

# Oracle® Financial Services

## On-Premise to SaaS Migration Guide



Release 23.09.01

F85881-05

December 2023

The Oracle logo, consisting of a solid red square with the word "ORACLE" in white, uppercase, sans-serif font centered within it.

ORACLE®

Oracle Financial Services On-Premise to SaaS Migration Guide, Release 23.09.01

F85881-05

Copyright © 2023, 2023, Oracle and/or its affiliates.

Primary Authors: (primary author), (primary author)

Contributing Authors: (contributing author), (contributing author)

Contributors: (contributor), (contributor)

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

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

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

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

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

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

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

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

# Contents

## Part I Metadata Migration

---

### 2 On-Premise Tasks

---

Prerequisites	2-1
Accessing Map Dimensions and Map Tables	2-1
Map Dimensions	2-2
Adding a New Dimension Mapping	2-2
Map Tables	2-3
Adding a New Instrument Mapping	2-4
Export Definitions	2-4
Creating a New Export Definition	2-5

### 3 SaaS Tasks

---

Prerequisites	3-1
Accessing Import Summary	3-1
Importing Archive File	3-2
Importing Metadata Objects	3-2
Import Status	3-3

## Part II Data Migration

---

### 4 Prerequisites

---

### 5 Properties Files

---

User-input.properties	5-1
pbsm_export_table.properties	5-2
pbsm_export_table_filter.properties	5-2

## 6 Migration Execution Scripts

---

Export-data.sh	6-1
Re-export-data.sh	6-1
Import-data.sh	6-1
finalize.sh	6-1
generate-report.sh	6-5

## A Pre-Mapped Dimensions for Migration

---

## B Deprecated Columns in Data Tables

---

FSI_D_ANNUITY_CONTRACTS	B-1
FSI_D_BORROWINGS	B-2
FSI_D_BREAK_FUNDING_CHARGES	B-3
FSI_D_CASA	B-5
FSI_D_CREDIT_CARDS	B-7
FSI_D_CREDIT_LINES	B-9
FSI_D_FUTURES	B-11
FSI_D_FX_CONTRACTS	B-12
FSI_D_GUARANTEES	B-13
FSI_D_INVESTMENTS	B-13
FSI_D_LEASES	B-15
FSI_D_LEDGER_STAT_INSTRUMENT	B-16
FSI_D_LOAN_COMMITMENTS	B-17
FSI_D_LOAN_CONTRACTS	B-18
FSI_D_MERCHANT_CARDS	B-20
FSI_D_MM_CONTRACTS	B-22
FSI_D_MORTGAGES	B-23
FSI_D_MUTUAL_FUNDS	B-25
FSI_D_OTHER_SERVICES	B-26
FSI_D_RETIREMENT_ACCOUNTS	B-28
FSI_D_SWAPS	B-29
FSI_D_TERM_DEPOSITS	B-29
FSI_D_TRUSTS	B-31

# About This Guide

Reference guide to Migrate Metadata and data Definitions, from On-Premise to SaaS Setup.

## Audience

This guide is intended for administrators and implementation consultants performing On-Premise to SaaS migration.

## Documentation Accessibility

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

## Access to Oracle Support

Oracle customers that have purchased support 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.

## Related Resources

See these Oracle resources:

- [OFSAA End User documentation \(8.0.x and 8.1.x versions\)](#)
- [OFSAA Licensing User Manual, Release 8.1.2.0.0](#)
- [OFS Analytical Applications 8.1.2.0.0 Technology Matrix](#)

## Conventions

The following text conventions are used in this document.

Convention	Meaning
<b>boldface</b>	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	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, text that appears on the screen, or text that you enter.

# Introduction

Introduction to On-Premise to SaaS migration

You can migrate data and metadata from a Source on-premise instance to a Target Profitability and Balance Sheet Management Cloud Service.

This migration comprises :

- [Metadata Migration](#) - to migrate the supported metadata (Configuration, Rules and Processes).
- [Data Migration](#) - to Migrate Data from Supported tables.

## Supported Applications

List of Supported Applications

Currently, this migration utility supports Oracle Financial Services Profitability Management and Funds Transfer Pricing.

In future, Oracle will support Oracle Financial Services Asset Liability Management.

## Supported Data Tables

List of Supported Data Tables

**Table Supported Data Tables**

Table Type	Source Name	Target Table Name
Instrument	FSI_D_BORROWINGS	FSI_D_LIABILITY
Instrument	FSI_D_LOAN_CONTRACTS	FSI_D_ASSET
Instrument	FSI_D_OTHER_SERVICES	FSI_D_FEE_BASED_SERVICE
Instrument	FSI_D_TERM_DEPOSITS	FSI_D_LIABILITY
Instrument	FSI_D_TRUSTS	FSI_D_FEE_BASED_SERVICE
Instrument	FSI_D_INVESTMENTS	FSI_D_ASSET
Instrument	FSI_D_MUTUAL_FUNDS	FSI_D_FEE_BASED_SERVICE
Instrument	FSI_D_ANNUITY_CONTRACTS	FSI_D_LIABILITY
Instrument	FSI_D_CREDIT_CARDS	FSI_D_ASSET
Instrument	FSI_D_MM_CONTRACTS	FSI_D_ASSET
Instrument	FSI_D_ASSET_BACK_SEC	FSI_D_ASSET
Instrument	FSI_D_CREDIT_LINES	FSI_D_ASSET
Instrument	FSI_D_LEDGER_STAT_INSTRUMENT	FSI_D_LEDGER_INSTRUMENT
Instrument	FSI_D_MORTGAGES	FSI_D_ASSET
Instrument	FSI_D_RETIREMENT_ACCOUNTS	FSI_D_LIABILITY
Instrument	FSI_D_GUARANTEES	FSI_D_OFF_BALANCE_SHEET
Instrument	FSI_D_MERCHANT_CARDS	FSI_D_FEE_BASED_SERVICE

Table (Cont.) Supported Data Tables

Table Type	Source Name	Target Table Name
Instrument	FSI_D_ACCOUNT_RATE_TIERS	FSI_D_ACCOUNT_RATE_TIERS
Instrument	FSI_D_BREAK_FUNDING_CHARGES	FSI_D_BREAK_FUNDING_CHARGES
Instrument	FSI_D_LEASES	FSI_D_ASSET
Transaction Profitability	FSI_D_OTHER_SERVICES_TXNS	FSI_D_FEE_BASED_SERVICE_TXNS
Transaction Profitability	FSI_D_MERCHANT_CARDS_TXNS	FSI_D_FEE_BASED_SERVICE_TXNS
Transaction Profitability	FSI_D_MUTUAL_FUNDS_TXNS	FSI_D_FEE_BASED_SERVICE_TXNS
Transaction Profitability	FSI_D_RETIREMENT_ACCTS_TXNS	FSI_D_LIABILITY_TXNS
Transaction Profitability	FSI_D_INVESTMENTS_TXNS	FSI_D_ASSET_TXNS
Transaction Profitability	FSI_D_BORROWINGS_TXNS	FSI_D_LIABILITY_TXNS
Transaction Profitability	FSI_D_GUARANTEES_TXNS	FSI_D_OFF_BALANCE_SHEET_TXNS
Transaction Profitability	FSI_D_LEASES_TXNS	FSI_D_ASSET_TXNS
Transaction Profitability	FSI_D_ANNUITY_TXNS	FSI_D_LIABILITY_TXNS
Transaction Profitability	FSI_D_MORTGAGES_TXNS	FSI_D_ASSET_TXNS
Transaction Profitability	FSI_D_CASA_TXNS	FSI_D_LIABILITY_TXNS
Transaction Profitability	FSI_D_LOAN_CONTRACTS_TXNS	FSI_D_ASSET_TXNS
Transaction Profitability	FSI_D_MORTGAGE_BACK_SEC_TXNS	FSI_D_ASSET_TXNS
Transaction Profitability	FSI_D_TRUSTS_TXNS	FSI_D_FEE_BASED_SERVICE_TXNS
Transaction Profitability	FSI_D_TERM_DEPOSITS_TXNS	FSI_D_LIABILITY_TXNS
Transaction Profitability	FSI_D_CREDIT_LINES_TXNS	FSI_D_ASSET_TXNS
Transaction Profitability	FSI_D_CREDIT_CARDS_TXNS	FSI_D_ASSET_TXNS
Transaction Profitability	FSI_D_MM_CONTRACTS_TXNS	FSI_D_ASSET_TXNS
Derivative Instruments	FSI_D_FORWARD_RATE_AGMTS	FSI_D_DERIVATIVE
Derivative Instruments	FSI_D_FX_SWAPS	FSI_D_DERIVATIVE
Derivative Instruments	FSI_D_SWAPS	FSI_D_DERIVATIVE
Derivative Instruments	FSI_D_FUTURES	FSI_D_DERIVATIVE
Derivative Instruments	FSI_D_CAPFLOORS	FSI_D_DERIVATIVE
Derivative Instruments	FSI_D_FX_CONTRACTS	FSI_D_DERIVATIVE
Rate Card Products	FSI_D_PM_GENERATED_INSTRUMENTS	FSI_D_PM_GENERATED_INSTRUMENTS
Commitments	FSI_D_LOAN_COMMITMENTS	FSI_D_LOAN_COMMITMENTS
Interest rate curve	FSI_IRC_RATE_HIST	FSI_IRC_RATE_HIST
Payment Schedule	FSI_D_PAYMENT_SCHEDULE	FSI_D_PAYMENT_SCHEDULE
Exchange Rate	FSI_EXCHANGE_RATE_HIST	FSI_EXCHANGE_RATE_HIST

**Table (Cont.) Supported Data Tables**

Table Type	Source Name	Target Table Name
Volatility Curves	FSI_IRC_VOLATILITY_RATE_HIST	FSI_IRC_VOLATILITY_RATE_HIST
Economic Indicators	FSI_ECO_IND_HIST_RATES	FSI_ECO_IND_HIST_RATES
Ledger Class	FSI_D_MANAGEMENT_LEDGER	FSI_D_MANAGEMENT_LEDGER

## Supported Migration Object Types

List of Supported Migration Object Types

The supported Migration object types are:

### Common Objects

- Attribute Filter
- Currency
- Currency Rates
- Data Filter
- Dimensions - Members and Attributes
- Expressions
- Group Filter
- Hierarchies
- Hierarchy Filter
- Holiday Calendar
- Interest Rate Curve

### PFT

- Allocation Model
- Allocation Specification
- Static table Driver

### FTP

- Add-on Rate Rule
- Standard Process

 **Note:**

Prepayment Rule and Alternate Rule must be migrated manually.

- Transfer Pricing Rule

 **Note:**

Replicating Portfolio must be migrated manually.

# Part I

## Metadata Migration

Introduction about Metadata Migration

Metadata migration utility helps to migrate business configurations, rules and assumptions from an on-premise OFSAA environment to SaaS environment. This helps to reduce the migration time and also complete the migration efficiently.

# 2

## On-Premise Tasks

On-Premise to SaaS Migration involves configuring Map Dimensions and Map tables, and creating and exporting metadata and data objects in the Source/On-Premise setup.

Complete the following tasks in the sequential order, in the On-Premise/Source setup:

1. [Prerequisites](#)
2. [SaaS Migration Planner Configuration Tasks](#)
3. [SaaS Migration Planner Export Tasks](#)

### Prerequisites

Prerequisites for On-Premise environment

#### User Groups

Ensure that the users are assigned to the following appropriate user groups:

- **Object Export Administrator**-View, edit and delete Map Dimensions, Map Tables and Object definitions.
- **Object Export Analyst**-View the details of Map Dimensions, Map tables and Object definitions.

#### On-Premise Environment Specific Prerequisites

- The source/On-Premise environment hosting the licensed and supported OFSAA Applications, must be on v8.1.2.0.0 or later.
- Optional (Recommended). If the Licensed Applications are installed on different OFSAA Instances, merge all the instances existing in the same information domain into a single OFSAA Instance. This will ensure that there are no duplicate Object IDs across various source instances, during migration. For assistance, contact [Oracle Support](#).
- Apply the patch **35922951**

### Accessing Map Dimensions and Map Tables

Use the Configuration window to define and manage the Map Dimensions and Map tables.

To access the **Configuration window**:

1. Login to the On-Premise setup with valid credentials. Ensure that you have the [User Groups](#) assigned to perform On-Premise to SaaS Migration.
2. In the LHS Navigation list, click **Common Object Maintenance > Object Administration > SaaS Migration Planner > Configuration**.

The list of pre-existing (seeded and manually created) Dimension Mappings and Instrument Mappings, are displayed. Access the following tabs to create and manage Dimension Mappings and Instrument Mappings.

- [Map Dimensions Tab](#)
- [Map tables Tab](#)

## Map Dimensions

Map Dimensions tab includes the list of existing Dimension Mappings.

Ensure that you have the [User Groups](#) assigned to perform On-Premise to SaaS Migration.

