

Oracle Financial Services

AFCS API



Release 26C
G58982-01
August 2026

ORACLE®

Oracle Financial Services AFCS API, Release 26C

G58982-01

Copyright © 2022, 2026, Oracle and/or its affiliates.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this is software, software documentation, data (as defined in the Federal Acquisition Regulation), or related documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, then the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs (including any operating system, integrated software, any programs embedded, installed, or activated on delivered hardware, and modifications of such programs) and Oracle computer documentation or other Oracle data delivered to or accessed by U.S. Government end users are "commercial computer software," "commercial computer software documentation," or "limited rights data" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, the use, reproduction, duplication, release, display, disclosure, modification, preparation of derivative works, and/or adaptation of i) Oracle programs (including any operating system, integrated software, any programs embedded, installed, or activated on delivered hardware, and modifications of such programs), ii) Oracle computer documentation and/or iii) other Oracle data, is subject to the rights and limitations specified in the license contained in the applicable contract. The terms governing the U.S. Government's use of Oracle cloud services are defined by the applicable contract for such services. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

Oracle®, Java, MySQL, and NetSuite are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Inside are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Epyc, and the AMD logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

This software or hardware and documentation may provide access to or information about content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services unless otherwise set forth in an applicable agreement between you and Oracle. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services, except as set forth in an applicable agreement between you and Oracle.

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

Oracle customer access to and use of Oracle support services will be pursuant to the terms and conditions specified in their Oracle order for the applicable services.

Contents

1	Revision History	
2	Get Help	
2.1	Access Help Content	1
2.1.1	Watch Video	1
2.1.2	Additional Resources	1
2.2	Learn About Accessibility	1
2.3	Get Support	1
2.4	Get Training	2
2.5	Join Our Community	2
2.6	Share Your Feedback	2
3	About the REST APIs	
4	Getting Started	
4.1	Prerequisites	1
4.1.1	Obtain Account Information	1
4.2	Authentication Methods for Token Generation	1
4.2.1	Create an Integrated (Confidential) Application	2
4.2.2	Get the OAuth Client ID and Client Secret	4
4.2.3	Generate Access Token Using Different Grant Types	4
4.2.3.1	Client Credentials Grant Type	5
4.2.3.2	Authorization Code Grant Type	5
4.2.3.3	Resource Owner Password Credentials Grant Type	6
4.2.3.4	TLS Client Authentication Grant Type	7
4.2.3.5	Refresh Token Grant Type	7
4.2.4	Generate Access Token using TLS to execute a public RESTful API_AFCS	8
4.3	Supported Methods	11
4.3.1	Media Types	11
4.4	Supported Headers	11

5 Mandatory Authentication to be performed before calling any API

6 Generating PAR URL for File Operations

6.1	Generating PAR URL for File Upload	1
6.1.1	End Point Details	1
6.1.1.1	Request JSON Parameters	1
6.1.1.2	Response JSON Parameters	2
6.2	Generating PAR URL For File Download	4
6.2.1	End Point Details	4
6.2.1.1	Request JSON Parameters	4
6.2.1.2	Response JSON Parameters	5

7 Initiating a PMF Process

7.1	End Point Details	1
7.1.1	Request JSON Parameters	1
7.1.2	Response JSON Parameters	3

8 Initiating a PMF Process Using Object ID

8.1	End Point Details	1
8.1.1	Request JSON Parameters	1
8.1.2	Response JSON Parameters	4

9 Viewing Ingested Data

9.1	Prerequisites	1
9.2	Get Metadata Keys	1
9.2.1	End Point Details	1
9.2.1.1	Request JSON Parameters	1
9.2.1.2	Response JSON Parameters	1
9.3	Retrieve Data Using the Metadata Keys	3
9.3.1	End Point Details	3
9.3.1.1	Request JSON Parameters	4
9.3.1.2	Response JSON Parameters	4

10	Abort PMF Execution Process	
10.1	End Point Details	1
10.1.1	Request JSON Parameters	1
10.1.2	Response JSON Parameters	2
11	Abort PMF Execution Process Using Object ID	
11.1	End Point Details	1
11.1.1	Request JSON Parameters	1
11.1.2	Response JSON Parameters	2
12	Resume PMF Execution Process	
12.1	End Point Details	1
12.1.1	Request JSON Parameters	1
12.1.2	Response JSON Parameters	2
13	Resume PMF Execution Process Using Object ID	
13.1	End Point Details	1
13.1.1	Request JSON Parameters	1
13.1.2	Response JSON Parameters	2
14	Rerun PMF Execution Process	
14.1	End Point Details	1
14.1.1	Request JSON Parameters	1
14.1.2	Response JSON Parameters	2
15	Rerun PMF Execution Process Using Object ID	
15.1	End Point Details	1
15.1.1	Request JSON Parameters	1
15.1.2	Response JSON Parameters	2
16	Fetching the PMF Execution status	
16.1	End Point Details	1
16.1.1	Request JSON Parameters	1
16.1.2	Response JSON Parameters	2

17	Fetching the PMF Execution Status Using Object ID	
17.1	End Point Details	1
17.1.1	Request JSON Parameters	1
17.1.2	Response JSON Parameters	2
18	Searching a File	
18.1	End Point Details	1
18.1.1	Request JSON Parameters	1
18.1.2	Response JSON Parameters	2
19	Fetching Running Instances for a PMF Process	
19.1	End Point Details	1
19.1.1	Request JSON Parameters	1
19.1.2	Response JSON Parameters	1
20	Fetching the Process Execution Details	
20.1	End Point Details	1
20.1.1	Request JSON Parameters	1
20.1.2	Response JSON Parameters	1
21	Fetching the Process Execution Details Using Object ID	
21.1	End Point Details	1
21.1.1	Request JSON Parameters	1
21.1.2	Response JSON Parameters	1
22	Fetching the PMF Dashboard Process Status	
22.1	End Point Details	1
22.1.1	Request JSON Parameters	1
22.1.2	Response JSON Parameters	2
23	Fetching the PMF Dashboard Process Status Using Object ID	
23.1	End Point Details	1
23.1.1	Request JSON Parameters	1
23.1.2	Response JSON Parameters	2

24	Fetching the PMF Dashboard Activities	
24.1	End Point Details	1
24.1.1	Request JSON Parameters	1
24.1.2	Response JSON Parameters	2
25	Fetching the PMF Dashboard Activities Using Object ID	
25.1	End Point Details	1
25.1.1	Request JSON Parameters	1
25.1.2	Response JSON Parameters	2
26	Fetching all the Events of an Activity	
26.1	End Point Details	1
26.1.1	Request JSON Parameters	1
26.1.2	Response JSON Parameters	2
27	Fetching all the Events of an Activity Using Object ID	
27.1	End Point Details	1
27.1.1	Request JSON Parameters	1
27.1.2	Response JSON Parameters	1
28	Fetching all the PMF Dashboard Events	
28.1	End Point Details	1
28.1.1	Request JSON Parameters	1
28.1.2	Response JSON Parameters	1
29	Fetching all the PMF Dashboard Events Using Object ID	
29.1	End Point Details	1
29.1.1	Request JSON Parameters	1
29.1.2	Response JSON Parameters	1
30	Fetching the PMF Dashboard Status Report	
30.1	End Point Details	1
30.1.1	Request JSON Parameters	1
30.1.2	Response JSON Parameters	2

31	Fetching the PMF Dashboard Error Report	
31.1	End Point Details	1
31.1.1	Request JSON Parameters	1
31.1.2	Response JSON Parameters	2
32	Run Purpose Post API to Insert a New Run Purpose	
32.1	End Point Details	1
32.1.1	Request JSON Parameters	1
32.1.2	Response JSON Parameters	2
33	Run Purpose Get API to Get Run Purpose Details	
33.1	End Point details	1
33.1.1	Response JSON Parameters	1
34	Fetching details of Data Quality that are breaching the Threshold Limit	
34.1	End Point Details	1
34.1.1	Response JSON Parameters	1
35	Object Migration APIs	
35.1	Create Export Definition	2
35.1.1	End Point Details	2
35.1.1.1	Request JSON Parameters	2
35.1.1.2	Response JSON Parameters	3
35.2	Invoke Export	5
35.2.1	End Point Details	5
35.2.1.1	Response JSON Parameters	5
35.3	Get Status for Export	7
35.3.1	End Point Details	7
35.3.1.1	Response JSON Parameters	7
35.4	Copy Export Definition	8
35.4.1	End Point Details	9
35.4.1.1	Request JSON Parameters	9
35.4.1.2	Response JSON Parameters	9
35.5	Get Download URL for DMP file	11
35.5.1	End Point Details	11
35.5.1.1	Response JSON Parameters	12
35.6	Create Import Definition	13
35.6.1	End Point Details	13

35.6.1.1	Request JSON Parameters	14
35.6.1.2	Response JSON Parameters	16
35.7	Invoke Import	17
35.7.1	End Point Details	17
35.7.1.1	Response JSON Parameters	18
35.8	Update Existing Import Outline Definition	19
35.8.1	End Point Details	19
35.8.1.1	Request JSON Parameters	20
35.8.1.2	Response JSON Parameters	20
35.9	Get Status for Import	22
35.9.1	End Point Details	22
35.9.1.1	Response JSON Parameters	22
35.10	Copy Import Definition	23
35.10.1	End Point Details	24
35.10.1.1	Request JSON Parameters	24
35.10.1.2	Response JSON Parameters	25
35.11	Get Object Codes for Object Type	26
35.11.1	End Point Details	26
35.11.1.1	Response JSON Parameters	27

36 Email Notification APIs

36.1	Register Email Notification for a Process	1
36.1.1	End Point Details	1
36.1.1.1	Request JSON Parameters	1
36.1.1.2	Response JSON Parameters	2
36.2	Register Email Notification for a Package	3
36.2.1	End Point Details	3
36.2.1.1	Request JSON Parameters	4
36.2.1.2	Response JSON Parameters	4
36.3	Get the List of Email Registrations	6
36.3.1	End Point Details	6
36.3.1.1	Response JSON Parameters	6
36.4	Enable/Disable the Notification Emails	8
36.4.1	End Point Details	8
36.4.1.1	Request JSON Parameters	9
36.4.1.2	Response JSON Parameters	9

