# OFS Liquidity Risk Solution Pack

## Installation Guide

## Release 8.0.8.2.8

## May 20222

ORACLE
Financial Services

ORACLE

OFS Liquidity Risk Solution Pack Installation Guide

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# Document Control

| Version Number | Revision Date | Changes Done |
|---|---|---|
| Version 1.0 | June 2021 | Created document to capture OFS LRS 8.0.8.2.0 Maintenance Level Release. |
| Version 2.0 | July 2021 | Updated section Pre-installation Requirements with pre-installation steps for upgrading from OFS LRS v8.0.8.1.0 to LRS v8.0.8.2.0 |
| Version 3.0 | September 2021 | Added Post-Installation Requirements section |
| Version 4.0 | October 2021 | Renamed Post-Installation Requirements section to Additional Requirements section and added additional Data Model attributes for OFS LRS 8.0.8.2.3 patch. |
| Version 5.0 | December 2021 | Added the Additional Requirements section for the 8.0.8.2.4 patch and Data Model Attributes table for the 8.0.8.2.5 patch release. |
| Version 6.0 | January 2022 | Added the Additional Requirements section for the 8.0.8.2.6 patch release. |
| Version 7.0 | April 2022 | Added the Additional Requirements section for the 8.0.8.2.7 patch release. |
| Version 8.0 | May 2022 | Added the Additional Requirements section for the 8.0.8.2.8 patch release. |

**Executive Summary**

This document includes the necessary instructions to apply the OFS LRS 8.0.8.2.0 Maintenance Level Release and perform the required post-install configurations. You can find the latest copy of this document in the OHC Documentation Library which includes all the recent additions or revisions (if any).

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# 1 Preface

This document provides step-by-step instructions to install the Oracle Financial Services Liquidity Risk Solution (OFS LRS) Application Pack 8.0.8.2.0 Maintenance Level Release.

This chapter discusses the following topics:


- Audience
- Recommended Environment
- Related Documents
- Conventions and Acronyms


## 1.1 Audience

The OFS LRS Application Pack Installation Guide is intended for administrators and implementation consultants who are responsible for installing and maintaining the application pack components.

### 1.1.1 Prerequisites for the Audience

The document assumes that you have experience in installing Enterprise components and basic knowledge about the following:

- Oracle Financial Services Liquidity Risk Solution Application Pack components
- OFSAA Architecture
- UNIX Commands
- Database Concepts
- Web Server or Web Application Server

## 1.2 Recommended Environment

Infrastructure application has been tested with Microsoft Internet Explorer™ browser. For best viewing of pages, set the screen resolution to a minimum resolution of 1024 x 768 pixels.

### 1.2.1 Access to Oracle Support

Oracle customers have access to electronic support through My Oracle Support. For 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 Documents

See the following OFS Liquidity Risk Solution Applications Pack documents available in the OHC Documentation Library.

- *Oracle Financial Services Liquidity Risk Measurement and Management User Guide Release 8.0.8.0.0*
- *OFS Liquidity Risk Measurement and Management Release* 8.0.8.*0.0 Analytics User Guide*
- *OFS Liquidity Risk Measurement and Management Release* 8.0.8.*0.0 User Guide*
- *OFS Liquidity Risk Regulatory Calculations for Reserve Bank of India* 8.0.8.*0.0 User Guide*
- *OFS Liquidity Risk Regulatory Calculations for US Federal Reserve* 8.0.8.*0.0 User Guide*
- *OFS Liquidity Risk Regulatory Calculations for European Banking Authority* 8.0.8.*0.0 User Guide*
- *OFS Liquidity Risk Regulatory Calculations for Bank of Thailand* 8.0.8.*0.0 User Guide*
- *OFS Liquidity Risk Regulatory Calculations for Bank Negara Malaysia* 8.0.8.*0.0 User Guide*
- *OFS Liquidity Risk Regulatory Calculations for Monetary Authority of Singapore* 8.0.8.*0.0 User Guide*
- *OFS Liquidity Risk Regulatory Calculations for Hong Kong Monetary Authority* 8.0.8.*0.0 User Guide*
- Oracle Financial Services Analytical Applications Infrastructure User Guide (OHC Documentation Library)
- Oracle Financial Services Analytical Applications Infrastructure Installation Guide (OHC Documentation Library)

## 1.4 Conventions and Acronyms

The following table lists the conventions and acronyms used in the document.

**Table 1: Conventions and Acronyms**

| Conventions | Description |
|---|---|
| Screen actions are indicated in Bold | |
| IR | Interim Release |
| ML | Maintenance Level Release |
| OFSAAI | Oracle Financial Services Analytical Applications Infrastructure |
| OFS LRS | Oracle Financial Services Liquidity Risk Solution |
| OFS LRM | Oracle Financial Services Liquidity Risk Management |
| OHC | Oracle Help Center |
| AIX | Advanced Interactive eXecutive |
| RHEL | Red Hat Enterprise Linux |
| OEL | Oracle Enterprise Linux |
| OS | Operating System |

| Conventions | Description |
|---|---|
| EAR / WAR | Enterprise Archive or Web Archive |
| J2EE | Java 2 Enterprise Edition |
| OTN | Oracle Technology Network |
| Atomic Schema | Database Schema where the application Data Model is uploaded. |
| Configuration Schema | Database Schema which contains setup related configurations and metadata. |

# 2 OFS LRS Release 8.0.8.2.0

OFS LRS v8.0.8.2.0 Maintenance Level (ML) release includes all the bug fixes and minor enhancements since the previous Maintenance release v8.0.8.1.0.

**NOTE**

- If you have defined any custom Run purpose, ensure to take a backup of the tables FSI_LRM_LOOKUP_TL and FSI_LRM_PROCESS_PURPOSE_MAP, before you run the upgrade.
- In an environment consisting of multiple OFSAA applications, if the October 2020 Critical Patch Update is applied for any one application, it is mandatory to apply the respective October 2020 Critical Patch Updates for all other applications on that OFSAA instance, regardless of the application's version. See the My Oracle Support Doc ID 2724021.1 for details.

## 2.1 Pre-installation Requirements

The prerequisites are as follows:

- You should have OFS LRS v8.0.8.0.0 as the minimum patch set level.
- OFS LRS Release v8.0.8.2.0 is compatible with WebLogic 12.2.x and does not support WebLogic 12.1.3. If the WebLogic version is 12.1.3, upgrade to WebLogic 12.2.x.
- Login to My Oracle Support. Download and install the one-off patch **32433104** (OFS AAI 8.0.8.4.0).
- Oracle Database Release 19c Client and Server configuration:
  - For a fresh install of OFS LRS v8.0.8.2.0 with Oracle Database Release 19c Client and Server, modify the `VerInfo.txt` file in the `OFS_LRS_PACK/OFS_AAI/bin` directory as follows:

    ```
    SunOS_VERSION=5.10,5.11
    Linux_VERSION=6,7
    DB_CLIENT_VERSION=11.1,11.2,12.1,12.2,18.0,19.0
    DB_SERVER_VERSION=11,12,18,19
    JAVA_VERSION=1.7,1.8
    ```

  - For details about configuring the Oracle Database Release 19c Server and Client for existing installations of OFSAA running Oracle Database Release 12c Server and Client, see the MOS Doc ID: 2699715.1.
- The following pre-installation steps for upgrading from OFS LRS v8.0.8.0.0 to LRS v8.0.8.2.0 must be performed:
  - Log in to the Config Schema.
  - Execute the following statement to create a backup table for the AAI_APP_PACK_B table:

    ```
    CREATE TABLE AAI_APP_PACK_B_LRS_808_BKP AS
    ```

```
SELECT * FROM AAI_APP_PACK_B
/
```

- Execute the following statement to create the backup table for the AAI_APP_B table:

```
CREATE TABLE AAI_APP_B_LRS_808_BKP AS
SELECT * FROM AAI_APP_B
/
```

- Execute the following statements:

```
UPDATE AAI_APP_PACK_B
SET V_VERSION = '8.0.8.0.0'
WHERE V_APP_PACK_ID = 'OFS_LRS_PACK'
/
UPDATE AAI_APP_B
SET V_VERSION = '8.0.8.0.0'
WHERE V_APP_ID IN ('OFS_LRM_LCR', 'OFS_LRM_DIC')
/
COMMIT
/
```

- The following pre-installation steps for upgrading from OFS LRS v8.0.8.1.0 to LRS v8.0.8.2.0 must be performed:
  - Log in to the Config Schema.
  - Execute the following statement to create a backup table for the AAI_APP_PACK_B table:

```
CREATE TABLE AAI_APP_PACK_B_LRS_8081_BKP AS
SELECT * FROM AAI_APP_PACK_B
/
```

  - Execute the following statement to create the backup table for the AAI_APP_B table:

```
CREATE TABLE AAI_APP_B_LRS_8081_BKP AS
SELECT * FROM AAI_APP_B
/
```

  - Execute the following statements:

```
UPDATE AAI_APP_PACK_B
SET V_VERSION = '8.0.8.0.0'
WHERE V_APP_PACK_ID = 'OFS_LRS_PACK'
/
UPDATE AAI_APP_B
SET V_VERSION = '8.0.8.0.0'
WHERE V_APP_ID IN ('OFS_LRM_LCR', 'OFS_LRM_DIC')
/
```

```
UPDATE AAI_APP_B
SET V_VERSION = '8.0.8.0.0'
WHERE V_APP_ID IN ('OFS_LRM_LCR_HKMA')
/
COMMIT
/
```

## 2.2 Installing This Maintenance Level Release

To install this ML release, follow these steps:

1. Login to My Oracle Support and search for **32949023** under the *Patches & Updates* tab.
2. Download the *OFSAA 8.0.8.0.0 LRS ML RELEASE #2* archive file and copy it to your OFSAA server in Binary mode.

> **NOTE** There are different archive files for different operating systems such as Solaris, and RHEL or OEL.

3. Stop all the OFSAAI services.
   For more information, see the Stopping Infrastructure Services section in the Oracle Financial Services Liquidity Risk Solution Installation Guide 8.0.8.0.0.

