Oracle® Performance Analytics

Operational User Guide

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Preface

This section provides information about the Oracle Financial Services Performance Analytics (OFS IPA) Application User Guide. OFS IPA Application is packaged as part of the OFS PFT Applications Pack.

Topics:

- Audience
- Access to Oracle Support
- Related Information Sources
- Additional Documents to Read
- Conventions
- Abbreviations

1.1 Audience

This user guide is intended for the users of the Oracle Financial Services Performance Analytics (OFS IPA) Application.

1.2 Access to Oracle Support

Oracle customers have access to electronic support through My Oracle Support. For more information, visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info or visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs if you are hearing impaired.

1.3 Related Information Sources

This section identifies additional documents related to the OFS IPA Application.

You can access the below documents online from the Oracle Help Center (OHC) Documentation Library for OFS PA Applications Pack:

- OFS Performance Analytics Application Pack Release Notes
- OFS Performance Analytics Applications Pack Installation and Configuration Guide
- OFS Performance Analytics Business User Guide
- OFS Performance Analytics Business Administration Guide
- OFS Performance Analytics OBIEE Reports User Guide Release

Performance Analytics Security Guides:

- OFS Institutional Performance Analytics Security Guide Release 8.1.x
- OFS Retail Performance Analytics Security Guide Release 8.1.x

Performance Analytics Cloning Reference Guides:

- OFS Institutional Performance Analytics Cloning Reference Guide Release 8.1.x

- OFS Retail Performance Analytics Cloning Reference Guide Release 8.1.x

Data Protection Guide:

- OFS Performane Analytics Data Protection Guide Release 8.1.x

1.4 Additional Documents to Read

Oracle Financial Services Profitability Analytics Applications Pack is built on the Oracle Financial Services Advanced Analytical Applications Infrastructure (OFS AAI).

See the following OFS AAI Documents as no separate documents are required at the pack or application level for Oracle Financial Services Profitability Analytics Applications Pack:

- OFS Analytical Applications Infrastructure (OFS AAAI) Application Pack Installation and Configuration Guide Release 8.1.2.0.0
- OFS Analytical Applications Infrastructure Administration Guide Release 8.1.x
- OFS Analytical Applications Infrastructure User Guide Release 8.1.2.0.0
- OFS Analytical Applications Infrastructure Cloning Reference Guide Release 8.1.x
- OFS Analytical Applications Infrastructure Security Guide Release 8.1.x

You can access the common document from the OHC Documentation Library:

- OFSAA Licensing Information User Manual
- OFS Analytical Applications 8.1.2.0.0 Technology Matrix
-

1.5 Conventions

The following text conventions are used in this document:

Table 1-1 Conventions Used in this Guide

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action or terms defined in text or the glossary.
italic	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, file names, text that appears on the screen, or text that you enter.
Hyperlink	Hyperlink type indicates the links to external websites, internal document links to sections.

1.6 Abbreviations

The following table lists the abbreviations used in this document:

Abbreviation	Meaning
BDP	Big Data Processing
DBA	Database Administrator
DDL	Data Definition Language
DEFQ	Data Entry Forms and Queries
DML	Data Manipulation Language
EAR	Enterprise Archive
EJB	Enterprise JavaBean
ERM	Enterprise Resource Management
FTP	File Transfer Protocol
HDFS	Hadoop Distributed File System
HTTPS	Hypertext Transfer Protocol Secure
J2C	J2EE Connector
J2EE	Java 2 Enterprise Edition
JCE	Java Cryptography Extension
JDBC	Java Database Connectivity
JDK	Java Development Kit
JNDI	Java Naming and Directory Interface
JRE	Java Runtime Environment
JVM	Java Virtual Machine
LDAP	Lightweight Directory Access Protocol
LHS	Left Hand Side
MFA	Multi-Factor Authentication
MOS	My Oracle Support
OFSAA	Oracle Financial Services Analytical Applications
OFSAAI	Oracle Financial Services Analytical Application Infrastructure
OFSAAAI	Oracle Financial Services Advanced Analytical Applications Infrastructure Application Pack
OHC	Oracle Help Center
OLAP	On-Line Analytical Processing
OLH	Oracle Loader for Hadoop
ORAAH	Oracle R Advanced Analytics for Hadoop
OS	Operating System
RAM	Random Access Memory
RDBMS	Relational Database Management System
RHEL	Red Hat Enterprise Linux
SFTP	Secure File Transfer Protocol
SID	System Identifier
SSL	Secure Sockets Layer
TNS	Transparent Network Substrate
URL	Uniform Resource Locator
VM	Virtual Machine
WAR	Web Archive
XML	Extensible Markup Language

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Download Specifications

Download Specification is an excel file that allows you to manage the sourcing of data to the IPA Staging Area. The Download Specification maps the Staging Data Model to use cases. This is done by mapping the Staging Model at a column level to use cases. This mapping information is embedded in ERwin at a column level using metadata called User Defined Properties (UDPs).