37 Retrieving ERP ESS Job Details

37.1	End Point Details	1
37.1.1	Calling the API to fetch the Process Status	1

38 Token Based Authentication of ERP

38.1	End Point Details	1
38.1.1	Request JSON Parameters	1
38.1.2	Response JSON Parameters	2

39 Retrieving BI Publisher Export File from Object Storage

39.1	End Point Details	1
39.2	Request JSON Parameters	1
39.3	Response JSON Parameters	2
39.4	Error Handling/Validation	3
39.5	Detailed Documentation	3

40 Incremental AOM Parameter

40.1	End Point Details	1
40.1.1	Response JSON Parameters	2

41 Execute or Rerun Process By Overriding Singleton Check

41.1	End Point Details	1
41.1.1	Request JSON Parameters	1
41.1.2	Response JSON Parameters	2

Index

1

Revision History

Table 1-1 Document Control

Release and Version Number	Revision Date	Change Log
R26C, V1.0	August 2026	Documented the Incremental AOM Parameter Process section and Execute or Rerun Process by Overriding Singleton Check
R26B, V1.0	May 2026	Created the first version for 26B release.
R26A, V1.0	February 2026	Updated the details in Authentication Methods for Token Generation section.
R25D, V1.0	November 2025	Updated the following: • Initiating a PMF Process • Fetching the PMF Execution Status Using Object ID
R25C, V1.0	August 2025	Created the first version for 25C release.
R 25B, V1.0	July 2025	Documented the Get Object Codes for Object Type section.
R 25.3.5, V1.0	May 2025	Documented the Generating the PAR URL for Scheduled BI Publisher Report section.
R 25A, V 1.0	March 2025	Documented the following: • Fetching the PMF Dashboard Status Report • Fetching the PMF Dashboard Error Report

2

Get Help

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

2.1 Access Help Content

Use the Help icon



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

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

2.1.1 Watch Video



[Watch](#): This video tutorial shows you how to find and use help.

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

2.1.2 Additional Resources

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

2.2 Learn About Accessibility

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

2.3 Get Support

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

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

2.4 Get Training

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

2.5 Join Our Community

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

2.6 Share Your Feedback

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

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

Thanks for helping us improve our user assistance!

3

About the REST APIs

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

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

Resources are organized in a Hierarchical Structure that enables:

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

4

Getting Started

4.1 Prerequisites

- Access to the Accounting Foundation Cloud Service.
Before accessing PMF services, ensure that you have the following access rights:

- **WFCRUD_EXT** - to access Workflow CRUD API
- **WFEXEC_EXT** - to access Workflow Execute API
- **WFREAD_EXT** - to access Workflow Read 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/`

4.1.1 Obtain Account Information

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

4.2 Authentication Methods for Token Generation

An authenticated bearer token is required to invoke an API. The Authentication Process for token generation utilizes cURL Commands to generate the access token and invoke REST APIs.

The Authentication Token is generated through the OAuth Client ID and Secret Credentials. The Authentication Token does not require that you log in to the required Cloud Service to invoke the REST APIs from external applications.

Ensure that you have the appropriate log-in credentials to access the required Cloud Service and the appropriate roles to perform specific operations using the API Resources. Below is a list of authentication steps, with subsequent sections offering detailed information:

1. [Create an Integrated \(Confidential\) Application](#)
2. [Get the OAuth Client ID and Client Secret](#)
3. [Generate the access token](#)

After generating an access token, proceed to invoking the APIs.

4.2.1 Create an Integrated (Confidential) Application

You can create an Integrated (Confidential) Application in Oracle Identity / IDCS (OCI IAM) to generate OAuth tokens for making public API calls.

Prerequisites

1. Administrative access to your OCI Identity Domain / IDCS console.
2. Appropriate tenancy/domain selected in the Console.
3. If enabling TLS Client Authentication, private key and certificates are required.

OPC Applications Overview

An OPC app is a pre-created application that's provisioned automatically. The app name uses the following format: the cloud service name followed by your tenant ID. Example: AFCS bccb73-prd.

To view your available OPC apps:

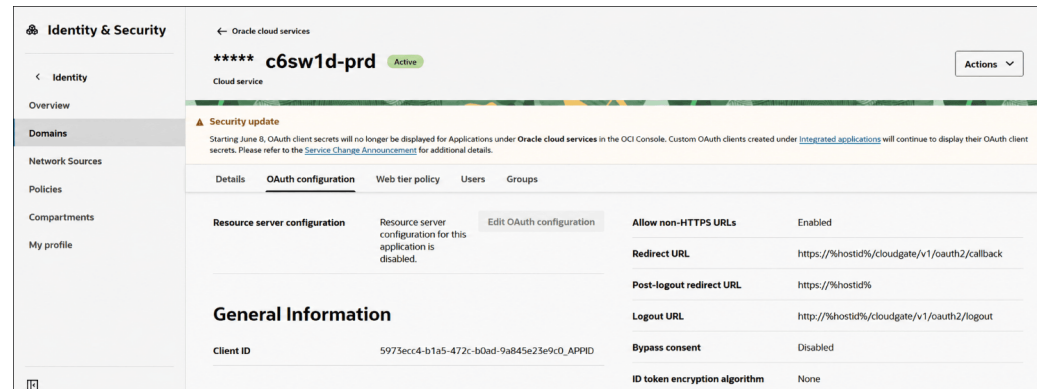
1. In the OCI Console, select Domains from the menu on the left.
2. Open the Oracle Cloud Services tab.
3. Review the list to see all OPC apps available to you.

Currently, Oracle Public Cloud (OPC) app client credentials are used to generate OAuth token and make public API calls. It is recommended to use Integrated App instead of OPC app for token generation, and maps grant types to typical use cases (service-to-service vs user-role tokens).

Perform the following steps to create an integrated application

1. Sign in to the Oracle Cloud Console and go to Identity -> Identity Domains.
2. Select the domain where you want to create the application.
3. On the domain details page, choose 'Integrated Applications'.
4. Click 'Add Application' and select 'Confidential Application'.
5. Click 'Launch workflow'.
6. Provide application details such as Name, Description, and Application URL (Redirect URL) if required
 - Application name: You can use the Tenant ID as your application name.
 - Redirect URL. Example: `https://%hostid%/cloudgate/v1/oauth2/callback`

Figure 4-1 Integrated application



7. Click **Submit**. The integrated application is created now.
8. Click the **OAuth configuration** tab.
9. Select 'Configure this application as a client now'.
10. Under Grant Types, at minimum enable:
 - Client Credentials
 - Authorization Code
 - Resource Owner

Note

Enable **Allow Non-HTTPS URLs**.

- Optionally, enable:
 - a. Refresh Token (to obtain refresh tokens alongside access tokens).
 - b. TLS Client Authentication (for certificate-based client auth).
- 11. Complete the workflow and select **Finish**. The application is added in a deactivated state.
- 12. In the 'Application added' dialog, record the Client ID and Client Secret. Store these securely (Example: Vault).
- 13. On the application details page, click 'Activate' and confirm activation.
- 14. Post activation: If enabling TLS Client Authentication, import and register client certificate and key. For more information, see [Generate Access Token to Execute a Public RESTful API](#).

Note:

- Client Credentials, Authorization Code and Resource Owner are default/commonly required grant types. You can enable other grants as needed.
- To support renewing access tokens, enable the Refresh Token grant type.
- Optionally, enable TLS Client Authentication for certificate-based client authentication.

For more details, see [Adding a Confidential Application](#).

4.2.2 Get the OAuth Client ID and Client Secret

An OAuth Client ID and Client secret are required to generate an access token.

You can obtain the OAuth client ID and client secret from:

1. **Integrated application (recommended):** Obtain the Client ID and Client Secret from the [newly created Integrated \(Confidential\) Application](#).
2. **Oracle Public Cloud (OPC) application (will be deprecated in a future release):** From the **Oracle cloud services** tab in your OCI Console, open your tenant-specific application and obtain the client ID and client secret.

Once you obtain the client ID and client secret, proceed to generate the access token.

4.2.3 Generate Access Token Using Different Grant Types

An access token is required to invoke APIs and you can generate the access token using different grant types.

The following are the various grant types:

1. Client Credentials Grant Type
2. Authorization Code Grant Type
3. Resource Owner Password Credentials Grant Type
4. TLS Client Authentication Grant Type
5. Refresh Token Grant Type

Prerequisite: Organization-wide `ca.crt`, `client.crt`, and `client.key` (you can generate `client.crt` and `client.key` using `openssl`.)

Obtaining the IDCS Secure Domain URL

An IDCS secure domain URL is the web address used to access Oracle Identity Cloud Service (IDCS) over a secure HTTPS connection.

To obtain the IDCS secure domain URL:

1. Sign in to the Oracle Cloud Console and go to **Identity -> Identity Domains**.
2. From the **Details** tab, copy the Domain URL.
3. Append `/.well-known/idcs-configuration` after the URL.
Example: `<idcs_domain_URL>/.well-known/idcs-configuration`
4. Search for `secure_token_endpoint` to get the IDCS secure domain URL

Obtaining a ca.crt file

The following procedure uses FireFox as the web browser.

1. Obtain your secure IDCS URL.
2. Open Firefox and enter the URL in the address bar, then press **Enter**.
3. Click the padlock icon to the left of the URL in the address bar.
4. Select **Connection secure** (or similar option) and then click **More Information**.
5. In the window that opens, select the **Security** tab and click **View Certificate**.

- Under the **Miscellaneous** section, download either the **PEM (cert)** or **PEM (chain)** file as needed.

4.2.3.1 Client Credentials Grant Type

When to use: For non-interactive backend services or internal automation tasks.

Sample code

```
curl --location 'https://<idcs_domain_url>/oauth2/v1/token' --header
"Authorization: Basic $encoded" --header 'Content-Type: application/x-www-
form-urlencoded;charset=UTF-8' --data-urlencode
'grant_type=client_credentials' --data-urlencode
'scope=<scope_value>%20urn:opc:resource:expiry=3600'
```

Sample code with mTLS enabled

```
curl --location 'https://<idcs_secure_domain_url>/oauth2/v1/token' --cacert ./
ca.crt --cert ./client.crt --key ./client.key --header "Authorization:
Basic $encoded" --header 'Content-Type: application/x-www-form-
urlencoded;charset=UTF-8' --data-urlencode 'grant_type=client_credentials' --
data-urlencode 'scope=<scope_value>%20urn:opc:resource:expiry=3600'
```

Sample response

```
{ "access_token": "eyJhbGciOiJSUzI1NiIsInR5cCI6IkpXVCJ9...", "token_type":
"Bearer", "expires_in": 3600, }
```

For more details, see [Client Credentials Grant Type](#)

4.2.3.2 Authorization Code Grant Type

When to use: For web or client apps that require secure user login flow with redirect.