To access the Map Dimensions tab from the Configuration window :

1. Click **Map Dimensions**.

All the Dimension Mappings created in the specific environment are displayed with the following details:

- **Source Dimension**-The dimension present in the Source/On-Premise setup.
- **Target Dimension**-The Target dimension mapped to a specific Source dimension.
- **Key Dimensions**-Indicates if the selected Target Dimension is a key dimension.
- **Export Dimension**-Indicates the Export Status of the specific Dimension.
- **Mapping Type**-Indicates if the selected Dimension Mapping is a SystemDimension Mapping or a Custom Dimension Mapping.
  - **System** - Pre-seeded Dimension Mappings.
  - **Custom**-Created by the user. For more information, refer to [Adding a new Dimension Mapping](#).
- **Action**
  - **View**-View the details of a specific Dimension Mapping.
  - **Edit**-Modify the Source and Target Dimension and also the Export Dimension status. For a system Dimension Mapping, you can only change the Export Dimension status. The Source and the Target dimensions are non-editable.
  - **Delete**-Delete the selected Dimension Mapping. You cannot delete a System Dimension Mapping.

2. To search for a specific entry, enter a keyword in the **Search box**.

Click **Search Settings**, to filter the search columns. The specified search criteria are displayed in the Search box, based on the set filter.

## Adding a New Dimension Mapping

Create a Dimension mapping to link a source dimension present in the On-Premise setup, to a target dimension in the SaaS setup.

Ensure that you have the [User Groups](#) assigned to perform On-Premise to SaaS Migration.

To add a new Dimension mapping:

1. Click **Add**, in the Configuration window.

2. Select the following Details, in the **Add Dimension Mapping** pop-up window:
  - **Source Dimension**-Select the Source Dimension in the On-Premise environment.
  - **Target Dimension**-Select the Target Dimension in the SaaS environment.
  - **Export Flag**-Select **Yes** to export the Mapped Dimension.

 **Note:**

For a complete list of exportable Pre-seeded Dimensions, refer [Pre-mapped Dimensions for Migration](#).

3. Click **Save**.  
The new mapping is added to the Dimension Mappings Summary.

## Map Tables

Map tables tab includes the list of existing Instrument Mappings.

Ensure that you have the [User Groups](#) assigned to perform On-Premise to SaaS Migration.

To access the Map tables tab from the Configuration window:

1. Click **Map tables**.

All the Instrument Mappings created in that environment are displayed with the following details:

- **Table Type**-The table type.
  - **Source Table**-The table present in the Source/On-Premise setup.
  - **Target Table**-The Target table mapped to a specific Source Dimension.
  - **Mapping Type**-Indicates if the selected table is a System or a Custom table.
    - **System**-Pre-seeded table.
    - **Custom**-Created by the user. For more information, refer to [Adding new Instrument Mapping](#).
  - **Mapped Columns Count**-The number of columns mapped in the selected table and the total number of columns.
  - **Action**
    - **View**-View the details of a specific Instrument Mapping.
    - **Edit**-Modify the Source and Target table. For a System Instrument Mapping, the Source and the Target tables are non-editable.
    - **Delete**-Delete the selected Instrument Mapping. You cannot delete a Pre-seeded Instrument Mapping
2. To search for a specific entry, enter a keyword in the **Search box**.  
Click **Search Settings**, to filter the search columns. The specified search criteria are displayed in the Search box, based on the set filter.

## Adding a New Instrument Mapping

To migrate the tables from On-Premise to SaaS environment, map the source's table and columns to the respective table and columns of the destination.

Ensure that you have the [User Groups](#) assigned to perform On-Premise to SaaS Migration.

To add a new Instrument mapping,

1. Click **Add**.
2. Select the following details, in the **Table Mapping** pane.
  - **Table Type** - Table classification.
  - **Source Table** - Instrument and ledger tables in the On-Premise setup.
  - **Target Table** - Instrument and ledger tables in the SaaS setup.

 **Note:**

The seeded tables are already mapped and can't be changed.

3. Select the Source and Target columns, in the **Column Mapping** pane.

 **Note:**

You can modify the source and column mapping only for custom table mappings.

Click **Search Settings**, to filter the search columns. The specified search criteria are displayed in the Search box, based on the set filter.

Click **Show Unmapped Rows**, to view the rows that require mapping.

4. Click **Save** to create a new Instrument Mapping.

The new mapping is added to the Instrument Mappings Summary.

## Export Definitions

Create and configure Export Definitions from Export screen.

To access the Export Definition Summary:

1. Log in to the On-Premise setup with valid credentials. Ensure that you have the [User Groups](#) assigned to perform On-Premise to SaaS Migration.
2. In the LHS Navigation list, click **Common Object Maintenance > Object Administration > SaaS Migration Planner > Export**, to access the **SaaS Migration Planner-Export** window.

The **Export Object Summary** screen includes the export object definitions, with the following details:

- **Name**-The Export Definition name.

- **Application**-The application associated with the Export Definition.
- **Export Status**-The migration status of the Export Definition.
  - **Export Completed**
  - **Archive to be refreshed**
  - **Export has not started**
- **Created By**-The login name of the user who created this object migration.
- **Creation Date**-Export Definition creation date.
- **Last Exported On**-The Last Exported Date.
- **Action**
  - **View**-View the details of a specific Export Definition.
  - **Edit**-Modify the Name and the Object types.
  - **Create/Refresh Archive**-Refresh the archived file for a Exported Object.
  - **Download Archive**-Download the archive file for an ExportedDefinition to a Local Directory. [Import](#) this archive file to your SaaS environment, for [importing the Metadata objects](#).
  - **View Log**-View the Export log details.
  - **Delete** - Delete the selected Export Definition.

## Creating a New Export Definition

An Export definition includes multiple objects of different object types that you can migrate from the On-Premise to SaaS environment.

Ensure that you have the [User Groups](#) assigned to perform On-Premise to SaaS Migration.

To create a new export definition:

1. Click **Add**.
2. Select/enter the following **Export Definition** details.
  - **Name** - The unique identifier for the Export definition.

 **Note:**

The special characters - ~`!@#%^\*()+=|:;'"<>'?/ are not allowed.

- **Application** - The application for adding the object types to the definition. The object types included in the application are listed in the **Object Types** pane.
  - **Description** - The detailed description of the export definition.
3. Include the required Object Types to the export definition.

When you add an object type, all the dependent objects in the hierarchy are also included. But, when you remove an object type, you must remove the dependent objects manually.

You can add/remove all the objects associated with the listed object types. To add/remove objects for a specific object type, click **Action** and select the required option.

- **Add all Objects**
  - **View and Select Objects**
  - **Remove all Objects**
4. Click **Save** to create a new Export definition.  
The new definition is added to the Export definition Summary.

# 3

## SaaS Tasks

Add the archived file from the Local Directory and import the metadata objects to the SaaS environment.

To download the Archive Files to Target (SaaS) environment:

1. [Prerequisites](#)
2. [Accessing Import Summary page](#)
3. [Import Archive file](#)
4. [Import Meta data Objects](#)
5. [Verify import status](#)

### Prerequisites

Prerequisites for Target (SaaS) environment

#### User Groups

Ensure that the users are assigned to **Onprem Migration Admin** Group.

### Accessing Import Summary

All the archive files added to the SaaS environment are displayed.

To access the Import Summary:

1. Login to the SaaS environment with valid credentials. Ensure that you are assigned to **Onprem Migration Admin** group, to trigger the On-Premise to SaaS Migration.
2. In the LHS Navigation list, click **Operation and Processes > Object Administration > Import Legacy Object**.

All the archives created in the specific environment are displayed with the following details:

- **Name**-The Export Definition Name.
- **Version**-The version of a specific export definition. When the same archive file is downloaded more than once a new version is created and added to the Import Summary page.
- **Status**-The import status of a export definition.
  - **Ready to Import**
  - **Ongoing**
  - **Completed**
  - **Cancelled**
- **Import Initiated On**-The date and time at which the import began.

- **Import Completed On**-The date and time at which the import was completed.
  - **Action**
    - **Details**-View the details of a specific Export Definition archive.
3. To search for a specific entry, enter a keyword in the **Search box**.  
Click **Search Settings**, to filter the search columns. The specified search criteria are displayed in the Search box, based on the set filter.

## Importing Archive File

Import the archive file from the Local Directory, to import the Metadata objects to the SaaS environment.

Ensure that you are assigned to **Onprem Migration Admin** group, to trigger the On-Premise to SaaS Migration..

To download archive file, from the Import Summary page:

1. Click **Import New Archive**, to access the **Import New** pane.
2. Click **Browse** and select the archive file required for Metadata Import, from the Local Directory.
3. Click **Upload**.

The archive file is included to the list of archives, in the Import Summary page.

## Importing Metadata Objects

Import Metadata Objects, using the archive files added to the SaaS environment.

To import the Metadata Objects, from the **Import Summary**.

1. Click **Action** and **Details**, adjacent to the archive, to access the **Object Details**.

The list of Object Types included are listed with the following information:

- **Object Type**
  - **# of Objects**
  - **# of Imported**
  - **# of Failed**
  - **# of Skipped**
  - **Status**
  - **Details**
2. You can perform the following tasks in the Object Details pane:
    - Click **Details**, to view the **Import Status** of a specific Object Type.
    - Click **Cancel All** in the **Object Details** pane, to abort the import of all the objects.
  3. After importing all the objects, click **Complete**, to update the status of the specific Object Type in the Import Summary.

## Import Status

All the Metadata Objects included in archive, under a specific object type are displayed.

To view the import status of the Metadata Objects:

1. In the Object Details pane, click **Details**, to view the Import Status of a specific Object Type.

All the objects included in the archive, under a specific object type are listed.

- Source Definition Code
  - Source Definition Name
  - Import Status
  - Destination Definition Code
  - Retry
  - Skip
2. To filter and view the objects based on the Import status, select one of the following **Filter** options:
    - Not Started
    - Ongoing
    - Completed
    - Failed
    - Skipped
  3. Enable **Overwrite object if already Exist**, to replace an object with the same Source Definition Name.
  4. You can perform the following tasks:
    - To import all the objects, click **Start Import**.
    - To restart the import of an object with **Failed**status, click **Retry** adjacent to that object.
    - To retry the import of all the objects, click **Restart all Import**.
    - To skip the import of an object with **Failed**status, click **Skip** adjacent to that object.
    - To skip the import of all the objects, click **Skip all Import**.

# Part II

## Data Migration

Data Object Migration involves moving all the user details, seeded and custom tables, from On-premise to SaaS environment.

Complete the following tasks sequentially, for a successful Data Migration:

1. Complete the [Prerequisites](#)
2. Update the [Properties file](#) with the required [user](#), [table and column details](#), and [filter conditions](#).
3. [Export/re-export](#) the data from On-premise environment.
4. [Import](#) the data to SaaS environment.

# 4

## Prerequisites

Prerequisites for exporting and importing Data Objects.

### Prerequisites for Export

Complete the following tasks before exporting the Data Objects from the On-Premise environment:

- Create a Physical Directory in the Database Server with sufficiently large disk space to hold the exported data files (.CSV files), in the UNIX environment.

**Example:** `mkdir '/home/ofsa_export_dir'`

#### Note:

Using `CHMOD` command, give Write permission to Oracle Processes , for the new physical directory.

**Example :** `chmod -R 777 /home/ofsa_export_dir`

- Log in to the Database with SYS Privileges and execute the following tasks in SQLPLUS command.
  - Create a Database Directory pointing to the Physical Directory.  
**Example:** `create or replace directory OFSA_EXPORT_DIR as '/home/ofsa_export_dir'.`
  - Grant the `INFODOM-SCHEMA-USER` write permissions to `OFSA_EXPORT_DIR`.  
**Example** `GRANT READ, WRITE ON DIRECTORY OFSA_EXPORT_DIR TO <INFODOM-SCHEMA-USER>;`

### Prerequisites for Import

After exporting the data from the On-Premise environment, complete the following tasks:

#### Note:

The following steps are required only if the physical directory is not a shared mount.

- Archive all the generated `CTL` and `CSV` files and the archive file name should be `ofsa_export_dir.zip`.  
**Example** - `zip -r ofsa_export_dir.zip ofsa_export_dir`
- Move generated `ofsa_export_dir.zip` from Database Server to `$FIC_HOME/utility/Data_Export_to_SaaS/data_dumps` directory in the On-Premise environment.

# 5

## Properties Files

Properties file used in the On-Premise to SaaS migration contain the user input details. You can also configure the tables to be exported.

The OFSAA Administrator must update all the required details in the following properties file, before initiating the migration.

1. [user-input.properties](#)
2. [pbsm\\_export\\_table.properties](#)
3. [pbsm\\_export\\_table\\_filter.properties](#)

### User-input.properties

The User-input.properties file is located in `<$FIC_HOME>/utility/Data_Export_to_SaaS/conf` directory. The properties details are:

**Table 5-1 Properties File Details**

Field Name	Details
INFODOM	Information domain name of the On-premise environment.
DB_SERVER_DIRECTORY_NAME	Database server directory created using the SQLPLUS command. For more information refer to , <a href="#">Prerequisites</a> .
IDCS_URL	Identity Cloud Service URL. Contact your IDCS administrator for details.
SAAS_USERNAME	SaaS UI Login user name
SAAS_ENCODED_PASSWORD	SaaS UI login user password encoded in base-64.
ENCODED_CLIENT_ID_AND_SECRET	Client ID:Client Secret encoded in base-64. Contact your IDCS administrator for details.
SAAS_APPLICATION_HOST_URL	URL to access SaaS UI
TENANT_ID	SaaS tenant ID. Contact your IDCS administrator for details.
SERVICE_ID	One of the following SaaS Service IDs: <ul style="list-style-type: none"><li>• OFS_PFT - Profitability Management Cloud Service</li><li>• OFS_FTP - Fund Transfer Price Cloud Service</li></ul>
EXPORT_DIRECTORY_PATH	(Optional). The mount point location detail available in APP server. If EXPORT_DIRECTORY_PATH is not used, comment the option.

