O2\_GENAI\_INT3815

Lean Specification

O2\_GENAI\_INT3815\_Project Locator (Cloud to Logfire)

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# Summary

## Purpose/Justification

This document forms a basis for the detailed technical design for Project Locator (Oracle to LogFire). It captures all technical details to address the business requirements given in the functional specification “ Project Locator (Oracle to LogFire)” for developing the “PRJ Project Locator Report”. This document is intended to provide the developer with necessary information to implement effective and accurate “Project Locator (Oracle to LogFire)” design and build.

## Integration Description and Overviews

NA

## Sample Output / Screen Layout

NA

## Definitions and Acronyms

| Acronym | Meaning | Description |
| --- | --- | --- |
| API | Application Programming Interface | The interface that a computer system, library or application provides in order to allow requests for services to be made of it by other computer programs, and/or to allow data to be exchanged between them. |
| BI Publisher | Business Intelligence Publisher | Oracle Business Intelligence Publisher. Create visually appealing reports and dashboards using eye-catching visualization and advanced formatting features. |

# Functional Design

## Integration Details

|  |  |
| --- | --- |
| Integration System Name | O2\_GENAI\_INT3815\_Project Locator (Cloud to Logfire) |
| Integration Source |  |
| Integration Target |  |
| Delivery or Retrieval Method |  |
| Full Extract / Changes Only |  |
| Expected Volume | Normal: TBD  Peak: |
| Run Frequency/Schedule |  |
| Integration Notifications | Notifications will be sent to technical or functional resources depending upon the nature of the error. |

## Launch Parameters

NA

## Data Selection and Sorting

NA

## Data Mapping

NA

## Interface Trigger Details

NA

## Security & Control Requirements

NA

## Encryption Requirements

NA

## Error Handling Logic

NA

## Assumptions

• The required setup for the Project Locators should be configured in Oracle cloud.

• The Project Locators Job is scheduled in LogFire to process the files place in the sFTP location.

• Only projects with status <> ‘DRAFT’ would not be considered for processing.

• All the Majors would be taken into consideration.

## Application Setup Requirements

NA

## Test Scenarios

NA

# Oracle Cloud Technical Design

## Overview

This document defines the technical component details required to implement the configuration and customization for the “Project Locator (Oracle to LogFire)”. This Technical Specifications Project Locator (Cloud to LogFire)) document complements the Functional Specifications (- Project Locator (Cloud to LogFire)) document for Project Locator Integration from Oracle to LogFire and the set should be considered as the complete detailed design.

## Detailed Integration Design

NA

## High Level Flow Diagram

NA

## Integration Process

|  |  |
| --- | --- |
| **Process Step** | **Description** |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

## Integration Details

### Integration\_Name Integration Design

NA

|  |  |
| --- | --- |
| **Integration Design** | |
| **Integration System Name** | O2\_GENAI\_INT3815\_Project Locator (Cloud to Logfire) |
| **Integration Type** | Inbound  Outbound |
| **Integration Tool** | HCM Extract  BIP  HDL  PBL  REST Services |
| **Data Source** (check all that apply) | Custom Report <insert report name>  Cloud Connect Template Type <specify CCW/PICOF/Other>  Web Service <insert WWS name or external web service>  File Inbound into Oracle <insert file name> |
|  |  |
| **Transformation** | Doc Transformation <name of file>  XSLT <name of XSLT file(s)>  None |
| **Delivery / Retrieval Service** | <insert delivery/retrieval details such as UCM/SFTP/PAAS> |
| **Output/Inbound Filename** | <filename or Not Applicable> |
| **File Format** | <csv, pipe delimited, Not Applicable> |
| **Sequence Generators** | <list> |
| **Document Retention** | <number of days> |
| **Integration System User** | <document the ISU or user ID of custom report owner> |
| **Integration System Security Group** | <document the ISSG or Not Applicable> |
| Additional Information | <Document any details not described above.> |

**<Needed in case of HCM Extracts>**

|  |  |
| --- | --- |
| **HCM Extract Details** | |
| **Entity Names** | * <list if applicable> |
| **Parameters** | * <list if applicable> |
| **Links** | * <document the logic, if applicable> |
| **Filters** | * <list if applicable> |

### HCM Extracts <Needed in case of HCM Extracts>

NA

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **HCM Extract Attribute Details** | | | | | |
| **Column** | **Entity Name** | **Attribute Name** | **Conditional Action** | **Conditional Replacement** | **Comments** |