Note

- Provides user identity and roles via id_token.
- Both access and refresh tokens are issued.
- Ideal for user-based API calls or delegated permissions.

Sample code

```
curl --location 'https://<idcs_domain_url>/oauth2/v1/token' --header
"Authorization: Basic $encoded" --header 'Content-Type: application/x-www-
form-urlencoded;charset=UTF-8' --data-urlencode
'grant_type=authorization_code' --data-urlencode 'code=
eyJ4NXQjUzI1NiI6InlMTk16d1FuamZFNFx5U2...'
```

Sample code with mTLS enabled

```
curl --location 'https://<idcs_secure_domain>/oauth2/v1/token' --cacert ./ca.crt --cert ./client.crt --key ./client.key --header "Authorization: Basic $encoded" --header 'Content-Type: application/x-www-form-urlencoded; charset=UTF-8' --data-urlencode 'grant_type= authorization_code' --data-urlencode 'code= eyJ4NXQjUzI1NiI6InlMTk16d1FuamZFNXp5U2...'
```

Sample response

```
{ "access_token": "eyJraWQiOiJrZXkxIiwiaWYwbnIjoIUMyNTYifQ...", "refresh_token": "bc12cde3-xxxx-xxxx-xxxx-xxxx", "token_type": "Bearer", "expires_in": 3600, }
```

For more details, see [Authorization Code Grant Type](#).

4.2.3.3 Resource Owner Password Credentials Grant Type

When to use: When user credentials are available, and the client is trusted to store them securely.

Note

- Returns access tokens. Refresh token will be generated by enabling `offline_access`.
- Suitable for generating user-level tokens tied to roles.

Sample code

```
curl --location 'https://<idcs_domain_url>/oauth2/v1/token' --header "Authorization: Basic $encoded" --header 'Content-Type: application/x-www-form-urlencoded' --data-urlencode 'grant_type=password' --data-urlencode 'username=dev-user' --data-urlencode 'password=xxxxxxxx' --data-urlencode 'scope=<scope_value>%20urn:opc:resource:expiry=3600%20offline_access'
```

Sample code with mTLS enabled

```
curl --location 'https://<idcs_domain_url>/oauth2/v1/token' --cacert ./ca.crt --cert ./client.crt --key ./client.key --header "Authorization: Basic $encoded" --header 'Content-Type: application/x-www-form-urlencoded' --data-urlencode 'grant_type=password' --data-urlencode 'username=dev-user' --data-urlencode 'password=xxxxxxxx' --data-urlencode 'scope=<scope_value>%20urn:opc:resource:expiry=3600%20offline_access'
```

Sample response

```
{ "access_token": "eyJraWQiOiJrZXkxIiwiaWYwbnIjoIUMyNTYifQ...", "refresh_token": "bc12cde3-xxxx-xxxx-xxxx-xxxx", "token_type": "Bearer", "expires_in": 3600, }
```

For more details, see [Resource Owner Password Credentials Grant Type](#).

4.2.3.4 TLS Client Authentication Grant Type

When to use: For high-security backend integrations using mutual TLS.

Note

- Access token represents the application, not a user.
- Refresh token returned only if `offline_access` is enabled in app configuration.

Sample code with mTLS enabled

```
curl --location 'https://<idcs_secure_domain_url>/oauth2/v1/token' --cacert ./ca.crt --cert ./client.crt --key ./client.key --header "Authorization: Basic $encoded" --header 'Content-Type: application/x-www-form-urlencoded; charset=UTF-8' --data-urlencode 'grant_type=tls_client_auth' --data-urlencode 'scope=<scope_value>%20urn:opc:resource:expiry=3600' --data-urlencode 'client_id=<client_id>'
```

Sample response

```
{ "access_token": "eyJhbGciOiJIUzI1NiIsInR5cCI6I..", "token_type": "Bearer",
"expires_in": 3600, "refresh_token": "9e7d8f4a-xxxx-xxxx-xxxx-xxxx", }
```

For more details, see [TLS Client Authentication Grant Type](#).

4.2.3.5 Refresh Token Grant Type

When to use: To obtain a new access token without requiring user login.

Note

- New tokens issued without user intervention.
- Ideal for maintaining long-running sessions securely.
- Refresh token validity is managed by IDCS configuration.

Sample code

```
curl --location 'https://<idcs_domain_url>/oauth2/v1/token' --header
'Content-Type: application/x-www-form-urlencoded' --data-urlencode
'grant_type=refresh_token' --data-urlencode 'refresh_token=9b53e4a2-xxxx-xxxx-
xxxx-xxxx' --data-urlencode
'scope=<scope value>%20urn:opc:resource:expiry=3600'
```

Sample code with mTLS

```
curl --location 'https://<idcs_secure_domain_url>/oauth2/v1/token' --cacert ./ca.crt --cert ./client.crt --key ./client.key --header "Authorization: Basic $encoded" --header 'Content-Type: application/x-www-
```

```
form-urlencoded; charset=UTF-8' --data-urlencode 'grant_type=refresh_token' --data-urlencode 'refresh_token=9b53e4a2-xxxx-xxxx-xxxx-xxxx' --data-urlencode 'scope=<scope_value>%20urn:opc:resource:expiry=3600'
```

Sample response

```
{ "access_token": "eyJrawQiOiJrZXkxIiwiaWwiYXNjoiUlMyNTYifQ...", "refresh_token": "9b53e4a2-xxxx-xxxx-xxxx-xxxx", "token_type": "Bearer", "expires_in": 3600, }
```

For more details, see [Refresh Token Grant Type](#).

4.2.4 Generate Access Token using TLS to execute a public RESTful API_AFCS

You can generate access token using TLS to execute a public RESTful API.

Prerequisite: Organization-wide `ca.crt`, `client.crt`, and `client.key` (you can generate `client.crt` and `client.key` using `openssl`.)

Create a `client.crt` using `openssl`

Run the following command:

```
openssl req -x509 -new -nodes -key ca.key -sha256 -days 3650 -out ca.crt
```

Create a `client.key` using `openssl`

Run the following command:

```
openssl genrsa -out client.key 2048
```

Create an Integrated Application

Note

If you have already completed this task, skip this section and proceed to the next task.

1. Log in to Admin Console.
2. Under **Domains**, go to **Integrated Applications**.
3. Create a confidential application with an app name. Example: `TLS_APP_<tenant>`.
4. After creating the application, edit the OAuth configuration as follows:
 - a. Under the Client configuration, Select "Configure this application as a client now"
 - b. Enable the below Auth grant types(TLS should be checked for TLS authorization)
 - c. Enable Allow non-HTTPS URLs
 - d. Add the redirect URL: `http://%hostid%/cloudgate/v1/oauth2/callback`
 - e. Add the Logout URL: `http://%hostid%/cloudgate/v1/oauth2/logout`
 - f. Set the client type as "Confidential"
 - g. Under **Certificate file**, import the `client.crt` generated earlier.

- h. Click **Submit**.
5. Import the following Webtier policy:

```
{
  "cloudgatePolicy": {
    "version": "2.6",
    "requireSecureCookies": true,
    "disableAuthorize": false,
    "allowCors": true,
    "webtierPolicy": [
      {
        "policyName": "default",
        "comment": "",
        "resourceFilters": [
          {
            "filter": "/*.*",
            "comment": "Protect all resources",
            "type": "regex",
            "method": "oauth",
            "headers": [
              {
                "user_groups": "$subject.user.groups"
              },
              {
                "ofs_remote_user": "$subject.user.userName"
              },
              {
                "ofs_remote_username": "$subject.user.name"
              },
              {
                "ofs_mapped_groups": "$subject.user.groups"
              },
              {
                "ofs_remote_user_email":
                  "$subject.user.emails"
              }
            ],
            "authorize": false
          }
        ]
      }
    ]
  }
}
```

6. Activate the application.

Creating custom scopes for the Integrated Application (Optional)

After creating the Integrated Application, edit the OAuth configuration as follows:

1. Under Resource Server Configuration, select "Configure this application as a resource server now".
2. Set the access token expiration.
3. Set the primary audience.

4. Under the **Scopes**, click **Add**.
5. Under **Add Scope**, provide the following details:
 - a. Scope: `urn:app:tls.test` **Note:** Should begin with urn and delimited by ":"(colon)).
 - b. Display name: Custom scope.
 - c. Click **Add**.
6. Click **Submit**.

Set up Postman to get the TLS token

1. Get the IDCS Host URL from the domain.
2. Click on the URL to get the IDCS configuration details.
Example: `https://idcs-8523776c08804de1b5613af6d662f94e.identity.oraclecloud.com:443/.well-known/idcs-configuration`
3. Search for "secure_token_endpoint" to get the secure token endpoint.
Example: `https://idcs-8523776c08804de1b5613af6d662f94e.us-ashburn-idcs-1.secure.identity.oraclecloud.com/oauth2/v1/token`
4. In the Postman, paste the `secure_token_endpoint` in the address bar as follows:
 - a. Method: POST
 - b. Body:
 - i. `grant_type: tls_client_auth`
 - ii. `scope: urn:opc:idm:__myscopes__` # if the custom scope is required, the change the scope to `<primary_audience><new_scope>`
 - iii. `client_id: caf14860726e48a18b76b80704987285` #(Client ID from the above generated app)
 - c. Content-type: `x-www-form-urlencoded` as header.
 - d. For custom scope, provide the details as follows:
 - i. `grant_type: tls_client_auth`
 - ii. `scope: urn:app:tls.auth.test`
 - iii. `client_id: ecccdd63304a4483a9f2bb8e1fdfe45a`
5. Click on postman settings and navigate to certificates tab.
6. Enable the CA certificates and upload the `ca.crt` under the PEM file
7. Click **Add Certificate**.
8. Paste the IDCS host URL of the `secure_token_endpoint` under the Host column
9. Upload the cert and key file downloaded from openSSL.
10. Click the **Add** button to add the certificates and close the dialog box.
11. Select **No Auth** for Authorization.
12. Click the **Send** button to get the token,

Send the request via postman with TLS token and client.crt

1. Paste the endpoint in the address bar with appropriate method type.

2. On the **Authorization** tab, select Auth type as "Bearer token" and paste the token generated.
3. In **Headers** column, set the header as X-Forwarded-Tls-Client-Cert :
<url_encoded_client_cert>
 - a. Only encode the cert part excluding the --Begin – and – end – from the certificate.
 - b. For the cert url, encode - <https://www.urlencoder.org/>
4. Click **Send** for the response.

