

# Oracle® Financial Services

## Behavior Detection Installation Guide



Release 8.1.2.11.0

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# Document Control

**Table Document Control**

<b>Version Number</b>	<b>Revision Date</b>	<b>Change Log</b>
8.1.2.11.0	February 2026	Initial version for 8.1.2.11.0.

# Preface

*Using Investigation Hub Administration* describes how to configure the case status, actions, and types used in Process Modeling Framework (PMF) to define the case investigation workflow.

## Preface

This section provides information on the Oracle Financial Services (OFS) Behavior Detection Installation Guide.

## Audience

OFS Behavior Detection Installation Guide is intended for System Engineers who are responsible for installing and maintaining the application.

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

- UNIX commands
- Database concepts

## Related Resources

This section identifies additional resources to the OFS Behavior Detection. You can access additional documents from the [Oracle Help Center](#).

## Abbreviations

The following table lists the abbreviations used in this document.

**Table 1 Abbreviations**

Abbreviations	Meaning
ML	Maintenance Level Release
OFSAAI	Oracle Financial Services Analytical Applications Infrastructure
EAR/WAR	Enterprise Archive / Web Archive
MOS	My Oracle Support.

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## 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 user supply particular values.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that user enter.

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# 1

## Introduction

The Oracle Financial Services Behavior Detection (OFS Behavior Detection) 8.1.2.11 Installation Guide provides instructions to install the OFS Behavior Detection 8.1.2.11 Maintenance Level (ML) release.

The OFS Behavior Detection 8.1.2.11 ML release includes all the bug fixes and minor enhancements done since the GA (General Availability) release, 8.1.2.0.0. This ML also contains forward port of all bugs/enhancements and bug fixes from lower OFS Behavior Detection versions (806, 807, and 808). For information on the 8.1.2.0.0 installation, see [Oracle Financial Services Behavior Detection Release 8.1.2.0.0 Installation Guide](#).

# 2

## Pre-Installation Steps & How to Apply This Maintenance Level Release?

This chapter describes the pre-installation requirements and how to apply the maintenance release Oracle Financial Services Behavior Detection Application Pack v8.1.2.0.0 Minor Release #11 8.1.2.11.0.

### Topics:

- [Pre-Installation Requirements](#)
- [How to Apply This Maintenance Level Release?](#)

### 2.1 Pre-Installation Requirements

This section describes the pre-installation requirements.

#### ① Note

The OFS AAI 8.1.2.5.x release supports Oracle Linux 9 Server in addition to the continued support on Oracle Linux 8 and Oracle Linux 7. For more information see, the [AAI Pre-installation Requirements](#).

#### ① Note

- Before running the patch, perform a backup of the `$FIC_HOME` and `ftpshare` directories and the Atomic and Config schemas.
- Take a backup of CSA area and truncate all the staging tables before the BD81211 ML application.
- OFS Behavior Detection 8.1.2.11.0 uses the BD-AM slice of Oracle FSDF 8.1.2.10.0. Refer to [OFS BD Version Compatibility List](#) for details on OFS BD version compatibility with OFSAAI, FSDF, and OFS ECM.

1. Download the OFS Behavior Detection 8.1.2.11.0 archive file from [My Oracle Support](#) by searching for Patch ID 38402265 under the **Patches & Updates** tab.

Also, ensure that the mandatory patches mentioned in the *Prerequisites* section of the [Oracle Financial Services Behavior Detection Release 8.1.2.11.0 ReadMe](#) are applied before installation.

2. Install OFSBD 8.1.2.0.0 before applying 8.1.2.11.0.

**Note**

Ignore this step if OFS BD 8.1.2.1.0, OFS BD 8.1.2.2.0, OFS BD 8.1.2.3.0, 8.1.2.4.0, 8.1.2.5.0, 8.1.2.6.0, 8.1.2.7.0, 8.1.2.8.0, 8.1.2.9.0 or 8.1.2.10.0 is already installed.

3. Apply Bug 36420089 - OFSAA 8.1.2.0.0 AAI ML Release #5 (8.1.2.5.0) (OFSAAI).
4. Apply Enh 37876070 - Certification of Erwin 14.1.
5. Apply Bug 38008976 - Standard Upgrade of Libraries for Common Usage in OFSAA from V81X -JULY-2025.
6. Apply Bug 37786646 - Consolidated fixes for issues dependent on FCCM release 8.1.2.10 ML.
7. Apply Bug 38370481 - Standard Upgrade of Libraries for Common Usage in OFSAA from V81X - OCT-2025.
8. Apply Bug 38779988 - ECM 8128 - Case Narrative is disappearing for cases in the Relationship tab.
9. See the following additional prerequisites:
  - a. If CRR 8.1.2.x is not installed in the environment, upgrading from any BD 8.1.2.x version (except for BD 8.1.2.8.x) to BD 8.1.2.11.0 requires the BD patch 8.1.2.0.23 (37538920) to be applied before upgrading to BD 8.1.2.11.0.
  - b. If CRR 8.1.2.8.x is not installed in the environment, upgrading from any BD 8.1.2.8.x version to BD 8.1.2.11.0 requires the BD patch 8.1.2.8.1 (37168150) to be applied before upgrading to BD 8.1.2.11.0.
  - c. If CRR 8.1.2.8.x is installed in the environment, then while upgrading from any BD 8.1.2.8.x version to BD 8.1.2.11.0, you must first install the CRR patches 8.1.2.8.1 (37073503) and 8.1.2.8.2 (37079344), followed by the BD patch 8.1.2.8.1 (37168150). These patches are mandatory and must be installed in the specified order before proceeding with the upgrade to BD 8.1.2.11.0.
  - d. If CRR 8.1.2.x is installed in the environment, upgrading from any BD 8.1.2.x version (except for BD 8.1.2.8.0) to BD 8.1.2.11.0 requires the BD patch 8.1.2.0.22 (37515870) to be applied before upgrading to BD 8.1.2.11.0.

## 2.1.1 Pre-Installation Requirements for TBAML

This section describes the pre-installation requirements for OFS Trade-Based Anti Money Laundering (TBAML).

To install TBAML, follow these steps:

1. For the new customers:
  - a. Download and install **DLP: Oracle Financial Services Behaviour Detection Application 8.1.1.0** Download Package Template (DLPT) from Oracle Software Delivery Cloud (OSDC).
  - b. Upgrade to BD 8.1.2.0 from My Oracle Support (MOS).
  - c. Apply BD 8.1.2.11 ML to install TBAML.
2. For existing BD customers who are on the BD 8.1.1.0 or BD 8.1.1.x line and newly purchased TBAML license:
  - a. Upgrade to BD 8120 from MOS.

- b. Apply BD 8.1.2.11 ML to install TBAML.
3. For existing BD customers who are on the BD 8.1.2.0 or BD 8.1.2.x line and newly purchased TBAML license:
  - a. Apply BD 8.1.2.11 ML to install TBAML.

## 2.1.2 PatchConfig.xml

This section lists the Placeholder Values in the PatchConfig.xml File

**Table 2-1 Placeholder Values in the PatchConfig.xml File**

OFS BD Version	OFSAAI Version
##SCHEMA_OUT_XML_PATH##	This attribute refers to the path, which needs to be pointed to <i>OFS_BD_SCHEMA_OUTPUT.xml</i> , which was generated at the time of installation. For example: <code>&lt;BD812_Installer&gt;/OFS_BD_PACK/schema_creator/OFS_BD_SCHEMA_OUTPUT.xml</code> .
##BIG_DATA_ENABLE##	Placeholder to enable Big Data. Enter <i>FALSE</i> .
##SCORING_PROTOCOL_SERVER_PORT##	This is the URL of the RAOR application till the port number. For example, <code>&lt;PROTOCOL://HOSTNAME:WEB_SERVER_PORT&gt;</code> .
#FSDF_UPLOAD_MODEL##	Provide the value mentioned in default.properties during BD 812 installation. Path : <code>&lt;BD812_Installer&gt;/OFS_BD_PACK/OFS_AML/conf/default.properties</code> .
##EXECUTE_PRE_AND_POST_SCRIPTS##	This attribute is used to execute pre and post-scripts during installation. If you provide the following: <ul style="list-style-type: none"> <li>• Value = 1: executes the pre and post-scripts.</li> <li>• Value = 0, skips the pre and post-scripts.</li> </ul> In BD 8.1.2.11, it is mandatory to set the value as 1 to execute pre and post-scripts.

## 2.2 How to Apply This Maintenance Level Release?

This section describes how apply this maintenance release.

To install this Maintenance Level release:

### Note

If the OFS Behavior Detection 8.1.2.11.0 patch is to be installed on OFS Sanctions 8.1.2.0, then follow these steps:

- Create table `KDD_BUS_DMN_SANC` as `(select * from KDD_BUS_DMN); UPDATE KDD_BUS_DMN SET TF_BUS_DMN_NM=NULL;`
- Commit;
- Restore the `TF_BUS_DMN_NM` column in the `KDD_BUS_DMN` table from `NULL` to the original value after the installation is complete.

1. During OFS Behavior Detection 8.1.2.11.0 patch installation, only the FICServer (<FIC\_HOME>/ficapp/common/FICServer/bin/startofsaai.sh) can be up and running. Stop all other OFSAAI application services (MANTAS, ICC, BD algorithms dispatcher, etc.).
2. Load the .profile and ensure that \$FIC\_HOME corresponds to the proper environment where the patch application is required.
3. Download and copy 38402265\_LINUX.zip/38402265\_SOLARIS\_SPARC.zip (in Binary mode) to the server where OFSAA is installed.
4. Navigate to <USER\_PATCH\_DIR> and extract the contents of the patch archive file using the command: `unzip -a <name of the file to be unzipped>`.

For example: `unzip -a 38402265_LINUX.zip/38402265_SOLARIS_SPARC.zip`

#### Note

<USER\_PATCH\_DIR> is the location of the <patch>.zip file. The -a option mentioned above is required to unzip the patch. If you encounter the error message *unzip: not found [No such file or directory]* when the package is not installed, contact your UNIX administrator to resolve the issue.

5. Navigate to <USER\_PATCH\_DIR>/38402265/bin and grant execute (755) permission for all executables: `$ chmod 755*`.
6. Navigate to <USER\_PATCH\_DIR>/38402265/conf/PatchConfig.xml and provide the following placeholder values:
  - a. **##SCHEMA\_OUT\_XML\_PATH##** - this attribute refers to the path which needs to be pointed to OFS\_BD\_SCHEMA\_OUTPUT.xml, which was generated at the time of installation.
  - b. **##BIG\_DATA\_ENABLE##** - set the value to `FALSE`.
  - c. **##SCORING\_PROTOCOL\_SERVER\_PORT##** - provide the server host & port. For example: `hostIP:PortNumber`.
  - d. **##FSDF\_UPLOAD\_MODEL##** - provide the value mentioned in default.properties during BD 812 installation. Path : /<BD812\_Installer>/OFS\_BD\_PACK/OFS\_AML/conf/default.properties.
  - e. **##EXECUTE\_PRE\_AND\_POST\_SCRIPTS##** - attribute value must be set to `1` to execute the prescripts and postscripts. Attribute value `0` skips the prescripts and postscripts.

#### Note

As part of prescripts, back up tables with the naming convention <TABLE\_NAME>\_81210\_BACKUP.

7. Install the patch by executing the command: `$/install.sh`.
8. Check if the patch is applied successfully by verifying the patch install logs under <USER\_PATCH\_DIR>/38402265/logs.

**Note**

Contact [My Oracle Support](#) in case of any errors.