Table 5-1 (Cont.) Properties File Details

Field Name	Details
ENABLE_CONCURRENCY	Export and import multiple tables, simultaneously.

 **Note:**

Ensure that the export and import are not performed, simultaneously.

## pbsm\_export\_table.properties

The pbsm\_export\_table.properties includes all the Seeded tables to be exported. You can add the Custom table to be exported to the SaaS environment.

The pbsm\_export\_table.properties file is located in <\$FIC\_HOME>//utility/Data\_Export\_to\_SaaS/conf directory.

Modify the following details:

- **Custom tables**-Add the custom tables to be exported.
- **Export Flag**-Set to **Y**, to export the table. The Export Flag for all the Seeded tables are set to **Y**, by default.

**Example**

- FSI\_D\_BORROWINGS = Y
- FSI\_D\_ANNUITY\_CONTRACTS = Y
- FSI\_D\_CASA = N

## pbsm\_export\_table\_filter.properties

The pbsm\_export\_table\_filter.properties enables to configure the Filter Criteria required for data export.

Using the Properties file, you can configure the Filter Criteria for both Seeded and Custom tables.

This file is located in <\$FIC\_HOME>//utility/Data\_Export\_to\_SaaS/conf directory.

Modify the required filter criteria, before exporting the data.

**Example**

- FSI\_D\_BORROWINGS = AS\_OF\_DATE = TO\_DATE('21-Jun-2022','DD-MON-YYYY')
- FSI\_D\_ANNUITY\_CONTRACTS = AS\_OF\_DATE = TO\_DATE('21-Jun-2022','DD-MON-YYYY') AND LEGAL\_ENTITY\_ID = 1

# 6

## Migration Execution Scripts

Execute the specific Shell Scripts, to migrate the data objects from On-Premise to SaaS environment.

Execute the following scripts, for Data Migration:

1. [Export-data.sh](#)
2. [Re-export-data.sh](#)
3. [Import-data.sh](#)
4. [finalize.sh](#)
5. [generate-report.sh](#)

### Export-data.sh

Execute `export-data.sh` script, to validate and generate the data export `.csv` and `.ctl` files.

`export-data.sh` is located in `<$FIC_HOME>/utility/Data_Export_to_SaaS/bin` directory. Using `export-data.sh` script, you can migrate the data only once. To export a particular combination multiple times, execute [re-export-data.sh](#).

**Example** : `./export-data.sh`

### Re-export-data.sh

Execute `re-export-data.sh` script, to validate and regenerate the data export `.csv` and `.ctl` files.

`re-export-data.sh` is located in `<$FIC_HOME>/utility/Data_Export_to_SaaS/bin` directory. Using `re-export-data.sh` script, you can migrate the data, multiple times.

**Example** : `./re-export-data.sh`

### Import-data.sh

Execute `import-data.sh` script, to move data into the Target SaaS environment.

`import-data.sh` is located in `<$FIC_HOME>/utility/Data_Export_to_SaaS/bin` directory.

**Example** : `./import-data.sh`

### finalize.sh

Execute `finalize.sh` script, to apply the transformations to the data loaded into the Target SaaS environment.

`finalize.sh` is located in `<$FIC_HOME>/utility/Data_Export_to_SaaS/bin` directory.

**Syntax:** `./finalize.sh <Start_Date DDMMYYYY> <End_Date DDMMYYYY>`

 **Note:**

- The start date and end date are optional parameters.
- To transform the data for a specific time period, ensure to enter both the start and end date.
- If you provide only one date, it is considered as the start date.

**Example:** `./finalize.sh 01122023 31122023`

### Transformations Post Data Migration

Executing `finalize.sh` triggers the following data transformations.

**Table 6-1 Transformations post data migration**

SaaS/Target Table	SaaS-Column	Transformations Post Data Migration
FSI_D_ASSET, FSI_D_LIABILITY, FSI_D_FEE_BASED_ SERVICE, FSI_D_DERIVATIVE, FSI_D_LEDGER_INS TRUMENT, FSI_D_LOAN_COMMI TMENTS, FSI_D_OFF_BALANC E_SHEET, FSI_D_ACCOUNT_R ATE_TIERS, FSI_D_BREAK_FUN DING_CHARGES, FSI_D_PM_GENERA TED_INSTRMTS	<b>AMRT_TYPE_CD</b>	<ul style="list-style-type: none"> <li>• If <b>AMRT_TYPE_CD</b> is between 1000 and 69999, the corresponding value is set to 20</li> <li>• If <b>AMRT_TYPE_CD</b> is between 70000 and 99999, the corresponding value is set to 10</li> <li>• If <b>AMRT_TYPE_CD</b> is either 400 or 500, the corresponding value is set to 100</li> <li>• In all other scenarios, the <b>AMRT_TYPE_CD</b> value is retained</li> </ul>
FSI_D_ASSET, FSI_D_LIABILITY, FSI_D_FEE_BASED_ SERVICE, FSI_D_DERIVATIVE, FSI_D_LEDGER_INS TRUMENT, FSI_D_LOAN_COMMI TMENTS, FSI_D_OFF_BALANC E_SHEET, FSI_D_ACCOUNT_R ATE_TIERS, FSI_D_BREAK_FUN DING_CHARGES, FSI_D_PM_GENERA TED_INSTRMTS	<b>PMT_PATTERN_CD</b>	If <b>AMRT_TYPE_CD</b> is between 1000 and 69999, the <b>PMT_PATTERN_CD</b> value is set to the <b>AMRT_TYPE_CD</b> value. In all other scenarios, it is set to NULL.

Table 6-1 (Cont.) Transformations post data migration

SaaS/Target Table	SaaS-Column	Transformations Post Data Migration
FSI_D_ASSET, FSI_D_LIABILITY, FSI_D_FEE_BASED_ SERVICE, FSI_D_DERIVATIVE, FSI_D_LEDGER_INS TRUMENT, FSI_D_LOAN_COMMI TMENTS, FSI_D_OFF_BALANC E_SHEET, FSI_D_ACCOUNT_R ATE_TIERS, FSI_D_BREAK_FUN DING_CHARGES, FSI_D_PM_GENERA TED_INSTRMTS	<b>BEHAVIOUR_PATTE RN_CD</b>	If <b>AMRT_TYPE_CD</b> is between 70000 and 99999, the <b>BEHAVIOUR_PATTERN_CD</b> is set to the <b>AMRT_TYPE_CD</b> value. Otherwise, it is set to NULL.
FSI_D_ASSET, FSI_D_LIABILITY, FSI_D_FEE_BASED_ SERVICE, FSI_D_DERIVATIVE, FSI_D_LEDGER_INS TRUMENT, FSI_D_LOAN_COMMI TMENTS, FSI_D_OFF_BALANC E_SHEET, FSI_D_ACCOUNT_R ATE_TIERS, FSI_D_BREAK_FUN DING_CHARGES, FSI_D_PM_GENERA TED_INSTRMTS	<b>ADJUSTABLE_TYPE _CD</b>	<ul style="list-style-type: none"> <li>• If <b>ADJUSTABLE_TYPE_CD</b> is 30, the corresponding value is set to 50</li> <li>• If <b>ADJUSTABLE_TYPE_CD</b> &gt;= 500, the corresponding value is set to 10</li> <li>• In all other cases, the value of <b>ADJUSTABLE_TYPE_CD</b> is retained</li> </ul>
FSI_D_ASSET, FSI_D_LIABILITY, FSI_D_FEE_BASED_ SERVICE, FSI_D_DERIVATIVE, FSI_D_LEDGER_INS TRUMENT, FSI_D_LOAN_COMMI TMENTS, FSI_D_OFF_BALANC E_SHEET, FSI_D_ACCOUNT_R ATE_TIERS, FSI_D_BREAK_FUN DING_CHARGES, FSI_D_PM_GENERA TED_INSTRMTS	<b>REPRICE_PATTERN_ CD</b>	If <b>ADJUSTABLE_TYPE_CD</b> is >= 500, then the <b>REPRICE_PATTERN_CD</b> is set to the <b>ADJUSTABLE_TYPE_CD</b> value. In all other cases, it is set to NULL.

Table 6-1 (Cont.) Transformations post data migration

SaaS/Target Table	SaaS-Column	Transformations Post Data Migration
FSI_D_ASSET, FSI_D_LIABILITY, FSI_D_FEE_BASED_ SERVICE, FSI_D_DERIVATIVE, FSI_D_LEDGER_INS TRUMENT, FSI_D_LOAN_COMMI TMENTS, FSI_D_OFF_BALANC E_SHEET, FSI_D_ACCOUNT_R ATE_TIERS, FSI_D_BREAK_FUN DING_CHARGES, FSI_D_PM_GENERA TED_INSTRMTS	<b>COMPOUNDING_BA SIS_CD</b>	If <b>COMPOUNDING_BASIS_CD</b> is either 200 or 999, the corresponding value is set to 160. Otherwise, the value of <b>COMPOUNDING_BASIS_CD</b> is retained.
FSI_D_ASSET, FSI_D_LIABILITY	<b>OPTION_EXPIRY_DA TE</b>	The <b>OPTION_EXPIRY_DATE</b> column in the target table is updated with the values from the <b>OPTION_EXPIRY_DATE</b> column in the FSI_D_EMBEDDED_OPTIONS_SCH table.
FSI_D_ASSET, FSI_D_LIABILITY	<b>STRIKE_VALUE</b>	The <b>STRIKE_VALUE</b> column in the target table is updated with the values from the <b>STRIKE_VALUE</b> column in the FSI_D_EMBEDDED_OPTIONS_SCH table.
FSI_D_ASSET, FSI_D_LIABILITY	<b>STRIKE_IRC_CD</b>	The <b>STRIKE_IRC_CD</b> column in the target table is updated with the values from the <b>STRIKE_IRC_CD</b> column in the FSI_D_EMBEDDED_OPTIONS table.
FSI_D_ASSET, FSI_D_LIABILITY	<b>EXERCISE_TYPE_C D</b>	The <b>EXERCISE_TYPE_CD</b> column in the target table is updated with the values from the <b>EXERCISE_TYPE_CD</b> column in the FSI_D_EMBEDDED_OPTIONS table.
FSI_D_ASSET, FSI_D_LIABILITY	<b>RATE_LOOKUP_CD</b>	The <b>RATE_LOOKUP_CD</b> column in the target table is updated with the values from the <b>RATE_LOOKUP_CD</b> column in the FSI_D_EMBEDDED_OPTIONS table.
FSI_D_ASSET, FSI_D_LIABILITY	<b>STRIKE_TYPE_CD</b>	The <b>STRIKE_TYPE_CD</b> column in the target table is updated with the values from the <b>STRIKE_TYPE_CD</b> column in the FSI_D_EMBEDDED_OPTIONS table.
FSI_D_ASSET, FSI_D_LIABILITY	<b>OPTION_TYPE_CD</b>	The <b>OPTION_TYPE_CD</b> column in the target table is updated with the values from the <b>OPTION_TYPE_CD</b> column in the FSI_D_EMBEDDED_OPTIONS table.
FSI_D_ASSET, FSI_D_LIABILITY	<b>OPTION_START_DAT E</b>	The <b>OPTION_START_DATE</b> column in the target table is updated with the values from the <b>OPTION_START_DATE</b> column in the FSI_D_EMBEDDED_OPTIONS table.

Table 6-1 (Cont.) Transformations post data migration

SaaS/Target Table	SaaS-Column	Transformations Post Data Migration
FSI_D_ASSET, FSI_D_FEE_BASED_ SERVICE, FSI_D_LEDGER_INS TRUMENT, FSI_D_LOAN_COMMI TMENTS, FSI_D_OFF_BALANC E_SHEET	ACCOUNT_TYPE	<p><b>ACCOUNT_TYPE</b> is searched sequentially in the following tables and the value is updated.</p> <ol style="list-style-type: none"> <li>1. Product</li> <li>2. Common COA</li> <li>3. General Ledger</li> </ol> <p>If <b>ACCOUNT_TYPE</b> is not present in any of the above mentioned tables, it is set to 100.</p>
FSI_D_LIABILITY	ACCOUNT_TYPE	<p><b>ACCOUNT_TYPE</b> is searched sequentially in the following tables and the value is updated.</p> <ol style="list-style-type: none"> <li>1. Product</li> <li>2. Common COA</li> <li>3. General Ledger</li> </ol> <p>If <b>ACCOUNT_TYPE</b> is not present in any of the above mentioned tables, it is set to 300.</p>
FSI_D_DERIVATIVE	ACCOUNT_TYPE	<p>For the given <b>LEG_TYPE</b> values, the following <b>ACCOUNT_TYPE</b> values are configured.</p> <ul style="list-style-type: none"> <li>• If <b>LEG_TYPE</b> is 1, set <b>ACCOUNT_TYPE</b> as 310</li> <li>• If <b>LEG_TYPE</b> is 2, set <b>ACCOUNT_TYPE</b> as 110</li> <li>• In all other cases, set <b>ACCOUNT_TYPE</b> as 800</li> </ul>

## generate-report.sh

Execute `generate-report.sh` script, to generate a HTML report containing list of all the exported and imported table details.