Invoke the API through the Access Token using TLS

To invoke the API through the generated Access Token using TLS, refer to the following example executed using cURL Commands in the CLI Tool:

4.3 Supported Methods

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

4.3.1 Media Types

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

- application/json

4.4 Supported Headers

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

Table 4-1 Table: Supported Headers

Headers	Description	Example
Content-Type	The media type of the body of the request. Required for POST and PUT requests, and the supported types vary with each endpoint.	Content-Type: application/json
Accept	The media type of the body of the response.	Accept: application/json

4.5 Status Code

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

Table 4-2 Status Code

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

Table 4-2 (Cont.) Status Code

HTTP Status Code	Description
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.
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.

5

Mandatory Authentication to be performed before calling any API

To call the API, follow these steps:

1. Open a relevant tool. For example: Postman, Command Prompt, and so on.
2. Copy only the Authorization Token that you got from the [Authentication](#) Request.
3. Go to Header, and enter KEY as an **Authentication** and Description as a bearer (Authorization Token/ Refresh Token) <eyJ4NXQjUzI1NiI6Ikk3cWxndm1Ka1...>.
4. Send a request using the **GET/POST** method based on the end point details. The request must be in the following format:
 - **URL Examples:**
 - `https://<HOST_NAME:PORT>/<TENANT>/dsa-ext/v1/data-access/keys/<connector_id>`
 - `https://<HOST_NAME:PORT>/<TENANT>/dsa-ext/v1/fileupd/gen-par`
 - `https://<HOST_NAME:PORT>/<TENANT>/public/downloadurl/export/{objCode}`
 - `https://<HOST_NAME:PORT>/<TENANT>/public/status/export/{code}`

6

Generating PAR URL for File Operations

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

6.1 Generating PAR URL for File Upload

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

6.1.1 End Point Details

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

6.1.1.1 Request JSON Parameters

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

Table 6-1 Request JSON Parameters

Name	Type	Required	Description
fileName	STRING	Yes	The name of the file to be uploaded. 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
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.

Table 6-1 (Cont.) Request JSON Parameters

Name	Type	Required	Description
contentType	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,
  "contentType": "text/csv"
}, {
  "fileName": "File1.csv",
  "fileSize": 8765,
  "contentType": "text/csv"
}, {
  "fileName": "file3.zip",
  "fileSize": 5512,
  "contentType": "application/zip"
}]
```

6.1.1.2 Response JSON Parameters

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

Table 6-2 POST JSON Response

Name	Type	Description
code	STRING	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":
```

```
      "https://objectstorage.us-phoenix-1.oraclecloud.com/p/
e0xuvdJw6zSFF00h0-I1kwgko624ouF5CNevjTpWMSYpK3180CYJ4Xhkpx4P33cp/n/
oraclegbudevcorp/b/fsgbu_fsafnd_cndevcorp_h3ofin-prd_default/o/
default/asg/seof4ed02e4-581d-46a7-8ebc-c101261eeaf9",
"fileId": 34033
}], "failed": []
}, {
"filename": "file3.zip",
"uploadURL":
      "https://oraclegbudevcorp.objectstorage.us-phoenix-1.oci.customer-
oci.com/p/Q9q2gkVFq10gVY_ZKyYwtN0fe7S3qzRg-sykn89YhUkyvVTGe0xQgMIBmEF07BVT/n/
oraclegbudevcorp/b/fsgbu_fsafnd_cndevcorp_sc0noi-prd_default/o/default/
2024-09-06/lbv/118757d4-3cd5-4901-b643-aed44f22abb6",
"fileId": 34035
}
}
```

6.2 Generating PAR URL For File Download

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

6.2.1 End Point Details

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

Table 6-3 End Point Details

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

6.2.1.1 Request JSON Parameters

Table 6-4 Request JSON Parameters

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

Request JSON Sample

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

6.2.1.2 Response JSON Parameters

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

Table 6-5 Table: POST JSON Response

Name	Type	Description
fileName	STRING	The name of the file to be downloaded.
downloadURL	STRING	The generated pre-authenticated URL to download a file. The downloadURL is displayed only when the pre-authenticated URL exists and status of the file is 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/fsghu_fsafnd_cndevcorp_qfgnhy-prd_default/o/
          default/jfm/cdq/761dac86-e187-495c-92cc-4f1760dfe839"
      }
    ],
    "failed": []
  }
}
```

7

Initiating a PMF Process

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

7.1 End Point Details

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

Table 7-1 Request Header Details

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

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

7.1.1 Request JSON Parameters

Table 7-2 Request JSON Parameters

Name	Type	Required	Description
SummaryPayload	OBJECT	Yes	This is an object with the properties mentioned below
objectid	STRING	Yes	Specify an unique string identifier for the execution. Allowed characters are alphabets , numbers, Hyphen(-),and Underscore(_) 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'
applicationparams	OBJECT	Yes	Specify values for the run time execution parameters.

Request JSON Samples

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

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

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

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

```
{
  "SummaryPayload": {
    "objectid": "Recon_7",
    "processID": "1761637914831",
    "objecttype": "GL",
    "infodom": "OFSAAIINFO",
  }
}
```

```

    "locale": "en-US",
    "applicationparams": {
      "FIC_MIS_DATE": "2021-01-01",
      "RECON_TYPE": "SRT5",
      "GL_GLB_THR": "20",
      "GL_AUTO_APPROVAL": "Y",
      "GL_THR_BREACH": "C",
      "GL_V_RUN_MAIN_DESC": "Test1",
      "Reconciliation Definition": [
        "721-1",
        "722-1"
      ],
      "GL_GLB_THR_OP": "BOTH",
      "GL_GLB_THR_ABS": "1000",
      "GL_GLB_THR_BRC_COND": "AND",
      "Global Threshold Currency": "[\"AUD\"]",
      "GL_EXCHANGE_RATE_VERSION": "1"
    }
  }
}
```

7.1.2 Response JSON Parameters

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

Table 7-3 Table: POST JSON Response

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

Response JSON Sample

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

```
"lastActivity": "Job_1583994521890",  
"responseJSON": "",  
"responseStatus": "SUCCESS"  
}
```

8

Initiating a PMF Process Using Object ID

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

8.1 End Point Details

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

Table 8-1 Request Header Details

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

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

8.1.1 Request JSON Parameters

Table 8-2 Request JSON Parameters

Name	Type	Required	Description
objectID*	STRING	Yes	Specify an unique string identifier for the execution. Allowed characters are alphabets , numbers, Hyphen(-),and Underscore(_) 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

Table 8-2 (Cont.) Request JSON Parameters

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

Note Run parameters must be passed as a Run parameter set in the request.

Table 8-2 (Cont.) Request JSON Parameters

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

request . 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",
```

```

"processId": "PR_1654836288932",

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

"processCode":"code"

}

```

8.1.2 Response JSON Parameters

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

Table 8-3 Table: POST JSON Response

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

Table 8-4 Possible Status Codes

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

Response JSON Sample

```

{
"processInstanceId": "1634536080515_3f80680b-3276-42ac-a41c-a573d0697c23",

"processStatus": "SUCCESS",

"processId":"","

"message": "",

}

```


9

Viewing Ingested Data

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

9.1 Prerequisites

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

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

9.2 Get Metadata Keys

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

9.2.1 End Point Details

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

9.2.1.1 Request JSON Parameters

There is no payload to be submitted during API invocation.

9.2.1.2 Response JSON Parameters

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

Table 9-1 POST JSON Response

Name	Type	Description
name	STRING	Connector name.
code	INTEGER	Connector Metadata Key
attributes	ARRAY	Business Term Attributes · 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": "BT01375"
    }, {
      "name": "Joining Credit Score",
      "code": "BT02010"
    }, {
      "name": "Original Account Number",
      "code": "BT02726"
    }, {
      "name": "Account Or Contract Number",
      "code": "BT053"
    }, {
      "name": "Address Identifier",
      "code": "BT0126"
    }
  ]
}
```

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

9.3 Retrieve Data Using the Metadata Keys

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

Note

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

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

9.3.1 End Point Details

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

9.3.1.1 Request JSON Parameters

Table 9-2 JSON Request

Name	Type	Required	Description
attr_filter	STRING	Yes	Business Term Codes from the Get Metadata Keys API. 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": { "BT01375": "01-Apr-2022" } NOTE: · The filter expression allows only one column.

Request JSON Sample

```
{  
  "attr_filter": ["BT01375", "BT02010", "BT02726", "BT053", "BT0126",  
    "BT0127", "BT01375", "BT03956", "BT03959"],  
  "data_filter": {"BT01375": "01-Apr-2022"}  
}
```

9.3.1.2 Response JSON Parameters

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

Table 9-3 POST JSON Response

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

Response JSON Sample

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

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

10

Abort PMF Execution Process

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

10.1 End Point Details

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

Table 10-1 Request Header Details

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

Table 10-2 End Point Details

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

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

10.1.1 Request JSON Parameters

Table 10-3 Request JSON Parameters

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

Request JSON Sample

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

10.1.2 Response JSON Parameters

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

Table 10-4 POST JSON Response

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

Table 10-5 Possible Status Codes

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

Response JSON Sample

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

11

Abort PMF Execution Process Using Object ID

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

11.1 End Point Details

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

Table 11-1 Request Header Details

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

Table 11-2 End Point Details

Name	Type	Required	Value
objectId	String	Yes	"1733828153618"

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

11.1.1 Request JSON Parameters

Table 11-3 Request JSON Parameters

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

Request JSON Sample

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

11.1.2 Response JSON Parameters

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

Table 11-4 POST JSON Response

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

Table 11-5 Possible Status Codes

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

Response JSON Sample

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

12

Resume PMF Execution Process

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

12.1 End Point Details

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

Table 12-1 Request Header Details

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

Table 12-2 End Point Details

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

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

12.1.1 Request JSON Parameters

Table 12-3 Request JSON Parameters

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

Request JSON Sample

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

12.1.2 Response JSON Parameters

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

Table 12-4 POST JSON Response

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

Table 12-5 Possible Status Codes

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

Response JSON Sample

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

13

Resume PMF Execution Process Using Object ID

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

13.1 End Point Details

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

Table 13-1 Request Header Details

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

Table 13-2 End Point Details

Name	Type	Required	Value
objectId	String	Yes	"1733828153618"

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

13.1.1 Request JSON Parameters

Table 13-3 Request JSON Parameters

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

Request JSON Sample

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

13.1.2 Response JSON Parameters

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

Table 13-4 POST JSON Response

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

Table 13-5 Possible Status Codes

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

Response JSON Sample

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

14

Rerun PMF Execution Process

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

14.1 End Point Details

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

Table 14-1 Request Header Details

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

Table 14-2 End Point Details

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

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

14.1.1 Request JSON Parameters

Table 14-3 Request JSON Parameters

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

Request JSON Sample

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

14.1.2 Response JSON Parameters

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

Table 14-4 POST JSON Response

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

Table 14-5 Possible Status Codes

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

Response JSON Sample

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

15

Rerun PMF Execution Process Using Object ID

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

15.1 End Point Details

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

Table 15-1 Request Header Details

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

Table 15-2 End Point Details

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

15.1.1 Request JSON Parameters

Table 15-3 Request JSON Parameters

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

Request JSON Sample

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

15.1.2 Response JSON Parameters

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

Table 15-4 POST JSON Response

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

Table 15-5 Possible Status Codes

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

Response JSON Sample

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

16

Fetching the PMF Execution status

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

16.1 End Point Details

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

Table 16-1 Request Header Details

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

Table 16-2 End Point Details

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

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

16.1.1 Request JSON Parameters

Table 16-3 Request JSON Parameters

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

Request JSON Sample