# 3

## Post-Installation Steps

This chapter describes the post-installation steps.

Topics:

- [Mandatory Post-Installation Steps](#)
- [OFS Know Your Customer \(KYC\)](#)
- [OFS Anti-Money Laundering \(AML\)](#)
- [OFS Real Time Fraud \(RTF\)](#)
- [Configuring JIT](#)
- [Configuring Scenario Manager](#)
- [Configuring Watch List Management](#)

### 3.1 Mandatory Post-Installation Steps

This section describes the mandatory post-installation steps.

Perform the following post-installation steps:

1. If the deployment environment is Solaris, follow these mandatory steps to set `gnu bin` directory in the `PATH` environment variable. For example: `export PATH=/usr/gnu/bin:$PATH`.

#### Note

If the `gnu bin` directory is different, replace `/usr/gnu/bin` with the correct directory path.

2. Check the DB builder logs for successful execution of `mantas8.1.2.11.0_delta.cfg` and `delta_plat8.1.2.11.0.cfg`.  
If these did not run, then execute them manually. To do so, navigate to `$FIC_HOME/database/mantas_schema/delta/oracle/8.0` and execute the following command:  

```
$FIC_HOME/database/db_tools/bin/run_dbbuilder_utility.sh $FIC_HOME/database/mantas_schema/delta/oracle/8.0/mantas8.1.2.11.0_delta.cfg
```

  
When prompted, enter the Atomic user name and password. Then, navigate to `$FIC_HOME/database/bus_mkt_schema/delta/oracle/8.0` and execute the following command:  

```
$FIC_HOME/database/db_tools/bin/run_dbbuilder_utility.sh $FIC_HOME/database/bus_mkt_schema/delta/oracle/8.0/delta_plat8.1.2.11.0.cfg
```

  
When prompted, enter the Atomic user name and password.
3. Load BD scenarios in the Database from `$FIC_HOME/Database/db_tools/bin` with the `sm_load.sh` utility. For scenarios that are provided in this patch, see [.Upgrade Scenarios](#)

**Note**

Contact [My Oracle Support](#) in case of any errors.

4. *Optional step:* If you have a TBAML License, load scenarios in the Database from `$FIC_HOME/ Database/db_tools/bin` with the `sm_load.sh` utility. For TBAML-specific scenarios, see [TBAML Scenarios](#).
5. Once the above steps are done, create the following EAR/WAR file and redeploy this new WAR on the Web Application server. Refer to the [Oracle Financial Services Behavior Detection Applications Pack Installation Guide Release 8.1.2.0.0](#) for steps related to deployment.

**Note**

For using Websphere Server, remove all the `jackson*` Jars from the following folder before creating the OFSAAI EAR/WAR file:  
`$FIC_HOME/ficweb/webroot/externalib/WEB-INF/lib`.

6. Restart the OFSAAI services

## 3.2 OFS Know Your Customer (KYC)

This section describes the KYC-related post-installation steps.

If OFS KYC is installed:

1. Import all assessments under `$FIC_HOME/IPE/KYC`.  
For example: `./RTIImport.sh $FIC_HOME/IPE/KYC/  
OFS_KYC_RTIEExport_AcceleratedRereview.xml ##AMINFODOM## OFS_KYC false`
2. If you are executing DI / KYC Daily batch, enter the following values in the **Parameters** option.  
`[MODELID]=PROD,[VERSION]=0,[APP_ID]=OFS_KYC`
3. *Perform this step only if Oracle Financial Services Compliance Studio is installed. Do not import it if Compliance Studio is not installed.* Navigate to `$FIC_HOME/ficapp/common/  
FICServer/bin` and execute the following executable after replacing the `INFODOM` placeholder.  
`./RTIImport.sh $FIC_HOME/IPE/KYC/  
OFS_KYC_RTIEExport_AcceleratedRereview_WithAomalyDetectionML.xml ##AMINFODOM##  
OFS_KYC false`
4. Execute the following utility to synchronize data in SMS tables:
  - a. Go to `$FIC_HOME/utility/AppPckMastSynch/bin`.
  - b. Open putty session and run the following commands one by one:
    - i. `ExportPckName=OFS_BD_PACK`
    - ii. `./AppPckMastSynch.sh`
5. Once the above steps are done, create the following EAR/WAR file and redeploy this new WAR on the web application server. See [Oracle Financial Services Behavior Detection Applications Pack Installation Guide Release 8.1.2.0.0](#) for steps related to deployment.
  - a. `JSONToTablePersistenceUtility`

- b. TabletoJSONService
- c. InitiateOnboardingService
- d. GenerateCaseInputService

**Note**

For using Websphere Server, remove all the jackson\* Jars from the following folder before creating OFSAAI EAR/WAR file:  
\$FIC\_HOME/ficweb/webroot/externalib/WEB-INF/lib

- 6. If RAOR deployment is required, navigate to aFIC\_HOME/raor\_processing and run ./ant.sh and deploy the RAOR war file.
- 7. Execute the following script in BD Atomic Schema and then replace the placeholders.

```
<USER_PATCH_DIR>/<unzipped_folder>/post_scripts/KYC_ECM_Synonyms.sql
```

- 8. Ignore the this step if you are applying patch on top of 8.1.2.8.0 or higher ML patches.
  - a. Replace V\_JRSDCN\_CD ('#JR#') column value in APPLN\_PARAMS table for V\_PARAM\_IDENTIFIER = 'KYC\_SAR\_ACTN\_CTGRY';
  - b. Replace V\_JRSDCN\_CD ('#JR#') column value in APPLN\_REREVIEW\_PARAMS table for N\_RULE\_ID = '1070';

**Note**

Replace the #JR# value with Jurisdiction value

- 9. To configure and deploy the internal watchlist-related Services, follow these steps:
  - a. Create the WAR file by changing to the FIC\_HOME/ingestion\_manager/scripts directory and executing createWatchListWAR.sh. This will create the mantas.war file which contains the watch list service.
  - b. Deploy the mantas.war file to the web application server. Any context path can be used, but the KYC application expects it to be at /mantas. The full path leading to the exploded WAR file will be referred to as <Service Deployed Directory> below.
  - c. Modify the file: <Service Deployed Directory>/WEB-INF/fuzzy\_match/mantas\_cfg/install.cfg and change the path in the fuzzy\_name.B.stopword\_file and fuzzy\_name.P.stopword\_file properties from: <FIC\_HOME>/ingestion\_manager to: <Service Deployed Directory>/WEB-INF.
  - d. Modify the file: <Service Deployed Directory>/WEB-INF/config/install.cfg and change the Creating and Deploying the Applications Pack Web Archive Post Installation Configuration path in the log.message.library, log.categories.file.path, and log4j.config.file properties as specified in step 3.
    - i. For WebLogic, copy the following contents into setDomainEnv.sh located under \$WL\_HOME/user\_projects/domains/<user\_domain>/bin/setDomainEnv.sh after replacing the placeholders - <WATCHLIST\_DEPLOYED\_AREA> and <ORACLE\_HOME>.

```
FIC_HOME=<WATCHLIST_DEPLOYED_AREA> ORACLE_HOME=<ORACLE_HOME>
export FIC_HOME export ORACLE_HOME
```

```
KDD_PRODUCT_HOME=${FIC_HOME}/WEB-INF/fuzzy_match export
KDD_PRODUCT_HOME
JAVA_LIB_HOME=${KDD_PRODUCT_HOME}/lib/kddcore.jar:${KDD_
PRODUCT_HOME}/
lib/log4j-1.2.12.jar
export JAVA_LIB_HOME
LD_LIBRARY_PATH=${KDD_PRODUCT_HOME}/lib:${ORACLE_HOME}/
lib:${LD_LIBRARY_PATH}
export LD_LIBRARY_PATH
```

- ii. For Tomcat, create file *setenv.sh* under `<TOMCAT_INSTALLED_AREA>/bin/` and copy the following contents after replacing the place holders - `<WATCHLIST_DEPLOYED_AREA>` and `<ORACLE_HOME>`.

```
FIC_HOME=<WATCHLIST_DEPLOYED_AREA> ORACLE_HOME=<ORACLE_HOME>
export FIC_HOME export ORACLE_HOME
KDD_PRODUCT_HOME=${FIC_HOME}/WEB-INF/fuzzy_match export
KDD_PRODUCT_HOME
JAVA_LIB_HOME=${KDD_PRODUCT_HOME}/lib/kddcore.jar:${KDD_
PRODUCT_HOME}/
lib/log4j-1.2.12.jar
export JAVA_LIB_HOME
LD_LIBRARY_PATH=${KDD_PRODUCT_HOME}/lib:${ORACLE_HOME}/
lib:${LD_LIBRARY_PATH}
export LD_LIBRARY_PATH
```

- iii. For WebSphere, copy the following contents into *.profile* file (create a *.profile* file if it is not already existing) of the user after replacing the placeholders - `<WATCHLIST_DEPLOYED_AREA>` and `<ORACLE_HOME>`.

```
FIC_HOME=<WATCHLIST_DEPLOYED_AREA> ORACLE_HOME=<ORACLE_HOME>
export FIC_HOME export ORACLE_HOME
KDD_PRODUCT_HOME=${FIC_HOME}/WEB-INF/fuzzy_match export
KDD_PRODUCT_HOME
JAVA_LIB_HOME=${KDD_PRODUCT_HOME}/lib/kddcore.jar:${KDD_
PRODUCT_HOME}/
lib/log4j-1.2.12.jar
export JAVA_LIB_HOME
LD_LIBRARY_PATH=${KDD_PRODUCT_HOME}/lib:${ORACLE_HOME}/
lib:${LD_LIBRARY_PATH}
export LD_LIBRARY_PATH
```

- e. Restart the web application server.

**Note**

Update the proper LD\_LIBRARY\_PATH based on your OS:

- For Linux:

```
export LD_LIBRARY_PATH=$KDD_PRODUCT_HOME
```

- For Solaris SPARC:

```
export LD_LIBRARY_PATH=/usr/lib/
lwp:$KDD_PRODUCT_HOME/lib:$ORACLE_HOME/
lib:/usr/ucblib/sparcv9:/scratch/JAVA_7/
jdk1.7.0_75/jre/lib/sparcv9/server:/
scratch/JAVA_7/jdk1.7.0_75/jre/lib/
sparcv9:/scratch/JAVA_7/jdk1.7.0_75/jre/
lib/sparcv9/native_threads:/usr/local/lib/
sparcv9:/scratch/JAVA_7/jdk1.7.0_75/jre/
lib:$LD_LIBRARY_PATH
```

## 3.3 OFS Anti-Money Laundering (AML)

This section describes the AML-related post-installation steps.

If OFS AML is installed:

1. Delete the list of class files inside the `$FIC_HOME/bdf/classes` directory.
2. Steps to execute DQ scripts in different FSDF INFODOMs are as follow:
  - a. Navigate to `FIC_HOME/database/db_tools/bin` path and execute the file `Replace_FSDF_Placeholder.sh` with FSDF infodom and FSDF segments as arguments. For example: `./Replace_FSDF_Placeholder.sh FSDFINFODOM FSDFSEGMENT`.
  - b. Copy `$FIC_HOME/database/DQScripts` to a local folder.
  - c. Log in to FSDF schema and Run the following command in SQL developer.
    - `define dir="DQFiles_PATH"`  
DQFiles\_PATH - The directory path DQ files were copied in step above.  
For example: `define dir="C:\DQScripts"`.
    - Execute `Execution_Order_DQ.sql`  
For example: `@&dir\Execution_Order_DQ.sql`.
3. Execute the below SQL script in BD atomic schema if BD and FSDF are in the same Infodom. If FSDF is in a different Infodom, execute the below SQL script in FSDF atomic schema:
 

```
ALTER TABLE STG_RETIREMENT_ACCOUNTS_TXNS MODIFY D_POSTING_TIME TIMESTAMP WITH
TIME ZONE
/

ALTER TABLE STG_ANNUITY_TXNS MODIFY D_POSTING_TIME TIMESTAMP WITH TIME ZONE
/
```

## 3.4 OFS Real Time Fraud (RTF)

This section describes the RTF-related post-installation steps.