`generate-report.sh` is located in `<$FIC_HOME>/utility/Data_Export_to_SaaS/bin` directory.

The final HTML reports are saved to `<FIC_HOME>/utility/Data_Export_to_SaaS/report` directory.

**Example** : `./generate-report.sh`

## A

# Pre-Mapped Dimensions for Migration

Pre-mapped dimensions with associated On-Premise and SaaS Dimension tables.

**Table A-1 Migratable Pre-Seeded Dimensions**

Dimension	On-Premise Dimension Table	SaaS Dimension Table
Accidental Health Insurance Company	FSI_ACCID_HEALTH_INS_CO_CD	FSI_ACCID_HEALTH_INS_CO_CD
Account Group	FSI_ACCOUNT_GROUP_CD	FSI_ACCOUNT_GROUP_CD
Account Officer	FSI_ACCOUNT_OFFICER_CD	FSI_ACCOUNT_OFFICER_CD
Account Type	FSI_ACCOUNT_TYPE_CD	FSI_ACCOUNT_TYPE_CD
Accrual Basis	FSI_ACCRUAL_BASIS_CD	FSI_ACCRUAL_BASIS_CD
Adjustable Type	FSI_ADJUSTABLE_TYPE_CD_V	FSI_ADJUSTABLE_TYPE_CD_V
Adjustment Type Code	FSI_ADJUSTMENT_TYPE_CD	FSI_ADJUSTMENT_TYPE_CD
Advice Type	FSI_ADVICE_TYPE_CD	FSI_ADVICE_TYPE_CD
Agent Bank	FSI_AGENT_BANK_CD	FSI_AGENT_BANK_CD
Aggregate Method	FSI_AGGREGATE_METHOD_CD	FSI_AGGREGATE_METHOD_CD
Amortization Method	FSI_AMORT_METHOD_CD	FSI_AMORT_METHOD_CD
Amortization Type	FSI_AMORTIZATION_TYPE_CD_V	FSI_AMORTIZATION_TYPE_CD_V
Annual Fee	FSI_ANNUAL_FEE_CD	FSI_ANNUAL_FEE_CD
Application Analyst	FSI_APPLICATION_ANALYST_CD	FSI_APPLICATION_ANALYST_CD
Authorization Device Type	FSI_AUTH_DEVICE_TYPE_CD	FSI_AUTH_DEVICE_TYPE_CD
Autopay Instruction Type	FSI_AUTOPAY_INSTR_TYPE_CD	FSI_AUTOPAY_INSTR_TYPE_CD
Balance Type	FSI_BALANCE_TYPE_CD	FSI_BALANCE_TYPE_CD
Bank	FSI_BANK_CD	FSI_BANK_CD
Branch	FSI_BRANCH_CD	DIM_BRANCH_B
Behavior Subtype Code	FSI_BEHAVIOUR_SUB_TYPE_CD	FSI_BEHAVIOUR_SUB_TYPE_CD
Behavior Type Code	FSI_BEHAVIOUR_TYPE_CD	FSI_BEHAVIOUR_TYPE_CD
Billing Method	FSI_BILLING_METHOD_CD	FSI_BILLING_METHOD_CD
Break Identification Code	FSI_BREAKAGE_TYPE_CD	FSI_BREAKAGE_TYPE_CD
Calendar Rolling Convention Code	FSI_CAL_ROLLING_CONVENTION_CD	FSI_CAL_ROLLING_CONVENTION_CD
Cash Flow Code	FSI_CASH_FLOW_TYPE_CD	FSI_CASH_FLOW_TYPE_CD
Channel	FSI_DISTRIBUTION_CHANNEL_CD	FSI_CHANNEL_CD
Chargeoff Reason	FSI_CHARGE_OFF_REASON_CD	FSI_CHARGE_OFF_REASON_CD
Collateral	FSI_COLLATERAL_CD	FSI_COLLATERAL_CD
Commit Option Type	FSI_COMMIT_OPTION_TYPE_CD	FSI_COMMIT_OPTION_TYPE_CD

**Table A-1 (Cont.) Migratable Pre-Seeded Dimensions**

<b>Dimension</b>	<b>On-Premise Dimension Table</b>	<b>SaaS Dimension Table</b>
Commitment Type	FSI_COMMITMENT_TYPE_CD	FSI_COMMITMENT_TYPE_CD
Common Chart of Accounts	DIM_COMMON_COA_B	DIM_COMMON_COA_B
Compounding Basis Code	FSI_COMPOUND_BASIS_CD	FSI_COMPOUND_BASIS_CD
Consolidation Code	FSI_CONSOLIDATION_CD	FSI_CONSOLIDATION_CD
Corporate Agreement	FSI_CORPORATE_AGREEMENT_CD	FSI_CORPORATE_AGREEMENT_CD
Country	DIM_COUNTRY_B	FSI_COUNTRY_CD
Credit Life Insurance Company	FSI_CREDIT_LIFE_INS_CO_CD	FSI_CREDIT_LIFE_INS_CO_CD
Credit Rating	FSI_CREDIT_RATING_CD	FSI_CREDIT_RATING_CD
Credit Status	FSI_CREDIT_STATUS_CD	FSI_CREDIT_STATUS_CD
CWB Status	FSI_CWB_STATUS_CD	FSI_CWB_STATUS_CD
Data Source	FSI_INSTRUMENT_DATA_SOURCE_CD	FSI_INSTRUMENT_DATA_SOURCE_CD
Data Source Code	FSI_DATA_SOURCE_CD	FSI_DATA_SOURCE_CD
Direct Deposit Account Type	FSI_DIR_DEPOS_ACCT_TYPE_CD	FSI_DIR_DEPOS_ACCT_TYPE_CD
Direct Indicator Code	FSI_DIRECT_IND_CD	FSI_DIRECT_IND_CD
Disbursement Method	FSI_DISBURS_METHOD_CD	FSI_DISBURS_METHOD_CD
Delinquency Status	FSI_DELIQUENCY_STATUS_CD	FSI_DELIQUENCY_STATUS_CD
Deposit Type	FSI_DEPOSIT_TYPE_CD	FSI_DEPOSIT_TYPE_CD
Documentation	FSI_DOCUMENTATION_CD	FSI_DOCUMENTATION_CD
Exception	FSI_EXCEPTION_CD	FSI_EXCEPTION_CD
Existing Borrower Code Dimension	FSI_EXIST_BORROWER_CD	FSI_EXIST_BORROWER_CD
Fiduciary Agreement	FSI_FIDUCIARY_AGREEMENT_CD	FSI_FIDUCIARY_AGREEMENT_CD
Financial Element	DIM_FINANCIAL_ELEMENTS_B	DIM_FINANCIAL_ELEMENTS_B
Funding Status	FSI_FUNDING_STATUS_CD	FSI_FUNDING_STATUS_CD
Funding Type	FSI_FUNDING_TYPE_CD	FSI_FUNDING_TYPE_CD
Futures Subtype Code	FSI_FUTURES_SUBTYPE_CD	FSI_FUTURES_SUBTYPE_CD
Futures Type Code	FSI_FUTURES_TYPE_CD	FSI_FUTURES_TYPE_CD
General Ledger Account	DIM_GENERAL_LEDGER_B	DIM_GENERAL_LEDGER_B
Geographic Location	FSI_GEOGRAPHIC_LOC_CD	DIM_GEOGRAPHIC_LOC_B
Geographic State	FSI_GEOGRAPHIC_LOC_STATE_CD	FSI_GEOGRAPHIC_LOC_STATE_CD
Holiday Calc	FSI_HOLIDAY_CALC_OPTION_CD	FSI_HOLIDAY_CALC_OPTION_CD
Instrument Type	FSI_INSTRUMENT_TYPE_CD	FSI_INSTRUMENT_TYPE_CD
Interest Dividends Option	FSI_INT_DIVIDENDS_OPTION_CD	FSI_INT_DIVIDENDS_OPTION_CD
Interest Payment Method	FSI_INT_PAYMENT_METHOD_CD	FSI_INT_PAYMENT_METHOD_CD
Interest Timing Type Code	FSI_INTEREST_TIMING_TYPE_CD	FSI_INTEREST_TIMING_TYPE_CD

**Table A-1 (Cont.) Migratable Pre-Seeded Dimensions**

<b>Dimension</b>	<b>On-Premise Dimension Table</b>	<b>SaaS Dimension Table</b>
Investor Type	FSI_INVESTOR_TYPE_CD	FSI_INVESTOR_TYPE_CD
IR Option Type	FSI_IR_OPTION_TYPE_CD	FSI_IR_OPTION_TYPE_CD
IRA Funding Status Code Dimension	FSI_IRA_FUNDING_STATUS_CD	FSI_IRA_FUNDING_STATUS_CD
Issuer	FSI_ISSUER_CD	FSI_ISSUER_CD
Joint Agreement	FSI_JOINT_AGREEMENT_CD	FSI_JOINT_AGREEMENT_CD
Lien Position	FSI_LIEN_POSITION_CD	FSI_LIEN_POSITION_CD
Liquidity Class	FSI_LIQUIDITY_CLASS_CD	FSI_LIQUIDITY_CLASS_CD
Leg Type	FSI_LEG_TYPE_CD	FSI_LEG_TYPE_CD
Legal Entity	DIM_LEGAL_ENTITY_B	DIM_LEGAL_ENTITY_B
Loan Type	FSI_LOAN_TYPE_CD	FSI_LOAN_TYPE_CD
Margin Agreement	FSI_MARGIN_AGREEMENT_CD	FSI_MARGIN_AGREEMENT_CD
Market Segment Code	FSI_MARKET_SEGMENT_CD	FSI_MARKET_SEGMENT_CD
Merchant Class	FSI_MERCHANT_CLASS_CD	FSI_MERCHANT_CLASS_CD
Merchant Chain	FSI_MERCHANT_CHAIN_CD	FSI_MERCHANT_CHAIN_CD
Multiplier Code	FSI_MULTIPLIER_CD	FSI_MULTIPLIER_CD
Net Margin	FSI_NET_MARGIN_CD	FSI_NET_MARGIN_CD
Occupancy	FSI_OCCUPANCY_CD	FSI_OCCUPANCY_CD
Option Decision Type	FSI_OPTION_DECISION_TYPE_CD	FSI_OPTION_DECISION_TYPE_CD
Option Exercise Code	FSI_OPTION_EXERCISE_CD	FSI_OPTION_EXERCISE_CD
Option Strike Type	FSI_OPTION_STRIKE_TYPE_CD	FSI_OPTION_STRIKE_TYPE_CD
Option Rate Lookup Type	FSI_OPTION_RATE_LOOKUP_CD	FSI_OPTION_RATE_LOOKUP_CD
Option Type Code	FSI_OPTION_TYPE_CD	FSI_OPTION_TYPE_CD
Organizational Unit	DIM_ORG_UNIT_B	DIM_ORG_UNIT_B
Overdraft Protection	FSI_OVERDRAFT_PROTECTION_CD	FSI_OVERDRAFT_PROTECTION_CD
Outside Info Source	FSI_OUTSIDE_INFO_SOURCE_CD	FSI_OUTSIDE_INFO_SOURCE_CD
Ownership Type	FSI_OWNERSHIP_TYPE_CD	FSI_OWNERSHIP_TYPE_CD
Parent Service	FSI_PARENT_SERVICE_CD	FSI_PARENT_SERVICE_CD
Pay Ahead	FSI_PAY_AHEAD_CD	FSI_PAY_AHEAD_CD
Pay Equivalent Compounding Convention Code	FSI_PAY_EQUI_COMPOUND_CONV_CD	FSI_PAY_EQUI_COMPOUND_CONV_CD
Payment Type	FSI_PAYMENT_TYPE_CD	FSI_PAYMENT_TYPE_CD
Plan	FSI_PLAN_CD	FSI_PLAN_CD
Pledged Status	FSI_PLEDGED_STATUS_CD	FSI_PLEDGED_STATUS_CD
Prev Delq Statu	FSI_PREV_DELQ_STATUS_CD	FSI_PREV_DELQ_STATUS_CD
Product	DIM_PRODUCTS_B	DIM_PRODUCTS_B
Product Type Code	FSI_PRODUCT_TYPE_CD	FSI_PRODUCT_TYPE_CD
Property Purpose	FSI_PROPERTY_PURPOSE_CD	FSI_PROPERTY_PURPOSE_CD
Property Sub Type	FSI_PROPERTY_SUB_TYPE_CD	FSI_PROPERTY_SUB_TYPE_CD