> **ATTENTION** On the 10th of December 2021, Oracle released Security Alert CVE-2021-44228 in response to the disclosure of a new vulnerability affecting Apache Log4J before version 2.15. The application of the **33663417** Mandatory Patch fixes the issue.
>
> For details, see the My Oracle Support Doc ID 2827801.1.
>
> Ensure that you reapply the 33663417 Mandatory Patch whenever you install or upgrade the application or apply an incremental patch.

4. Login to the OFSAA server as a non-root user and navigate to the `$FIC_HOME` folder.
5. Assign WRITE permission to the file or folders such as commonscripts, EXEWebService, ficapp, ficweb, and ficdb by executing the command:

   ```
   chmod -R 775 *
   ```

6. If you have Unzip utility, skip to the next step or download the Unzip utility (OS-specific) and copy it in Binary mode to the directory that is included in your PATH variable, typically `$HOME` path or directory in which you have copied the 8.0.8.2.0 ML.
   - Uncompress the unzip installer file using the command:

     ```
     uncompress unzip_<os>.Z
     ```

> **NOTE** If you notice an error message "*uncompress: not found [No such file or directory]*" when the package is not installed, contact your UNIX administrator.

- Give EXECUTE permission to the utility using the command:

  `chmod 751 unzip_<os>`

7. Extract the contents of the 8.0.8.2.0 ML archive file using the following command:

   `unzip <name of the file to be unzipped>`

8. Update the configuration file `params.conf` before triggering the installation. The `params.conf` file is available for LCR and DIC separately, in the directories: `OFS_LRS_PACK/OFS_LRM_LCR/conf` and `OFS_LRS_PACK/OFS_LRM_DIC/conf`. Ensure to modify the file in both the folders, irrespective of the licensing.

   Following are the input parameters for the `params.conf` file:

   **Model Upload Process**: Input values required are 0/1

   - 1 indicates Trigger Model Upload
   - 0 indicates Skip Model upload process

   If the value is 1, then the next option is to specify the type of Model Upload.

   - 0 indicates Released Data Model
   - 1 indicates Customized Data Model

   If the value of Model Upload type is 1, then provide the inputs for the Data Model name and the path of Data Model.

9. Give EXECUTE permission to the ML patch installer script. Navigate to the `OFS_LRS_PACK` directory and execute the command:

   `chmod 755 OFSAAIUpdate.sh`

10. Execute the following install command:

    `./OFSAAIUpdate.sh`

11. Verify if the ML is applied successfully by checking the log files generated in the directories: `OFS_LRS_PACK/OFS_LRM_DIC/logs` and `OFS_LRS_PACK/OFS_LRM_LCR/logs`. You can ignore the ORA-00001 and ORA-02292 errors in the log file. In case of any other errors, contact My Oracle Support.

    See the log files in the following locations, for OFS LRS Application Pack installation, as per the SKUs licensed.

**Table 2: OFS LRS Installation Log File Paths**

| Product | Installation Log Path | Debug Log Path |
|---|---|---|
| LCR | OFS_LRS_PACK/OFS_LRM_LCR/logs | OFS_LRS_PACK/OFS_LRM_LCR/logs |
| DIC | OFS_LRS_PACK/OFS_LRM_DIC/logs | OFS_LRS_PACK/OFS_LRM_DIC/logs |

| Product | Installation Log Path | Debug Log Path |
|---|---|---|
| LCR-USFED | OFS_LRS_PACK/OFS_LRM_LCR/OFS_LRM_LCR_USFED/logs | |
| LCR-RBI | OFS_LRS_PACK/OFS_LRM_LCR/OFS_LRM_LCR_RBI/logs | |
| LCR-EBA | OFS_LRS_PACK/OFS_LRM_LCR/OFS_LRM_LCR_EBA/logs | |
| LCR-BOT | OFS_LRS_PACK/OFS_LRM_LCR/OFS_LRM_LCR_BOT/logs | |
| LCR-BNM | OFS_LRS_PACK/OFS_LRM_LCR/OFS_LRM_LCR_BNM/logs | |
| LCR-MAS | OFS_LRS_PACK/OFS_LRM_LCR/OFS_LRM_LCR_MAS/logs | |
| LCR-HKMA | OFS_LRS_PACK/OFS_LRM_LCR/OFS_LRM_LCR_HKMA/logs | |
| DIC-USFED | OFS_LRS_PACK/OFS_LRM_DIC/OFS_LRM_DIC_USFED/logs | |
| DIC-BNM | OFS_LRS_PACK/OFS_LRM_DIC/OFS_LRM_DIC_BNM/logs | |
| DIC-MAS | OFS_LRS_PACK/OFS_LRM_DIC/OFS_LRM_DIC_MAS/logs | |
| DIC-HKMA | OFS_LRS_PACK/OFS_LRM_DIC/OFS_LRM_DIC_HKMA/logs | |

**NOTE** See the OFS Analytical Applications Technology Matrix for a list of supported servers for OFS LRS 8.0.8.0.0.

OFS LRS 8.0.8.2.0 is not qualified on AIX Operating System.

**12.** After successful installation of the ML, perform the following steps:

- Clear the application cache. Navigate to the following directory depending on the configured Web Application Server and delete the files:
  - **Tomcat**: <Tomcat installation folder>/work/Catalina/localhost/<Application name>/org/apache/jsp
  - **WebLogic**: <WebLogic installation location>/domains/<Domain name>/servers/<Server name>/tmp/_WL_user/<Application name>
  - **WebSphere**: <WebSphere installation directory>/AppServer/profiles/<Profile name>/temp/<Node name>/server1/<Application name>/<.war file name>
- Deploy the RPD and Web Catalog file(s):

> **NOTE** OFS LRS Release v8.0.8.2 supports Oracle Business Intelligence 12C (12.2.1.4.0) installation. The OFS Liquidity Risk Regulatory Calculations for Hong Kong Monetary Authority (OFS LRRCHKMA) regulatory templates are available only in OBIEE 12C. See *OBIEE Configuration Steps to Deploy OFS LRM Analytics* section in Oracle Financial Services Liquidity Risk Solution Installation Guide – Release 8.0.8.0.0 for details.

- Take a backup of deployed `Liquidity_Risk_Management_Pack.rpd` and `HKMA LMR.catalog` files from the OBIEE environment.
- Navigate to the $FIC_HOME/TR_BI/repository/ directory which contains the Liquidity_Risk_Management_Pack.rpd file and the $FIC_HOME/TR_BI/catalog/ directory which contains the Liquidity_Risk_Management_Pack.catalog file. Deploy both the files into OBIEE deployment area.
- Modify the connection pool and set the properties.
- Any customization performed on the older RPD and Web Catalog files must be manually carried over to the new files post-deployment.
- Clear OBIEE cache, if enabled.
- For more information about deploying the RPD and Web Catalog files, see *Deploying the Application* section in Oracle Financial Services Liquidity Risk Solution Installation Guide – Release 8.0.8.0.0.
- Delete the existing EAR or WAR file available in the `$FIC_HOME/ficweb` directory.

13. Add unmask 0027 in the `.profile` of the UNIX account which manages the Web Server to ensure restricted access permissions.
14. Navigate to the Web Component deployed area. If you are deploying on a fresh environment, then delete the generated `.war` file. If you are installing in an existing environment, then delete the generated `.war` file and the folder created along with it.
15. Generate the application EAR or WAR file and redeploy the application onto your configured Web Application Server.
    For more information on generating and deploying the EAR or WAR file, see the *Post-Installation Configurations* section in the Oracle Financial Services Liquidity Risk Solution Installation Guide 8.0.8.0.0.
16. Restart all the OFSAAI services.
    For more information, see the Starting Infrastructure Services section in the Oracle Financial Services Liquidity Risk Solution Installation Guide 8.0.8.0.0.

# 2.3 Additional Requirements

## 2.3.1 Additional requirements for 8.0.8.2.3 One-off patch

Ensure that you run the following steps for installing the OFS LRS 8.0.8.2.3 One-off patch.

- Log in to the Atomic Schema and execute the following Update statement:

```
UPDATE SETUP_MASTER
SET V_COMPONENT_VALUE = '3,7,8,9,16,18,20,21,23,24'
WHERE V_COMPONENT_CODE =
'CALC_USED_PORTION_PLCD_COLL_USING_MKT_VALUE'
/
COMMIT
/
```

- Add the following Data Model attributes:

**Table 3: Data Model Attributes for 8.0.8.2.3 One-off patch**

| Physical Table Name | Column Name | Logical Name | Data Type | Domain | Null Allowed ? | PK | FK | Reference Table Name | Reference Column Name | Column Comments | Old Column Name | Bug ID | Remarks | Column Default Value (If Any) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DIM_PROGRAM_MASTER | V_APPROVAL_AUTH_PARTY_ID | Approval Authority Party Identifier | VARCHAR2(50) | Code_Alphanumeric_Long_Type3 | Yes | No | No | | | This column stores the party identifier of the authority who has provided the program approval. | | | | |
| DIM_PROGRAM_MASTER | D_APPROVAL_DATE | Approval Date | DATE | DATE | Yes | No | No | | | This column stores the approval date of the program. | | | | |

## 2.3.2 Additional requirements for 8.0.8.2.4 One-off patch

Ensure that you add the following Data Model attributes for processing and results for OFS LRS 8.0.8.2.4 One-off patch.