### BI Reports <Needed in case of BI Reports>

NA

**<Needed in Case on Inbound Integrations>**

|  |  |
| --- | --- |
| **Integration Details** | |
| **Entity Names** | * Provide the HDL or PBL entity/entities which are getting loaded |
| **Integration Attributes** | * List of attributes |
| **Integration Maps** | * <list if applicable> |
| **Validation** | * <list if applicable> |
| **Defaulting Logic** | <List of any attributes whose values are defaulted > |
| **Additional Logic** | Add any additional logic specific to the interface |
| **Deployment Details** | Details of Deployment (PaaS or Client Network) |
| **Database Details** | Database connection details for the program |

## Data File Format

NA

|  |  |
| --- | --- |
| Property Name | Value |
| File Format | csv/xml/Oracle FBDI etc |
| Sample Data File | <embed sample file> |

## Custom Database Objects

NA

|  |  |  |  |
| --- | --- | --- | --- |
| Schema | Object Name | Object Type | Purpose |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

## Custom Stored Procedures

NA

|  |  |  |  |
| --- | --- | --- | --- |
| Schema | Object Name | Object Type | Purpose |
|  |  | Procedure/Function/Package |  |
| Pseudocode |  | | |

## BI Publisher Report Details

|  |  |
| --- | --- |
| **BI Publisher Details** | |
| **Data Model Name** | Subledger Journal Adjustment Outbound to Performance Plus |
| **Data Set Name** | G\_SUB\_JE\_ADJ\_OUT\_PPLUS |
| **Template Name** | Output |
| **Template Output Formats (\* Indicates Default)** | Text |

|  |  |
| --- | --- |
| BI Publisher Details | |
| Data Model Name |  |
| Report SQL | <SQL Query> |

## FBDI Processing

NA

## Web Services

NA

## UCM Upload (for FBDI Processing)

NA

## Enterprise Scheduler Services (ESS)

NA

### ESS Job details

NA

| Program | Short Name | Application | Description | Executable Name | Output Format |
| --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

### ESS Parameters

NA

| Program Name | Parameter Name | Value | Comment |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |

## Conditions and Filters

NA

| Sr. No | Data Condition | Business Rule |
| --- | --- | --- |
| 1 |  |  |
| 2 |  |  |
| 3 |  |  |

## Environment Configurations

NA

|  |  |  |  |
| --- | --- | --- | --- |
| Sr. No. | Parameter Name | Environment | Value |
| 1 |  |  |  |
| 2 |  |  |  |
| 3 |  |  |  |
| 4 |  |  |  |

## Validation & Error Handling

NA

## Rollback & Recovery

NA

## Purging

NA

## Notification Requirements

NA

| Sr. No. | Error Scenario | Description | Action |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |

## Security Requirement

Below are the security and control requirements for this interface:

|  |  |  |
| --- | --- | --- |
| **Security/Control ID** | **Description** | **Comments** |
|  |  |  |
|  |  |  |
|  |  |  |

## File and Directory Locations

NA

|  |
| --- |
| **ENVIRONMENT: Development** |

|  |  |
| --- | --- |
| SFTP Link |  |
| Folder Location for Output Data File |  |
| File Name for Output Data File |  |
| Output Data File Format | TXT  CSV  XML  Other |
| Folder Location for Error File (if any) |  |
| File Name for Error File (if any) |  |
| Error File Format (if any) | TXT  CSV  XML  Other |