```
{
  "processInstanceIdList": [
    "1658311255081_fa6a579a-d2f2-4455-8be3-f8b35022ba7f",
```

```
        "1658313898588_cf0ed63a-8176-495b-ba15-633a33cf9d0c"
    ]
}
```

16.1.2 Response JSON Parameters

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

Table 16-4 POST JSON Response

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

Response JSON Sample

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

17

Fetching the PMF Execution Status Using Object ID

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

17.1 End Point Details

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

Table 17-1 Request Header Details

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

Table 17-2 End Point Details

Name	Type	Required	Value
objectId	String	Yes	"1733828153618"

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

17.1.1 Request JSON Parameters

Table 17-3 Request JSON Parameters

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

Request JSON Sample

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

```
    ]
  }
```

17.1.2 Response JSON Parameters

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

Table 17-4 POST JSON Response

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

Table 17-5 Possible Status Codes

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

Response JSON Sample

```
{
  "processExecutionStatus": [
    {
      "processInstanceId": "1733822357497_94bc2039-9a94-4906-ad97-
e2e5df1dd878",
      "status": "CANCELLED",
      "runPurpose": "{\"code\":\"afcs_admin\",\"name\":\"AFCS Admin
App\"}",
      "objectId": "1733828153618",
      "type": "RUN"
    },
    {
      "processInstanceId":
"1733822357499_0430745c-1ab2-4a1f-9b9f-776fb7e21d7c",
      "status": "RUNNING",
      "runPurpose": "{\"code\":\"other\",\"name\":\"Other\"}",
      "objectId": "test-exec-api-v2-processid",
      "type": "WORKFLOW"
    }
  ]
}
```

18

Searching a File

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

18.1 End Point Details

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

The following table lists the Request Headers

Table 18-1 Request Headers-Searching a File

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

18.1.1 Request JSON Parameters

The following table lists the Request Body.

Table 18-2 Request JSON Parameters - Searching a File

Name	Type	Required	Description
OrdeByCode	INTEGER	No	The files are sorted based on the inputs provided: • 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
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

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

Name	Type	Required	Description
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
}
```

18.1.2 Response JSON Parameters

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

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

Table 18-3 POST JSON Response

Name	Type	Description
Id	STRING	The file Identifier
name	STRING	The file name
type	STRING	The file type. The response is either 'text/plain' for TXT files or 'text/csv' for CSV files

Table 18-3 (Cont.) POST JSON Response

Name	Type	Description
length	STRING	The file size in bytes
status	STRING	The status of the file. The response can be any of the following: INITIALIZED, UPLOADING, or AVAILABLE
createdDate	STRING	The creation date of the file
createdBy	STRING	The user name who has created the file
updatedAt	STRING	The files that were updated on a specific date For Example: 2022-08-30 17:37:16
procId	STRING	The Process ID of the file
executionId	STRING	The Execution ID of the file
procInstanceId	STRING	The Process Instance ID of the file
updatedBy	STRING	The user name who has updated the file

Response JSON Sample

```
{
  "code": "DIH0000",
  "body": [{
    "id": "2",
    "name": "extract_address_master.txt",
    "type": "text/plain",
    "length": "233",
    "status": "AVAILABLE",
    "createdDate": "2022-08-30 17:36:57",
    "createdBy": "ADMIN",
    "updatedAt": "2022-08-30 17:37:16",
    "procId": "1661867637887",
    "executionId": "141",
    "procInstanceId": "1661867637887_74c5b9c3-9814-46e5-ba7e-1f48ce443bdb",
    "updatedBy": "filestore"
  }]
}
```

}

]

}

19

Fetching Running Instances for a PMF Process

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

19.1 End Point Details

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

Table 19-1 Request Headers Details

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

19.1.1 Request JSON Parameters

Table 19-2 Request JSON Parameters

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

Request JSON Sample

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

19.1.2 Response JSON Parameters

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

Table 19-3 POST JSON Response

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

Response JSON Sample

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

20

Fetching the Process Execution Details

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

20.1 End Point Details

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

Table 20-1 Request Headers Details

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

20.1.1 Request JSON Parameters

Table 20-2 Request JSON Parameters

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

Request JSON Sample

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

20.1.2 Response JSON Parameters

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

Table 20-3 POST JSON Response

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

Response JSON Sample

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

21

Fetching the Process Execution Details Using Object ID

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

21.1 End Point Details

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

Table 21-1 Request Headers Details

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

21.1.1 Request JSON Parameters

Table 21-2 Request JSON Parameters

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

Request JSON Sample

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

21.1.2 Response JSON Parameters

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

Table 21-3 POST JSON Response

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

Table 21-4 Possible Status Codes

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

Response JSON Sample

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

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

22

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.

Note

The set of APIs published in this section are eventually consistent. This means that after the API has been executed, there may be a delay before the API reflects the most up-to-date state. As a result, you may not receive an immediate response to the API call. Please note this while designing your application or consuming the APIs.

22.1 End Point Details

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

Table 22-1 Request Header Details

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

22.1.1 Request JSON Parameters

Table 22-2 Request JSON Parameters

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

Request JSON Sample

```
{
  "processInstanceIdList": [
    "1658311255081_fa6a579a-d2f2-4455-8be3-f8b35022ba7f",
  ]
}
```

```

        "1658313898588_cf0ed63a-8176-495b-ba15-633a33cf9d0c"
    ],
    "filter": {
        "process_status": "ALL / COMPLETED / RUNNING / CANCELLED / FAILED"
    }
}

```

22.1.2 Response JSON Parameters

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

Table 22-3 POST JSON Response

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

Response JSON Sample

```

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

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

      "metric" :{

```

```
        "code": "volume",  
        "value": "10000"  
    }  
}
```

23

Fetching the PMF Dashboard Process Status Using Object ID

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

23.1 End Point Details

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

Table 23-1 Request Header Details

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

23.1.1 Request JSON Parameters

Table 23-2 Request JSON Parameters

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

Request JSON Sample

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

23.1.2 Response JSON Parameters

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

Table 23-3 POST JSON Response

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

Table 23-4 Possible Status Codes

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

Response JSON Sample

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

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

24

Fetching the PMF Dashboard Activities

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

24.1 End Point Details

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

Table 24-1 Request Header Details

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

24.1.1 Request JSON Parameters

Table 24-2 Request JSON Parameters

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

Request JSON Sample

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

24.1.2 Response JSON Parameters

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

Table 24-3 POST JSON Response

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

Response JSON Sample

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

          "duration": "",

          "metric" :{

            "name":"volume",

            "value":"10000"

          }

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

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

25

Fetching the PMF Dashboard Activities Using Object ID

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

25.1 End Point Details

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

Table 25-1 Request Header Details

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

25.1.1 Request JSON Parameters

Table 25-2 Request JSON Parameters

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

Request JSON Sample

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

25.1.2 Response JSON Parameters

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

Table 25-3 POST JSON Response

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

Table 25-4 Possible Status Codes

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

Response JSON Sample

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

```

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

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

```

26

Fetching all the Events of an Activity

This API helps fetch all the events of an activity.

26.1 End Point Details

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

Table 26-1 Request Header Details

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

26.1.1 Request JSON Parameters

Table 26-2 Request JSON Parameters

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

Request JSON Sample

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

26.1.2 Response JSON Parameters

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

Table 26-3 POST JSON Response

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

Response JSON Sample

```
{
  "activityEventList": [
    {
      "process_instance_id": "1658311255081_fa6a579a-d2f2-4455-8be3-f8b35022ba7f",
      "activity_events": [
        {
          "activity_id": "JOB122321434234",
          "event_error_code": "INVALID_DQ_GRP",
          "event_message": "message",
          "event_error_description": "This dq group is invalid",
          "event_parameters": [
            {
              "timestamp": "12-07-2023 12:00:01 PM",
              "event_name": "Rules Completed",
              "value": "1/2"
            },
            {
              "timestamp": "12-07-2023 12:05:01 PM",
              "event_name": "Rules Running",
              "value": "2"
            }
          ]
        }
      ]
    }
  ]
}
```

27

Fetching all the Events of an Activity Using Object ID

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

27.1 End Point Details

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

Table 27-1 Request Header Details

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

27.1.1 Request JSON Parameters

Table 27-2 Request JSON Parameters

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

Request JSON Sample

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

27.1.2 Response JSON Parameters

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

Table 27-3 POST JSON Response

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

Table 27-4 Possible Status Codes

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

Response JSON Sample

```
{
  "activityEventList": [
    {
      "objectId": "1716987996892",
      "processInstanceId":
"1715858557717_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"
          },
          {
            "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"
        }
      ]
    }
  }
]
}

```

28

Fetching all the PMF Dashboard Events

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

28.1 End Point Details

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

Table 28-1 Request Header Details

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

28.1.1 Request JSON Parameters

Table 28-2 Request JSON Parameters

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

Request JSON Sample

```
{
  "processInstanceIdList": [
    "AFCS_SYS_SCD_PROC_34327e31-20c8-31c5-1784-56e37f4409aa",
    "1697535489556_f66cf577-67f6-4307-9aad-450afc18d13"
  ]
}
```