**Table 4: Data Model Attributes for 8.0.8.2.4 One-off patch**

| Physical Table Name | Column Name | Logical Name | Data Type | Domain | Null Allowed? | PK | FK | Reference Table Name | Reference Column Name | Column Comments | Old Column Name | Bug ID | Remarks | Column Default Value (If Any) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FSI_LRM_BR_CNTRY_SUMMARY_DTLS | N_CONSOL_L1_AMT_RCY | Consolidated Level 1 Asset Amount In Reporting Currency | NUMBER (22,3) | AMOUNT | Yes | No | | | | This column stores the amount of consolidated level 1A asset amount in reporting currency. | | 33603149 | | |
| FSI_LRM_BR_CNTRY_SUMMARY_DTLS | N_CONSOL_L2A_AMT_RCY | Consolidated Level 2A Asset Amount In Reporting Currency | NUMBER (22,3) | AMOUNT | Yes | No | | | | This column stores the amount of consolidated | | 33603149 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | level 2A asset amount in reporting currency. | | | | |
| FSI_LRM_BR_CNTRY_SUMMARY_DTLS | N_CNSL_L2B_RMBS_AMT_RCY | Consolidated Level 2B Residential Mortgage Based Security Asset Amount In Reporting Currency | NUMBER (22,3) | AMOUNT | Yes | No | | | | This column stores the amount of consolidated level 2B residential mortgage based securities asset amount in reporting currency. | | 33 60 31 49 | | |
| FSI_LRM_BR_CNTRY_SUMMARY_DTLS | N_CNSL_L2B_NRMBS_AMT_RCY | Consolidated Level 2B Non Residential Mortgage Based Security Asset Amount In | NUMBER (22,3) | AMOUNT | Yes | No | | | | This column stores the amount of consolidated level 2B non | | 33 60 31 49 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Reporting Currency | | | | | | | | residential mortgage based securities asset amount in reporting currency. | | | | |
| FSI_LRM_BR_CNTRY_SUMMARY_DTLS | N_CONSOL_L2B_AMT_RCY | Consolidated Level 2B Asset Amount In Reporting Currency | NUMBER (22,3) | AMOUNT | Yes | No | | | | This column stores the amount of consolidated level 2B asset amount in reporting currency. | | 33 60 31 49 | | |
| FSI_FCAST_ALLOCATED_BALANCES | N_BRANCH_SKEY | Branch Surrogate Key | NUMBER (10) | SurrogateKey_Long | Yes | No | | | | This column stores the surrogate key of the branch. | | 33 60 31 49 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FSI_LRM_RUN_PARAM | V_CONSOLIDATION_BASIS | Consolidation Basis | VARCHAR2(30) | Text_Short_Description | Yes | No | | | | This column stores the consolidation basis. If the Consolidation type is Solo then the column stores the value as '1' for Hongkong Basis and the value as '2' for Unconsolidated basis. | | 33 60 31 49 | | |
| FCT_FCAST_AGG_CASH_FLOWS | N_BRANCH_SKEY | Branch Surrogate Key | NUMBER(10) | SurrogateKey_Long | Yes | No | | | | This stores the surrogate key of the branch. | | 33 60 31 49 | | |
| FCT_LRM_RUN_PARAM | V_CONSOLIDATION_BASIS | Consolidation Basis | VARCHAR2(30) | Text_Short_Description | Yes | No | | | | This column stores the consolidation basis. If the Consolidation type is | | 33 60 31 49 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Solo then the column stores the value as '1' for Hongkong Basis and the value as '2' for Unconsolidated basis. | | | | |

## 2.3.3 Additional Requirements for 8.0.8.2.5 One-off patch

Add the following Data Model attributes for 8.0.8.2.5 patch release.

**Table 4: Data Model Attributes for 8.0.8.2.5 patch release**

| Physical Table Name | Column Name | Logical Name | Data Type | Domain | Null Allowed? | PK | FK | Reference Table Name | Reference Column Name | Column Comments | Old Column Name | Bug ID | Remarks | Column Default Value (If Any) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STG_TRUSTS | D_VALUE_DATE | VALUE DATE | DATE | DATE | Yes | No | No | | | This column stores the value date of the contract. Value date is the date on which the contract becomes effective. | | | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FSI_LRM_INSTRUMENT | N_EOP_NET_COLL_RCVD_PST_HC_AMT | End Of Period Balance Net of Collateral Received Post Haircut Amount | NUMBER (22,3) | NUMBER | Yes | No | NO | | | This attribute stores the End of Period Balance Net of Collateral Received Post Haricut Amount. The column is derived by the app. | | | | |
| FSI_LRM_INSTRUMENT | N_EOP_NET_COLL_PLCD_PST_HC_AMT | End Of Period Balance Net of Collateral Placed Post Haircut Amount | NUMBER (22,3) | NUMBER | Yes | No | No | | | This attribute stores the End of Period Balance Net of Collateral Placed Post Haricut Amount. The column is derived by the app. | | 3360 3149 | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FSI_LRM_ASSETS | F_ISSUER_BRNCH_CCY_MATCH_FLAG | Issuer Branch currency Match Flag | CHAR(1) | FLAG | Yes | No | | | | This attribute identifies whether the currency of the issuer matches the currency of any branch in the given Run. A value of 'Y' indicates that the issuer currency matches the currency of any one of the branches within the Run. It is used to classify an asset as a high-quality | | 3360 3149 | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | liquid asset. | | | | |
| FSI_LRM_INSTRUMENT | F_ISSUER_BRNCH_CCY_MATCH_FLAG | Issuer Branch currency Match Flag | CHAR(1) | FLAG | Yes | No | | | | This attribute identifies whether the currency of the issuer matches the currency of any branch in the given Run. A value of 'Y' indicates that the issuer currency matches the currency of any one of the branches within the Run. It is used to classify an asset | | 3360 3149 | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | as a high-quality liquid asset. | | | | |
| FCT_ACCOUNT_CASH_FLOWS | N_LMT_CASHFLOW_MAT_BAND_SKEY | LMT Cashflow Maturity Band Surrogate Key | NUMBER (10) | SURROGATE KEY_LONG | Yes | No | | | | This attribute captures the surrogate key of the Liquidity Monitoring Tool (LMT) maturity buckets. It is derived from Cashflow date. | | 33 60 31 49 | | |
| FCT_LRM_ACCOUNT_SUMMARY | N_EOP_NET_COLL_RCVD_PST_HC_AMT | End Of Period Balance Net of Collateral Received Post Haircut Amount | NUMBER (22,3) | NUMBER | Yes | No | | | | This attribute stores the End of Period Balance Net of Collateral Received Post Haricut Amount. The | | 33 60 31 49 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | column is derived by the app. | | | | |
| FCT_LRM_ACCOUNT_SUMMARY | N_EOP_NET_COLL_PLCD_PST_HC_AMT | End Of Period Balance Net of Collateral Placed Post Haircut Amount | NUMBER (22,3) | NUMBER | Yes | No | | | | This attribute stores the End of Period Balance Net of Collateral Placed Post Haricut Amount. The column is derived by the app. | | 33 60 31 49 | | |
| FCT_LRM_ACCOUNT_SUMMARY | F_ISSUER_BRNCH_CCY_MATCH_FLAG | Issuer Branch currency Match Flag | CHAR(1) | FLAG | Yes | No | | | | This attribute identifies whether the currency of the issuer matches the currency of any branch | | 33 60 31 49 | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | in the given Run. A value of 'Y' indicates that the issuer currency matches the currency of any one of the branches within the Run. It is used to classify an asset as a high-quality liquid asset. | | | | |
| FCT_LRM_LE_SUMMARY | N_CB_LIABILITY_OFFSET_AMT_RCY | Central Bank Liability Offset Amount In Reporting Currency | NUMBER (22,3) | AMOUNT | Yes | No | | | | This column captures the Liability Offset Amount of Central Bank. | | 3366 3553 | | |

## 2.3.4 Additional Requirements for 8.0.8.2.6 One-off patch

Add the following Data Model attributes for 8.0.8.2.6 patch release.