**Table A-1 (Cont.) Migratable Pre-Seeded Dimensions**

<b>Dimension</b>	<b>On-Premise Dimension Table</b>	<b>SaaS Dimension Table</b>
Purpose	FSI_PURPOSE_CD	FSI_PURPOSE_CD
Rate Change Rounding Code	FSI_RATE_CHG_ROUNDING_CD	FSI_RATE_CHG_ROUNDING_CD
Rate Data Source	FSI_RATE_DATA_SOURCE_CD	FSI_RATE_DATA_SOURCE_CD
Reason Closed	FSI_REASON_CLOSED_CD	FSI_REASON_CLOSED_CD
Relationship Type	FSI_RELATIONSHIP_TYPE_CD	FSI_RELATIONSHIP_TYPE_CD
Roll Facility	FSI_ROLL_FACILITY_CD	FSI_ROLL_FACILITY_CD
Rollup Signage	FSI_ROLLUP_SIGNAGE_CD	FSI_ROLLUP_SIGNAGE_CD
School Code	FSI_SCHOOL_ID_CD	FSI_SCHOOL_ID_CD
Service Option	FSI_SERVICE_OPTION_CD	FSI_SERVICE_OPTION_CD
Service Source	FSI_SERVICE_SOURCE_CD	FSI_SERVICE_SOURCE_CD
Servicing Agent	FSI_SERVICING_AGENT_CD	FSI_SERVICING_AGENT_CD
Settlement Account Service Code	FSI_SETTLEMENT_ACCT_SERV_CD	FSI_SETTLEMENT_ACCT_SERV_CD
Solicit Source	FSI_SOLICIT_SOURCE_CD	FSI_SOLICIT_SOURCE_CD
Standard Industrial Classification Code	FSI_SIC_CD	FSI_SIC_CD
Student Year in School	FSI_STUDENT_YR_IN_SCHOOL_CD	FSI_STUDENT_YR_IN_SCHOOL_CD
Swap Class	FSI_SWAP_CLASS_CD	FSI_SWAP_CLASS_CD

# B

## Deprecated Columns in Data Tables

List of deprecated columns in Data tables

1. FSI\_D\_ANNUITY\_CONTRACTS
2. FSI\_D\_BORROWINGS
3. FSI\_D\_BREAK\_FUNDING\_CHARGES
4. FSI\_D\_CASA
5. FSI\_D\_CREDIT\_CARDS
6. FSI\_D\_CREDIT\_LINES
7. FSI\_D\_FUTURES
8. FSI\_D\_FX\_CONTRACTS
9. FSI\_D\_GUARANTEES
10. FSI\_D\_INVESTMENTS
11. FSI\_D\_LEASES
12. FSI\_D\_LEDGER\_STAT\_INSTRUMENT
13. FSI\_D\_LOAN\_COMMITMENTS
14. FSI\_D\_LOAN\_CONTRACTS
15. FSI\_D\_MERCHANT\_CARDS
16. FSI\_D\_MM\_CONTRACTS
17. FSI\_D\_MORTGAGES
18. FSI\_D\_MUTUAL\_FUNDS
19. FSI\_D\_OTHER\_SERVICES
20. FSI\_D\_RETIREMENT\_ACCOUNTS
21. FSI\_D\_SWAPS
22. FSI\_D\_TERM\_DEPOSITS
23. FSI\_D\_TRUSTS

## FSI\_D\_ANNUITY\_CONTRACTS

List of deprecated Columns in FSI\_D\_ANNUITY\_CONTRACTS table.

1. AGENCY\_FEES
2. ALLOC\_EQUITY
3. ALLOC\_MISC\_1
4. ALLOC\_MISC\_2

5. ALLOC\_MISC\_3
6. ALLOC\_MISC\_4
7. ALLOC\_MISC\_5
8. AVERAGE\_LIFE\_C
9. AVG\_NET\_BOOK\_BAL\_C
10. COMMISSION\_ON\_COLLECTION
11. CONVEXITY\_C
12. CUR\_NET\_BOOK\_BAL\_C
13. CUR\_NET\_PAR\_BAL\_C
14. CUR\_YIELD\_DURATION\_C
15. DV01\_C
16. EBANKING\_EXP
17. MARGIN\_T\_RATE
18. MARKET\_VALUE\_CLEAN\_C
19. MODIFIED\_DURATION\_C
20. ORG\_NET\_BOOK\_BAL\_C
21. ORG\_NET\_PAR\_BAL\_C
22. RATE\_DECR\_YEAR
23. RATE\_INCR\_YEAR
24. TAX\_EXEMPT\_PCT

## FSI\_D\_BORROWINGS

List of deprecated Columns in FSI\_D\_BORROWINGS table.

1. AGENCY\_FEES
2. ALLOC\_EQUITY
3. ALLOC\_MISC\_1
4. ALLOC\_MISC\_2
5. ALLOC\_MISC\_3
6. ALLOC\_MISC\_4
7. ALLOC\_MISC\_5
8. AVERAGE\_LIFE\_C
9. AVG\_NET\_BOOK\_BAL\_C
10. BACKUP\_LIQUID\_COST
11. CALL\_PRICE
12. COLLATERAL\_MKT\_VALUE
13. COLLATERAL\_NOMINAL\_VALUE
14. COMMISSION\_ON\_COLLECTION

15. CONTRIBUTION\_AFTER\_CAPITAL\_CHG
16. CONVEXITY\_C
17. CUR\_NET\_BOOK\_BAL\_C
18. CUR\_NET\_PAR\_BAL\_C
19. CUR\_YIELD
20. DEPOSIT\_FLOAT
21. DIST\_FR\_LIFE\_CAP\_C
22. DRAWN\_AMT
23. DURATION\_C
24. DV01\_C
25. EBANKING\_EXP
26. GROSS\_FEE\_INCOME
27. MARGIN\_T\_RATE
28. MARKET\_RISK\_CAPITAL
29. MARKET\_VALUE\_CLEAN\_C
30. MISC\_ASSET\_CHG
31. MISC\_LIABILITY\_CR
32. MODIFIED\_DURATION\_C
33. NET\_FEE\_INCOME
34. NET\_INT\_MARGIN
35. OP\_RISK\_CAPITAL\_ORG\_NET\_BOOK\_BAL\_C
36. ORG\_NET\_PAR\_BAL\_C
37. RATE\_DECR\_YEAR
38. RATE\_INCR\_YEAR
39. RETURN\_ITEMS
40. RETURN\_ON\_EQUITY
41. RISK\_ADJ\_AVG\_BAL
42. TAX\_EXEMPT\_PCT
43. TOTAL\_FEES
44. TOTAL\_TRANSACTIONS
45. UNDRAWN\_AMT

## FSI\_D\_BREAK\_FUNDING\_CHARGES

List of deprecated Columns in FSI\_D\_BREAK\_FUNDING\_CHARGES table.

1. ACTUAL\_HOLDING\_PERIOD
2. AGENCY\_FEES
3. ALLOC\_EQUITY

4. ALLOC\_MISC\_1
5. ALLOC\_MISC\_2
6. ALLOC\_MISC\_3
7. ALLOC\_MISC\_4
8. ALLOC\_MISC\_5
9. APPROVED\_AMT
10. ARM\_BASE\_RATE
11. AVERAGE\_LIFE\_C
12. AVG\_NET\_BOOK\_BAL\_C
13. COMMISSION\_ON\_COLLECTION
14. CONTRACT\_AMT
15. CONTRIB\_AFTER\_CAPITAL\_CHG
16. CONVEXITY\_C
17. CUR\_NET\_BOOK\_BAL\_C
18. CUR\_NET\_PAR\_BAL\_C
19. CUR\_YIELD
20. CURRENT\_FEES
21. DEL\_LIFE\_TIMES
22. DEL\_YEAR\_TIMES
23. DIST\_FR\_LIFE\_CAP\_C
24. DURATION\_C
25. DV01\_C
26. EBANKING\_EXP
27. GROSS\_FEE\_INCOME
28. MARGIN\_T\_RATE
29. MARKET\_VALUE\_CLEAN\_C
30. MODIFIED\_DURATION\_C
31. NET\_FEE\_INCOME
32. NET\_INT\_MARGIN
33. ORG\_LOAN\_TO\_VALUE
34. ORG\_NET\_BOOK\_BAL\_C
35. ORG\_NET\_PAR\_BAL\_C
36. ORG\_PAR\_BAL\_C
37. PARTICIPATION\_AMT\_SOLD
38. RATE\_DECR\_YEAR
39. RATE\_INCR\_YEAR
40. RESERVE\_CHARGE\_CREDIT

41. RETURN\_ITEMS
42. RETURN\_ON\_EQUITY
43. TAX\_EXEMPT\_PCT
44. TOTAL\_FEES
45. TOTAL\_FEES\_AT\_ORG
46. TOTAL\_TRANSACTIONS

## FSI\_D\_CASA

List of deprecated Columns in FSI\_D\_ANNUITY\_CONTRACTS table.

1. AGENCY\_FEES
2. ALLOC\_EQUITY
3. ALLOC\_MISC\_1
4. ALLOC\_MISC\_2
5. ALLOC\_MISC\_3
6. ALLOC\_MISC\_4
7. ALLOC\_MISC\_5
8. ANNUAL\_ACCT\_FEE
9. AVERAGE\_LIFE\_C
10. AVG\_COLLECT\_BAL
11. AVG\_NET\_BOOK\_BAL\_C
12. CARDS\_ISSUED
13. COMMISSION\_ON\_COLLECTION
14. CONTRIB\_AFTER\_CAPITAL\_CHG
15. CONVEXITY\_C
16. CUR\_NET\_BOOK\_BAL\_C
17. CUR\_NET\_PAR\_BAL\_C
18. CUR\_OVERDRAFT\_BAL
19. CUR\_YIELD
20. CURRENT\_FEES
21. DAILY\_LIMIT
22. DAILY\_LIMIT\_ATM
23. DAILY\_LIMIT\_POS
24. DEPOSIT\_FLOAT
25. DEPOSIT\_RESERVES\_CHARGE
26. DURATION\_C
27. DV01\_C
28. EBANKING\_EXP

29. GROSS\_FEE\_INCOME
30. HIGH\_BAL
31. INTEREST\_CHARGE\_CREDIT
32. LAST\_DEPOSIT\_AMT
33. LAST\_WITHDRAW\_AMT
34. LOW\_BAL
35. MARGIN\_T\_RATE
36. MARKET\_RISK\_CAPITAL
37. MARKET\_VALUE\_CLEAN\_C
38. MAX\_AMT\_GUARANTEED
39. MISC\_ASSET\_CHG
40. MISC\_LIABILITY\_CR
41. MODIFIED\_DURATION\_C
42. NET\_FEE\_INCOME
43. NET\_INT\_MARGIN
44. NOT\_ON\_US\_CREDITS
45. NOT\_ON\_US\_DEBITS
46. OD\_CUR\_DAYS
47. OD\_LIFE\_TIMES
48. OD\_YEAR\_TIMES
49. OP\_RISK\_CAPITAL
50. ORG\_NET\_BOOK\_BAL\_C
51. ORG\_NET\_PAR\_BAL\_C
52. PHONE\_TRANSACTIONS
53. RATE\_DECR\_YEAR
54. RATE\_INCR\_YEAR
55. REQ\_VS\_COLL\_BAL\_C
56. REQUIRED\_BAL
57. RESIDUAL\_AMT\_OF\_GUARANTEE
58. RETURN\_ITEMS
59. RETURN\_ON\_EQUITY
60. RISK\_ADJ\_AVG\_BAL
61. TAX\_EXEMPT\_PCT
62. TOTAL\_FEES
63. TOTAL\_TRANSACTIONS

## FSI\_D\_CREDIT\_CARDS

List of deprecated Columns in FSI\_D\_CREDIT\_CARDS table.