28.1.2 Response JSON Parameters

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

Table 28-3 POST JSON Response

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

Table 28-3 (Cont.) POST JSON Response

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

Response JSON Sample

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

```

```

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

```

```

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

```

29

Fetching all the PMF Dashboard Events Using Object ID

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

29.1 End Point Details

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

Table 29-1 Request Header Details

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

29.1.1 Request JSON Parameters

Table 29-2 Request JSON Parameters

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

Request JSON Sample

```
{
  "objectIdList": [
    "AFCS_SYS_SCD_PROC_34327e31-20c8-31c5-1784-56e37f4409aa",
    "1697535489556_f66cf577-67f6-4307-9aad-450afcfc18d13"
  ]
}
```

29.1.2 Response JSON Parameters

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

Table 29-3 POST JSON Response

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

Table 29-4 Possible Status Codes

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

Response JSON Sample

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

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


Fetching the PMF Dashboard Status Report

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

30.1 End Point Details

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

Table 30-1 Request Header Details

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

30.1.1 Request JSON Parameters

Table 30-2 Request JSON Parameters

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

Note

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

Request JSON Sample

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

```

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

```

30.1.2 Response JSON Parameters

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

Table 30-3 POST JSON Response

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

Table 30-4 Activity Info in Response

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

Table 30-5 Possible Status Codes

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

Response JSON Sample

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

```

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

```

```

    "processId": "1722407619433",
    "processCode": "test_fail_case",
    "processInstanceId": "1722407619433_46c2b1ca-39a7-499d-
bf3f-5fc9f131c001",
    "processName": "Financial_fail_case",
    "objectId": "1722408089928",
    "startTime": "2024-07-31 06:41:29",
    "endTime": "2024-07-31 06:50:09",
    "runSk": "46",
    "duration": "00:08:40",
    "status": "COMPLETED",
    "activityInfo": [
      {
        "activityId": "JOB_1722407746410",
        "activityName": "RUN DQ RULE",
        "status": "COMPLETED",
        "component": "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",
        "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": {}
    },
    {
      "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",
        "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",
    "objectId": "ERROR_CODE_EG_1",
    "startTime": "2025-01-31 07:48:05",
    "endTime": "2025-01-31 07:48:40",
    "runSk": "832",
    "duration": "00:00:35",
    "status": "FAILED",
    "activityInfo": [
        {
            "activityId": "JOB_1738309540408",

```

```

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

```

```

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

```

```

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

```

```

        "category": "FATAL",
        "eventTime": "2025-02-05 12:04:21"
    },
    "startTime": "2025-02-05 12:04:17",
    "endTime": "2025-02-05 12:04:23",
    "duration": "00:00:06",
    "metric": {}
},
{
    "activityId": "JOB_1738309530205",
    "activityName": "JOB_1738309530205",
    "status": "FAILED",
    "component": "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",
                "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": {}
      }
    ]
  }
]
}

```

31

Fetching the PMF Dashboard Error Report

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

The error codes are categorized as follows:

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

31.1 End Point Details

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

Table 31-1 Request Header Details

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

31.1.1 Request JSON Parameters

Table 31-2 Request JSON Parameters

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

Table 31-2 (Cont.) Request JSON Parameters

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

Request JSON Sample

```

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

```

31.1.2 Response JSON Parameters

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

Table 31-3 POST JSON Response

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

Table 31-3 (Cont.) POST JSON Response

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

Table 31-4 Activity Info in Response

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

Table 31-5 Possible Status Codes

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

Response JSON Sample

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

```

```

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

```

```

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

```

```

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

```

```

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

```

```

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

```

```

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

```

```

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

```

32

Run Purpose Post API to Insert a New Run Purpose

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

32.1 End Point Details

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

Table 32-1 Request Headers Details

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

32.1.1 Request JSON Parameters

Table 32-2 Request JSON Parameters

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

Request JSON Sample

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

```

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

```

32.1.2 Response JSON Parameters

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

Table 32-3 POST JSON Response

Name	Type	Description
status	STRING	Status of the process execution. • 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."
}
```

33

Run Purpose Get API to Get Run Purpose Details

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

33.1 End Point details

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

33.1.1 Response JSON Parameters

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

Table 33-1 POST JSON Response

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

Response JSON Sample

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

```

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

```

```

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

```

```

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

```

```

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

```

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

34

Fetching details of Data Quality that are breaching the Threshold Limit

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

34.1 End Point Details

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

34.1.1 Response JSON Parameters

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

Table 34-1 POST JSON Response

Name	Type	Description
runkey	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

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

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

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

  ]
}
```

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

Object Migration APIs

This section provides information on Object migration APIs.

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

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

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

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

Note

Follow the steps in the below sequence:

The below APIs are for Exporting objects.

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

The below APIs are for Importing objects.

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

The following table lists the Request Headers

Table 35-1 Request Headers

Name	Type	Required	Example
ofs_tenant_id	STRING	Yes	r0e17y-prd

Table 35-1 (Cont.) Request Headers

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

35.1 Create Export Definition

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

35.1.1 End Point Details

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

Request Headers Details

The following table lists the Request Headers:

- **ofs_tenant_id** - Tenant ID of the Application.
- **Locale** - Local language in the language code format. For example, en-US.
- **ofs_remote_user** - User ID of the user.
- **ofs_workspace_id** - Workspace ID of the Application. The default value is WS001 and same should be passed each time.
- **ofs_service_id** - Service ID of the Application.

35.1.1.1 Request JSON Parameters

Table 35-2 Request JSON Parameters

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

Table 35-2 (Cont.) Request JSON Parameters

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

Request JSON Sample

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

35.1.1.2 Response JSON Parameters

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

Table 35-3 POST JSON Response

Name	Type	Description
migrationCode	STRING	Migration code of the object.

Table 35-3 (Cont.) POST JSON Response

Name	Type	Description
errorMessage	STRING	Details of the export process. 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 35-4 Possible Status Codes

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

Response JSON Samples

Success:200

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

Error:400

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

Error :500

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

  "statusCode": "OUTLINE_SAVE_FAILED",

  "status": "FAILED",

  migrationCode:"migrationCode" //migrationcode passed

}
```

35.2 Invoke Export

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

35.2.1 End Point Details

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

Table 35-5 End Point Details

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

Request Headers Details

The following table lists the Request Headers:

- **ofs_tenant_id** - Tenant ID of the Application.
- **Locale** - Local language in the language code format. For example, en-US.
- **ofs_remote_user** - User ID of the user.
- **ofs_workspace_id** - Workspace ID of the Application. The default value is WS001 and same should be passed each time.
- **ofs_service_id** - Service ID of the Application.

35.2.1.1 Response JSON Parameters

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

Table 35-6 POST JSON Response

Name	Type	Description
errorMessage	STRING	Details of the export process. 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 35-7 Possible Status Codes

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

Response JSON Samples

Success:200

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

Error: 400

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

Error :500

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

```
}
```

35.3 Get Status for Export

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

35.3.1 End Point Details

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

Table 35-8 End Point Details

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

Request Headers Details

The following table lists the Request Headers:

- **ofs_tenant_id** - Tenant ID of the Application.
- **Locale** - Local language in the language code format. For example, en-US.
- **ofs_remote_user** - User ID of the user.
- **ofs_workspace_id** - Workspace ID of the Application. The default value is WS001 and same should be passed each time.
- **ofs_service_id** - Service ID of the Application.

35.3.1.1 Response JSON Parameters

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

Table 35-9 POST JSON Response

Name	Type	Description
errorMessage	STRING	Details of the export process. For example: Migration code does not exist

Table 35-9 (Cont.) POST JSON Response

Name	Type	Description
statusCode	STRING	It indicates the status code of the service. For example: INVALID_INPUT
status	STRING	Status of the migration • Success • Failed • In Process • Saved

Table 35-10 Possible Status Codes

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

Response JSON Sample

Success:200

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

Error: 400

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

Error :500

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

35.4 Copy Export Definition

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

35.4.1 End Point Details

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

Request Headers Details

The following table lists the Request Headers:

- **ofs_tenant_id** - Tenant ID of the Application.
- **Locale** - Local language in the language code format. For example, en-US.
- **ofs_remote_user** - User ID of the user.
- **ofs_workspace_id** - Workspace ID of the Application. The default value is WS001 and same should be passed each time.
- **ofs_service_id** - Service ID of the Application.

35.4.1.1 Request JSON Parameters

Table 35-11 Request JSON Parameters

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

Request JSON Sample

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

35.4.1.2 Response JSON Parameters

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

Table 35-12 POST JSON Response

Name	Type	Description
migrationCode	STRING	Migration code of the object.
errorMessage	STRING	Details of the export process. 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 35-13 Possible Status Codes

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

Response JSON Samples

Success:200

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

Error:400

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

Error :500

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

List of error messages for Invalid_input statusCode:

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

35.5 Get Download URL for DMP file

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

35.5.1 End Point Details

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

Table 35-14 End Point Details

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

Request Headers Details

The following table lists the Request Headers:

- **ofs_tenant_id** - Tenant ID of the Application.
- **Locale** - Local language in the language code format. For example, en-US.
- **ofs_remote_user** - User ID of the user.
- **ofs_workspace_id** - Workspace ID of the Application. The default value is WS001 and same should be passed each time.
- **ofs_service_id** - Service ID of the Application.

35.5.1.1 Response JSON Parameters

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

Table 35-15 POST JSON Response

Name	Type	Description
fileName	STRING	The migration code embedded with .DMP extension. For Example: "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

Table 35-16 Possible Status Codes

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

Response JSON Sample

Success:200

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

```
"statusCode": "FILE_URL_DOWNLOAD_SUCCESS",

"status": "SUCCESS"

}

Error: 400

{

  "errorMessage": "Migration code doesnt exists",

  "statusCode": "MIGRATION_CODE_DOESNT_EXIST",

  "status": "FAILED"

  "downloadURL": ""

  "fileName":""

}

Error :500

{

  "statusCode": "INTERNAL_SERVER_ERROR",

  "errorMessage": "Internal Server Error",

  "statusCode": "FAILED",

  "status": "FAILED",

  "downloadURL": ""

  "fileName":""

}
```

35.6 Create Import Definition

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

35.6.1 End Point Details

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

Request Headers Details

The following table lists the Request Headers:

- **ofs_tenant_id** - Tenant ID of the Application.
- **Locale** - Local language in the language code format. For example, en-US.
- **ofs_remote_user** - User ID of the user.
- **ofs_workspace_id** - Workspace ID of the Application. The default value is WS001 and same should be passed each time.
- **ofs_service_id** - Service ID of the Application.

35.6.1.1 Request JSON Parameters

Table 35-17 Request JSON Parameters

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

Table 35-17 (Cont.) Request JSON Parameters

Name	Type	Required	Description
dmpFileURL	STRING	Yes if fileName is not present. The parameters fileName and dmpFileURL can be passed.	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.
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_B0_6786878_78787899_1.DMP"

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

"failOnErrorOptions":"Y"

"overWriteOptions":"N"

}
```

35.6.1.2 Response JSON Parameters

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

Table 35-18 POST JSON Response

Name	Type	Description
errorMessage	STRING	Details of the error occurred. 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 35-19 Possible Status Codes

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

Response JSON Sample

```
Success:200

{

  "migrationCode": "PublicExport005"

  "errorMessage": "",

  "statusCode": "IMPORT_OUTLINE_SAVED",

  "status": "SUCCESS"

}
```

Error: 400

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

Error :500

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

35.7 Invoke Import

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

Note

Pass the migration code returned from successful save import definition.