**Table 5: Data Model Attributes for 8.0.8.2.6 patch release**

| Physical Table Name | Column Name | Logical Name | Data Type | Domain | Null Allowed? | PK | FK | Reference Table Name | Reference Column Name | Column Comments | Old Column Name | Bug ID | Remarks | Column Default Value (If Any) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FCT_LRM_ACCOUNT_SUMMARY | N_UNSETTLED_AMOUNT | Unsettled Amount | NUMBER(22,3) | AMOUNT | Yes | No | | | | This column captures the unsettled amount of the security. | | 33603149 | | |
| FCT_LRM_ACCOUNT_SUMMARY | N_UNSETTLED_AMOUNT_LCY | Unsettled Amount In Local Currency | NUMBER (22,3) | AMOUNT | Yes | No | | | | This column captures the unsettled amount of the security in local currency. | | 33603149 | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FCT_LRM_ACCOUNT_SUMMARY | N_UNSETTLED_AMOUNT_RCY | Unsettled Amount In Reporting Currency | NUMBER (22,3) | AMOUNT | Yes | No | | | | This column captures the unsettled amount of the security in reporting currency. | | 33 60 31 49 | | |
| FCT_ACCOUNT_CASH_FLOWS | N_UNENCUMBERED_AMT_RCY | Unencumbered Amount In Reporting Currency | NUMBER (22,3) | AMOUNT | Yes | No | | | | This column captures the unencumbered cashflows in reporting currency. This column is derived by the application. | | 33 60 31 49 | | |
| FCT_LRM_ACCOUNT_SUMMARY | N_COLL_ADJTD_GROSS_DER_INFLOW | Collateral Adjusted Gross Derivative Inflows | NUMBER (22,3) | AMOUNT | Yes | No | | | | This column stores the value of Gross derivatives cash outflow | | 33 60 31 49 | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | s amount adjusted for corresponding eligible collateral. This column is derived by the app. | | | | |
| FCT_LRM_ACCOUNT_SUMMARY | N_COLL_ADJTD_GROSS_DER_OUTFLOW | Collateral Adjusted Gross Derivative Outflows | NUMBER (22,3) | AMOUNT | Yes | No | | | | This column stores the value of Gross derivatives cash inflows amount adjusted for corresponding eligible collateral. This column is derived by the app. | | 3360 3149 | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FCT_LRM_ACCOUNT_SUMMARY | N_CF_NET_OF_MINIMUM_AMOUNT | Cash Flows net of minimum amount | NUMBER (22,3) | AMOUNT | Yes | No | | | | This column stores the Cash Flows net of minimum amount. This column is derived by the app. | | 3360 3149 | | |
| FCT_LRM_ACCOUNT_SUMMARY | F_CUST_ENTITY_CNTRY_MATCH_FLAG | Customer and Entity Country Match Flag | CHAR(1) | Flag | Yes | No | NO | | | Stores the Customer and Entity Country Match Flag. The flag is Y if the country of reporting entity and the country of the customer are same else it is N. List of Values | | 3360 3149 | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | are Y and N. | | | | |
| FCT_FCAST_ASSUMPT_AUDIT_TRAIL | F_CUST_ENTITY_CNTRY_MATCH_FLAG | Customer and Entity Country Match Flag | CHAR(1) | Flag | Yes | No | No | | | Stores the Customer and Entity Country Match Flag. The flag is Y if the country of reporting entity and the country of the customer are same else it is N. List of Values are Y and N. | | 33 60 31 49 | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FCT_FCAST_AGG_CASH_FLOWS | F_CUST_ENTITY_CNTRY_MATCH_FLAG | Customer and Entity Country Match Flag | CHAR(1) | Flag | Yes | No | No | | | Stores the Customer and Entity Country Match Flag. The flag is Y if the country of reporting entity and the country of the customer are same else it is N. List of Values are Y and N. | | 3360 3149 | | |
| FCT_BUSS_ASSUMPT_AUDIT_TRAIL | F_CUST_ENTITY_CNTRY_MATCH_FLAG | Customer and Entity Country Match Flag | CHAR(1) | Flag | Yes | No | NO | | | Stores the Customer and Entity Country Match Flag. The flag is Y if the country of reportin | | 3360 3149 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | g entity and the country of the customer are same else it is N. List of Values are Y and N. | | | | |
| FCT_AGG_CASH_FLOWS | F_CUST_ENTITY_CNTRY_MATCH_FLAG | Customer and Entity Country Match Flag | CHAR(1) | Flag | Yes | No | No | | | Stores the Customer and Entity Country Match Flag. The flag is Y if the country of reporting entity and the country of the customer are same else it is N. List of Values are Y and N. | | 33 60 31 49 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FSI_LRM_INSTRUMENT | N_UNSETTLED_AMOUNT_LCY | Unsettled Amount In Local Currency | NUMBER(22,3) | AMOUNT | Yes | No | | | | This column captures the unsettled amount of the security in local currency. | | 3360 3149 | | |
| FSI_LRM_INSTRUMENT | N_COLL_ADJTD_GROSS_DER_INFLOW | Collateral Adjusted Gross Derivative Inflows | NUMBER(22,3) | AMOUNT | Yes | No | | | | This column stores the value of Gross derivatives cash outflows amount adjusted for corresponding eligible collateral. This column is derived by the app. | | 3360 3149 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FSI_LRM_INSTRUMENT | N_COLL_ADJTD_GROSS_DER_OUTFLOW | Collateral Adjusted Gross Derivative Outflows | NUMBER(22,3) | AMOUNT | Yes | No | | | | This column stores the value of Gross derivatives cash M_inflows amount adjusted for corresponding eligible collateral. This column is derived by the app. | | 33603149 | | |
| FSI_LRM_INSTRUMENT | N_CF_NET_OF_MINIMUM_AMOUNT | Cash Flows net of minimum amount | NUMBER(22,3) | AMOUNT | Yes | No | | | | This column stores the Cash Flows net of minimum amount. This column is derived by the app. | | 33603149 | | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FSI_LRM_INSTRUMENT | F_CUST_ENTITY_CNTRY_MATCH_FLAG | Customer and Entity Country Match Flag | CHAR(1) | Flag | Yes | No | NO | | | Stores the Customer and Entity Country Match Flag. The flag is Y if the country of reporting entity and the country of the customer are same else it is N. List of Values are Y and N. | | 3360 3149 | | |
| FSI_LRM_COMPOSITE_KEY_DIMS | F_CUST_ENTITY_CNTRY_MATCH_FLAG | Customer and Entity Country Match Flag | CHAR(1) | Flag | Yes | No | No | | | Stores the Customer and Entity Country Match Flag. The flag is Y if the country of reporting entity and the country of the customer are same else it is | | 3360 3149 | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | N. List of Values are Y and N. | | | | |
| FSI_FCAST_ALLOCATED_BALANCES | F_CUST_ENTITY_CNTRY_MATCH_FLAG | Customer and Entity Country Match Flag | CHAR(1) | Flag | Yes | No | No | | | Stores the Customer and Entity Country Match Flag. The flag is Y if the country of reporting entity and the country of the customer are same else it is N. List of Values are Y and N. | | 33 60 31 49 | | |
| STG_PLACED_COLLATERAL | N_UNSETTLED_AMOUNT | Unsettled Amount | NUMBER (22,3) | AMOUNT | Yes | No | No | | | This column captures the unsettled amount of the security. | | 33 60 31 49 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FCT_LRM_ACCOUNT_SUMMARY | F_OTH_ELIG_ASSETS_LIAB_FLAG | Other Eligible Assets or Liability Flag | CHAR(1) | Flag | Yes | No | No | | | This attribute is a process specific attribute for LRM process. It is used to identify asset/liability records which are not captured by any other reporting lines in LCR. The flag will be yes for the records which are not captured and No for other records. List of Values Y and N. | | 33<br>72<br>41<br>43 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FCT_BUSS_ASSUMPT_AUDIT_TRAIL | F_OTH_ELIG_ASSETS_LIAB_FLAG | Other Eligible Assets or Liability Flag | CHAR(1) | Flag | Yes | No | No | | | This attribute is a process specific attribute for LRM process. It is used to identify asset/liability records which are not captured by any other reporting lines in LCR. The flag will be yes for the records which are not captured and No for other records. List of Values Y and N. | | 33<br>72<br>41<br>43 | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FCT_FCAST_AGG_CASH_FLOWS | F_OTH_ELIG_ASSETS_LIAB_FLAG | Other Eligible Assets or Liability Flag | CHAR(1) | Flag | Yes | No | No | | | This attribute is a process specific attribute for LRM process. It is used to identify asset/liability records which are not captured by any other reporting lines in LCR. The flag will be yes for the records which are not captured and No for other records. List of Values Y and N. | | 33<br>72<br>41<br>43 | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FCT_AGG_CASH_FLOWS | F_OTH_ELIG_ASSETS_LIAB_FLAG | Other Eligible Assets or Liability Flag | CHAR(1) | Flag | Yes | No | No | | | This attribute is a process specific attribute for LRM process. It is used to identify asset/liability records which are not captured by any other reporting lines in LCR. The flag will be yes for the records which are not captured and No for other records. List of Values Y and N. | | 3372 4143 | | |

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| FCT_FCAST_ASSUMPT_AUDIT_TRAIL | F_OTH_ELIG_ASSETS_LIAB_FLAG | Other Eligible Assets or Liability Flag | CHAR(1) | Flag | Yes | No | No | | | This attribute is a process specific attribute for LRM process. It is used to identify asset/liability records which are not captured by any other reporting lines in LCR. The flag will be yes for the records which are not captured and No for other records. List of Values Y and N. | | 33<br>72<br>41<br>43 | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FSI_LRM_INSTRUMENT | F_OTH_ELIG_ASSETS_LIAB_FLAG | Other Eligible Assets or Liability Flag | CHAR(1) | Flag | Yes | No | No | | | This attribute is a process specific attribute for LRM process. It is used to identify asset/liability records which are not captured by any other reporting lines in LCR. The flag will be yes for the records which are not captured and No for other records. List of Values Y and N. | | 3372 4143 | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FSI_LRM_COMPOSITE_KEY_DIMS | F_OTH_ELIG_ASSETS_LIAB_FLAG | Other Eligible Assets or Liability Flag | CHAR(1) | Flag | Yes | No | No | | | This attribute is a process specific attribute for LRM process. It is used to identify asset/liability records which are not captured by any other reporting lines in LCR. The flag will be yes for the records which are not captured and No for other records. List of Values Y and N. | | 33<br>72<br>41<br>43 | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FSI_FCAST_ALLOCATED_BALANCES | F_OTH_ELIG_ASSETS_LIAB_FLAG | Other Eligible Assets or Liability Flag | CHAR(1) | Flag | Yes | No | No | | | This attribute is a process specific attribute for LRM process. It is used to identify asset/liability records which are not captured by any other reporting lines in LCR. The flag will be yes for the records which are not captured and No for other records. List of Values Y and N. | | 33<br>72<br>41<br>43 | | |

## 2.3.5 Additional Requirements for 8.0.8.2.7 One-off patch

Add the following Data Model attributes for 8.0.8.2.7 patch release.