The Download specifications are extracted by using pre-built templates similar to the Data Dictionary. Due to confidentiality reasons, the Download Specifications are only available on My Oracle Support. For more information, see Other Documents.

3
Run Chart

Run Chart allows the consultant to understand the sequence of tasks to be performed to ensure valid Data Flow in the product. It contains the details about Data Loading for all mandatory tables for the product and the sequence of execution of Seeded Tasks or Batches.

OFS PA provides Run Charts that lists the tasks required for the population of data for OFS PA Reports. The following tasks are covered in the OFS PA Run Charts:

- Stage Dimension Load
- Common Data Population (for example Exchange Rate)
- Set up Table Population
- Dimensions
- Facts
- Profitability Tables Population
- Model Execution
- Derived Entity Refresh
- Cubes Build

Due to confidentiality reasons, the Run Charts are only available on My Oracle Support. For more information, see Other Documents.

For more information, see Oracle Financial Services Analytical Applications Infrastructure User Guide.

4
Direct Loads

Direct Load enables you to Fast Load the tables into the Oracle Database.

For more information on Direct Load, see the Oracle Financial Services Analytical Applications Infrastructure User Guide.

The following tables must be loaded using the Direct Load Method before the Run Charts are executed:

Table 4-1 Direct Load Tables

Table Name	Description
FSI_M_USER	Stores all the users who are not Relationship Managers but are Business Users who have access to data at different levels. The User ID in this table should match the User's Login ID of OBIEE.
FSI_M_USER_MANAGER_MAP	Stores all the users who are Relationship Managers. V_User_name should hold the Obiee Login ID of the user who is a Relationship Manager. The Manager Code Column should match with the entry in dim_management.
DIM_REGION	A gergraphical region to which the customer belongs.
FCT_REG_CAP_ACCOUNT_SUMMARY	Stores the regulatorty capital related information from the BASEL Applications.This table must be loaded after loading the DIM Tables.

4.1 Verification of Exchange Rates T2T

You must verify that a join in the T2T FSI EXCHANGE RATES is correct as part of the Installer in a pack-on-pack scenario. If the join is not correct, you must change it.

To change the ANSIJOIN, perform the following steps:

1. 1. Navigate to **Financial Services Performance Analytics**, select **Data Management Framework**, select **Data Management Tools**, and then select **Data Mapping**.
   The Data Mappings window is displayed.
2. Select the row of the T2T definition and then select **Edit**.
   The Data Mapping window to edit the T2T Definition is displayed.
3. Select Map to modify the ANSIJOIN parameter.
4. Enter the following condition in the **ANSI Join** field of the **Join/Filter** pane:
   `VW_FSI_RATE_TRIANGULATION INNER JOIN DIM_RUN ON DIM_RUN.N_RUN_SKEY = -1`
5. Click **OK**.
6. Click **Save**.
   The ANSIJOIN is modified.

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Run Chart Execution

The execution of Run Chart starts by running the Data Foundation Processes.

Due to confidentiality reasons, the Run Charts are only available on My Oracle Support. For more information, seeOther Documents.

In case of an integrated environment, if the DIM_DATES table has intermittent records, then the user should clean up the DIM_DATES table by temporarily disabling the FKs (Foreign Keys) and then execute the OOTB Seeded Run: RN_DATES for the entire range.

To get the correct LTV Values, the Customer needs to execute the Run Chart from earliest Start Date across all accounts.

- The Data Foundation Processes
  - **Reference Data Load (Dimensions)**: The Reference Data Load is needed to load all the Dimensions.
  - **Currency Conversion Load**: This loads the Exchange Rate Data.
  - **Party Load**: This loads all the Dimensions related to Party like DIM_PARTY, DIM_CUSTOMER along with MLS Tables and Derived Entities.
  - **Account Load (Dimension + Facts)**: This loads all the relevant Dimensions and Fact Data for the Instrument Tables.
  - **Party Facts Load**: This Loads Facts at the granularity of Party like FCT_COMMON_CUSTOMER_SUMMARY, FCT_CRM_CUSTOMER_SUMMARY, and so on.
  - **Transaction Data Load (Dimension + Facts)**: This loads detailed Account Transaction Data and the Summaries.
  - **Application Data Load**: This loads data that is part of the information provided by Customers while applying for a particular Product.
  - **Opportunity Data Load**: This loads data corresponding to potential Business Opportunities and leads that are available to the Bank along with the conversion stages.
  - **Management Data Load**: This loads data corresponding to the Banks Client Relationship Managers and their corresponding Professional Hierarchies.
- PFT Integration
- FTP Integration
- Profitability Load
- Projections (ARIMA Model)
- Reporting Line Correlation (Regression Model)
- Segmentation

This ends the Base Run Chart Execution.