35.7.1 End Point Details

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

Note

Pass the migration code returned from successful save import definition.

Table 35-20 End Point Details

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

Request Headers Details

The following table lists the Request Headers:

- **ofs_tenant_id** - Tenant ID of the Application.
- **Locale** - Local language in the language code format. For example, en-US.
- **ofs_remote_user** - User ID of the user.
- **ofs_workspace_id** - Workspace ID of the Application. The default value is WS001 and same should be passed each time.
- **ofs_service_id** - Service ID of the Application.

35.7.1.1 Response JSON Parameters

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

Table 35-21 POST JSON Response

Name	Type	Description
errorMessage	STRING	Details of the import process. For example: Object Migration Triggered.
statusCode	STRING	It indicates the status code of the service. For example: TRIGGERED_SUCCESS
status	STRING	Status of the migration: • Success • Failed • In Process

Table 35-22 Possible Status Codes

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

Response JSON Sample

Success:200

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

Error: 400

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

Error :500

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

35.8 Update Existing Import Outline Definition

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

35.8.1 End Point Details

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

Request Headers Details

The following table lists the Request Headers:

- **ofs_tenant_id** - Tenant ID of the Application.
- **Locale** - Local language in the language code format. For example, en-US.
- **ofs_remote_user** - User ID of the user.
- **ofs_workspace_id** - Workspace ID of the Application. The default value is WS001 and same should be passed each time.
- **ofs_service_id** - Service ID of the Application.

35.8.1.1 Request JSON Parameters

Table 35-23 Request JSON Parameters

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

Request JSON Sample

```
"migrationCode":"PublicExport011"

"failOnErrorOptions":"Y"

"overWriteOptions":"N"

}
```

35.8.1.2 Response JSON Parameters

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

Table 35-24 POST JSON Response

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

Table 35-24 (Cont.) POST JSON Response

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

Table 35-25 Possible Status Codes

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

Response JSON Sample

Success:200

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

Error: 400

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

Error :500

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

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

35.9 Get Status for Import

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

35.9.1 End Point Details

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

Table 35-26 End Point Details

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

Request Headers Details

The following table lists the Request Headers:

- **ofs_tenant_id** - Tenant ID of the Application.
- **Locale** - Local language in the language code format. For example, en-US.
- **ofs_remote_user** - User ID of the user.
- **ofs_workspace_id** - Workspace ID of the Application. The default value is WS001 and same should be passed each time.
- **ofs_service_id** - Service ID of the Application.

35.9.1.1 Response JSON Parameters

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

Table 35-27 POST JSON Response

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

Table 35-27 (Cont.) POST JSON Response

Name	Type	Description
statusCode	STRING	It indicates the status code of the service. For example: INVALID_INPUT
status	STRING	Status of the migration • Success • Failed • In Process • Saved

Table 35-28 Possible Status Codes

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

Response JSON Sample

Success:200

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

Error: 400

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

Error :500

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

35.10 Copy Import Definition

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

35.10.1 End Point Details

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

Request Headers Details

The following table lists the Request Headers:

- **ofs_tenant_id** - Tenant ID of the Application.
- **Locale** - Local language in the language code format. For example, en-US.
- **ofs_remote_user** - User ID of the user.
- **ofs_workspace_id** - Workspace ID of the Application. The default value is WS001 and same should be passed each time.
- **ofs_service_id** - Service ID of the Application.

35.10.1.1 Request JSON Parameters

Table 35-29 Request JSON Parameters

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

Request JSON Sample

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

35.10.1.2 Response JSON Parameters

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

Table 35-30 POST JSON Response

Name	Type	Description
errorMessage	STRING	Details of the error occurred. 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 35-31 Possible Status Codes

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

Response JSON Sample

Success:200

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

Error: 400

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

```

}

Error :500

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

```

List of error messages for Invalid_input statusCode:

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

35.11 Get Object Codes for Object Type

This section provides information on Get Object Codes for Object Type API. The object codes are fetched against Object types during migration.

35.11.1 End Point Details

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

Table 35-32 End Point Details

Name	Type	Required	Value
objectType	STRING	Yes	The Object Type for which the Object code that needs to be exported. The Object codes listed in the export definition should be present in the source system from where it is being migrated.

Request Headers Details

The following table lists the Request Headers:

- **ofs_tenant_id** - Tenant ID of the Application.
- **Locale** - Local language in the language code format. For example, en-US.
- **ofs_remote_user** - User ID of the user.
- **ofs_workspace_id** - Workspace ID of the Application. The default value is WS001 and same should be passed each time.
- **ofs_service_id** - Service ID of the Application.

35.11.1.1 Response JSON Parameters

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

Table 35-33 POST JSON Response

Name	Type	Description
Message	STRING	Details of the export process. For example: Migration code does not exist
objectCode	STRING	It indicates the object code of the Object type. For example: USD
objectName	STRING	It indicates the object name of the Object type. For example: US Dollar
objectType	STRING	Object type that needs to be exported. For example: CURRENCY

Table 35-34 Possible Status Codes

Status Code	Description
Success:200	Success
Error:400	The summary URL is not available for Object Type
Error:500	Error Occurred

Response JSON Sample

Success:200

```
{  "objectCodes": [
    {  "objectCode": "USD",
      "objectName": "US Dollar"
    }  ],
  "objectType": "CURRENCY"
}
```

Error: 400

```
{
  response: {
```

```
        message: "the summaryURL is not available for objectType: {object_type}"
    }
}

Error :500

{
  response: {
    message: "Error Occurred"
  }
}
```

36

Email Notification APIs

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

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

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

The following table lists the Request Headers

Table 36-1 Request Headers

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

36.1 Register Email Notification for a Process

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

36.1.1 End Point Details

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

36.1.1.1 Request JSON Parameters

Table 36-2 Request JSON Parameters

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

Request JSON Sample

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

36.1.1.2 Response JSON Parameters

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

Table 36-3 POST JSON Response

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

Table 36-4 Possible Status Codes

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

Response JSON Sample

Unauthorized user - Status code : 401

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

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

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

Process Id is not valid - Status code : 400

```
{
```

```

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

```

36.2 Register Email Notification for a Package

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

36.2.1 End Point Details

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

36.2.1.1 Request JSON Parameters

Table 36-5 Request JSON Parameters

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

Request JSON Sample

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

36.2.1.2 Response JSON Parameters

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

Table 36-6 POST JSON Response

Name	Type	Description
message	STRING	Details of the error/success.
statusCode	STRING	It indicates the status code of the service.
status	STRING	Status of the registration - false - true

Table 36-7 Possible Status Codes

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

Response JSON Sample

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

36.3 Get the List of Email Registrations

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

36.3.1 End Point Details

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

36.3.1.1 Response JSON Parameters

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

Table 36-8 POST JSON Response

Name	Type	Description
message	STRING	Details of the error/success.
statusCode	STRING	It indicates the status code of the service.
status	STRING	Status of the fetching the list. • false • true

Table 36-9 Possible Status Codes

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

Response JSON Sample

Success Response - Status Code : 200

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

```

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

```

```

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

Status Code : 400
{
  "message": "Can't have request parameters as empty.",
  "status": false
}
{
  "message": "Request validation failed to presence of blacklisted
characters",
  "status": false
}
{
  "message": "Can't have request parameters as empty.",
  "status": false
}
Status Code : 500

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

Status Code : 401

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

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

```

36.4 Enable/Disable the Notification Emails

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

36.4.1 End Point Details

- **Method** – PUT

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

36.4.1.1 Request JSON Parameters

Table 36-10 Request JSON Parameters

Name	Type	Required
processId	STRING	Yes
packageId	STRING	Yes
user	STRING	Yes
isEmailRequired	STRING	Yes
isEmailRequiredForFailedStatus	STRING	Yes
isEmailRequiredForCompleteStatus	STRING	Yes

Request JSON Sample

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

36.4.1.2 Response JSON Parameters

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

Table 36-11 POST JSON Response

Name	Type	Description
message	STRING	Details of the error/success.
statusCode	STRING	It indicates the status code of the service.
status	STRING	Status of the setting the preferences • false • true

Table 36-12 Possible Status Codes

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

Response JSON Sample

Success response - Status code: 200

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

Status code: 400

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

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

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

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

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

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

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

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

Status code: 404

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

```
}
```

```
Status code: 500
```

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

```
Status code: 401
```

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

37

Retrieving ERP ESS Job Details

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

37.1 End Point Details

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

Table 37-1 Request Headers Details

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

37.1.1 Calling the API to fetch the Process Status

To call the API, follow these steps:

1. Open a relevant tool.
2. Copy only the Authorization Token that you got from the [#unique 49/unique 49 Connect 42 GUID-45967E49-F60B-43A1-8138-C8A57FE3771D](#) Request.
3. Go to Header.
4. Enter KEY as an **Authentication** and Description as a bearer (Authorization Token) <eyJ4NXQjUzI1NiI6Ikk3cWxndm1Ka1...>.
5. Send a request using the **GET** Method. The request must be in the following format:
 - a. **URL**- https://<HOST_NAME:PORT>/<TENANT>/ahi-ext/v1/utlis/process-details/<processInstanceId>
 - b. **Path Parameter**: processInstanceId (Instance Id of the Process)

37.1.1.1 Response JSON Parameters

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

Table 37-2 GET JSON Response

Name	Type	Description
message code	STRING	The API Status code. • DIA0000 • DIA0001 • DIA0007 • DIA0008
message body	STRING	• fileName: The zip file name uploaded to ERP • docId: The document ID generated at ERP for the submitted zip file • erpJobId: Scheduled ESS job ID • status: PMF Process status – Completed – Failed – Running – Cancelled

Table 37-3 Possible Status Codes

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

Response JSON Sample

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

Token Based Authentication of ERP

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

38.1 End Point Details

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

Table 38-1 Request Headers Details

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

38.1.1 Request JSON Parameters

Table 38-2 Request JSON Parameters

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

Request JSON Sample

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

38.1.2 Response JSON Parameters

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

Table 38-3 POST JSON Response

Name	Type	Description
msgcode	STRING	The API Status code. • DIA0008 • DIA1001 • DIA1003 • DIA1004
msgbody	STRING	Updated User ID and Password Successfully/Updated Token Successfully.