**Table 6: Data Model Attributes for 8.0.8.2.7 patch release**

| Physical Table Name | Column Name | Logical Name | Data Type | Domain | Null Allowed? | PK | FK | Reference Table Name | Reference Column Name | Column Comments | Old Column Name | Bug ID | Remarks | Column Default Value (If Any) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STG_LEASES_CONTRACTS | F_RENEWABLE_FLAG | Renewable Flag | CHAR(1) | Flag | Yes | No | | | | This column indicates if the contract can be renewed. Renewal, in case of leases is the extension of the original | | 33984422 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | leases period which is applicable in case of leases that do not amortize over time like interest only leases. | | | | |
| FCT_LRM_ACCOUNT_SUMMARY | N_CREDIT_QUALITY_GRADE_SKEY | Credit Quality Grade Surrogate key | NUMBER (10) | SurrogateKey_Long | Yes | No | Non-Identifying | DIM_CREDIT_QUALITY_GRADE | N_CREDIT_QUALITY_GRADE_SKEY | This column stores the credit quality grade scoreskey. | | 3399 0322 | | |
| FCT_BUSS_ASSUMPT_ | N_CREDIT_QUALITY_GRADE_SKEY | Credit Quality Grade | NUMBER (10) | SurrogateKey_Long | Yes | No | Non-Ide | DIM_CREDIT_QUA | N_CREDIT_QUALITY_G | This colu mn | | 33 99 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AUDIT_TRAIL | | Surrogate key | | | | | ntifying | LITY_GRADE | RADE_SKEY | stores the credit quality grade score skey. | | 0322 | | |
| FCT_FCAST_AGG_CASH_FLOWS | N_CREDIT_QUALITY_GRADE_SKEY | Credit Quality Grade Surrogate key | NUMBER (10) | SurrogateKey_Long | Yes | No | Non-Identifying | DIM_CREDIT_QUALITY_GRADE | N_CREDIT_QUALITY_GRADE_SKEY | This column stores the credit quality grade score skey. | | 339903 22 | | |
| FCT_AGG_CASH_FLOWS | N_CREDIT_QUALITY_GRADE_SKEY | Credit Quality Grade Surrogate key | NUMBER (10) | SurrogateKey_Long | Yes | No | Non-Identifying | DIM_CREDIT_QUALITY_GRADE | N_CREDIT_QUALITY_GRADE_SKEY | This column stores the credit quality grade score skey. | | 339903 22 | | |
| FCT_FCAST_ASSUMPT_AUDIT_TRAIL | N_CREDIT_QUALITY_GRADE_SKEY | Credit Quality Grade | NUMBER (10) | SurrogateKey_Long | Yes | No | Non-Identif | DIM_CREDIT_QUALITY_GRADE | N_CREDIT_QUALITY_G | This column store | | 339903 22 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Surrogate key | | | | | ying | | RADE_SKEY | s the credit quality grade score skey. | | | | |
| FCT_LRM_ACCOUNT_SUMMARY | F_ACCT_BRANCH_CCY_MATCH_FLAG | Account and Branch Currency Match Flag | CHAR(1) | Flag | Yes | No | Non-Identifying | | | This attribute identifies whether the currency of the account matches the currency of any branch in the given Run. A value of 'Y' indicates that | | 33990322 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | the account currency matches the currency of any one of the branches within the Run. It is used to classify an asset as a high-quality liquid asset as per BOT guidelines. | | | | |
| FCT_BUSS_ASSUMPT_ | F_ACCT_BRANCH_CCY_MATCH_FLAG | Account and Branch | CHAR(1) | Flag | Yes | No | Non-Ide | | | This attribute | | 3399 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AUDIT_TRAIL | | Currency Match Flag | | | | | ntifying | | | identifies whether the currency of the account matches the currency of any branch in the given Run. A value of 'Y' indicates that the account currency matches the currency of any one | | 0322 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | of the branches within the Run. It is used to classify an asset as a high-quality liquid asset as per BOT guidelines. | | | | |
| FCT_FCAST_AGG_CASH_FLOWS | F_ACCT_BRANCH_CCY_MATCH_FLAG | Account and Branch Currency Match Flag | CHAR(1) | Flag | Yes | No | Non-Identifying | | | This attribute identifies whether the currency of the account matches | | 33990322 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | the currency of any branch in the given Run. A value of 'Y' indicates that the account currency matches the currency of any one of the branches within the Run. It is used to classify an asset | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | as a high-quality liquid asset as per BOT guidelines. | | | | |
| FCT_AGG_CASH_FLOWS | F_ACCT_BRANCH_CCY_MATCH_FLAG | Account and Branch Currency Match Flag | CHAR(1) | Flag | Yes | No | Non-Identifying | | | This attribute identifies whether the currency of the account matches the currency of any branch in the given Run. A value of 'Y' | | 3399 0322 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | indicates that the account currency matches the currency of any one of the branches within the Run. It is used to classify an asset as a high-quality liquid asset as per BOT guidelines. | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FCT_FCAST_ASSUMPT_AUDIT_TRAIL | F_ACCT_BRANCH_CCY_MATCH_FLAG | Account and Branch Currency Match Flag | CHAR(1) | Flag | Yes | No | Non-Identifying | | | This attribute identifies whether the currency of the account matches the currency of any branch in the given Run. A value of 'Y' indicates that the account currency matches the currency | | 3399 0322 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | of any one of the branches within the Run. It is used to classify an asset as a high-quality liquid asset as per BOT guidelines. | | | | |
| FCT_LRM_ACCOUNT_SUMMARY | F_ISS_BRANCH_CNTRY_MATCH_FLAG | Issuer Country matches any of the branch country Flag | CHAR(1) | Flag | Yes | No | Non-Identifying | | | This attribute identifies whether the country of the issuer | | 3399 0322 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | matches the country of any branch in the given Run. A value of 'Y' indicates that the issuer country matches the currency of any one of the branches within the Run. It is used to classify an | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | asset as a high-quality liquid asset as per BOT guidelines. | | | | |
| FCT_BUSS_ASSUMPT_AUDIT_TRAIL | F_ISS_BRANCH_CNTRY_MATCH_FLAG | Issuer Country matches any of the branch country Flag | CHAR(1) | Flag | Yes | No | Non-Identifying | | | This attribute identifies whether the country of the issuer matches the country of any branch in the given Run. A value of 'Y' indic | | 33990322 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | ates that the issuer country matches the currency of any one of the branches within the Run. It is used to classify an asset as a high-quality liquid asset as per BOT guidelines. | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FCT_FCAST_AGG_CASH_FLOWS | F_ISS_BRANCH_CNTRY_MATCH_FLAG | Issuer Country matches any of the branch country Flag | CHAR(1) | Flag | Yes | No | Non-Identifying | | | This attribute identifies whether the country of the issuer matches the country of any branch in the given Run. A value of 'Y' indicates that the issuer country matches the currency of any | | 3399 0322 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | one of the branches within the Run. It is used to classify an asset as a high-quality liquid asset as per BOT guidelines. | | | | |
| FCT_AGG_CASH_FLOWS | F_ISS_BRANCH_CNTRY_MATCH_FLAG | Issuer Country matches any of the branch country Flag | CHAR(1) | Flag | Yes | No | Non-Identifying | | | This attribute identifies whether the country of the issuer matches | | 33990322 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | the country of any branch in the given Run. A value of 'Y' indicates that the issuer country matches the currency of any one of the branches within the Run. It is used to classify an asset as a | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | high-quality liquid asset as per BOT guidelines. | | | | |
| FCT_FCAST_ASSUMPT_AUDIT_TRAIL | F_ISS_BRANCH_CNTRY_MATCH_FLAG | Issuer Country matches any of the branch country Flag | CHAR(1) | Flag | Yes | No | Non-Identifying | | | This attribute identifies whether the country of the issuer matches the country of any branch in the given Run. A value of 'Y' indicates that | | 3399 0322 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | the issuer country matches the currency of any one of the branches within the Run. It is used to classify an asset as a high quality liquid asset as per BOT guidelines. | | | | |
| STG_FX_CONTRACTS | N_PERCENT_ENCUMBERED | Percent Encumbered | NUMBER (30,11) | Rate_Long | Yes | No | No | | | This column | | 3397 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | stores the percentage of security encumbered in case of partial encumbrance case. | | 2134 | | |
| FSI_LRM_INSTRUMENT | N_CREDIT_QUALITY_GRADE_SKEY | Credit Quality Grade Surrogate key | NUMBER (10) | SurrogateKey_Long | Yes | No | | | | This column stores the credit quality grade scoreskey. | | 339903 22 | | |
| FSI_LRM_COMPOSITE_KEY_DIMS | N_CREDIT_QUALITY_GRADE_SKEY | Credit Quality Grade Surrogate key | NUMBER (10) | SurrogateKey_Long | Yes | No | | | | This column stores the credit quality grad | | 339903 22 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | e score skey. | | | | |
| FSI_FCAST_ALLOCATED_BALANCES | N_CREDIT_QUALITY_GRADE_SKEY | Credit Quality Grade Surrogate key | NUMBER (10) | SurrogateKey_Long | Yes | No | | | | This column stores the credit quality grade score skey. | | 33990322 | | |
| FSI_LRM_COMPOSITE_KEY_DIMS | F_ACCT_BRANCH_CCY_MATCH_FLAG | Account and Branch Currency Match Flag | CHAR(1) | Flag | Yes | No | | | | This attribute identifies whether the currency of the account matches the currency of any branch in the given | | 33990322 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Run. A value of 'Y' indicates that the account currency matches the currency of any one of the branches within the Run. It is used to classify an asset as a high-quality liquid asset as per BOT | | | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | guidelines. | | | | |