If OFS RTF is installed:

1. Redeploy the war files - RTFWIRE.ear and RTFCARD.ear. Do not deploy RTFRAUD.war.

### Note

RTF CARD and WIRE are not supported on Tomcat in OFS BD 8.1.2.11 ML.

2. Execute steps *a* and *b* only if migration is not done as part of 8124 patch.
  - a. Follow these steps to migrate existing Fraud data to the new UI. This step must be performed only once. During reinstallation, skip this step.
    - i. Execute the command from SYS DB: GRANT CREATE JOB TO \$ATOMIC\_SCHEMA.
    - ii. In Real Time Fraud PMF Migration.sql [Real Time Fraud PMF Migration.sql](#), replace all \$ATOMIC\_SCHEMA with current atomic schema name.

### Note

- The atomic schema name is case sensitive and must be in Capital letters.
- During upgrade from OFS BD 8123, remove the following from the Migration.sql file. This must be performed only when upgrading directly from OFS BD 812.

```
CREATE TABLE FCC_FR_RULE_ID_MAP ( "N_OLD_RULE_ID" NUMBER(28,0)
DEFAULT NULL,
"V_TRXN_TYPE" VARCHAR2(50) DEFAULT NULL,
"N_NEW_RULE_ID" NUMBER(28,0) DEFAULT NULL NOT NULL ENABLE
)
/
```

- b. If Oracle Financial Services Real Time Fraud (RTF) CARD or WIRE version <= 8.1.2.3 is installed, follow these steps for PMF migration.

### Note

Before installation close all pending alerts in the system. Before running the PMF migration steps, do not click on any old alerts from the UI post installation.

From OFS RTF 8.1.2.4, Jurisdiction and Business Domain are mandatory fields. In the migration script, update the first query for WIRE\_MIG\_TASK in post installation section under *--WIRE FCC\_FR\_ALERTS* with the correct jurisdiction and business domain code for the old alerts. Provide the values with double single quotes ("").

For example: For giving value of 'a' for business domain and 'AMEA' for jurisdiction (values must be from *BUS\_DMN\_CD* in *KDD\_BUS\_DMN* and *JRSDCN\_CD* in *KDD\_JRSDCN* tables respectively).

```
l_sql_stmt := ' INSERT INTO FCC_FR_ALERTS ( N_ALERT_ID, T_ACTION_TAKEN,
V_STATUS, JRSDCN_CD, BUS_DOMAIN_CD, V_ASSIGNEE, RUNTIMESTAMP, V_ACTION,
V_DECISION_CD, V_TRANS_TYPE ) SELECT FCC_FR_ALERT_ID_MAP.N_NEW_ALERT_ID,
T_ACTION_TAKEN, FCC_FR_TRANSACTIONS_8124_BACKUP.V_STATUS, ''AMEA'', ''a'',
V_ASSIGNEE, RUNTIMESTAMP, V_ACTION, CASE WHEN T_ACTION_TAKEN IS NULL THEN
NULL ELSE V_ACTION END, ''WIRE'' FROM FCC_FR_TRANSACTIONS_8124_BACKUP
INNER JOIN FCC_FR_ALERT_ID_MAP ON FCC_FR_ALERT_ID_MAP.N_TRANSACTIONSEQID =
FCC_FR_TRANSACTIONS_8124_BACKUP.N_TRANSACTIONSEQID WHERE
FCC_FR_TRANSACTIONS_8124_BACKUP.ROWID BETWEEN :start_id AND :end_id AND
FCC_FR_ALERT_ID_MAP.V_TRXN_TYPE=''WIRE''';
```

### PMF Migration

- Execute in ATOMIC SCHEMA. Replace \$CONFIG\_SCHEMA with Config Schema name.  
GRANT SELECT, UPDATE on FCC\_FR\_ALERT\_ID\_MAP to \$CONFIG\_SCHEMA  
  
/
- Execute in CONFIG SCHEMA. Replace \$ATOMIC\_SCHEMA with Atomic Schema name.  
CREATE OR REPLACE SYNONYM ALERT\_ID\_MAP  
FOR \$ATOMIC\_SCHEMA.FCC\_FR\_ALERT\_ID\_MAP  
  
/
- Ensure that PMF matches value before update.  
For example: If L1 PMF had OFS ECM enabled for CARD for OFS BD version < 8124, enable it. Then restart FICServer and App server before calling the command.
- Execute the updated Real Time Fraud PMF Migration.sql in the atomic schema.
- The PMF POST request is a long running process (~1100-1200 alerts/min at 10 threads, 10,000 step size). When the total number of records is very large, performing the migration in one go can be avoided by updating V\_STATUS in FCC\_FR\_ALERT\_ID\_MAP to 'SKIP' for records that are not to be processed at the time. Change this back to NULL before resuming.
- Migration POST request:

Address: hostname:port/\$BDCONTEXT/rest-api/FRAUDREST/  
RealTimeFraudPMFMigration

Request body for Card:

```
{ "transactionType": "CARD", (Required) "Threads": 10, (Optional param,
default value 10 if not provided) "Stepsize": 10000 (Optional param,
default value 10000 if not provided) }
```

Request body for Wire:

```
{ "transactionType": "WIRE", (Required) "Threads": 10, (Optional param,
default value 10 if not provided) "Stepsize": 10000 (Optional param,
default value 10000 if not provided) }
```

**Note**

Generally, increasing parallelization does not increase throughput as bottleneck is in the PMF API which is serialized. So, default values are preferred. The number of threads does not increase unless a high config box (The API was tested with 8 CPU LINUX KVM (64 total)) is used. If thread size is increased, make sure to increase the number of connections for FICMASTER in WebLogic console. This must at minimum be 5 more than the number of threads. Stepsize must be 500-1000x the number of threads.

- Status of migration can be monitored using logs or by manually checking the tables in DB.
  - For alerts which have migrated successfully/error/no update for card:  
`SELECT COUNT(*) FROM FCC_FR_ALERT_ID_MAP WHERE V_STATUS IS NOT NULL AND V_TRXN_TYPE = 'CARD'`
  - For alerts which are yet to migrate and are being processed for card:  
`SELECT COUNT(*) FROM FCC_FR_ALERT_ID_MAP WHERE V_STATUS IS NULL AND V_TRXN_TYPE = 'CARD'`
  - For alerts which have migrated successfully/error/no update for wire:
  - `SELECT COUNT(*) FROM FCC_FR_ALERT_ID_MAP WHERE V_STATUS IS NOT NULL AND V_TRXN_TYPE = 'WIRE'`
  - For alerts which are yet to migrate and are being processed for card:  
`SELECT COUNT(*) FROM FCC_FR_ALERT_ID_MAP WHERE V_STATUS IS NULL AND V_TRXN_TYPE = 'WIRE'`

## 3.5 Configuring JIT

This section describes how to configure JIT.

The purpose of JIT is to manage users from LDAP/SSO. JIT is a one-way sync from LDAP/SSO source to the application. Hence all application users must be synced through JIT.

To configure JIT:

1. Log in as SYSADMN and make the changes to the System Configuration Details:
  - a. Select **Authentication Type** as **LDAP Authentication and SMS Authorization**.
  - b. Click **Add** and provide your LDAP Server Details and click **Save**.
  - c. Check the JIT Provisioning Enabled option.
2. If a new user is added to a group or existing user is removed from a group, in the next login, remapping of the security attributes will be done only if `JIT_IS_SYNC_GRP_ENABLED` is set to Y. Execute the following statement to enable JIT sync.
 

```
UPDATE CONFIGURATION set paramvalue = 'Y' where
paramname='JIT_IS_SYNC_GRP_ENABLED';

COMMIT;
```
3. In the Authentication Server (for example, SAML, LDAP etc.), Application User Groups and User Mappings must be created.

4. In the Atomic Schema a new table *FCC\_GROUP\_SEC\_ATTR\_MAP* is introduced to configure the Security attributes mapping to the Application User Groups. Login to Atomic Schema and configure security attributes to the User groups.
  - a. *V\_GROUP\_CD* column must be populated with the User groups mapped to User.
  - b. For OFSBD, valid values for *V\_SEC\_ATTR\_CD* column are JRSDCN, ORG, BUSDMN, CORR\_ID, SCNRO\_GRP\_ID.
  - c. For OFSBD, valid values for *V\_SEC\_ATTR\_VAL* column are Jurisdiction, Organization, Business domain, Correlation and Scenario Group. These are available in *KDD\_JRSDCN*, *KDD\_ORG*, *KDD\_BUS\_DMN*, *KDD\_CORR\_RULE* and *KDD\_SCNRO* table respectively.
5. For Configuring Security Mapping for the Pool Users, *FCC\_GROUP\_SEC\_ATTR\_MAP* table in Atomic Schema has been used.
  - a. *V\_GROUP\_CD* column must be populated with the LORG group created.
  - b. For OFS BD, valid values for *V\_SEC\_ATTR\_CD* column are JRSDCN, ORG, BUSDMN, CORR\_ID, SCNRO\_GRP\_ID.
  - c. For OFS BD, valid values for *V\_SEC\_ATTR\_VAL* column are Jurisdiction, Organization, Business domain, Correlation and Scenario Group. These are available in *KDD\_JRSDCN*, *KDD\_ORG*, *KDD\_BUS\_DMN*, *KDD\_CORR\_RULE* and *KDD\_SCNRO* table respectively.
6. Additional User Attributes:
  - a. Alert Own Flag: Create *ALERTOWNFLUG* group in Authentication Server and map to the User. If Alert Own Flag for a User needs to be Y, then map this group to the User. If Alert Own Flag for a User needs to be N, then make sure it is not mapped to the User.
  - b. Reporting/Line Organization: Create a User group with Prefix as *ORG\_CD* (from *KDD\_ORG* table) and suffix as *LORG*. For example: If *TestOrgA* is the Line organization then create a User group as *TESTORGALORG*.

**Note**

The above User group is to be created and mapped to Infodom/Segment and *LINEORG* role in the OFSAA Application. It also needs to be created in Authentication Server (For example, SAML, LDAP etc.) and mapped to the User. Make sure for any User only one *LORG* group is mapped. If the *LORG* group is mapped as part of any other Application, then there is no need to map again.

7. Log in with the New User in the Application and observe that the Security attributes mapping is done.
8. If User group mapping does not have any change and there are only Security attribute mapping changes to be done, then log in as Admin user and navigate to Batch Maintenance and create a Batch. For OFSBD, add the BD task *FN\_FCC\_JIT\_SYNCH* to it.
9. To disable a user/users disabled on Authentication Server, login with Admin user and navigate to Batch Maintenance and create a Batch.
  - a. For OFSBD, add the BD task *FN\_FCC\_DISABLE\_USR* to it.
  - b. Edit the Task, mention the User or User IDs comma separated in the Parameter section. It must be enclosed in Single Quotes.

For example: 'AMSUP,KYCADMN' where AMSUP,KYCADMN are users that need to be disabled in the *KDD\_REVIEW\_OWNER* table.

## 3.6 Configuring Scenario Manager

This section describes how to configure the Scenario Manager.