Table 38-4 Possible Status Codes

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

Response JSON Sample

Success:200

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

}

39

Retrieving BI Publisher Export File from Object Storage

This topic provides details on how to leverage Public API to retrieve BI Publisher Export File from Object Storage, the same REST API could be used to orchestrate such process if required.

39.1 End Point Details

- **Method:** POST
- **REST Endpoint:** /reporting/bipurl/generate
- **Content-Type:** Application/Json

Table 39-1 Request Header Details

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

39.2 Request JSON Parameters

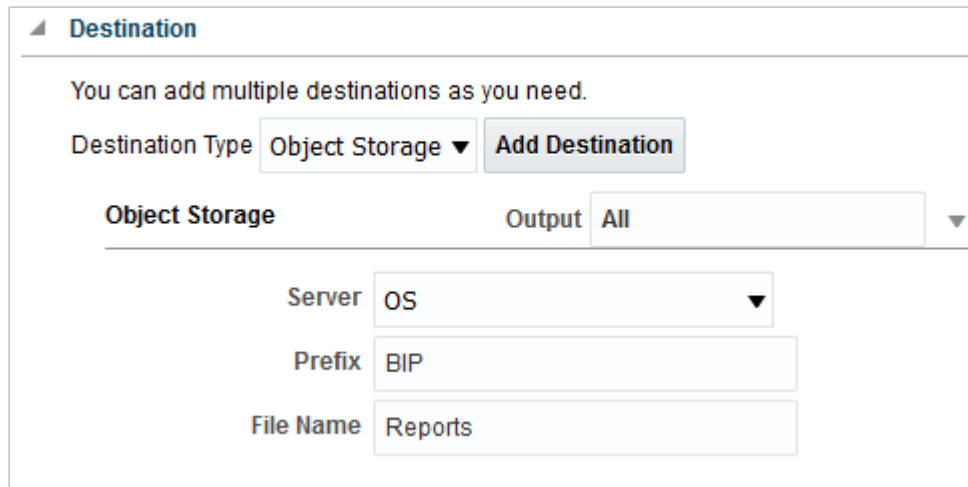
The following sections cover the Request Parameters:

Authorization

Authorization will be enabled through bearer token, this token is being generated through OAuth2 protocol, which is for granting access to the remote APIs.

Table 39-2 Request JSON Parameters

Name	Type	Required	Description
name	String	Yes	A unique AlphaNumeric name.
objectName	String	Yes	The parameter is used to identify the report scheduled via BI Publisher UI. The parameter is a concatenation of the "Prefix" and "File Name" (separated by "/") defined while adding the destination configuration of BI Publisher report scheduling. For example, see the following screen shot.

Figure 39-1 Destination

Destination

You can add multiple destinations as you need.

Destination Type

Object Storage **Output**

Server

Prefix

File Name

Request JSON Sample

```
{
  "name": "NEWTEST",
  "objectName": "BIP/Reports"
}
```

39.3 Response JSON Parameters

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

Response JSON Parameters

Name	Type	Description
id	String	Unique ID generated by DIS
status	String	PAR generation status Success/Failure
url	String	PAR URL path

Response JSON Sample

```
{
  "id": "ggdfs548987535rj7r789-bdre",
  "status": "Success",
  "url": "https://objectstorage.us-ashburn-1.oraclecloud.com/p/dJ41-ClADpDYRZ-ZMZfv2ntf-Rr06cmrDagTzYtys/n/oraclegbuprod/b/cds_gbua_fsgbu_afcs_iad_qe0saoyeic01_afcsqa250425-prd_1/o/BIP/Reports"
}
```

39.4 Error Handling/Validation

Both the name and objectName are mandatory fields.

objectName should have a valid path for BIPublisher.

Sample Error Response:

```
{
  "status": "Failure",
  "url": "Report/B12 is not present in the specified bucket:
cds_gbua_cndevcorp_fsgbu_afcs_d13odhfftryts5mnw_paqa050425-prd_1"
}
```

39.5 Detailed Documentation

The current functionality to export data from Oracle Analytics Server using BI Publisher is part of a proposed large scale enhancement to facilitate seamless data exchange between AFCS using the OAS platform and Oracle Applications.

For more details on using Oracle Analytics Server (OAS) to aggregate and/or manipulate the data to required level and downloading it from Object Storage, refer to the *FRC Analytics - Export Data to SaaS Object Store* document available [Doc ID: 2850010.1](#).

Incremental AOM Parameter

The Incremental AOM Parameter API provides the capability to configure Application Object Model (AOM) parameters at the process level. By introducing a process-to-parameter mapping, administrators can associate AOM parameters with selected processes instead of making them applicable to every process within an application package.

When a process is selected for execution, the API retrieves the additional AOM parameters mapped to that process along with the existing parameters for that package, enabling execution and scheduling components to display only the applicable parameters. This enhancement offers greater flexibility in configuring process execution by allowing AOM parameters to be assigned selectively, while preserving compatibility with existing application package configurations.

40.1 End Point Details

- Method – POST
- REST Endpoint - /pmf-crud/rest-api/v1/PMFService/params/v1/aom/processmap

Table 40-1 Request Header Details

Name	Type	Required	Value
ofs_workspace_id	String	Yes	WS001
ofs_tenant_id	String	Yes	Tenant ID of the application
ofs_service_id	String	Yes	OFS_FSAFND
processId	String	Yes	Process ID of the run pipeline for which the parameter needs to be added
paramId	Numeric	Yes	120010
activeFlag	String	Yes	Y or N

Example

```
curl --location --request POST 'https://devcorp7.ofsaa.us-phoenix-1.ocs.oc-test.com/t2ktyy-prd/pmf-crud/rest-api/v1/PMFService/params/v1/aom/processmap' \
--header 'ofs_service_id: OFS_FSAFND' \
--header 'ofs_workspace_id: WS001' \
--header 'paramId: 139' \
--header 'ofs_tenant_id: t2ktyy-prd' \
--header 'processId: 17847265879621' \
--header 'activeFlag: Y' \
--header 'Authorization: Bearer eyJ4NXQjUzI1NiI6I181VDZ3cThFcGFmdWxKWVJXZjFXOWFpdnpHM2twaG0wMDlpNi01aFFRbGsiLCJ4NXQiOiJzcmlR'
```

```
...qTYozE0NT9N1uGmSdIPvQBp4nz_S65KuJhgq258F14QmDBeohvHoqQMavKU23PGxXGzLaa2Z_ZC  
jmde3VHcG-IBdHAqZgI3zmuglsei4X-Yu2tycHjRYG-r-  
RW9yeIkcxzQXHIEUbfBUgrnovfHyjiwvn0NzQuFuLSM10x8g'
```

40.1.1 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 40-2 POST JSON Response

Name	Type	Description
message	String	process mapping created successfully or updated successfully
status	String	success
action	String	Add/Edit
response	Numeric	200

Response JSON Sample

Create Success Response

```
{  
  "message": "process mapping created successfully",  
  "status": "success",  
  "action": "Add",  
  "response": 200  
}
```

Update Success Response

```
{  
  "message": "process mapping edited successfully",  
  "status": "success",  
  "action": "Edit",  
  "response": 200  
}
```

41

Execute or Rerun Process By Overriding Singleton Check

This API enables to override standard PMF execution restrictions when required for troubleshooting or recovery scenarios. It allows authorized users to bypass execution constraints, such as singleton validation and rerun restrictions, to either rerun an existing process instance or initiate a new process execution.

41.1 End Point Details

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

Table 41-1 Request Headers Details

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

41.1.1 Request JSON Parameters

Table 41-2 Request JSON Parameters

Name	Type	Required	Description
objectId	STRING	Yes	List of Object IDs of the PMF Execution
processID	STRING	Yes	Process ID of the PMF execution
objecttype	STRING	Yes	Object Type of the process
locale	STRING	Yes	en-US
applicationparams	STRING	Yes	Application parameter of the PMF execution

Request JSON Sample

```
Fresh execute request:
{
  "SummaryPayload": {
    "objectId": "16062022-api3",
    "processID": "PR_1654836288932",
    "objecttype": "null",
    "locale": "en-US",
```

```

"applicationparams":{FIC_MIS_DATE:2019-04-19, "run_purpose":
["test1"]}
}
}
Rerun request:
{ "processInstanceId": "#processInstanceId" }

```

41.1.2 Response JSON Parameters

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

Table 41-3 POST JSON Response

Name	Type	Description
processId	STRING	Process ID of the PMF Execution
processinstanceid	STRING	Process Instance ID of the PMF Execution
response status	STRING	Success
payload	STRING	process execution
process status	STRING	Status of the PMF Execution
lastActivity	STRING	last activity of the PMF Execution
workflow status	STRING	status of the PMF Execution

Table 41-4 Possible Status Codes

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

Response JSON Sample

```

{
  "payload":
  {
    "processInstanceId":"1785158047499_37fd9c05-bb58-4201-b785-8890ce42ffbb",
    "stopExecutionFlag":false,
    "processStatus":"SUCCESS",
    "processID":"1785158047499",
    "workflowStatus":"COMPLETED",
    "lastActivity":"start_1785158047499",
    "responseJSON":"",
    "responseStatus":"SUCCESS"
  }
}

```

Glossary

Index