| FSI_FCAST_ALLOCATED_BALANCES | F_ACCT_BRANCH_CCY_MATCH_FLAG | Account and Branch Currency Match Flag | CHAR(1) | Flag | Yes | No | | | | This attribute identifies whether the currency of the account matches the currency of any branch in the given Run. A value of 'Y' indicates that the acco | | 3399032 2 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | unt currency matches the currency of any one of the branches within the Run. It is used to classify an asset as a high-quality liquid asset as per BOT guidelines. | | | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FSI_LRM_COMPOSITE_KEY_DIMS | F_ISS_BRANCH_CNTRY_MATCH_FLAG | Issuer Country matches any of the branch country Flag | CHAR(1) | Flag | Yes | No | | | | This attribute identifies whether the country of the issuer matches the country of any branch in the given Run. A value of 'Y' indicates that the issuer country matches the currency of any | | 33990322 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | one of the branches within the Run. It is used to classify an asset as a high-quality liquid asset as per BOT guidelines. | | | | |
| FSI_FCAST_ALLOCATED_BALANCES | F_ISS_BRANCH_CNTRY_MATCH_FLAG | Issuer Country matches any of the branch country Flag | CHAR(1) | Flag | Yes | No | | | | This attribute identifies whether the country of the issuer matches | | 33990322 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | the country of any branch in the given Run. A value of 'Y' indicates that the issuer country matches the currency of any one of the branches within the Run. It is used to classify an asset as a | | | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | high-quality liquid asset as per BOT guidelines. | | | | |
| FSI_LRM_INSTRUMENT | n_guarantee_scheme_skey | Guarantee Scheme Surrogate Key | NUMBER (10) | SurrogateKey_Long | Yes | No | | | | The scheme name under which a collateral-free credit is granted to the counterparty. Dim_Guarantee_Scheme is the equivalent dimension | | 33984399 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | table for this column. | | | | |
| FSI_LRM_ASSETS | n_guarantee_scheme_skey | Guarantee Scheme Surrogate Key | NUMBER (10) | SurrogateKey_Long | Yes | No | | | | The scheme name under which a collateral-free credit is granted to the counterparty. Dim_Guarantee_Scheme is the equivalent dimension table for this | | 3398 4399 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | column. | | | | |
| FSI_LRM_INSTRUMENT | n_balance_type_cd | Balance Type Code | NUMBER (5) | CODE | Yes | No | | | | Balance type codes for storing the various types of balances stored. | | 33984399 | | |
| FSI_LRM_ASSETS | n_balance_type_cd | Balance Type Code | NUMBER (5) | CODE | Yes | No | | | | Balance type codes for storing the various types of balances stored. | | 33984399 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FSI_LRM_ASSETS | F_GSE_ELIGIBLE_FLAG | Gse Eligible Flag | CHAR(1) | Flag | Yes | No | | | | The effect of the GSEs is to enhance the availability and reduce the cost of credit to the targeted borrowing sectors primarily by reducing the risk of capital losses to investors | | 33984399 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FCT_LRM_ACCOUNT_SUMMARY | n_guarantee_scheme_skey | Guarantee Scheme Surrogate Key | NUMBER (10) | SurrogateKey_Long | Yes | No | | | | The scheme name under which a collateral-free credit is granted to the counterparty. Dim_Guarantee_Scheme is the equivalent dimension table for this column. | | 3398 4399 | | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FCT_LRM_ACCOUNT_SUMMARY | n_balance_type_cd | Balance Type Code | NUMBER (5) | CODE | Yes | No | | | | Balance type codes for storing the various types of balances stored. | | 33984399 | |
| FCT_LRM_ACCOUNT_SUMMARY | F_GSE_ELIGIBLE_FLAG | Gse Eligible Flag | CHAR(1) | Flag | Yes | No | | | | The effect of the GSEs is to enhance the availability and reduce the cost of credit to the targeted borrowing secto | | 33984399 | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | rs primarily by reducing the risk of capital losses to investors | | | | |
| STG_ACCOUNT_BALANCES | fic_mis_date | Fic Mis Date | DATE | DATE | No | | | | | This column stores the date as on which the snapshot of source data extracted for processing. | | 3398 4399 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STG_ACCOUNT_BALANCES | n_acct_balance | Acct Balance | NUMBER (22,3) | AMOUNT | Yes | | | | | This column stores the account level balance of a given balance type. | | 3398439 9 | | |
| STG_ACCOUNT_BALANCES | n_pct_eop_bal | Pct Eop bal | NUMBER (11,6) | Rate | Yes | | | | | This column stored the amount of the balance expressed as a percentage of the EOP balance of the account. | | 3398439 9 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STG_ACCOUNT_BALANCES | v_account_number | Account Number | VARCHAR2(50) | Code_Alphanumeric_Long_Type3 | No | | | | | This column stores the unique identifier of the account or contract held by the customer. Account number is defined as numbers, letters or alphanumeric code assigned to every significant custo | | 3398 4399 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | mer, supplier and lender for ease of reference in the accounting records of the financial institution. | | | | |
| STG_ACCOUNT_BALANCES | v_balance_sub_type | Balance Sub Type | VARCHAR2(20) | Code_Alphanumeric_Long | Yes | | | | | This column stores the sub type of balances for which balance has been provi | | 3398 4399 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | ded or com pute d. Exam ple Tran sacti onal Balan ce. | | | | |
| STG_ACCO UNT_BALA NCES | v_balance_ty pe | Balacnce Type | VARCHA R2(20) | Code_Alpha numeric_Lo ng | No | | | | | This colu mn store s the type of balan ces for whic h balan ce has been provi ded or com pute d. Exam ple EOP Princ ipal Balan ce, | | 33 98 43 99 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Deferred Currency Balance, Accrued Interest etc. | | | | |
| STG_ACCOUNT_BALANCES | v_data_origin | Data Origin | VARCHAR2(20) | Code_Alphanumeric_Long | Yes | | | | | This column stores the source system from where data is extracted. Data can be sourced from multiple sources, this column will | | 3398 4399 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | stores the source code from where the data is extracted for this extraction date. | | | | |
| STG_ACCOUNT_BALANCES | v_iso_currency_cd | Iso Currency Cd | VARCHAR2(3) | Code_Currency | Yes | | | | | ISO currency codes is a standard published by the International Organization for Standardization 4217, whic | | 33984399 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | h delineates currency designators and country codes (alpha and numeric). This column will capture the standardized currency code. Dim_Currency is the equivalent dimension table for this column. | | | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STG_ACCOUNT_BALANCES | v_lv_code | Lv Code | VARCHAR2(20) | Code_Alphanumeric_Long | No | | | | | This column stores the entity code of the legal entity to which the account will be attributed in the general ledger. Dim_Org_Structure is the equivalent dimension table for this column. | | 3398 4399 | | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STG_BALANCE_TYPE_MASTER | fic_mis_date | Fic Mis Date | DATE | DATE | No | | | | | This column stores the date as on which the snapshot of source data extracted for processing. | | 3398439 9 | |
| STG_BALANCE_TYPE_MASTER | v_balance_type | Balance Type | VARCHAR2(20) | Code_Alphanumeric_Long | No | | | | | This column stores the unique list of balance types. | | 3398439 9 | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STG_BALANCE_TYPE_MASTER | v_balance_type_desc | Balance Type Desc | VARCHAR2(255) | DESCRIPTION | yes | | | | | This column stores the description of the balance type. | | 3398439 9 | | |
| STG_BALANCE_TYPE_MASTER | v_balance_type_name | Balance Type Name | VARCHAR2(100) | ShortName | yes | | | | | This column stores the name of the balance type. | | 3398439 9 | | |
| STG_BALANCE_TYPE_MASTER | v_data_origin | Data Origin | VARCHAR2(20) | Code_Alphanumeric_Long | yes | | | | | This column stores the source system from where data is extracted. Data can | | 3398439 9 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | be sourced from multiple sources, this column will stores the source code from where the data is extracted for this extraction date. | | | | |
| DIM_BALANCE_TYPE | n_balance_type_cd | Balance Type Code | NUMBER (5) | CODE | no | | | | | Balance type codes for storing the various types of | | 3398 4399 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | balances stored within GL. | | | | |
| DIM_BALANCE_TYPE | v_balance_type | Balance Type | VARCHAR2(20) | Code_Alphanumeric_Long | no | | | | | Stores balance types - ETL, Assignment, Offset etc. that classifies records created during allocation process. | | 33984399 | | |
| DIM_BALANCE_TYPE | v_description | Description | VARCHAR2(255) | DESCRIPTION | yes | | | | | Description of balance type. | | 33984399 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DIM_BALANCE_TYPE | v_created_by | Created By | VARCHAR2(40) | Text_Medium_Description_Type2 | yes | | | | | User who created the record. | | 33984399 | | |
| DIM_BALANCE_TYPE | v_last_modified_by | Last Modified By | VARCHAR2(30) | Text_Short_Description | yes | | | | | User who last modified the record. | | 33984399 | | |
| DIM_BALANCE_TYPE | d_last_modified_date | Last Modified Date | DATE | DATE | yes | | | | | Date when the record was last modified. | | 33984399 | | |
| DIM_BALANCE_TYPE | d_created_date | Created Date | DATE | DATE | yes | | | | | Date when the record was created. | | 33984399 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DIM_BALANCE_TYPE | fic_mis_date | Extraction Date | DATE | DATE | yes | | | | | This column stores the date as on which the snapshot of source data extracted for processing. | | 33984399 | | |
| DIM_BALANCE_TYPE | f_latest_record_indicator | Latest Record Indicator | CHAR(1) | Flag | yes | | | | | Identifies the latest records for a particular combination of primary keys. List of values are | | 33984399 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Y and N. | | | | |