1. AGENCY\_FEES
2. ALLOC\_EQUITY
3. ALLOC\_LLR
4. ALLOC\_LLR\_CR
5. ALLOC\_MISC\_1
6. ALLOC\_MISC\_2
7. ALLOC\_MISC\_3
8. ALLOC\_MISC\_4
9. ALLOC\_MISC\_5
10. ANNUAL\_ACCT\_FEE
11. AVAILABLE\_CREDIT
12. AVERAGE\_LIFE\_C
13. AVG\_NET\_BOOK\_BAL\_C
14. BONUS\_AMT
15. CARDS\_ISSUED
16. CASH\_BALANCE
17. CASH\_RATE
18. CHARGE\_OFF\_BAL
19. COMMISSION\_ON\_COLLECTION
20. CONTRIB\_AFTER\_CAPITAL\_CHG
21. CONVEXITY\_C
22. CREDIT\_BAL\_INT\_RATE
23. CREDIT\_LINE
24. CREDIT\_RISK\_CAPITAL
25. CUR\_CREDIT\_LIMIT
26. CUR\_NET\_BOOK\_BAL\_C
27. CUR\_NET\_PAR\_BAL\_C
28. CUR\_YIELD
29. CURRENT\_FEES
30. CYCLE\_DAY\_OF\_MONTH
31. DEL\_LIFE\_TIMES
32. DEL\_YEAR\_TIMES
33. DISPUTED\_TRANSFER\_BAL

34. DRAWN\_AMT
35. DURATION\_C
36. DV01\_C
37. EBANKING\_EXP
38. FINANCE\_CHARGE\_BAL
39. GROSS\_FEE\_INCOME
40. HIGH\_BAL
41. LARGEST\_OUTST\_BAL
42. LAST\_PAYMENT\_AMT
43. LIMIT\_USE\_RATIO\_C
44. MARGIN\_T\_RATE
45. MARKET\_RISK\_CAPITAL
46. MARKET\_VALUE\_CLEAN\_C
47. MERCHANDISE\_BAL
48. MERCHANDISE\_RATE
49. MERCHANT\_INT\_RATE
50. MISC\_ASSET\_CHG
51. MISC\_LIABILITY\_CR
52. MODIFIED\_DURATION\_C
53. NET\_FEE\_INCOME
54. NET\_INT\_MARGIN
55. OP\_RISK\_CAPITAL
56. ORG\_NET\_BOOK\_BAL\_C
57. ORG\_NET\_PAR\_BAL\_C
58. ORIGINAL\_CREDIT\_LINE
59. OVER\_LIMIT\_BAL
60. OVER\_LIMIT\_CURRENT\_CYCLE
61. OVER\_LIMIT\_LF\_TIME
62. PURCH\_SPECIAL\_SERV\_CHARGES
63. RATE\_DECR\_YEAR
64. RATE\_INCR\_YEAR
65. RESERVE\_CHARGE\_CREDIT
66. RETURN\_ITEMS
67. RETURN\_ON\_EQUITY
68. RISK\_ADJ\_AVG\_BAL
69. SPECIAL\_PAYMENT\_AMT
70. TAX\_EXEMPT\_PCT

- 71. TOTAL\_CHARGES
- 72. TOTAL\_FEES
- 73. TOTAL\_TRANSACTIONS
- 74. UNDRAWN\_AMT

## FSI\_D\_CREDIT\_LINES

List of deprecated Columns in FSI\_D\_CREDIT\_LINES table.

- 1. AGENCY\_FEES
- 2. ALLOC\_EQUITY
- 3. ALLOC\_MISC\_1
- 4. ALLOC\_MISC\_2
- 5. ALLOC\_MISC\_3
- 6. ALLOC\_MISC\_4
- 7. ALLOC\_MISC\_5
- 8. ANNUAL\_ACCT\_FEE
- 9. AVAILABLE\_CREDIT
- 10. AVERAGE\_LIFE\_C
- 11. AVG\_NET\_BOOK\_BAL\_C
- 12. CASH\_BALANCE
- 13. CHARGE\_OFF\_BAL
- 14. COLLATERAL\_MKT\_VALUE
- 15. COLLATERAL\_NOMINAL\_VALUE
- 16. COMMISSION\_ON\_COLLECTION
- 17. CONTRIB\_AFTER\_CAPITAL\_CHG
- 18. CONVEXITY\_C
- 19. CREDIT\_LINE
- 20. CUR\_CREDIT\_LIMIT
- 21. CUR\_NET\_BOOK\_BAL\_C
- 22. CUR\_NET\_PAR\_BAL\_C
- 23. CUR\_YIELD
- 24. CURRENT\_FEES
- 25. CYCLE\_DAY\_OF\_MONTH
- 26. DEALER\_RES\_ORG
- 27. DEALER\_RES\_UNEARN
- 28. DEL\_LIFE\_TIMES
- 29. DEL\_YEAR\_TIMES
- 30. DISPUTED\_TRANSFER\_BAL

31. DRAWN\_AMT
32. DURATION\_C
33. DV01\_C
34. EBANKING\_EXP
35. FINANCE\_CHARGE\_BAL
36. GROSS\_FEE\_INCOME
37. HIGH\_BAL
38. INITIAL\_DIRCT\_COST
39. LARGEST\_OUTST\_BAL
40. LAST\_PAYMENT\_AMT
41. LIMIT\_USE\_RATIO\_C
42. LOW\_BAL
43. MARGIN\_T\_RATE
44. MARKET\_VALUE\_CLEAN\_C
45. MERCHANDISE\_BAL
46. MERCHANDISE\_RATE
47. MODIFIED\_DURATION\_C
48. NET\_FEE\_INCOME
49. NET\_INT\_MARGIN
50. NOTCH1\_DOWNGRADE\_CF\_IMPACT
51. NOTCH10\_DOWNGRADE\_CF\_IMPACT
52. NOTCH2\_DOWNGRADE\_CF\_IMPACT
53. NOTCH3\_DOWNGRADE\_CF\_IMPACT
54. NOTCH4\_DOWNGRADE\_CF\_IMPACT
55. NOTCH5\_DOWNGRADE\_CF\_IMPACT
56. NOTCH6\_DOWNGRADE\_CF\_IMPACT
57. NOTCH7\_DOWNGRADE\_CF\_IMPACT
58. NOTCH8\_DOWNGRADE\_CF\_IMPACT
59. NOTCH9\_DOWNGRADE\_CF\_IMPACT
60. NTNL\_PRIN\_AMT
61. ORG\_INTEREST\_AMT
62. ORG\_LOAN\_TO\_VALUE
63. ORG\_NET\_BOOK\_BAL\_C
64. ORG\_NET\_PAR\_BAL\_C
65. ORIGINAL\_CREDIT\_LINE
66. RATE\_DECR\_YEAR
67. RATE\_INCR\_YEAR

68. RESERVE\_CHARGE\_CREDIT
69. RETURN\_ITEMS
70. RETURN\_ON\_EQUITY
71. TAX\_EXEMPT\_PCT
72. TOTAL\_CHARGES
73. TOTAL\_FEES
74. TOTAL\_FEES\_AT\_ORG
75. TOTAL\_TRANSACTIONS
76. UNDRAWN\_AMT

## FSI\_D\_FUTURES

List of deprecated Columns in FSI\_D\_FUTURES table.

1. AGENCY\_FEES
2. ALLOC\_EQUITY
3. ALLOC\_MISC\_1
4. ALLOC\_MISC\_2
5. ALLOC\_MISC\_3
6. ALLOC\_MISC\_4
7. ALLOC\_MISC\_5
8. AVERAGE\_LIFE\_C
9. COMMISSION\_ON\_COLLECTION
10. CONTRACT\_MULTIPLIER
11. CONTRACT\_ORG\_PRICE
12. CONTRACT\_PRICE
13. CONVERSION\_FACTOR
14. CONVEXITY\_C
15. CUR\_YIELD
16. DURATION\_C
17. DV01\_C
18. EBANKING\_EXP
19. MARKET\_VALUE\_CLEAN\_C
20. MODIFIED\_DURATION\_C
21. NO\_OF\_CONTRACTS
22. YTM\_UNDERLYING\_RATE

## FSI\_D\_FX\_CONTRACTS

List of deprecated Columns in FSI\_D\_FX\_CONTRACTS table.

1. AGENCY\_FEES
2. ALLOC\_EQUITY
3. ALLOC\_MISC\_1
4. ALLOC\_MISC\_2
5. ALLOC\_MISC\_3
6. ALLOC\_MISC\_4
7. ALLOC\_MISC\_5
8. AVERAGE\_LIFE\_C
9. AVG\_DAILY\_COLL\_REQD
10. AVG\_NET\_BOOK\_BAL\_C
11. AVG\_PEAK\_INTRADAY\_COLL\_USED
12. COLLATERAL\_MKT\_VALUE
13. COLLATERAL\_NOMINAL\_VALUE
14. COMMISSION\_FEES
15. COMMISSION\_ON\_COLLECTION
16. CONTRIB\_AFTER\_CAPITAL\_CHG
17. CONVEXITY\_C
18. CUR\_NET\_BOOK\_BAL\_C
19. CUR\_NET\_PAR\_BAL\_C
20. CUR\_YIELD
21. DURATION\_C
22. DV01\_C
23. EBANKING\_EXP
24. GROSS\_FEE\_INCOME
25. MARGIN\_T\_RATE
26. MARKET\_VALUE\_CLEAN\_C
27. MODIFIED\_DURATION\_C
28. NET\_FEE\_INCOME
29. ORG\_NET\_BOOK\_BAL\_C
30. ORG\_NET\_PAR\_BAL\_C
31. TAX\_EXEMPT\_PCT
32. TOTAL\_FEES
33. TOTAL\_TRANSACTIONS

## FSI\_D\_GUARANTEES

List of deprecated Columns in FSI\_D\_GUARANTEES table.

1. AGENCY\_FEES
2. ALLOC\_EQUITY
3. ALLOC\_MISC\_1
4. ALLOC\_MISC\_2
5. ALLOC\_MISC\_3
6. ALLOC\_MISC\_4
7. ALLOC\_MISC\_5
8. AVERAGE\_LIFE\_C
9. AVG\_NET\_BOOK\_BAL\_C
10. COMMISSION\_ON\_COLLECTION
11. CONVEXITY\_C
12. CUR\_NET\_BOOK\_BAL\_C
13. CUR\_NET\_PAR\_BAL\_C
14. CUR\_YIELD
15. DRAWN\_AMT
16. DURATION\_C
17. DV01\_C
18. EBANKING\_EXP
19. GUARANTEE\_AMT
20. MARGIN\_T\_RATE
21. MARKET\_VALUE\_CLEAN\_C
22. MODIFIED\_DURATION\_C
23. ORG\_NET\_BOOK\_BAL\_C
24. ORG\_NET\_PAR\_BAL\_C
25. RATE\_DECR\_YEAR
26. RATE\_INCR\_YEAR
27. TAX\_EXEMPT\_PCT
28. UNDRAWN\_AMT

## FSI\_D\_INVESTMENTS

List of deprecated Columns in FSI\_D\_INVESTMENTS table.

1. AGENCY\_FEES
2. ALLOC\_EQUITY

3. ALLOC\_MISC\_1
4. ALLOC\_MISC\_2
5. ALLOC\_MISC\_3
6. ALLOC\_MISC\_4
7. ALLOC\_MISC\_5
8. AVERAGE\_LIFE\_C
9. AVG\_DAILY\_COLL\_REQD
10. AVG\_NET\_BOOK\_BAL\_C
11. AVG\_PEAK\_INTRADAY\_COLL\_USED
12. COMMISSION\_FEES
13. COMMISSION\_ON\_COLLECTION
14. COMMISSIONS\_RATE
15. CONTRIB\_AFTER\_CAPITAL\_CHG
16. CONVEXITY\_C
17. CUR\_NET\_BOOK\_BAL\_C
18. CUR\_NET\_PAR\_BAL\_C
19. CUR\_YIELD
20. DISCOUNT\_PCT\_BOND\_TRANS
21. DISCOUNT\_PCT\_STOCK\_TRANS
22. DURATION\_C
23. DV01\_C
24. EBANKING\_EXP
25. GROSS\_FEE\_INCOME
26. LOAN\_VALUE
27. MARGIN\_T\_RATE
28. MARKET\_PRICE
29. MARKET\_VALUE\_CLEAN\_C
30. MISC\_ASSET\_CHG
31. MISC\_LIABILITY\_CR
32. MKT\_VS\_BOOK\_BAL\_C
33. MODIFIED\_DURATION\_C
34. MTM\_VALUE
35. NET\_FEE\_INCOME
36. NET\_INT\_MARGIN
37. NOMINAL\_VALUE
38. OP\_RISK\_CAPITAL
39. ORG\_NET\_BOOK\_BAL\_C

40. ORG\_NET\_PAR\_BAL\_C
41. PURCHASE\_PRICE
42. RATE\_DECR\_YEAR
43. RATE\_INCR\_YEAR
44. RESERVE\_CHARGE\_CREDIT
45. RETURN\_ITEMS
46. RETURN\_ON\_EQUITY
47. SHARE\_VALUE
48. SHARES
49. TAX\_EXEMPT\_PCT
50. TOTAL\_FEES
51. TOTAL\_TRANSACTIONS
52. UNENCUMBERED\_AMT
53. VOLUME\_OF\_INSTRUMENTS

## FSI\_D\_LEASES

List of deprecated Columns in FSI\_D\_LEASES table.

1. AGENCY\_FEES
2. ALLOC\_EQUITY
3. ALLOC\_MISC\_1
4. ALLOC\_MISC\_2
5. ALLOC\_MISC\_3
6. ALLOC\_MISC\_4
7. ALLOC\_MISC\_5
8. AVERAGE\_LIFE\_C
9. AVG\_NET\_BOOK\_BAL\_C
10. COLLATERAL\_MKT\_VALUE
11. COLLATERAL\_NOMINAL\_VALUE
12. COMMISSION\_ON\_COLLECTION
13. CONTRACT\_AMT
14. CONTRIB\_AFTER\_CAPITAL\_CHG
15. CONVEXITY\_C
16. CUR\_NET\_BOOK\_BAL\_C
17. CUR\_NET\_PAR\_BAL\_C
18. CUR\_YIELD
19. CURRENT\_FEES
20. DEALER\_RES\_ORG

21. DEALER\_RES\_UNEARN
22. DEL\_LIFE\_TIMES
23. DEL\_YEAR\_TIMES
24. DISPOSED\_ASSETS
25. DURATION\_C
26. DV01\_C
27. EBANKING\_EXP
28. GROSS\_FEE\_INCOME
29. INITIAL\_DIRCT\_COST
30. INVENTORIED\_ASSETS
31. MARGIN\_T\_RATE
32. MARKET\_VALUE\_CLEAN\_C
33. MODIFIED\_DURATION\_C
34. NET\_FEE\_INCOME
35. NET\_INT\_MARGIN
36. NUM\_ASSETS
37. ORG\_INTEREST\_AMT
38. ORG\_LOAN\_TO\_VALUE
39. ORG\_NET\_BOOK\_BAL\_C
40. ORG\_NET\_PAR\_BAL\_C
41. RATE\_DECR\_YEAR
42. RATE\_INCR\_YEAR
43. RESERVE\_CHARGE\_CREDIT
44. RESIDUAL\_VALUE\_RISK
45. RETURN\_ITEMS
46. RETURN\_ON\_EQUITY
47. TAX\_EXEMPT\_PCT
48. TOTAL\_FEES
49. TOTAL\_FEES\_AT\_ORG
50. TOTAL\_TRANSACTIONS

## FSI\_D\_LEDGER\_STAT\_INSTRUMENT

List of deprecated Columns in FSI\_D\_LEDGER\_STAT\_INSTRUMENT table.