For details on configuring the Scenario Manager, see [Oracle Financial Services Behavior Detection Installation Guide Release 8.1.2.0.0](#).

## 3.7 Configuring Watch List Management

This section describes configuring Watch Lists.

The table *KDD\_PRCNG\_BATCH\_JRSDCN\_MAP* has two columns *PRCSNG\_BATCH\_NM* and *JRSDCN\_CD*. This contains mapping between the columns for use by the Watch List Management UI. Ensure that the relevant data is available in this table.

For Example:

```
INSERT INTO KDD_PRCNG_BATCH_JRSDCN_MAP (PRCSNG_BATCH_NM, JRSDCN_CD)
VALUES ('FR', 'EMEA');
INSERT INTO KDD_PRCNG_BATCH_JRSDCN_MAP (PRCSNG_BATCH_NM, JRSDCN_CD)
VALUES ('SG', 'APAC');
COMMIT;
```

# 4

## Deploying FCCM Analytic Reports

This section describes how to deploy Analytics on Oracle Business Intelligence Enterprise Edition (ORACLE ANALYTIC SERVER (OAS) version 25.0) and integrate FCCM Analytic Reports in the OFSBD UI.

### Installing OAS Version 25.0

To install the ORACLE ANALYTIC SERVER (OAS) version 25.0:

1. Download the software from [ORACLE ANALYTIC SERVER \(OAS\) 25.0 server](#).
2. After installation, get the Enterprise Manager URL, User name, Password, and ORACLE ANALYTIC SERVER (OAS) version 25.0 installed directory from your System Administrator.

### Installing OAS Version 25.0 Windows Administration Client

Download and install [OAS Client](#) tool for 25.0.

### Disabling Cache Feature in OAS Version 25.0

This section describes how to disable the Cache feature in the Oracle Analytic Server (OAS) version

- To disable the Cache feature:
  1. Login to the Enterprise Manager.
  2. Click the **Target Navigation** icon.
  3. Expand the **Business Intelligence** section and then click **bi instance**.
  4. Click the **Configuration** tab.
  5. Click the **Lock** icon and then click **Lock & Edit** to enable the **Cache Enabled** check-box.
  6. Under the **Performance** tab, in the **Enable Bi Server Cache** section, reselect the **Cache Enabled** check-box and make the required changes.
  7. Click the **Lock** icon and then click **Release Configuration** to save the changes made.

### Change Default Repository Password

Copy the `FCCM81210.rpd` from `$FIC_HOME/ORACLE ANALYTIC SERVER (OAS)25.0/Repository` to the Windows machine where the Oracle Analytic Server (OAS) 25.0 Windows Administration Client is installed.

To change the default password for the repository:

1. Open the Repository using the OAS Windows Administration client from Windows machine.
2. From the **File** menu, select **Open**, and click **Off line**.
3. Browse to the Repository on Windows machine.  
The **Oracle BI Administration Tool - FCCM81210.rpd** window is displayed.

4. Enter default Repository password: **FCCM\$81210**.  
To change the default password:
  - a. From the **File** menu, choose **Change Password**.
  - b. Enter the new password and click **OK**.

### Configuring OAS Version 25.0 Connection Pool

This section describes how to configure the Oracle Analytic Server (OAS) version 25.0 Connection Pool.

To configure the Connection Pool of the repository:

1. Open the same Repository (as in the previous step) on the Windows machine. The **Oracle BI Administration Tool - FCCM81210.rpd** window is displayed.
2. Expand the **FCCM** folder in the **Physical** section.
3. Double-click **Connection Pool** to open the **Connection Pool Properties** window.
4. Enter the following in the **Data Source Name** text box of the **Connection Pool Properties** window after modifying <Database Server Host Name> and <Database Name>
 

```
Data Source Name = (DESCRIPTION=(ADDRESS=(PROTOCOL=TCP)(HOST=<Database Server HostName>)(PORT=1521))(CONNECT_DATA=(SERVER=DEDICATED)(SERVICE_NAME=<DatabaseName>)))
```
5. Enter the Atomic Schema **user name** and **password** in respective fields.
6. Click **OK**.
7. Expand the folder.
8. Right-click on any one table name and select **View Data**.
9. Perform similar changes in the **Connection Pools** for all remaining folders in the **Physical Layer** by providing the following schema details for all Connection Pools:
  - a. KYC Analytics > Atomic Schema

#### Note

Both the initial block and the connection pool must point to the Atomic Schema.

- b. UIC\_73 > CaseMng Connection Pool > Atomic Schema
  - c. TA > Atomic Schema
  - d. CTRBI > Atomic Schema
  - e. ORCL > Atomic Schema
  - f. FCCM > Atomic Schema
10. From the **File** menu, select **Save**.  
A confirmation message is displayed.
11. Click **Yes**.  
The message: *Consistency check didn't find any errors, warning or best practices violations.* is displayed.
12. Click **OK**.

## Deploying OFS FCCM Report Analytics

To deploy Reports Analytics:

1. Login to System Settings using the URL:  
`http://<oas server name>:<oas analytics port number>/analytics/systemsettings/`  
 Example link for reference: `http://testserver:9502/analytics/systemsettings/`
2. Search for Evaluate in the search box.
3. Select Level 2 from the Evaluate Support Level drop-down.
4. Search for HTML in the search box.
5. Enable Allow Malcontent.
6. Click Restart.
7. Update the `instanceconfig.xml` file present in `<Oracle Analytic Server (OAS) 25.0_home>/ user_projects/domains/bi/config/fmwconfig/biconfig/OBIPS` location as detailed here.
8. Replace the following script:

```
<Security>
This Configuration setting is managed by Oracle Enterprise Manager Fusion
Middleware Control-->
<ClientSessionExpireMinutes>210</ClientSessionExpireMinutes>
</Security>
```

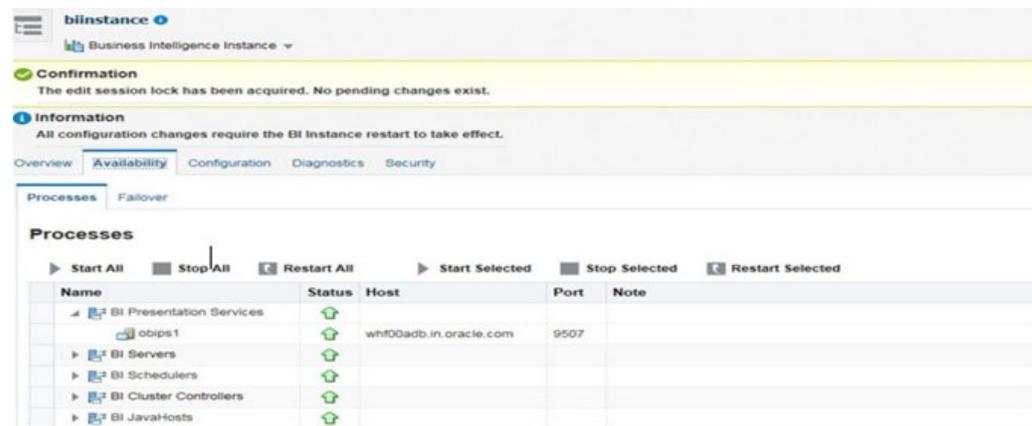
With the following:

```
<Security>
<!--This Configuration setting is managed by Oracle Enterprise Manager
Fusion
Middleware Control-->
<ClientSessionExpireMinutes>210</ClientSessionExpireMinutes>
<InIFrameRenderingMode>allow</InIFrameRenderingMode>
</Security>
```

9. Deploy *BAR(CATALOG)*.
  - a. Navigate to `$FIC_HOME/OBIEE/catalog`.
  - b. Copy `FCCM_ANALYTICS81210.bar` to the working location of OAS server.
  - c. Copy `FCCM81210.rpd` into the working location of OAS server.
  - d. Go to: `<OAS 25.0 Home directory>/Oracle_Home/user_projects/domains/bi/bitools/bin`.
  - e. Execute the command: `./importarchive.sh ssi <working location>/FCCM_ANALYTICS81210.bar. encryptionpassword='<FCCMAnalytics$81210>'`
10. Deploy `FCCM81210.rpd`.
  - a. Navigate to the working directory and execute the following script:  
`<Oracle Analytic Server (OAS) 25.0_home>/user_projects/domains/bi/bitools/bin/datamodel.sh uploadrpd -I FCCM81210.rpd -SI ssi -U <user> -P <password>`

- b. Restart the Oracle Analytic Server (OAS) 25.0 from Enterprise Manager by following these steps:
  - i. Click the **Target Navigation** icon.
  - ii. Expand the **Business Intelligence** section and then click bi instance.
  - iii. Click the **Availability** tab.
  - iv. Click **Stop All**.
  - v. Click **Start All**.

**Figure 4-1 Restarting Oracle Analytic Server (OAS) 25.0**



### Configuring TreeMap Graph

To configure the TreeMap Graph:

1. Log into Oracle Analytic Server (OAS)25.0.
2. Navigate to ORACLE ANALYTIC SERVER (OAS) 25.0 Home.

#### **Note**

ORACLE ANALYTIC SERVER (OAS) 25.0 Home is the ORACLE ANALYTIC SERVER (OAS) 25.0 installed path.

3. Execute the command:

```
cd <Oracle Analytic Server (OAS)25.0_home>
```

4. Execute the command to find the available treemap-canvas.js:

```
find -name treemap-canvas.js
```

Four different files (all named treemap-canvas.js) are displayed.

5. Take back-up of these files.

6. Edit `window.top.console` to `console` in these four files and save.

### Disabling Single Sign On

To disable Single Sign On:

1. Execute the following command:

```
<Oracle Analytics Server 25.0_Home>/commemoration/common/bin/wlst.sh  
disableBISingleSignOn('<Oracle Analytics Server 25.0_Home>/ user_projects/  
domains/bi')
```

2. Update the `instanceconfig.xml` file available in `<Oracle Analytics Server 25.0_Home>/user_ projects/domains/bi/config/fmwconfig/biconfig/OBIPS` location as:

Add or replace the following script inside `<ServerInstance>` `</ServerInstance>`

For example:

```
<ServerInstance>  
<Security>  
<ClientSessionExpireMinutes>210</ClientSessionExpireMinutes>  
<InIFrameRenderingMode>allow</InIFrameRenderingMode>  
</Security>  
</ServerInstance>
```

#### Note

While accessing the Statement View report, ensure that the protocol is the same as the one used in OAS.

### Enabling Table Authentication in OAS Version 25.0

To enable the Table Authentication feature:

1. Navigate to `<DOMAIN_HOME(OAS Server Domainhome)>/config/fmwconfig/ biconfig/ OBIPS/incubation.properties` (if this file does not exist, create it).
2. Add/update the `incubation.properties` file with the following line:

```
oracle.bips.auth.nextGenAuth=false
```

3. Restart the OBIPS process(es).  
For example:

- `<DOMAIN_HOME>/bitools/bin/stop.sh -iobips1`
- `<DOMAIN_HOME>/bitools/bin/start.sh -iobips1`

### Viewing KYC Reports as an Investigation User

To view KYC reports as an Investigation User:

1. Log into Application as `sysadmin`.
2. Navigate to **Function-Role Map**.
3. For `KYCINGATOR` role, map the function Reports.

For more information Function-Role Mapping see the *Function - Role Map* section in [Oracle Financial Services Analytical Applications Infrastructure User Guide](#).

# 5

## Performance Tuning of Scenarios

This section describes the Performance Tuning of Scenarios.