| DIM_BALANCE_TYPE | d_record_start_date | Record Start Date | DATE | DATE | yes | | | | | This column stores the date from which the record is valid. | | 3398439 9 | | |
| DIM_BALANCE_TYPE | d_record_end_date | Record End Date | DATE | DATE | yes | | | | | This column stores the date till which the record is valid. | | 3398439 9 | | |
| DIM_BALANCE_TYPE | v_balance_type_name | Balance Type Name | VARCHAR2(100) | ShortName | yes | | | | | This column stores the name of the balance type. | | 3398439 9 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DIM_BALANCE_TYPE | v_data_origin | Data Origin | VARCHAR2(20) | Code_Alphanumeric_Long | yes | | | | | This column stores the source system from where data is extracted. Data can be sourced from multiple sources, this column will stores the source code from where the data is extracted | | 3398 4399 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | for this extraction date. | | | | |
| Fct_Account_Balances | n_acct_balance | Account Balance | NUMBER (22,3) | AMOUNT | Yes | | | | | This column stores the account level balance of a given balance type. | | 33984399 | | |
| Fct_Account_Balances | n_acct_skey | Account Surrogate Key | NUMBER (15) | SurrogateKey_Long_Type2 | No | | | | | Unique surrogate key for each of the account number. | | 33984399 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fct_Account_Balances | n_balance_type_skey | Balance Type Surrogate Key | NUMBER (10) | SurrogateKey_Long | No | | | | | Balance type codes for storing the various types of balances stored. | | 3398 4399 | | |
| Fct_Account_Balances | n_data_source_cd | Data Source Surrogate Key | NUMBER (10) | SurrogateKey_Long | Yes | | | | | This column stores the source system from where data is extracted. Data can be sourced from multiple sourc | | 3398 4399 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | es, this column will stores the source code from where the data is extracted for this extraction date. | | | | |
| Fct_Account_Balances | n_entity_skey | Legal Entity Surrogate Key | NUMBER (10) | SurrogateKey_Long | No | | | | | This is a derived column using Customer Reference Code and Organization Structure Dime | | 3398 4399 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | nsion. This column stores Legal Entity Surrogate Key if the customer is an internal customer for the given account and is a valid legal Entity. | | | | |
| Fct_Account_Balances | n_mis_date_skey | Extraction Date Surrogate Key | NUMBER (10) | SurrogateKey_Long | No | | | | | This attribute stores the date surrogate key corre | | 33984399 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | sponding to MIS date. | | | | |
| Fct_Account_Balances | n_pct_eop_bal | Percentage Of End Of Period Balance | NUMBER (11,6) | Rate | Yes | | | | | This column stored the amount of the balance expressed as a percentage of the EOP balance of the account. | | 33984399 | | |
| Fct_Account_Balances | v_balance_sub_type | Balance Sub Type | VARCHAR2(20) | Code_Alphanumeric_Long | Yes | | | | | This column stores the sub type | | 33984399 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | of balances for which balance has been provided or computed. Example Transactional Balance. | | | | |
| Fct_Account_Balances | v_iso_currency_cd | Iso Currency Code | VARCHAR2(3) | Code_Currency | Yes | | | | | ISO currency codes is a standard published by the International Organization for | | 33984399 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Standardization 4217, which delineates currency designators and country codes (alpha and numeric). This column will capture the standardized currency code. Dim_Currency is the equivalent dime | | | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | nsion table for this colu mn. | | | | |
| FCT_AGG_CASH_FLOWS | n_guarantee_scheme_skey | Guarantee Scheme Surrogate Key | NUMBER (10) | SurrogateKey_Long | Yes | No | | | | The scheme nam e under whic h a collat eral-free credi t is grant ed to the coun terpa rty. Dim_ Guar antee _Sch eme is the equiv alent dime nsion table for this | | 33 98 43 99 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | column. | | | | |
| FCT_FCAST_AGG_CASH_FLOWS | n_guarantee_scheme_skey | Guarantee Scheme Surrogate Key | NUMBER (10) | SurrogateKey_Long | Yes | No | | | | The scheme name under which a collateral-free credit is granted to the counterparty. Dim_Guarantee_Scheme is the equivalent dimension table for this column. | | 3398 4399 | | |
| FCT_BUSS_ASSUMPT_ | n_guarantee_scheme_skey | Guarantee Scheme | NUMBER (10) | SurrogateKey_Long | Yes | No | | | | The scheme | | 3398 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AUDIT_TRAIL | | Surrogate Key | | | | | | | | name under which a collateral-free credit is granted to the counterparty. Dim_Guarantee_Scheme is the equivalent dimension table for this column. | | 4399 | | |
| FCT_FCAST_ASSUMPT_AUDIT_TRAIL | n_guarantee_scheme_skey | Guarantee Scheme Surrogate Key | NUMBER (10) | SurrogateKey_Long | Yes | No | | | | The scheme name under which a | | 33984399 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | collateral-free credit is granted to the counterparty. Dim_Guarantee_Scheme is the equivalent dimension table for this column. | | | | |
| FSI_LRM_COMPOSITE_KEY_DIMS | n_guarantee_scheme_skey | Guarantee Scheme Surrogate Key | NUMBER (10) | SurrogateKey_Long | Yes | No | | | | The scheme name under which a collateral-free credit is grant | | 3398 4399 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | ed to the counterparty. Dim_Guarantee_Scheme is the equivalent dimension table for this column. | | | | |
| FSI_FCAST_ALLOCATED_BALANCES | n_guarantee_scheme_skey | Guarantee Scheme Surrogate Key | NUMBER (10) | SurrogateKey_Long | Yes | No | | | | The scheme name under which a collateral-free credit is granted to the counterparty. Dim_ | | 3398 4399 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Guarantee_Scheme is the equivalent dimension table for this column. | | | | |
| FCT_AGG_CASH_FLOWS | n_balance_type_cd | Balance Type Code | NUMBER (5) | CODE | Yes | No | | | | Balance type codes for storing the various types of balances stored. | | 33984399 | | |
| FCT_FCAST_AGG_CASH_FLOWS | n_balance_type_cd | Balance Type Code | NUMBER (5) | CODE | Yes | No | | | | Balance type codes for storing the various types | | 33984399 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | of balances stored. | | | | |
| FCT_BUSS_ASSUMPT_AUDIT_TRAIL | n_balance_type_cd | Balance Type Code | NUMBER (5) | CODE | Yes | No | | | | Balance type codes for storing the various types of balances stored. | | 33984399 | | |
| FCT_FCAST_ASSUMPT_AUDIT_TRAIL | n_balance_type_cd | Balance Type Code | NUMBER (5) | CODE | Yes | No | | | | Balance type codes for storing the various types of balances stored. | | 33984399 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FSI_LRM_COMPOSITE_KEY_DIMS | n_balance_type_cd | Balance Type Code | NUMBER (5) | CODE | Yes | No | | | | Balance type codes for storing the various types of balances stored. | | 33984399 | | |
| FSI_FCAST_ALLOCATED_BALANCES | n_balance_type_cd | Balance Type Code | NUMBER (5) | CODE | Yes | No | | | | Balance type codes for storing the various types of balances stored. | | 33984399 | | |
| FCT_AGG_CASH_FLOWS | F_GSE_ELIGIBLE_FLAG | Gse Eligible Flag | CHAR(1) | Flag | Yes | No | | | | The effect of the GSEs is to enhance the | | 33984399 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | availability and reduce the cost of credit to the targeted borrowing sectors primarily by reducing the risk of capital losses to investors | | | | |
| FCT_FCAST_AGG_CASH_FLOWS | F_GSE_ELIGIBLE_FLAG | Gse Eligible Flag | CHAR(1) | Flag | Yes | No | | | | The effect of the GSEs is to enhance the avail | | 33984399 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | ability and reduce the cost of credit to the targeted borrowing sectors primarily by reducing the risk of capital losses to investors | | | | |
| FCT_BUSS_ASSUMPT_AUDIT_TRAIL | F_GSE_ELIGIBLE_FLAG | Gse Eligible Flag | CHAR(1) | Flag | Yes | No | | | | The effect of the GSEs is to enhance the availabilit | | 3398 4399 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | y and reduce the cost of credit to the targeted borrowing sectors primarily by reducing the risk of capital losses to investors | | | | |
| FCT_FCAST_ASSUMPT_AUDIT_TRAIL | F_GSE_ELIGIBLE_FLAG | Gse Eligible Flag | CHAR(1) | Flag | Yes | No | | | | The effect of the GSEs is to enhance the availability and | | 33984399 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | reduce the cost of credit to the targeted borrowing sectors primarily by reducing the risk of capital losses to investors | | | | |
| FSI_LRM_COMPOSITE_KEY_DIMS | F_GSE_ELIGIBLE_FLAG | Gse Eligible Flag | CHAR(1) | Flag | Yes | No | | | | The effect of the GSEs is to enhance the availability and redu | | 33984399 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | ce the cost of credit to the targeted borrowing sectors primarily by reducing the risk of capital losses to investors | | | | |
| FSI_FCAST_ALLOCATED_BALANCES | F_GSE_ELIGIBLE_FLAG | Gse Eligible Flag | CHAR(1) | Flag | Yes | No | | | | The effect of the GSEs is to enhance the availability and reduce | | 33984399 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | the cost of credit to the targeted borrowing sectors primarily by reducing the risk of capital losses to investors | | | | |
| fsi_lrm_business_dimensions | v_flag_code | Flag Code | VARCHAR2(20) | Code_Alphanumeric_Long | Yes | No | No | | | This attribute stores the value to be defaulted when the value is missing in | | 33603149 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | the processing data for the corresponding business dimension. Business dimensions are set of hierarchies over which liquidity business assumption can be specified. | | | | |