1. AGENCY\_FEES
2. ALLOC\_EQUITY
3. ALLOC\_MISC\_1
4. ALLOC\_MISC\_2

5. ALLOC\_MISC\_3
6. ALLOC\_MISC\_4
7. ALLOC\_MISC\_5
8. AVERAGE\_LIFE\_C
9. AVG\_NET\_BOOK\_BAL\_C
10. COMMISSION\_ON\_COLLECTION
11. CONVEXITY\_C
12. CUR\_NET\_BOOK\_BAL\_C
13. CUR\_NET\_PAR\_BAL\_C
14. CUR\_YIELD
15. DURATION\_C
16. DV01\_C
17. EBANKING\_EXP
18. MARGIN\_T\_RATE
19. MARKET\_VALUE\_CLEAN\_C
20. MODIFIED\_DURATION\_C
21. ORG\_NET\_BOOK\_BAL\_C
22. ORG\_NET\_PAR\_BAL\_C
23. RATE\_DECR\_YEAR
24. RATE\_INCR\_YEAR
25. TAX\_EXEMPT\_PCT

## FSI\_D\_LOAN\_COMMITMENTS

List of deprecated Columns in FSI\_D\_LOAN\_COMMITMENTS table.

1. AGENCY\_FEES
2. ALLOC\_EQUITY
3. ALLOC\_MISC\_1
4. ALLOC\_MISC\_2
5. ALLOC\_MISC\_3
6. ALLOC\_MISC\_4
7. ALLOC\_MISC\_5
8. AVERAGE\_LIFE\_C
9. COMMISSION\_ON\_COLLECTION
10. CONVEXITY\_C
11. CUR\_NET\_PAR\_BAL\_C
12. CUR\_YIELD
13. DURATION\_C

14. DV01\_C
15. EBANKING\_EXP
16. MARGIN\_T\_RATE
17. MARKET\_VALUE\_CLEAN\_C
18. MODIFIED\_DURATION\_C

## FSI\_D\_LOAN\_CONTRACTS

List of deprecated Columns in FSI\_D\_LOAN\_CONTRACTS table.

1. ACCIDENT\_HEALTH\_PREMIUM
2. AGENCY\_FEES
3. ALLOC\_EQUITY
4. ALLOC\_LLR
5. ALLOC\_LLR\_CR
6. ALLOC\_MISC\_1
7. ALLOC\_MISC\_2
8. ALLOC\_MISC\_3
9. ALLOC\_MISC\_4
10. ALLOC\_MISC\_5
11. AVERAGE\_LIFE\_C
12. AVG\_NET\_BOOK\_BAL\_C
13. BACKUP\_LIQUID\_COST
14. CALL\_PRICE
15. COLLATERAL\_MKT\_VALUE
16. COLLATERAL\_NOMINAL\_VALUE
17. COMMISSION\_ON\_COLLECTION
18. COMMIT\_UTIL\_PCT\_C
19. CONTRACT\_AMT
20. CONTRIB\_AFTER\_CAPITAL\_CHG
21. CONVEXITY\_C
22. CREDIT\_LIFE\_INS\_PREM
23. CREDIT\_RISK\_CAPITAL
24. CUR\_NET\_BOOK\_BAL\_C
25. CUR\_NET\_PAR\_BAL\_C
26. CUR\_YIELD
27. CURRENT\_FEES
28. DEALER\_RES\_ORG
29. DEALER\_RES\_UNEARN

30. DEL\_LIFE\_TIMES
31. DEL\_YEAR\_TIMES
32. DIST\_FR\_LIFE\_CAP\_C
33. DRAWN\_AMT
34. DURATION\_C
35. DV01\_C
36. EBANKING\_EXP
37. GROSS\_FEE\_INCOME
38. INITIAL\_DIRCT\_COST
39. INTEREST\_CHARGE\_CREDIT
40. INTEREST\_OVERDUE
41. MARGIN\_T\_RATE
42. MARKET\_RISK\_CAPITAL
43. MARKET\_VALUE\_CLEAN\_C
44. MISC\_ASSET\_CHG
45. MISC\_LIABILITY\_CR
46. MODIFIED\_DURATION\_C
47. NET\_FEE\_INCOME
48. NET\_INT\_MARGIN
49. NOTCH1\_DOWNGRADE\_CF\_IMPACT
50. NOTCH10\_DOWNGRADE\_CF\_IMPACT
51. NOTCH2\_DOWNGRADE\_CF\_IMPACT
52. NOTCH3\_DOWNGRADE\_CF\_IMPACT
53. NOTCH4\_DOWNGRADE\_CF\_IMPACT
54. NOTCH5\_DOWNGRADE\_CF\_IMPACT
55. NOTCH6\_DOWNGRADE\_CF\_IMPACT
56. NOTCH7\_DOWNGRADE\_CF\_IMPACT
57. NOTCH8\_DOWNGRADE\_CF\_IMPACT
58. NOTCH9\_DOWNGRADE\_CF\_IMPACT
59. OP\_RISK\_CAPITAL
60. ORG\_INTEREST\_AMT
61. ORG\_LOAN\_TO\_VALUE
62. ORG\_NET\_BOOK\_BAL\_C
63. ORG\_NET\_PAR\_BAL\_C
64. PARTICIPATION\_AMT\_SOLD
65. PRIME\_RATE
66. RATE\_DECR\_YEAR

67. RATE\_INCR\_YEAR
68. RESERVE\_CHARGE\_CREDIT
69. RETURN\_ITEMS
70. RETURN\_ON\_EQUITY
71. RISK\_ADJ\_AVG\_BAL
72. TAX\_EXEMPT\_PCT
73. TOTAL\_FEES
74. TOTAL\_FEES\_AT\_ORG
75. TOTAL\_TRANSACTIONS
76. UNDRAWN\_AMT

## FSI\_D\_MERCHANT\_CARDS

List of deprecated Columns in FSI\_D\_MERCHANT\_CARDS table.

1. AGENCY\_FEES
2. ALLOC\_EQUITY
3. ALLOC\_MISC\_1
4. ALLOC\_MISC\_2
5. ALLOC\_MISC\_3
6. ALLOC\_MISC\_4
7. ALLOC\_MISC\_5
8. AUTHORIZATION\_FEES
9. AVAILABLE\_CREDIT
10. AVERAGE\_LIFE\_C
11. AVG\_NET\_BOOK\_BAL\_C
12. AVG\_TICKET\_BAL
13. BONUS\_AMT
14. CASH\_BALANCE
15. CASH\_RATE
16. CHARGE\_OFF\_BAL
17. CHARGEBACK\_EXP
18. COMMISSION\_ON\_COLLECTION
19. CONTRIB\_AFTER\_CAPITAL\_CHG
20. CONVEXITY\_C
21. CORRECTION\_FEES
22. CREDIT\_BAL\_INT\_RATE
23. CUR\_CREDIT\_LIMIT
24. CUR\_NET\_BOOK\_BAL\_C

25. CUR\_NET\_PAR\_BAL\_C
26. CUR\_YIELD
27. CURRENT\_FEES
28. CYCLE\_DAY\_OF\_MONTH
29. DEL\_LIFE\_TIMES
30. DEL\_YEAR\_TIMES
31. DISCOUNT\_RATE
32. DISCOUNTED\_FEES
33. DURATION\_C
34. DV01\_C
35. EBANKING\_EXP
36. FINANCE\_CHARGE\_BAL
37. FLOAT\_DAYS\_YTD
38. FLOAT\_MGMT\_FEES
39. GROSS\_FEE\_INCOME
40. LARGEST\_OUTST\_BAL
41. LAST\_PAYMENT\_AMT
42. LIMIT\_USE\_RATIO\_C
43. MARGIN\_T\_RATE
44. MARKET\_VALUE\_CLEAN\_C
45. MEMBER\_DUES
46. MERCHANDISE\_BAL
47. MERCHANDISE\_RATE
48. MERCHANT\_CHARGES
49. MODIFIED\_DURATION\_C
50. NET\_FEE\_INCOME
51. NET\_INT\_MARGIN
52. ORG\_NET\_BOOK\_BAL\_C
53. ORG\_NET\_PAR\_BAL\_C
54. ORIGINAL\_CREDIT\_LINE
55. OTHER\_EXP
56. OVER\_LIMIT\_BAL
57. OVER\_LIMIT\_CURRENT\_CYCLE
58. OVER\_LIMIT\_LF\_TIME
59. RATE\_DECR\_YEAR
60. RATE\_INCR\_YEAR
61. RESERVE\_CHARGE\_CREDIT

- 62. RETURN\_ITEMS
- 63. RETURN\_ON\_EQUITY
- 64. TAX\_EXEMPT\_PCT
- 65. TOTAL\_CHARGES
- 66. TOTAL\_FEES
- 67. TOTAL\_TRANSACTIONS
- 68. VOLUME\_REBATE\_AMT
- 69. WARNING\_BULLETINS\_EXP

## FSI\_D\_MM\_CONTRACTS

List of deprecated Columns in FSI\_D\_MM\_CONTRACTS table.

- 1. AGENCY\_FEES
- 2. ALLOC\_EQUITY
- 3. ALLOC\_MISC\_1
- 4. ALLOC\_MISC\_2
- 5. ALLOC\_MISC\_3
- 6. ALLOC\_MISC\_4
- 7. ALLOC\_MISC\_5
- 8. AVERAGE\_LIFE\_C
- 9. AVG\_DAILY\_COLL\_REQD
- 10. AVG\_NET\_BOOK\_BAL\_C
- 11. AVG\_PEAK\_INTRADAY\_COLL\_USED
- 12. COLLATERAL\_MKT\_VALUE
- 13. COLLATERAL\_NOMINAL\_VALUE
- 14. COMMISSION\_FEES
- 15. COMMISSION\_ON\_COLLECTION
- 16. COMMISSIONS\_RATE
- 17. CONTRACT\_QUANTITY
- 18. CONTRIB\_AFTER\_CAPITAL\_CHG
- 19. CONVEXITY\_C
- 20. CUR\_NET\_BOOK\_BAL\_C
- 21. CUR\_NET\_PAR\_BAL\_C
- 22. CUR\_YIELD
- 23. DISCOUNT\_PCT\_BOND\_TRANS
- 24. DISCOUNT\_PCT\_STOCK\_TRANS
- 25. DURATION\_C
- 26. DV01\_C

27. EBANKING\_EXP
28. GROSS\_FEE\_INCOME
29. LOAN\_VALUE
30. MARGIN\_AMOUNT
31. MARGIN\_T\_RATE
32. MARKET\_PRICE
33. MARKET\_VALUE\_CLEAN\_C
34. MKT\_VS\_BOOK\_BAL\_C
35. MODIFIED\_DURATION\_C
36. MTM\_VALUE
37. NET\_FEE\_INCOME
38. NET\_INT\_MARGIN
39. NOMINAL\_VALUE
40. ORG\_NET\_BOOK\_BAL\_C
41. ORG\_NET\_PAR\_BAL\_C
42. PURCHASE\_PRICE
43. RATE\_DECR\_YEAR
44. RATE\_INCR\_YEAR
45. RESERVE\_CHARGE\_CREDIT
46. RETURN\_ITEMS
47. RETURN\_ON\_EQUITY
48. SHARE\_VALUE
49. SHARES
50. TAX\_EXEMPT\_PCT
51. TOTAL\_FEES
52. TOTAL\_TRANSACTIONS
53. UNENCUMBERED\_AMT

## FSI\_D\_MORTGAGES

List of deprecated Columns in FSI\_D\_MORTGAGES table.

