


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34.4 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.

- End Point Details

34.4.1 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.
- Request JSON Parameters
- Response JSON Parameters

34.4.1.1 Request JSON Parameters

Table 34-11 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 succesfully.

Request JSON Sample

```
{

"newMigrationCode":"ABCcopy"//new migration code
```


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```
"existingMigrationCode":"ABC"//existing migration code

}


}
```

34.4.1.2 Response JSON Parameters

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

Table 34-12 POST JSON Response

Name	Type	Description
migrationCode	STRING	Migration code of the object.
errorMessage	STRING	Details of the export process. 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 • Success • Failed

Table 34-13 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

{
```


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```
    ""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.

34.5 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.

- End Point Details

34.5.1 End Point Details

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

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Table 34-14 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: "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.
- Response JSON Parameters

34.5.1.1 Response JSON Parameters

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

Table 34-15 POST JSON Response

Name	Type	Description
fileName	STRING	The migration code embedded with .DMP extension. For Example: "TEST_BO_20230921_1234.DMP"
downloadURL	STRING	This can be fetched from the object store.
errorMessage	STRING	Details of the error occurred. For example: Migration code doesnt exists.
statusCode	STRING	It indicates the status code of the service. For example: FILE_URL_DOWNLOAD_SUCCESS
status	STRING	Status of the migration • Success • Failed

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Table 34-16 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",
```


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```
    "downloadURL": ""

    "fileName:":""

}
```

34.6 Create Import Definition

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

- End Point Details

34.6.1 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.
- Request JSON Parameters
- Response JSON Parameters

34.6.1.1 Request JSON Parameters

Table 34-17 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.

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Table 34-17 (Cont.) Request JSON Parameters

Name	Type	Required	Description
`fileName`	STRING	Yes if `dmpFileURL` is not present. The parameters `fileName` and `dmpFileURL` can be passed.	The file is fetched from Get Download URL API. The file name should consist of _BO_ in the name. By default, the file extension is .DMP. For Example: "TEST_BO_1234" or "test_BO_1234.DMP
`dmpFileURL`	STRING	Yes if `fileName` is not present. The parameters `fileName` and `dmpFileURL` can be passed.	For example: This can be fetched from the object store. • `dmpFileURL:` The file is saved in the Object Store with the same details as mentioned in `dmpFileURL.` • `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`. • Only File name: This is required when file was already uploaded and available in object store prior to importing. • If you want to provide a different file name, it must have _BO_ . The file name extension should be .DMP. All the objects in the DMP file will be imported.
`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.

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Table 34-17 (Cont.) Request JSON Parameters

Name	Type	Required	Description
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"


}
```

34.6.1.2 Response JSON Parameters

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

Table 34-18 POST JSON Response

Name	Type	Description
errorMessage	STRING	Details of the error occured. 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 • Success • Failed

Table 34-19 Possible Status Codes

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

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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

}
```

34.7 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.

- End Point Details

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34.7.1 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 34-20 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 charcters are alphanumeric, hyphen, and underscore. For example: `"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.
- Response JSON Parameters

34.7.1.1 Response JSON Parameters

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

Table 34-21 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

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Table 34-21 (Cont.) POST JSON Response

Name	Type	Description
status	STRING	Status of the migration: • Success • Failed • In Process

Table 34-22 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"

}
```

34.8 Update Existing Import Outline Definition

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

- End Point Details

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34.8.1 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.
- Request JSON Parameters
- Response JSON Parameters

34.8.1.1 Request JSON Parameters

Table 34-23 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"
```


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```
"failOnErrorOptions":"Y"

"overWriteOptions":"N"


}
```

34.8.1.2 Response JSON Parameters

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

Table 34-24 POST JSON Response

Name	Type	Description
errorMessage	STRING	Details of the error occured. For example: Migration code not received in input request.
statusCode	STRING	It indicates the status code of the service. For example: INVALID_INPUT
status	STRING	Status of the migration • Success • Failed

Table 34-25 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"
```


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```
    "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

}
```

34.9 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.

- End Point Details

34.9.1 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 34-26 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`.

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- **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.
- Response JSON Parameters

34.9.1.1 Response JSON Parameters

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

Table 34-27 POST JSON Response

Name	Type	Description
`errorMessage`	STRING	Details of the import process. For example:Invalid migration code or code doesnt exists.
`statusCode`	STRING	It indicates the status code of the service. For example: INVALID_INPUT
`status`	STRING	Status of the migration • Success • Failed • In Process • Saved

Table 34-28 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
```


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

}
```

34.10 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.

- End Point Details

34.10.1 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.
- Request JSON Parameters
- Response JSON Parameters

34.10.1.1 Request JSON Parameters

Table 34-29 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 succesfully.

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Table 34-29 (Cont.) Request JSON Parameters

Name	Type	Required	Description
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"

}
```

34.10.1.2 Response JSON Parameters

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

Table 34-30 POST JSON Response

Name	Type	Description
errorMessage	STRING	Details of the error occured. For example: Existing Migration code not received in the input request.
statusCode	STRING	It indicates the status code of the service. For example: INVALID_INPUT
status	STRING	Status of the migration • Success • Failed

Table 34-31 Possible Status Codes

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

Response JSON Sample

```
Success:200

{
```


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```
    "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.

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35
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 35-1 Request Headers

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

- Register Email Notification for a Process
- Register Email Notification for a Package
- Get the List of Email Registrations
- Enable/Disable the Notification Emails

35.1 Register Email Notification for a Process

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

- End Point Details

35.1.1 End Point Details

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

- Request JSON Parameters
- Response JSON Parameters

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35.1.1.1 Request JSON Parameters

Table 35-2 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"
    ]

}
```

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
message	STRING	Details of the error/success.
statusCode	STRING	It indicates the status code of the service.
status	STRING	Status of the registration: • false • true

Table 35-4 Possible Status Codes

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

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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 requset 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
 }
```


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35.2 Register Email Notification for a Package

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

- End Point Details

35.2.1 End Point Details

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

35.2.1.1 Request JSON Parameters

Table 35-5 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"
    ]

}
```

35.2.1.2 Response JSON Parameters

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

Table 35-6 POST JSON Response

Name	Type	Description
message	STRING	Details of the error/success.

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Table 35-6 (Cont.) POST JSON Response

Name	Type	Description
statusCode	STRING	It indicates the status code of the service.
status	STRING	Status of the registration • false • true

Table 35-7 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 requset 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 registerd for email notification for given
process - Status code : 400
            user: {
                        "message": "Email registration failed : user
[appuser, dummyuser] registered already ",
```


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```
                        "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
 }
```

35.3 Get the List of Email Registrations

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

- End Point Details

35.3.1 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
- Response JSON Parameters

35.3.1.1 Response JSON Parameters

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

Table 35-8 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. • false • true

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Table 35-9 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",
```


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```
                "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!",
```


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```
    "status": false
}

Status Code : 401

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

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

35.4 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.

- End Point Details

35.4.1 End Point Details

- **Method** – PUT
- **REST Endpoint** - pmf-crud/rest-api/v1/PMFService/email/toggleemailservice
- **Content-Type** - Application/Json
- Request JSON Parameters
- Response JSON Parameters

35.4.1.1 Request JSON Parameters

Table 35-10 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",
```


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```
    "isEmailRequiredForCompletedStatus":"Y"
}
```

35.4.1.2 Response JSON Parameters

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

Table 35-11 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 • false • true

Table 35-12 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 devsuser 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
```


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```
        }

        {
            "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
    }
```


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