Customers can enable Performance Tuning of Scenarios using custom hints in the Customer's environment depending on Customer data volume. Currently this feature is offered for the following seven scenarios:

- 114000122-(ML/AC) Terrorist Financing
- 114000123-(ML/EN) Terrorist Financing
- 115200003-(ML/AC) Large Depreciation of Account Value
- 115400007-(ML/EN) Large Reportable Transactions
- 114000078-(ML/CU) Patterns of Funds Transfers Between Customers and External Entities
- 114000082-(ML/EN) Patterns of Recurring Originators/Beneficiaries in FundsTransfers
- 116000079-(ML/CU) Rapid Movement of Funds - All Activity
- 118860005 - (ML/CU) Hub and Spoke
- 118860014 - (ML/EN) Hub and Spoke

To configure this feature:

1. Run the scenario job with TRACE ON.
2. Read the log of job and identify SQL that took more time and needs to be tuned. It could be Primary Rule's SQL or SQL from any Sub-Rule.
3. This SQL will be having QB\_NAME keywords with names in used subqueries. For example: Take scenario ML-RapidMvmtFundsAllActivity.116000079.xml for analyzing. Assume this Primary Rule's dataset takes time to execute.

```
<COLUMN NAME="DATASET_ID" TYPE="NUMBER" PK="YES" NULL="NO">114012498</COLUMN>  
<COLUMN NAME="DATASET_NM" TYPE="CHAR" PK="NO" NULL="NO">ML_RapidMvmtFundsAll_CU_Pri_Remml</COLUMN>
```

And Sub Rules dataset takes time to execute:

```
<COLUMN NAME="DATASET_ID" TYPE="NUMBER" PK="YES" NULL="NO">114012544</COLUMN>  
<COLUMN NAME="DATASET_NM" TYPE="CHAR" PK="NO" NULL="NO">ML_RapidMvmtFundsAll_CU_Wilml</COLUMN>
```

In SQL, the following subqueries are named by QB\_NAME.

For example:

- a. Primary Rule SQL blocks are as the following:

wires as

```
(
select /*+ QB_NAME(WIRE) */ w.FO_TRXN_SEQ_ID, w.BENEF_ACCT_ID,
w.SCND_BENEF_ACCT_ID, w.ORIG_ACCT_ID ...
from @MINER@.WIRE_TRXN w
...
---
```

mitrxn as

```
(
select /*+ QB_NAME(MI) */ m.FO_TRXN_SEQ_ID, m.BENEF_ACCT_ID,
m.SCND_BENEF_ACCT_ID, m.REM_ACCT_ID ...
from @MINER@.MI_TRXN m
...
---
```

Cust\_Accounts as

```
(SELECT /*+ QB_NAME(ACCT) */ c.CUST_SEQ_ID,
ac.PRMRY_CUST_INTRL_ID as CUST_INTRL_ID, ac.ACCT_INTRL_ID,
c.CUST_EFCTV_RISK_NB, ac.ACCT_OPEN_DT FROM
@MINER@.ACCT ac, @MINER@.CUST c
...
---
```

- b. Sub Rule SQL blocks are as the following:

```
SELECT /*+ QB_NAME(WIRE_ORG) */
c.CUST_INTRL_ID as CUST_INTRL_ID,
w.FO_TRXN_SEQ_ID
FROM
@MINER@.WIRE_TRXN w,
@MINER@.ACCT ac,
@MINER@.CUST c
...
---
```

```
SELECT /*+ QB_NAME(WIRE_BEN) */
c.CUST_INTRL_ID as CUST_INTRL_ID,
w.FO_TRXN_SEQ_ID
FROM
@MINER@.WIRE_TRXN w,
@MINER@.ACCT ac,
@MINER@.CUST_ACCT ca,
@MINER@.CUST c,
@MINER@.CUST_ACCT_ROLE car
...
---
```

These names allow us to set the hints for used tables by parameter in *KDD\_INSTALL\_PARAM*. For example:

- Based on analysis of Explain plan of the tuned SQL, some hints can significantly improve the performance.
- Say it was concluded after due analysis that hint PARALLEL for ACCT table and FULL hint for WIRE\_TRXN should be used in both Primary and Sub-Rule SQL.
- Insert parameter which will add needed hints to code of the dataset.
- The names of subqueries where hints need to be added are /\*+ QB\_NAME(ACCT) \*/ and /\*+ QB\_NAME(WIRE) \*/ for primary and /\*+ QB\_NAME(WIRE\_ORG) \*/ and /\*+ QB\_NAME(WIRE\_BEN) \*/ for Sub-Rule.

Add following parameter to *KDD\_INSTALL\_PARAM*.

For example: Sample insert query to insert values in *KDD\_INSTALL\_PARAM*.

```
Insert into KDD_INSTALL_PARAM (PARAM_ID, PARAM_NM,ATTR_1_CD,
ATTR_1_VALUE_TX,ATTR_2_CD, ATTR_2_VALUE_TX)values (449, 'DLY',
'rule_matcher.primaryrule.hint.116000079', '/*+ PARALLEL(@ACCT, ac)
FULL(@WIRE, w) */ ', 'rule_matcher.subrule.hint.116000079', '/*+
PARALLEL(@WIRE_ORG, ac) FULL(@WIRE_BEN, w) */);
commit;
```

#### Note

The above used hints are for illustrative purpose only.

4. When these jobs are run again, these hints will be added to scenario SQL. This can be checked in scenario log.

#### Note

Continue this tuning process till the desired result is achieved.

# 6

## JAVA Upgrade

This section describes the Java upgrade.

### Note

- From BD 8.1.1.1.0 onwards, JAVA11 is supported with the following web servers:
  - Weblogic 14.1.x.x
  - Apache Tomcat 9.0.xx
- Existing web servers must be re-configured/re-installed with JAVA11.

### Configuring Existing JAVA8 Environments

To upgrade from JAVA8 to JAVA11:

1. Install the JAVA11 in the server.
2. Use the following command to list the files and note the file names:

```
grep -r -l '/scratch/jdk1.8.0_161'
```

(Change the JAVA path accordingly).

### Note

The above command must be executed in the *\$FICHOME*.

3. Modify the listed files from JAVA8 to JAVA11.
4. Use the following command to change from JAVA8 to JAVA11.

```
grep -r -l 'OLDPATH/jdk1.8.0_161' . | sed "s|^|\"|g" | sed "s|$|\"|g" |  
xargs sed -i "s|OLDPATH/jdk1.8.0_161|NEWPATH/jdk-11.0.11|g"
```

(Change the JAVA path accordingly)

5. Update the JAVA8 path with JAVA11 in the *.profile*.
6. Re-create and re-deploy the OFSAA EAR/WAR file and Restart the OFSAA App Server and Web Server.

### Configuring New JAVA11 Environments

To create new environment with JAVA11:

1. Configure and complete the installation of BD 8.1.2.0.0 with JAVA11.

**Note**

Do not bring up the environment until BD 8.1.2.11 is applied and configured.

2. Follow the steps described in [Pre-Installation Steps & How to Apply This Maintenance Level Release?](#) for applying BD 8.1.2.11.

# A.1 Files Packed in This Patch

This chapter describes the files modified and files impacting database due to this Patch. It also provides additional information that supports the installation activity.

Topics:

- [Files Modified Due to This Patch](#)
- [Files Impacting Database](#)
- [Files Impacted by This Patch](#)

## A.1.1 Files Modified Due to This Patch

The following files are modified due to this Patch:

```
CTR.jar
ojctrSolution.js
kycSolution.js
aai-ctr.js
aai-ctr.html
downloadMessageXml.sh
DownloadAckFromSDTM.sh
TransferEfileToSDTM.sh
OBIEEReports.jsp
ML-AnomATMBCForeignTrans.116000054.xml
ML-AnticipateProfileIncome.116000090.xml
ML-HRTransHRGeography.115000049.xml
ML-RapidMvmtFundsAllActivity.116000080.xml
ML-StructuringAvoidReportThreshold.116000063.xml
ML-CashTransPossibleCTR.116000073.xml
ML-LargeReportableTrans.115400007.xml
ML-StructuringDepWDMixedMIs.118860016.xml
ML-HubAndSpoke.118860014.xml
ML-HubAndSpoke.118860005.xml
ML-FTNCuEnExternal.114000078.xml
ML-FTNRecurringOrBe.114000082.xml
ML-LgDeprecAcctValue.115200003.xml
ML-RapidMvmtFundsAllActivity.116000079.xml
ML-TerroristFinancing.114000122.xml
ML-TerroristFinancing.114000123.xml
ML-AnomATMBCForeignTrans.116000055.xml
ML-HRTransFocalHRE.114000060.xml
ML-CIBPreviousAverageActivity.116000083.xml
ML-CIBPreviousAverageActivity.118860023.xml
ML-CIBPreviousPeakActivity.118860024.xml
ML-DepWDSameAmts.118860020.xml
ML-EarlyPOCreditProducts.115400010.xml
ML-EarlyPOCreditProducts.115400011.xml
ML-HRTransHRGeography.118860022.xml
ML-RoutingMultiLocations.118860012.xml
ML-DPGTotalActivity.114697019.xml
ML-AnticipateProfileSOF.116000059.xml
ML-EnWithMultId-fEN.115000004.xml
```

ML-HRTransFocalHRE.114000073.xml  
ML-RoundAmounts.114590030.xml  
ML-StoredValueCards.114000125.xml  
ML-StoredValueCards.114000126.xml  
ML-StructuringAvoidReportThreshold.116000062.xml  
ML-CIBPreviousAverageActivity.116000084.xml  
ML-DPGTotalActivity.115690004.xml  
ML-PolicieswithRefunds-dNSR.114690107.xml  
ML-StructuringAvoidReportThreshold.118860028.xml  
ML-StructuringAvoidReportThreshold.118860029.xml  
AdminToolsHTMLComponentModel.xml  
ML-CashTransPossibleCTR.116000037.xml  
ML-EarlyRemoval-dNSR.114690106.xml  
ML-AnticipateProfileExpectedActivity.116000107.xml  
ML-StructuringAvoidReportThreshold.118860030.xml  
ML-AnomATMBCStructuredCash.116000056.xml  
ML-CIBHRGActivity.116000087.xml  
ML-ChkMIRecurringReBeKnown.116000074.xml  
ML-ExtMatchedNames.114590002.xml  
ML-ExtMatchedNames.114590003.xml  
ML-LargeReportableTrans.116000060.xml  
TBML-AnticipatoryProfileExpectedGoodServices.118880002.xml  
TBML-ChginCommPrice.118860008.xml  
TBML-CIBCommodityShift.118860006.xml  
TBML-CIBHighRiskCountryShift.118860011.xml  
TBML-CIBRegionShift.118860007.xml  
TBML-DPGCommodityPrice.118860009.xml  
TBML-HighRiskGeographyParties.118860003.xml  
TBML-InconsistentShipping.118860010.xml  
TBML-SignfNumOfAmndmnts.118860002.xml  
ML-PotStructuringCashAndEquiv.118860031.xml  
ML-TerroristFinancing.118860004.xml  
ML-AnomATMBCExcessiveWD.116000065.xml  
ML-ChkMISequentialNumber.118860034.xml  
ML-ChkMISequentialNumber.118860035.xml  
ML-HRTransHRCounterParty.114000083.xml  
ML-NetworksOfAcEn.114697025.xml  
ML-AnomATMBCStructuredCash.116000057.xml  
IML-MvmtFundsWoTrade-dINST.114000020.xml  
Common\_KeysByTableName.xml  
ML-EnWithMultAd-fEN.115000005.xml  
ML-HRTransHRGeography.115000052.xml  
IML-DataManipulation-dINST.114000059.xml  
IML-ICIBInactiveToActive-dINST.116100001.xml

### Note

Take a backup of the files mentioned above as a precautionary measure; any customizations performed to these files must be re-applied.