## Miscellaneous

NA

## Components List

NA

## Data Selection Criteria

NA

## SQLs for Data Extraction/Selection/Filtration

|  |  |
| --- | --- |
| SQL# | Query |
|  |  |
| SQL1 | SELECT ceil(rownum/:P\_COUNT) KEY,  ptv.project\_id project\_id,  ptv.task\_number task\_number,  'A' loc\_type,  'PR' Area,  ppa.segment1 Aisle,  ptv.task\_number Bay,  '1' Level\_p,  null position\_p,  null Bin\_p,  null pick\_seq,  null locn\_size\_type,  'PR' ||'-'|| ppa.segment1 ||'-'|| ptv.task\_number ||'-'|| '1' Barcode,  0 Length\_p,  0 Width\_p,  0 Height\_p,  0 min\_units,  99999999 max\_units,  99999999 max\_lpns,  'TRUE' allow\_multi\_sku,  null allow\_reserve\_partial\_pick,  null alloc\_zone,  null replenishment\_zone\_code,  null replenishment\_zone\_desc,  null putaway\_seq,  null min\_volume,  null max\_volume,  null restrict\_batch\_nbr\_flg,  'D' item\_assignment\_type\_code,  null item\_alternate\_code,  null part\_a,  null part\_b,  null part\_c,  null part\_d,  null part\_e,  null part\_f,  decode(nvl(ppa.project\_status\_code,'@'),'ACTIVE','FALSE','TRUE') lock\_for\_putaway\_flg,  null pick\_zone,  null task\_zone\_code,  null mhe\_system\_code,  null divert\_lane,  org.organization\_code facility\_code,  'PROJECT' location\_lock\_code,  null restrict\_attribute\_flag,  null assembly\_type,  null cust\_field\_1,  null cust\_field\_2,  null cust\_field\_3,  null cust\_field\_4,  null cust\_field\_5  FROM pjf\_projects\_all\_b ppa,  pjf\_tasks\_v ptv,  inv\_org\_parameters org  WHERE ppa.project\_id = ptv.project\_id  AND nvl(ppa.project\_status\_code, '@') = nvl(:P\_PROJECT\_STATUS, nvl(ppa.project\_status\_code, '@'))  AND ppa.project\_status\_code <> 'DRAFT'  AND ptv.task\_id <> ptv.top\_task\_id  AND org.attribute4 = 'MAJOR'  AND org.organization\_code = nvl(:P\_FACILITY\_CODE,org.organization\_code)  AND nvl(ptv.chargeable\_flag, 'N') = 'Y'  AND length(ppa.segment1) <= 10  and trunc(ptv.last\_update\_date)>= (:P\_START\_DATE)  and trunc(ptv.last\_update\_date)<=(nvl(:P\_END\_DATE, sysdate))  order by project\_id, task\_number |
| SQL2 | SELECT distinct ceil(rownum/:P\_COUNT) KEY,  'Project\_Locators' TEMPLATE,  'en-US' LOCALE,  'text' OUTPUT\_FORMAT,  'FTP' DEL\_CHANNEL,  'LogFireSFTP' PARAMETER1,  '/data/LOG-INT-19/Inbound/in' PARAMETER4,  'LOC\_PROJECT\_'||:P\_FACILITY\_CODE||'\_'||ceil(rownum/:P\_COUNT)||'\_'||to\_char(cast((LOCALTIMESTAMP AT TIME ZONE 'GMT' ) as TIMESTAMP),'yyyymmddHH24MISS')||'.txt' AS PARAMETER5,  'TRUE' PARAMETER6  from pjf\_projects\_all\_b ppa,  pjf\_tasks\_v ptv,  inv\_org\_parameters org  WHERE ppa.project\_id = ptv.project\_id  AND ppa.project\_status\_code in (select distinct project\_status\_code from pjf\_projects\_all\_b where project\_status\_code <>'DRAFT')  AND ptv.task\_id <> ptv.top\_task\_id  AND org.attribute4 = 'MAJOR'  AND org.organization\_code = nvl(:P\_FACILITY\_CODE,org.organization\_code)  AND nvl(ptv.chargeable\_flag, 'N') = 'Y'  and trunc(ptv.last\_update\_date)>= (:P\_START\_DATE)  and trunc(ptv.last\_update\_date)<=(nvl(:P\_END\_DATE, sysdate))  order by KEY |

## Data Transmission Mechanism (Required for Interfaces)

NA

## File Layout / Report Output

NA

Technical Unit Test

| Sr. No | Conditions to be tested | Expected Result | Executed? |
| --- | --- | --- | --- |
| 1 |  |  |  |
| 2 |  |  |  |
| 3 |  |  |  |

# Application Setup and Technical Requirements

## Programs/Report and Parameters

NA

## ESS Program, Scheduling and Executables

NA

## Security and Controls Requirements

NA

## Archiving & Purging

NA

# Interface Reporting Requirements

## Data Validation & Error Reporting

NA

### Data Processing / Derivation / Validation / Transformation Rules

NA

### Error handling and Retry Mechanism

NA

## Data Reconciliation

NA

# Open and Closed Issues

## Open Issues

| Issue Id | Description | Opened By | Responsible | Due Date |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

## Closed Issues

| Issue Id | Description | Resolution | Signoff | Closed Date |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
|  |  |  |  |  |

# Appendix

NA