## 2.3.6 Additional Requirements for 8.0.8.2.8 One-off patch

### 2.3.6.1 Add Data Model Attributes for 8.0.8.2.8 patch release

Add the following Data Model attributes for 8.0.8.2.8 patch release.

**Table 6: Addition of Data Model Attributes for 8.0.8.2.8 patch release**

| Physical Table Name | Column Name | Logical Name | Data Type | Domain | Null Allowed? | PK | FK | Reference Table Name | Reference Column Name | Column Comments | Old Column Name | Bug ID | Remarks | Column Default Value (If Any) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STG_BILLS_CONTRACTS | N_NUMBER_OF_BILLS_DUE | Number Of Bills Due | NUMBER (10) | Number_Medium | Yes | No | No | | | This attribute indicates the number of bills that are over due. For HKMA, if the number of bills due is | | 34051273 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | equal to 1 then that over due instal ment shoul d be repor ted in the “Bala ncing amo unt” colu mn of the Table s unde r Part 4 Matu rity profil e and suppl eme ntary infor mati on in Form MA(B S)23. If, howe | | | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | ver, the number of bills is overdue for two or more instalments the entire amount of the asset should be regarded as overdue and reported in the "Balancing amount" column. | | | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| stg_borrowings | f_encumbrance_status | Encumbrance Status Indicator | CHAR(1) | Flag | Yes | No | | | | Flag to indicate if an instrument is encumbered, either by pledging, securitization or collateralization. Encumbered securities means the securities that are owned by one entity but subject to a | | 3404598 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | legal claim by another. List of values are N=Not encumbered, Y-Fully encumbered, P-partly encumbered | | | | |
| stg_borrowings | v_liquidity_class_cd | Liquidity Class Code | VARCHAR2(5) | Code_Alphanumeric_Short | Yes | No | | | | Uniq ue identifier of liquidity class code. Liquidity is defined as the degr | | 34045980 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | ee to which an asset or security can be bought or sold in the market without affecting the asset's price. Liquidity is characterized by a high level of trading activity. Assets that can be | | | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | easily bought or sold are known as liquid assets. List of values are Qualified Liquidity, Most Liquid, Readily Marketable, Qualified Thin Market, Not Qualified, Not Qualified - Readily Marketabl | | | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | e, Not Qualified - Thin Markетable, Not Markетable & Other. | | | | |
| stg_borrowings | n_percent_encumbered | Encumbrance Percentage | NUMBER (30,11) | Rate_Long | Yes | No | | | | This column stores the percentage of security encumbered in case of partial encumbrance case. | | 34045980 | | |
| FSI_LRM_PASSTHRU_REP_DATA | FIC_MIS_DATE | MIS Date | DATE | DATE | No | Yes | | | | This column stores the | | 34123347 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | As of Date | | | | |
| FSI_LRM_PASSTHRU_REP_DATA | N_MATURITY_BAND_CD | Maturity Band Code | Number_Short | NUMBER(5) | No | Yes | | | | This column stores the maturity Band Code. List of values are Next day=2, 2 to 7 days=3, 8 days to 1 month=4, > 1 month up to 3 months=5, > 3 months up to 6 months=6, > 6 months up | | 34 12 33 47 | | -1 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | to 1 year =7, > 1 year up to 2 years =8, > 2 years up to 3 years =9, > 3 years up to 5 years =10, Over 5 years =11, Balancing Amount=12,MISSING =-1 | | | | |
| FSI_LRM_PASSTHRU_REP_DATA | N_AMOUNT_RCY | Reporting Amount in Reporting Currency | AMOUNT | NUMBER(22,3) | Yes | No | | | | This column stores the reporting amount | | 3412 3347 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | in reporting currency | | | | |
| FSI_LRM_PASSTHRU_REP_DATA | N_REP_LINE_CD | Reporting Line Code | Number | NUMBER (22) | No | Yes | | | | This column stores the Liquidity Risk Management Reporting Line Code or number. Reference table is fsi_lrm_rep_line_attr_details. | | 34 12 33 47 | | |
| FSI_LRM_PASSTHRU_REP_DATA | V_ENTITY_CODE | Entity Code | Code_Alphanumeric_Long | VARCHAR2(20) | No | Yes | | | | This column stores the entity code | | 34 12 33 47 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | of the reporting institutions. | | | | |
| FSI_LRM_PASSTHRU_REP_DATA | V_CCY_CODE | Currency Code | Code_Currency | VARCHAR2(3) | Yes | No | | | | This column stores the currency code. | | 34 12 33 47 | | |
| FSI_LRM_PASSTHRU_REP_DATA | N_PERCENT | Reporting Weight | NUMBER_FACTOR | NUMBER (11,6) | Yes | No | | | | This column stores the reporting weight or factor or percentage. | | 34 12 33 47 | | |
| FSI_LRM_INSTRUMENT | N_NUMBER_OF_BILLS_DUE | Number Of Bills Due | NUMBER (10) | Number_Medium | Yes | No | No | | | This attributes indicates the number of bills that | | 34 05 12 73 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | are over due. For HKMA, if the number of bills due is equal to 1 then that over due instalment should be reported in the "Balancing amount" column of the Tables under Part 4 Maturity | | | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | profile and supplementary information in Form MA(BS)23. If, however, the number of bills is overdue for two or more instalments the entire amount of the asset should be regarded as over | | | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | due and reported in the "Balancing amount" column. | | | | |
| FSI_LRM_INSTRUMENT | N_OVERDUE_PRIN_AMT | Overdue Principal Amount | NUMBER (22,3) | AMOUNT | Yes | No | No | | | This column stores the overdue principal amount of the account. A installment has got two components principal and interest, | | 3405 1273 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | this stores the principal component of the unpaid installment. | | | | |
| FSI_LRM_INSTRUMENT | N_OVERDUE_PRIN_AMT_RCY | Overdue Principal Amount in Reporting Currency | NUMBER (22,3) | AMOUNT | Yes | No | No | | | This column stores the overdue principal amount of the account in reporting currency.. A installment has got two com | | 34 05 12 73 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | ponents principal and interest, this stores the principal component of the unpaid installment. | | | | |
| FSI_LRM_INSTRUMENT | N_INSTAL_PRIN_AMT | Installment Principal Amount | NUMBER (22,3) | AMOUNT | Yes | No | No | | | This column stores the principal component in a installment amount. A periodic instal | | 34 05 12 73 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | lment amount on a loan consists of a principal component and an interest component. | | | | |
| FSI_LRM_INSTRUMENT | N_INSTAL_PRIN_AMT_RCY | Installment Principal Amount In Reporting Currency | NUMBER (22,3) | AMOUNT | Yes | No | No | | | This column stores the principal component in a installment amount in reporting curre | | 3405127 3 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | ncy.. A periodic installment amount on a loan consists of a principal component and an interest component. | | | | |
| fsi_lrm_instrument | F_MOST_LIQUID_CLASS_ASSET_FLAG | Most Liquid Class Asset Flag | CHAR (1) | Flag | Yes | No | NO | | | Liquidity by definition is the degree to which an asset or security can | | 3404 5980 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | be bought or sold in the market without affecting the asset's price. Liquid assets are classified as Readily Marketable, Most Liquid etc. This attribute indicates the Most Liquid Assets. | | | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | The value 'Y' indicates the assets are of class Most Liquid and a value 'N' indicates otherwise. This column will be populated by the app. | | | | |
| FSI_LRM_INSTRUMENT | F_CUSTOMER_HK_FLAG | Customer HK Flag | CHAR (1) | Flag | Yes | No | | | | This column stores the flag to identify if customer | | 3406 5971 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | of the account is "HK" or not. This is used in HKMA Liquidity Monitoring Tools Unencumbered Interbank Placements. | | | | |
| FSI_LRM_INSTRUMENT | N_PROPERTY_COUNTRY_SKEY | Property Country Surrogate Key | NUMBER (10) | SurrogateKey_Long | Yes | No | | | | This column stores the surrogate key for the for country | | 3406 5971 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | code of location of the assets or property held by a party or custodian. This is used in HKMA Liquidity Monitoring Tools Unencumbered residential mortgages. | | | | |
| FCT_LRM_PASSTHRU_REP_DATA | N_MIS_DATE_SKEY | MIS Date Surrogate Key | NUMBER (10) | SurrogateKey_Long | No | Yes | | | | This column stores the | | 34 12 33 47 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | As of Date | | | | |
| FCT_LRM_PASSTHRU_REP_DATA | N_MATURITY_BAND_SKEY | Maturity Band Surrogate Key | NUMBER (10) | SurrogateKey_Long | No | Yes | | | | This column stores the maturity Band. | | 34 12 33 47 | | |
| FCT_LRM_PASSTHRU_REP_DATA | N_AMOUNT_RCY | Reporting Amount in Reporting Currency | NUMBER (22,3) | AMOUNT | Yes | No | | | | This column stores the reporting amount. | | 34 12 33 47 | | |
| FCT_LRM_PASSTHRU_REP_DATA | N_REP_LINE_SKEY | Reporting Line Surrogate Key | NUMBER (10) | SurrogateKey_Long | No | Yes | | | | This column stores the Liquidity Risk Management Reporting Line number. | | 34 12 33 47 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FCT_LRM_PASSTHRU_REP_DATA | N_ENTITY_SKEY | Entity Surrogate Key | NUMBER (10) | SurrogateKey_Long | No | Yes | | | | This column stores the entity surrogate key. | | 34 12 33 47 | | |
| FCT_LRM_PASSTHRU_REP_DATA | V_CCY_CODE | Currency Code | VARCHAR2(3) | Code_Currency | Yes | No | | | | This column stores the currency code. | | 34 12 33 47 | | |
| FCT_LRM_PASSTHRU_REP_DATA | N_PERCENT | Reporting Weight | NUMBER (11,6) | NUMBER_FACTOR | Yes | No | | | | This column stores the reporting weight or factor or percentage. | | 34 12 33 47 | | |
| FCT_LRM_PASSTHRU_REP_DATA | N_RUN_SKEY | Run surrogate Key | NUMBER (10) | SurrogateKey_Long | No | Yes | | | | This column stores the run surro | | 34 12 33 47 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | gate key | | | | |
| FCT_LRM_PASSTHRU_REP_DATA | N_RELATED_REP_LINE_SKEY | Related Reporting Line Surrogate Key | NUMBER (10) | SurrogateKey_Long | Yes | No | | | | This column stores the Liquidity Risk Management Reporting Line number related to Reporting Line number to be populated. | | 34 12 33 47 | | |
| STG_REPO_CONTRACTS | N_PERCENT_ENCUMBERED | Percent Encumbered | NUMBER (30,11) | Rate_Long | Yes | No | No | | | This column stores the percentage of security encu | | 33 97 21 34 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | mbered in case of partial encumbrance case. | | | | |

### 2.3.6.2 Delete Data Model Attributes for 8.0.8.2.8 patch release

Delete the following Data Model attributes for 8.0.8.2.8 patch release.

**Table 7: Deletion of Data Model Attributes for 8.0.8.2.8 patch release**

| Physical Table Name | Column Name | Logical Name | Data Type | Domain | Null Allowed? | PK | FK | Reference Table Name | Reference Column Name | Column Comments | Old Column Name | Bug ID | Remarks | Column Default Value (If Any) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STG_REPO_CONTRACTS | N_PERCENT_ENCUMBERED | Percent Encumbered | NUMBER(30,11) | Rate_Long | Yes | No | No | | | This column stores the percentage of security encumbered in | | 33972134 | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | case of partial encumbrance case. | | | | |

### 2.3.6.3 Modification of DM Attributes for 8.0.8.2.8

Execute the below script in atomic schema:

```
ALTER TABLE FCT_LRM_LE_SUMMARY
MODIFY (n_avl_stable_funding_amt_rcy   NUMBER (25,6),
        n_req_stable_funding_amt_rcy   NUMBER (25,6),
        n_avl_stable_funding_amt_lcy   NUMBER (25,6),
        n_req_stable_funding_amt_lcy   NUMBER (25,6))
```

# 3 Appendix A: Frequently Asked Questions

**What checks does the 8.0.8.0.0 Release perform?**

Environment Check: As part of the environment check, it performs Java validation, Environment Variables validation, OS-specific validation, DB specific validation, and it shuts down all OFSAAI Services (Infrastructure Server, ICC Server, and back-end services).

Post-install check: As part of the post-install check, it checks if OFSAAI services can be successfully started.

**Which version of Erwin Data Modeler does OFS LRS support?**

OFS LRS supports the Erwin version 9.7.

# OFSAA Support

Raise a Service Request (SR) in My Oracle Support (MOS) for queries related to the OFSAA applications.

# Send Us Your Comments

Oracle welcomes your comments and suggestions on the quality and usefulness of this publication. Your input is an important part of the information used for revision.

- Did you find any errors?
- Is the information clearly presented?
- Do you need more information? If so, where?
- Are the examples correct? Do you need more examples?
- What features did you like most about this manual?

**If you find any errors or have any other suggestions for improvement, indicate the title and part number of the documentation along with the chapter/section/page number (if available) and contact the Oracle Support.**

Before sending us your comments, you might like to ensure that you have the latest version of the document wherein any of your concerns have already been addressed. You can access My Oracle Support site that has all the revised/recently released documents.