## A.1.2 Files Impacting Database

This section lists the files impacting the database.

The following files impact the database:

FCC\_UI\_MODULE\_CONF.sql  
PR\_8.1.2.1.0\_34012573.miner.sql  
PR\_8.1.2.3.30\_36008428.business  
CR\_8.1.2.7.0\_35363987.miner.sql  
FCC\_UI\_MODULE\_CONF\_8121ML.sql  
BD\_FSDM.xml  
P\_FCC\_JIT\_SEC\_MAP.sql  
P\_JIT\_SYNCH\_ADHOC\_BATCH.sql  
P\_JIT\_USER\_DISABLE.sql  
FN\_JIT\_SYNCH\_ADHOC\_BATCH.sql  
FN\_JIT\_USER\_DISABLE.sql  
PLC\_FN\_JIT\_SYNCH\_ADHOC\_BATCH.sql  
PLC\_FN\_JIT\_USER\_DISABLE.sql  
34332109\_MESSAGES\_EN\_US.sql  
34332109\_FCC\_UI\_MODULE\_CONF  
PKG\_KYC\_ACTIONS.sql  
PKG\_KYC\_ACTIONS\_BODY.sql  
PKG\_PTC\_MANUAL\_OKYC\_BODY.sql  
PKG\_PTC\_MANUAL\_OKYC.sql  
LOAD\_FCT\_CUST\_REVIEW\_REASONS.sql  
FN\_POPULATE\_PRCNSG\_KYC.sql  
F\_RA\_TO\_CASE\_MNUL.sql  
CUST\_IP\_SNAPHSOT.sql  
34637484\_APPLN\_INSTALL\_PARAMS.sql  
APPLN\_REREVIEW\_PARAMS\_8123.sql  
MAP\_EVAL\_RISK\_ASSMNT\_MODEL\_8123.sql  
FN\_POPULATE\_IP\_KYC.sql  
MAP\_EVAL\_RISK\_ASSMNT\_MODEL\_8124.sql  
8125\_FCC\_UI\_MODULE\_CONF.sql  
P\_UPDATE\_MPTC\_DUEDT.sql  
8126\_FCC\_UI\_MODULE\_CONF.sql  
FCT\_RA\_RISK\_DETAILS.sql  
FCT\_RA\_RISK\_REASONS.sql  
FCT\_RA\_RISK\_SUMMARY.sql  
KDD\_CASE\_LINKS\_MPTC\_INS\_HIST.sql  
REV\_BIHIER\_KYC\_SIMULATION.sql  
F\_VAL\_RA\_FOR\_CASE.sql  
P\_SW\_TESTING\_SCENARIO\_BODY.sql  
35680852\_KDD\_INSTALL\_PARAM.sql  
35680852\_KDD\_KDD\_CTR\_ACTVY\_TYPE\_RVW\_STATUS.sql  
35680852\_KDD\_CTR\_ROLE\_ACTIVITY\_TYPE.sql  
35895028\_AAI\_MENU.sql  
OJF\_CTREncrypt.sql  
CTR\_OJET\_MENU.sql  
34637484\_MESSAGES\_EN\_US.sql  
35189486\_CSSMS\_START\_PAGE\_MASTER.sql  
35624897\_MESSAGES\_EN\_US.sql  
35482609\_MESSAGES\_EN\_US.sql  
35624897\_KDD\_INSTALL\_PARAM.sql  
35624897\_KDD\_QUEUE\_MASTER.sql  
35252946\_MESSAGES\_EN\_US.sql  
OJF\_CTR\_CreateCTR.sql  
OJF\_CTR\_CreateTrxnG.sql  
OJF\_CTR\_Action.sql

OJF\_CTR\_AtchmntG.sql  
OJF\_CTR\_AtchmntP.sql  
OJF\_CTR\_Atchmnt\_Add.sql  
OJF\_CTR\_AuditG.sql  
OJF\_CTR\_AuditP.sql  
OJF\_CTR\_CommentG.sql  
OJF\_CTR\_CommentP.sql  
OJF\_CTR\_Comment\_Add.sql  
OJF\_CTR\_CrtDOEPEfileG.sql  
OJF\_CTR\_CrtDOEPEfileP.sql  
OJF\_CTR\_CrtEfileG.sql  
OJF\_CTR\_CrtEfileP.sql  
OJF\_CTR\_DEFL\_Context.sql  
OJF\_CTR\_DEFL\_Details.sql  
OJF\_CTR\_Det\_Action.sql  
OJF\_CTR\_DOEPAuditG.sql  
OJF\_CTR\_DOEPAuditP.sql  
OJF\_CTR\_DOEPEfile\_CTR.sql  
OJF\_CTR\_DOEPEfile\_ErrG1.sql  
OJF\_CTR\_DOEPEfile\_ErrG2.sql  
OJF\_CTR\_DOEPEfile\_ErrP.sql  
OJF\_CTR\_DOEPEFL\_ListG.sql  
OJF\_CTR\_DOEPEFL\_ListP.sql  
OJF\_CTR\_EFile\_CTR.sql  
OJF\_CTR\_EFile\_ErrG1.sql  
OJF\_CTR\_EFile\_ErrG2.sql  
OJF\_CTR\_EFile\_ErrP.sql  
OJF\_CTR\_EFL\_Context.sql  
OJF\_CTR\_EFL\_Details.sql  
OJF\_CTR\_EFL\_ListG.sql  
OJF\_CTR\_EFL\_ListP.sql  
OJF\_CTR\_EvidenceP.sql  
OJF\_CTR\_GenDOEPEfile.sql  
OJF\_CTR\_GenEfile.sql  
OJF\_CTR\_Inc\_CtrsG.sql  
OJF\_CTR\_Inc\_ExmG.sql  
OJF\_CTR\_ListG.sql  
OJF\_CTR\_ListP.sql  
OJF\_CTR\_ReportContext.sql  
OJF\_CTR\_ReportDetails.sql  
OJF\_CTR\_Show\_AtchmntG.sql  
OJF\_CTR\_Show\_AtchmntP.sql  
OJF\_CTR\_View\_AtchmntG.sql  
OJF\_CTR\_View\_AtchmntP.sql  
OJF\_MIT\_AddRep.sql  
OJF\_MIT\_AuditG.sql  
OJF\_MIT\_DeleteComments.sql  
OJF\_MIT\_EditRep.sql  
OJF\_MIT\_ListG.sql  
OJF\_MIT\_ListP.sql  
OJF\_CTR\_DOEPEvidenceP.sql  
OJF\_CTR\_DOEPAtchmntP.sql  
OJF\_CTR\_DOEPCommentG.sql  
OJF\_CTR\_DOEPAtchmntG.sql  
OJF\_CTR\_AccountG.sql  
OJF\_CTR\_AccountP.sql

OJF\_CTR\_CashInG.sql  
OJF\_CTR\_CashInP.sql  
OJF\_CTR\_CashOutG.sql  
OJF\_CTR\_CashOutP.sql  
OJF\_CTR\_CTRAuditP.sql  
OJF\_CTR\_DOEPCommentP.sql  
OJF\_CTR\_EXE\_ListG.sql  
OJF\_CTR\_EXE\_ListP.sql  
OJF\_CTR\_FinCen\_AknlP.sql  
OJF\_CTR\_FinCen\_Aknl\_PrmG.sql  
OJF\_CTR\_FinCen\_Aknl\_SecG.sql  
OJF\_CTR\_Init\_VaditP.sql  
OJF\_CTR\_Init\_Vadit\_ErrG.sql  
OJF\_CTR\_Init\_Vadit\_WrnG.sql  
OJF\_CTR\_PerAddressG.sql  
OJF\_CTR\_PerAddressP.sql  
OJF\_CTR\_PerAddToCTRG.sql  
OJF\_CTR\_PerAddToCTRP.sql  
OJF\_CTR\_PersonsG.sql  
OJF\_CTR\_PersonsP.sql  
OJF\_CTR\_Persons\_Dtls.sql  
OJF\_CTR\_Person\_TranG.sql  
OJF\_CTR\_Person\_TranP.sql  
OJF\_CTR\_Per\_AcctInG.sql  
OJF\_CTR\_Per\_AcctOutG.sql  
OJF\_CTR\_Per\_AcctP.sql  
OJF\_CTR\_Per\_Addr\_Add.sql  
OJF\_CTR\_Per\_Addr\_Edit.sql  
OJF\_CTR\_Per\_Inv\_edit.sql  
OJF\_CTR\_Per\_Inv\_ListB.sql  
OJF\_CTR\_Per\_Inv\_ListE.sql  
OJF\_CTR\_PI\_Edit.sql  
OJF\_CTR\_PrntFI\_G.sql  
OJF\_CTR\_PrntFI\_P.sql  
OJF\_CTR\_RepFinG.sql  
OJF\_CTR\_RepFinP.sql  
OJF\_CTR\_TransactionG.sql  
OJF\_CTR\_TransactionP.sql  
OJF\_CTR\_Trans\_Summary.sql  
OJF\_CTR\_Trxn\_AddG.sql  
OJF\_CTR\_Trxn\_AddP.sql  
OJF\_CTR\_Trxn\_Edit.sql  
OJF\_CTR\_Xsd\_VaditG.sql  
OJF\_CTR\_Xsd\_VaditP.sql  
OJF\_CTR\_EXE\_Create  
OJF\_CTR\_EXE\_Tin\_Cust  
OJF\_CTR\_CustTIN\_DET.sql  
OJF\_CTR\_Cust\_DET\_P.sql  
OJF\_CTR\_EXE\_AccD.sql  
OJF\_CTR\_EXE\_AccG.sql  
OJF\_CTR\_EXE\_AccP.sql  
OJF\_CTR\_EXE\_Acctin.sql  
OJF\_CTR\_EXE\_Acctin\_EX.sql  
OJF\_CTR\_EXE\_Act.sql  
OJF\_CTR\_EXE\_Action.sql  
OJF\_CTR\_EXE\_Context.sql