1. AGENCY\_FEES
2. ALLOC\_EQUITY
3. ALLOC\_LLR
4. ALLOC\_LLR\_CR
5. ALLOC\_MISC\_1
6. ALLOC\_MISC\_2
7. ALLOC\_MISC\_3

8. ALLOC\_MISC\_4
9. ALLOC\_MISC\_5
10. APPROVED\_AMT
11. ARM\_BASE\_RATE
12. AVERAGE\_LIFE\_C
13. AVG\_NET\_BOOK\_BAL\_C
14. COLLATERAL\_MKT\_VALUE
15. COLLATERAL\_NOMINAL\_VALUE
16. COMMISSION\_ON\_COLLECTION
17. CONTRACT\_AMT
18. CONTRIB\_AFTER\_CAPITAL\_CHG
19. CONVEXITY\_C
20. CREDIT\_RISK\_CAPITAL
21. CUR\_MIN\_PMT
22. CUR\_NET\_BOOK\_BAL\_C
23. CUR\_NET\_PAR\_BAL\_C
24. CUR\_YIELD
25. CURRENT\_FEES
26. DEL\_LIFE\_TIMES
27. DEL\_YEAR\_TIMES
28. DIST\_FR\_LIFE\_CAP\_C
29. DRAWN\_AMT
30. DURATION\_C
31. DV01\_C
32. EBANKING\_EXP
33. FIRST\_RESET\_AGE
34. GROSS\_FEE\_INCOME
35. MARGIN\_T\_RATE
36. MARKET\_RISK\_CAPITAL
37. MARKET\_VALUE\_CLEAN\_C
38. MISC\_ASSET\_CHG
39. MISC\_LIABILITY\_CR
40. MODIFIED\_DURATION\_C
41. MORT\_INS\_AMT
42. MORT\_INS\_CUTOFF
43. MORT\_INS\_PREMIUM
44. NET\_FEE\_INCOME

45. NET\_INT\_MARGIN
46. OP\_RISK\_CAPITAL
47. ORG\_CUST\_LTV
48. ORG\_LOAN\_TO\_VALUE
49. ORG\_NET\_BOOK\_BAL\_C
50. ORG\_NET\_PAR\_BAL\_C
51. PARTICIPATION\_AMT\_SOLD
52. PREPAY\_INDEX\_TERM
53. RATE\_DECR\_YEAR
54. RATE\_INCR\_YEAR
55. RESERVE\_CHARGE\_CREDIT
56. RETURN\_ITEMS
57. RETURN\_ON\_EQUITY
58. RISK\_ADJ\_AVG\_BAL
59. TAX\_EXEMPT\_PCT
60. TOTAL\_FEES
61. TOTAL\_FEES\_AT\_ORG
62. TOTAL\_TRANSACTIONS

## FSI\_D\_MUTUAL\_FUNDS

List of deprecated Columns in FSI\_D\_MUTUAL\_FUNDS table.

1. AGENCY\_FEES
2. ALLOC\_EQUITY
3. ALLOC\_MISC\_1
4. ALLOC\_MISC\_2
5. ALLOC\_MISC\_3
6. ALLOC\_MISC\_4
7. ALLOC\_MISC\_5
8. AVERAGE\_LIFE\_C
9. AVG\_NET\_BOOK\_BAL\_C
10. COMMISSION\_FEES
11. COMMISSION\_ON\_COLLECTION
12. COMMISSIONS\_RATE
13. CONTRACT\_QUANTITY
14. CONTRIB\_AFTER\_CAPITAL\_CHG
15. CONVEXITY\_C
16. CUR\_NET\_BOOK\_BAL\_C

17. CUR\_NET\_PAR\_BAL\_C
18. CUR\_YIELD
19. DISCOUNT\_PCT\_BOND\_TRANS
20. DISCOUNT\_PCT\_STOCK\_TRANS
21. DURATION\_C
22. DV01\_C
23. EBANKING\_EXP
24. GROSS\_FEE\_INCOME
25. LOAN\_VALUE
26. MARGIN\_AMOUNT
27. MARGIN\_T\_RATE
28. MARKET\_PRICE
29. MARKET\_VALUE\_CLEAN\_C
30. MKT\_VS\_BOOK\_BAL\_C
31. MODIFIED\_DURATION\_C
32. MTM\_VALUE
33. NET\_FEE\_INCOME
34. NET\_INT\_MARGIN
35. ORG\_NET\_BOOK\_BAL\_C
36. ORG\_NET\_PAR\_BAL\_C
37. PURCHASE\_PRICE
38. RATE\_DECR\_YEAR
39. RATE\_INCR\_YEAR
40. RESERVE\_CHARGE\_CREDIT
41. RETURN\_ITEMS
42. RETURN\_ON\_EQUITY
43. SHARE\_VALUE
44. SHARES
45. TAX\_EXEMPT\_PCT
46. TOTAL\_FEES
47. TOTAL\_TRANSACTIONS

## FSI\_D\_OTHER\_SERVICES

List of deprecated Columns in FSI\_D\_OTHER\_SERVICES table.

1. AGENCY\_FEES
2. ALLOC\_EQUITY
3. ALLOC\_MISC\_1

4. ALLOC\_MISC\_2
5. ALLOC\_MISC\_3
6. ALLOC\_MISC\_4
7. ALLOC\_MISC\_5
8. AVERAGE\_LIFE\_C
9. AVG\_NET\_BOOK\_BAL\_C
10. COMMISSION\_ON\_COLLECTION
11. CONTRIB\_AFTER\_CAPITAL\_CHG
12. CONVEXITY\_C
13. CUR\_NET\_BOOK\_BAL\_C
14. CUR\_NET\_PAR\_BAL\_C
15. CUR\_YIELD
16. CURRENT\_FEES
17. DURATION\_C
18. DV01\_C
19. EBANKING\_EXP
20. GROSS\_FEE\_INCOME
21. MARGIN\_T\_RATE
22. MARKET\_VALUE\_CLEAN\_C
23. MISC\_ASSET\_CHG
24. MISC\_LIABILITY\_CR
25. MODIFIED\_DURATION\_C
26. NET\_FEE\_INCOME
27. NET\_INT\_MARGIN
28. OP\_RISK\_CAPITAL
29. ORG\_NET\_BOOK\_BAL\_C
30. ORG\_NET\_PAR\_BAL\_C
31. RATE\_DECR\_YEAR
32. RATE\_INCR\_YEAR
33. RETURN\_ITEMS
34. RETURN\_ON\_EQUITY
35. SAFE\_DEPOSIT\_BOX\_FEE
36. TAX\_EXEMPT\_PCT
37. TOTAL\_FEES
38. TOTAL\_TRANSACTIONS

## FSI\_D\_RETIREMENT\_ACCOUNTS

List of deprecated Columns in FSI\_D\_RETIREMENT\_ACCOUNTS table.

1. AGENCY\_FEES
2. ALLOC\_EQUITY
3. ALLOC\_MISC\_1
4. ALLOC\_MISC\_2
5. ALLOC\_MISC\_3
6. ALLOC\_MISC\_4
7. ALLOC\_MISC\_5
8. AVERAGE\_LIFE\_C
9. AVG\_NET\_BOOK\_BAL\_C
10. COMMISSION\_ON\_COLLECTION
11. CONTRIB\_AFTER\_CAPITAL\_CHG
12. CONVEXITY\_C
13. CUR\_NET\_BOOK\_BAL\_C
14. CUR\_NET\_PAR\_BAL\_C
15. CUR\_YIELD
16. CURRENT\_FEES
17. DEPOSIT\_RESERVES\_CHARGE
18. DURATION\_C
19. DV01\_C
20. EBANKING\_EXP
21. GROSS\_FEE\_INCOME
22. HIGH\_BAL
23. LAST\_DEPOSIT\_AMT
24. LAST\_WITHDRAW\_AMT
25. LOW\_BAL
26. MARGIN\_T\_RATE
27. MARKET\_PRICE
28. MARKET\_VALUE\_CLEAN\_C
29. MAX\_AMT\_GUARANTEED
30. MKT\_VS\_BOOK\_BAL\_C
31. MODIFIED\_DURATION\_C
32. NET\_FEE\_INCOME
33. NET\_INT\_MARGIN

34. ORG\_NET\_BOOK\_BAL\_C
35. ORG\_NET\_PAR\_BAL\_C
36. PURCHASE\_PRICE
37. RATE\_DECR\_YEAR
38. RATE\_INCR\_YEAR
39. RESIDUAL\_AMT\_OF\_GUARANTEE
40. RETURN\_ITEMS
41. RETURN\_ON\_EQUITY
42. TAX\_EXEMPT\_PCT
43. TOTAL\_FEES
44. TOTAL\_TRANSACTIONS

## FSI\_D\_SWAPS

List of deprecated Columns in FSI\_D\_SWAPS table.

1. AGENCY\_FEES
2. ALLOC\_EQUITY
3. ALLOC\_MISC\_1
4. ALLOC\_MISC\_2
5. ALLOC\_MISC\_3
6. ALLOC\_MISC\_4
7. ALLOC\_MISC\_5
8. AVERAGE\_LIFE\_C
9. COMMISSION\_ON\_COLLECTION
10. CONVEXITY\_C
11. CUR\_YIELD
12. DURATION\_C
13. DV01\_C
14. EBANKING\_EXP
15. MARGIN\_T\_RATE
16. MARKET\_VALUE\_CLEAN\_C
17. MODIFIED\_DURATION\_C
18. RATE\_DECR\_YEAR
19. RATE\_INCR\_YEAR

## FSI\_D\_TERM\_DEPOSITS

List of deprecated Columns in FSI\_D\_TERM\_DEPOSITS table.

1. AGENCY\_FEES
2. ALLOC\_EQUITY
3. ALLOC\_MISC\_1
4. ALLOC\_MISC\_2
5. ALLOC\_MISC\_3
6. ALLOC\_MISC\_4
7. ALLOC\_MISC\_5
8. AVERAGE\_LIFE\_C
9. AVG\_COLLECT\_BAL
10. AVG\_NET\_BOOK\_BAL\_C
11. COMMISSION\_ON\_COLLECTION
12. CONTRIB\_AFTER\_CAPITAL\_CHG
13. CONVEXITY\_C
14. CUR\_NET\_BOOK\_BAL\_C
15. CUR\_NET\_PAR\_BAL\_C
16. CUR\_YIELD
17. CURRENT\_FEES
18. DEPOSIT\_FLOAT
19. DEPOSIT\_RESERVES\_CHARGE
20. DURATION\_C
21. DV01\_C
22. EBANKING\_EXP
23. GROSS\_FEE\_INCOME
24. HIGH\_BAL
25. LAST\_DEPOSIT\_AMT
26. LAST\_WITHDRAW\_AMT
27. LOW\_BAL
28. MARGIN\_T\_RATE
29. MARKET\_RISK\_CAPITAL
30. MARKET\_VALUE\_CLEAN\_C
31. MAX\_AMT\_GUARANTEED
32. MISC\_ASSET\_CHG
33. MISC\_LIABILITY\_CR
34. MODIFIED\_DURATION\_C
35. NET\_FEE\_INCOME
36. NET\_INT\_MARGIN
37. OP\_RISK\_CAPITAL

38. ORG\_NET\_BOOK\_BAL\_C
39. ORG\_NET\_PAR\_BAL\_C
40. RATE\_DECR\_YEAR
41. RATE\_INCR\_YEAR
42. REQ\_VS\_COLL\_BAL\_C
43. REQUIRED\_BAL
44. RESIDUAL\_AMT\_OF\_GUARANTEE
45. RETURN\_ITEMS
46. RETURN\_ON\_EQUITY
47. RISK\_ADJ\_AVG\_BAL
48. TAX\_EXEMPT\_PCT
49. TOTAL\_FEES
50. TOTAL\_TRANSACTIONS

## FSI\_D\_TRUSTS

List of deprecated Columns in FSI\_D\_TRUSTS table.

1. AGENCY\_FEES
2. ALLOC\_EQUITY
3. ALLOC\_MISC\_1
4. ALLOC\_MISC\_2
5. ALLOC\_MISC\_3
6. ALLOC\_MISC\_4
7. ALLOC\_MISC\_5
8. AVERAGE\_LIFE\_C
9. AVG\_NET\_BOOK\_BAL\_C
10. BONDS\_BAL
11. COMMISSION\_FEES
12. COMMISSION\_ON\_COLLECTION
13. CONTRIB\_AFTER\_CAPITAL\_CHG
14. CONVEXITY\_C
15. CUR\_NET\_BOOK\_BAL\_C
16. CUR\_NET\_PAR\_BAL\_C
17. CUR\_YIELD
18. CURRENT\_FEES
19. DISCOUNT\_PCT\_BOND\_TRANS
20. DISCOUNT\_PCT\_STOCK\_TRANS
21. DURATION\_C

- 22. DV01\_C
- 23. EBANKING\_EXP
- 24. EXPECTED\_BAL
- 25. EXPECTED\_BAL\_GROWTH\_PCT
- 26. FUNDS\_BAL
- 27. GROSS\_FEE\_INCOME
- 28. LOAN\_VALUE
- 29. MARGIN\_T\_RATE
- 30. MARKET\_VALUE\_CLEAN\_C
- 31. MINIMUM\_BALANCE
- 32. MODIFIED\_DURATION\_C
- 33. NET\_FEE\_INCOME
- 34. NET\_INT\_MARGIN
- 35. ORG\_NET\_BOOK\_BAL\_C
- 36. ORG\_NET\_PAR\_BAL\_C
- 37. OTHER\_BAL
- 38. RATE\_DECR\_YEAR
- 39. RATE\_INCR\_YEAR
- 40. RETURN\_ITEMS
- 41. RETURN\_ON\_EQUITY
- 42. STOCK\_BAL
- 43. TAX\_EXEMPT\_PCT
- 44. TOTAL\_FEES
- 45. TOTAL\_TRANSACTIONS