OJF\_CTR\_EXE\_CustG.sql  
OJF\_CTR\_EXE\_CustP.sql  
OJF\_CTR\_EXE\_Cust\_AcG.sql  
OJF\_CTR\_EXE\_Cust\_AcP.sql  
OJF\_CTR\_EXE\_Cust\_Adr\_Add.sql  
OJF\_CTR\_EXE\_Cust\_Edit.sql  
OJF\_CTR\_EXE\_Cust\_Ph\_Add.sql  
OJF\_CTR\_EXE\_Cu\_Adr\_Edit.sql  
OJF\_CTR\_EXE\_Cu\_Eml\_Add.sql  
OJF\_CTR\_EXE\_Cu\_Eml\_Edit.sql  
OJF\_CTR\_EXE\_Cu\_Ph\_Edit.sql  
OJF\_CTR\_EXE\_Details.sql  
OJF\_CTR\_EXE\_Info\_AddG.sql  
OJF\_CTR\_EXE\_Info\_EmlG.sql  
OJF\_CTR\_EXE\_Info\_PhnG.sql  
OJF\_CTR\_EXE\_Rel\_CTRG.sql  
OJF\_CTR\_EXE\_Rel\_CTRP.sql  
OJF\_CTR\_EXE\_TIN\_CustG.sql  
OJF\_CTR\_EXE\_TransG.sql  
OJF\_CTR\_EXE\_TransP.sql  
OJF\_CTR\_EXM\_Acc\_Dtl.sql  
OJF\_CTR\_EXM\_CONT\_INFOP.sql  
OJF\_CTR\_EXM\_Cust\_Dtl.sql  
OJF\_CTR\_PrntFI\_Edit.sql  
OJF\_CTR\_RepFinDetails.sql  
OJF\_CTR\_RepFinEdit.sql  
OJF\_CTR\_RepFin\_DTL.sql  
OJF\_CTR\_RepFin\_Edit.sql  
OJF\_CTR\_EXE\_CustCmtG.sql  
OJF\_CTR\_EXE\_CustCmtAdd.sql  
OJF\_CTR\_EXE\_CustAtcmntG.sql  
OJF\_CTR\_EXE\_CustAtcmntAdd.sql  
OJF\_CTR\_EXE\_CreateP.sql  
OJF\_CTR\_EXE\_CreateCustG.sql  
OJF\_CTR\_EXE\_AcctCustG.sql  
OJF\_CTR\_EXE\_CustAccG.sql  
OJF\_CTR\_EXE\_CreateAccG.sql  
OJF\_CTR\_EXE\_AccCmtG.sql  
OJF\_CTR\_EXE\_AccCmtAdd.sql  
OJF\_CTR\_EXE\_AccAtcmntG.sql  
OJF\_CTR\_EXE\_AccAtcmntAdd.sql  
OJF\_CTR\_PICmtAdd.sql  
OJF\_CTR\_PICmtG.sql  
OJF\_CTR\_PIAcmntG.sql  
OJF\_CTR\_PIAcmntAdd.sql  
OJF\_CTR\_Eml\_Act.sql  
OJF\_CTR\_EFL\_RejActn.sql  
OJF\_CTR\_EFL\_Action.sql  
OJF\_CTR\_EFL\_AckRcvd.sql  
OJF\_CTR\_DOEPEvidenceP.sql  
OJF\_CTR\_DOEPEFL\_RejActn.sql  
OJF\_CTR\_DOEPEFL\_Action.sql  
OJF\_CTR\_DOEPEFL\_AckRcvd.sql  
OJF\_CTR\_DOEPCCommentG.sql  
OJF\_CTR\_DOEPCComment\_Add.sql  
OJF\_CTR\_DOEPAttchmntG.sql

OJF\_CTR\_DOEPatchmt\_Add.sql  
OJF\_CTR\_EFL\_Actn.sql  
OJF\_CTR\_DOEPEFL\_Actn.sql  
OJF\_CTR\_EFL\_Actns.sql  
OJF\_CTR\_DOEPEFL\_Actns.sql  
CTR\_AAI\_OJFF\_MASKING\_VIEW\_MAPPING.sql  
CTR\_AAI\_OJFF\_MASKING\_RULE\_DETAILS.sql  
CTR\_AAI\_OJFF\_MASKING\_ATTR\_VAL\_MAP.sql  
CTR\_AAI\_OJFF\_FUNCTION\_MASKING\_MAP.sql  
CTR\_AAI\_OJFF\_COMP\_FUNC\_CODE\_MAP.sql  
CTR\_AAI\_AOM\_APP\_COMP\_ATTR\_MAPPING\_IR.sql  
CTR\_AAI\_AOM\_COMPONENT\_INFO.sql  
CTR\_AAI\_AOM\_APP\_INFO.sql  
P\_CTR\_STP.sql  
PKG\_WORKFLOW.sql  
PKG\_WORKFLOW\_BODY.sql  
PKG\_MITCTR.sql  
PKG\_MITCTR\_BODY.sql  
OJF\_AlertListN.sql  
OJF\_Aml\_Tab\_Cu\_Dt\_Al.sql  
OJF\_Aml\_Ad\_Bot\_Ml.sql  
OJF\_Aml\_Ad\_Ctl.sql  
OJF\_AM\_Ad\_MitTC.sql  
OJF\_AM\_RelAlrt\_HistP.sql  
OJF\_Aml\_Lk\_Ml\_Bot.sql  
OJF\_Aml\_Review\_Act.sql  
OJF\_Aml\_Lk\_Eft\_Det.sql  
OJF\_Aml\_Lk\_Mit\_Det.sql  
OJF\_AM\_Ad\_OrdEvtnt\_FX1.sql  
OJF\_Aml\_Ad\_Ct.sql  
OJF\_Aml\_Ad\_Cu.sql  
OJF\_Aml\_Ad\_Svt.sql  
OJF\_AM\_Ad\_OrdEvtnt.sql  
812\_Config.sql  
8111\_ATOMIC.sql  
PKG\_AMUIACTIONWORKFLOW.sql  
PKG\_AMUIACTIONWORKFLOW\_BODY.sql  
CR\_8.1.2.8\_36146973.miner.sql  
CR\_8.1.2.8\_36495785.miner.sql  
CR\_8.1.2.11.0\_38736742.miner.sql

### Menu-related Files:

OJFF\_CONV\_AAI\_MENU\_B.sql  
OJFF\_CONV\_AAI\_FF\_FORMS\_B.sql  
OJFF\_CONV\_AAI\_FF\_FORMS\_TL.sql  
OJFF\_CONV\_AAI\_FF\_FORMS\_CONTAINERS\_B.sql  
OJFF\_CONV\_AAI\_FF\_FORMS\_CONTAINERS\_TL.sql  
OJFF\_CONV\_AAI\_FF\_FORM\_CONTROLS\_B.sql  
OJFF\_CONV\_AAI\_FF\_FORM\_CONTROLS\_TL.sql  
OJFF\_CONV\_AAI\_FF\_CONTROL\_PROPERTIES.sql  
OJFF\_CONV\_AAI\_FF\_CONTROL\_PARAMS.sql  
Horizontal\_Menu\_Remove\_List.sql  
34637484\_CSSMS\_GROUP\_MAST.sql  
34637484\_CSSMS\_GROUP\_ROLE\_MAP.sql

34637484\_CSSMS\_ROLE\_FUNCTION\_MAP.sql  
34637484\_CSSMS\_ROLE\_MAST.sql  
34637484\_CSSMS\_USR\_GROUP\_DSN\_SEG\_MAP.sql  
CSSMS\_GROUP\_MAST\_PACK.sql  
CSSMS\_GROUP\_ROLE\_MAP\_PACK.sql  
CSSMS\_ROLE\_FUNCTION\_MAP\_PACK.sql  
CSSMS\_ROLE\_MAST\_PACK.sql  
CSSMS\_GRP\_ROLE\_MAP\_UNAUTH\_PACK.sql  
34633835\_ACCT\_SNAPHSOT.sql  
34633835\_CUST\_CUST\_SNAPHSOT.sql  
34633835\_CUST\_ID\_DOC\_SNAPHSOT.sql  
34633835\_CUST\_IP\_SNAPSHOT.sql  
34827060\_CUST\_IP\_SNAPSHOT.sql  
34633835\_CUST\_SNAPSHOT.sql  
34633835\_FCT\_TP\_WLS\_RESULTS\_SNAPHSOT.sql  
34633835\_PARTY\_ID\_DOC\_SNAPHSOT.sql  
34633835\_PARTY\_PARTY\_RLSHP\_SNAPHSOT.sql  
F\_RA\_TO\_CASE\_MNUL.sql  
F\_CUST\_RA\_HISTORY\_MNUL.sql  
34637484\_ALTER\_CUST\_SNAPSHOT.sql  
FCT\_CUST\_RA\_HISTRY\_INDX.sql  
/Atomic\_Schema/Functions/FN\_POPULATE\_PRCNSG\_KYC.sql  
/Config\_Schema/DT/FN\_POPULATE\_PRCNSG\_KYC.sql  
AAI\_DMT\_DEFINITION\_34637484  
34637484\_AAI\_DMT\_MAPPING\_DETAILS.sql  
34637484\_AAI\_DMT\_DEF\_SOURCE\_ENTITY.sql  
Remove\_Backup\_Tables\_34913083.sql  
F\_PROCESS\_RISK\_DETAILS.sql  
FCC\_KYC\_MODEL\_SIMULATION\_SEQ.sql  
RTI\_ASSMNT\_RESULT\_INDX.sql  
KYC\_APP\_ID\_SIMULATION\_SEQ.sql  
OVERLAYS.sql  
34637484\_ALTER\_CUST\_IP\_SNAPSHOT.sql  
KYC\_Batch\_Performance.sql  
EXCEL\_MAPPING\_MASTER.sql  
/OB/FCC\_TPG\_TABLE\_JSON\_MAPPING\_CS\_BULK.sql  
/OB/FCC\_TPG\_TABLE\_JSON\_QUERY\_CS\_BULK.sql  
/OB/FCC\_TPG\_TABLE\_JSON\_QUERY\_PARAM\_CS\_BULK.sql  
/OB/FCC\_TPG\_TABLE\_JSON\_MAPPING\_EDQ\_BULK.sql  
/OB/FCC\_TPG\_TABLE\_JSON\_QUERY\_EDQ\_BULK.sql  
/OB/FCC\_TPG\_TABLE\_JSON\_QUERY\_PARAM\_EDQ\_BULK.sql  
/OB/FCC\_OB\_SETUP\_PARAMS\_SERVICES\_8128.sql  
34913083\_AAI\_MENU\_B.sql  
34913083\_AAI\_MENU\_TL.sql  
34913083\_AAI\_MENU\_TREE.sql  
34913083\_MENU\_ITEMS.sql  
34913083\_AAI\_FF\_FORMS\_B.sql  
34913083\_AAI\_FF\_FORMS\_TL.sql  
34913083\_AAI\_FF\_FORMS\_CONTAINERS\_B.sql  
34913083\_AAI\_FF\_FORMS\_CONTAINERS\_TL.sql  
34913083\_AAI\_FF\_FORM\_CONTROLS\_B.sql  
34913083\_AAI\_FF\_FORM\_CONTROLS\_TL.sql  
34913083\_AAI\_FF\_CONTROL\_PROPERTIES.sql  
34913083\_AAI\_FF\_CONTROL\_PARAMS.sql  
PR2\_PROCESS\_TASK\_81210.sql  
PR2\_PROCESS\_TASK\_PARAMETER\_81210.sql

PR2\_PROCESS\_TASK\_PRECEDENCE\_81210.sql  
/OB/FCC\_TPG\_SETUP\_PARAMS\_SERVICES\_81211.sql  
/OB/CS\_EDQ\_WLS\_DISPLAY\_MAPPING.sql  
36815071\_MESSAGES\_EN\_US.sql  
38405843\_Process\_Task\_Update.sql

### PMF Scripts:

OB/AAI\_WF\_ACTIVITY\_B\_34637484.sql  
OB/AAI\_WF\_ACTIVITY\_TL\_34637484.sql  
OB/AAI\_WF\_APPLICATION\_API\_B\_34637484.sql  
OB/AAI\_WF\_APPLICATION\_API\_TL\_34637484.sql  
OB/AAI\_WF\_TRANSITION\_B.sql  
OB/AAI\_WF\_TRANSITION\_TL.sql

### Simulation Parallel Batch Scripts

DM\_Populate\_Acct\_Prscng\_8126.sql  
DM\_Populate\_Cust\_Acct\_Prscng\_8126.sql  
DM\_Populate\_Cust\_Addr\_Prscng\_8126.sql  
DM\_Populate\_Cust\_Cntry\_Prscng\_8126.sql  
DM\_Populate\_Cust\_Id\_Doc\_Prscng\_8126.sql  
DM\_Populate\_Cust\_Mkt\_Served\_Prscng\_8126.sql  
DM\_Populate\_Cust\_Phon\_Prscng\_8126.sql  
DM\_Populate\_Cust\_Prod\_Prscng\_8126.sql  
DM\_Populate\_Cust\_Prscng\_8126.sql  
DM\_Populate\_Cust\_to\_Cust\_Prscng\_8126.sql  
DM\_Populate\_Customer\_Reasn\_Prcsng\_8126.sql  
DM\_t2t\_FCT\_CUST\_RA\_HISTRY\_8126.sql  
DM\_t2t\_FCT\_CUST\_RVWDTLS\_8126.sql  
DM\_t2t\_FCT\_RA\_RISK\_RATING\_HISTORY\_8126.sql  
DM\_t2t\_FCT\_TP\_WLS\_REQUESTS\_8126.sql  
DM\_t2t\_FCT\_TP\_WLS\_REQUESTS\_PRCNG\_8126.sql  
DM\_t2t\_FCT\_TP\_WLS\_RESULTS\_8126.sql  
DM\_t2t\_FCT\_TP\_WLS\_RESULTS\_PRCNG.sql  
DM\_t2t\_PARTY\_ADDRESS\_PRCNG\_BO\_EXT\_8126.sql  
DM\_t2t\_PARTY\_ADDRESS\_PRCNG\_BO\_INT\_8126.sql  
DM\_t2t\_PARTY\_ADDRESS\_PRCNG\_IP\_8126.sql  
DM\_t2t\_PARTY\_DETAILS\_PRCNG\_BO\_EXT\_8126.sql  
DM\_t2t\_PARTY\_DETAILS\_PRCNG\_BO\_INT\_8126.sql  
DM\_t2t\_PARTY\_DETAILS\_PRCNG\_IP\_8126.sql  
DM\_t2t\_PARTY\_ID\_DOC\_PRCNG\_BO\_EXT\_8126.sql  
DM\_t2t\_PARTY\_ID\_DOC\_PRCNG\_BO\_INT\_8126.sql  
DM\_t2t\_PARTY\_ID\_DOC\_PRCNG\_IP\_8126.sql  
DM\_t2t\_PARTY\_PARTY\_RLSHP\_PRCNSG\_BO\_8126.sql  
DM\_t2t\_POPULATE\_FCT\_RA\_8126.sql  
DM\_t2t\_POPULATE\_FCT\_RA\_RISK\_DETAILS\_8126.sql  
DM\_t2t\_POPULATE\_FCT\_RA\_RISK\_REASONS\_8126.sql  
DM\_t2t\_POPULATE\_FCT\_RA\_RISK\_SUMMARY\_8126.sql  
PLC\_F\_CLOSURE\_UPDATES\_8126.sql  
PLC\_F\_NEW\_ACCT\_RAS\_8126.sql  
PLC\_LOAD\_FCT\_CUST\_REVIEW\_REASONS\_8126.sql  
PLC\_POPULATE\_CUST\_PROCESSING\_IP\_8126.sql  
PLC\_POPULATE\_IP\_KYC\_8126.sql  
PLC\_POPULATE\_PRCNSG\_KYC\_8126.sql

PLC\_TRUNCATE\_PRCNSG\_RUN\_KYC\_8126.sql  
PLC\_UPDATE\_WLS\_STATUS\_8126.sql  
PLC\_BD\_POPULATE\_LAST\_RUN\_BATCH\_8126.sql  
PLC\_F\_TRUNC\_RTI\_ASSMNT\_TABLES\_8126.sql  
PLC\_KYC\_PURGE\_LAST\_RUN\_TAB\_8126.sql  
KYC\_PURGE\_LAST\_RUN\_TAB\_DI\_8126.sql  
POPULATE\_IP\_KYC\_DI\_8126.sql  
t2t\_FCT\_RA\_RISK\_DETAILS\_DI\_8126.sql  
t2t\_POPULATE\_FCT\_RA\_RISK\_REASONS\_DI\_8126.sql  
t2t\_POPULATE\_FCT\_RA\_RISK\_SUMMARY\_DI\_8126.sql  
UPDATE\_WLS\_STATUS\_DI\_8126.sql  
Update\_DI\_Tasks\_8126.sql  
PLC\_PopulateCustForAccReReview.sql  
PLC\_UpdProcessedAccReReviewCust.sql  
FN\_POPULATE\_IP\_KYC\_8126.sql  
LOAD\_FCT\_CUST\_REVIEW\_REASONS\_8126.sql  
FN\_POPULATE\_PRCNSG\_KYC\_8126.sql  
FN\_TRUNCATE\_PRCNSG\_RUN\_KYC\_8126.sql  
F\_CLOSURE\_UPDATES\_8126.sql  
F\_NEW\_ACCT\_RAS\_8126.sql  
FN\_POPULATE\_CUST\_PROCESSING\_IP\_8126.sql  
FN\_UPDATE\_WLS\_STATUS\_8126.sql  
F\_EXTRACTPARAM.sql  
FN\_IPE\_LAST\_BATCH\_RUN\_8126.sql  
FN\_PURGE\_IPE\_LAST\_BATCH\_RUN\_8126.sql  
F\_TRUNC\_RTI\_ASSMNT\_TABLES\_8126.sql  
FN\_POPULATE\_IP\_KYC\_DI\_8126.sql  
FN\_POPULATE\_PRCNSG\_KYC\_DI\_8126.sql  
FN\_PURGE\_IPE\_LAST\_BATCH\_RUN\_DI\_8126.sql  
FN\_UPDATE\_WLS\_STATUS\_DI\_8126.sql  
FN\_POPULATE\_CUST\_PROCESSING\_IP\_DI.sql  
POPULATE\_ASSMNT\_MODE\_TABLES.sql  
PLC\_GathrStats\_PRCNSG\_TABLES.sql  
F\_GATHER\_STATS\_DLY\_BATCH.sql  
FN\_TRUNCATE\_PRCNSG\_RUN\_KYC\_8126.sql  
FCC\_KYC\_WSPACE\_META\_OBJECTS.sql  
PLC\_FN\_SIM\_VERIFY\_TABLES\_8126.sql  
FN\_SIM\_VERIFY\_TABLES.sql  
VW\_KYC\_REPORT\_NAMES.sql  
VW\_KYC\_PROD\_CUST.sql  
VW\_KYC\_SIM\_CUST.sql  
VW\_KYC\_PROD\_SIM\_AGGR.sql  
VW\_KYC\_AGGR\_REPORT.sql  
VW\_KYC\_SIM\_AGGREGATE\_REPORT.sql  
VW\_KYC\_SIM\_DETAILED\_REPORT.sql  
DROP\_TABLE\_SUBPARTITION\_DLY\_8126.sql  
F\_CHG\_LOG\_CAPTURE\_8126.sql  
F\_IPE\_CRT\_PARTITION\_DLY\_8126.sql  
KDD\_CODE\_SET\_TRNLN\_36425526.sql  
35975902\_Config.sql  
APPLN\_PARAMS\_36347060.sql  
F\_INS\_ACC\_RVW\_CUST.sql  
F\_UPDT\_ACC\_RVW\_CUST.sql  
F\_ACC\_RULE\_VALUE\_DISP.sql  
APPLN\_PARAMS\_81210.sql  
APPLN\_REREVIEW\_PARAMS\_81210.sql

```
REMOVE_UNUSED_PARAMS_36347060.sql
PLC_GathrStats_CUST_ACCT_PRC.sql
PLC_GathrStats_CUST_PRCNSG.sql
PLC_GathrStats_FCT_RA.sql
PLC_GathrStats_IP.sql
PLC_GathrStats_KYCPRCSNG_TAB.sql
PLC_GathrStats_WLSREQUESTS_P.sql
PLC_GathrStats_WLSRESULT_STG.sql
DM_Populate_Cust_Prscng_DI.sql
DM_t2t_FCT_CUST_RVWDTLS_PTC_DI.sql
F_GATHER_STATS_CUST_ACCT_PRCNSG.sql" />
F_GATHER_STATS_CUST_PRCNSG.sql" />
F_GATHER_STATS_DI_BATCH.sql" />
F_GATHER_STATS_FCT_CUST_IP.sql" />
F_GATHER_STATS_FCT_RA.sql" />
F_GATHER_STATS_WLS_REQ_PRCNG.sql" />
F_GATHER_STATS_WLS_RESULT_STG.sql" />
```

#### Note

Take a backup of the files mentioned above as a precautionary measure; any customizations performed to these files must be re-applied.

## A.1.3 Files Impacted by This Patch

This section lists the files impacted by this patch.

The following is the list of files which impact `ficweb` due to this patch:

- HTML
- JS Files
- JSP Files
- CSS Files
- Images
- Fonts
- Datamodel
- JAR Files
- Database Script Files
- SH Files
- DAT Files
- XML Files
- Datamap Files
- Queries (Ingestion)
- KYC Lookup tables
- Infodom Files
- Build-related Files

- BD Algorithm-related Files
- Real Time Fraud Files

## HTML

The following are the HTML files are impacted:

```
kyc_onboarding/js/views/algorithmBasedView.html
kyc_onboarding/js/views/ConfigureServiceParameters.html
kyc_onboarding/js/views/ConfigureTPGServiceParameters.html
kyc_onboarding/js/views/fccGrid.html
kyc_onboarding/js/views/fccGridDialog.html
kyc_onboarding/js/views/fccGridMessagePopup.html
kyc_onboarding/js/views/kycOnboardingAssessmentSummary.html
kyc_onboarding/js/views/kycOnboardingAssessmentSummarySearch.html
kyc_onboarding/js/views/KYCRelationshipType_AssmntMode.html
kyc_onboarding/js/views/mapEvaluationView.html
kyc_onboarding/js/views/mapSourceDestination.html
kyc_onboarding/js/views/riskAssessmentBasedView.html
kyc_onboarding/js/views/RiskAssessmentCategory.html
kyc_onboarding/js/views/riskScoreDefinition.html
kyc_onboarding/js/views/kycCustomerBasicInfo.html
kyc_onboarding/js/views/kycCustomerEntity.html
kyc_onboarding/js/views/obInputJSON.html
kyc_onboarding/js/views/kycAssessmentContext.html
kyc_onboarding/js/views/kycRiskScoreRBandMBGuage.html
kyc_onboarding/js/views/kycObRiskScoreView.html
kyc_onboarding/js/views/kycCustScoreTabular.html
kyc_onboarding/js/views/kycCustFilmStrip.html
kyc/js/views/ECM_KYC_AccReviewRules.html
kyc/js/views/ECM_KYC_ApplnParams.html
kyc/js/views/ECM_KYC_ManageInstall.html
kyc/js/views/ECM_KYC_RuleBased.html
kyc/js/views/ECM_KYC_RiskValue.html
kyc/js/views/KYC_Map_Eval.html
kyc/js/views/ECM_KYC_RiskCategory.html
kyc/js/views/ECM_KYC_AccountCustRole.html
kyc/js/views/ECM_KYC_ModelBased.html
kyc/js/views/ECM_KYC_RAORCategory.html
kyc/js/views/fccGrid.html
kyc/js/views/fccGridDialog.html
kyc/js/views/fccGridMessagePopup.html
kyc/js/views/gridView.html
kyc/js/views/CMG_KYC_RA_SearchNList.html
kyc/js/views/KYCRelationshipType_AssmntMode.html
```

## JS Files

The following are the JS files impacted:

```
kyc_onboarding/js/viewModels/fccGrid.js
kyc_onboarding/js/viewModels/fccGridDialog.js
kyc_onboarding/js/viewModels/fccGridMessagePopup.js
kyc_onboarding/js/viewModels/riskScoreDefinition.js
kyc_onboarding/js/viewModels/riskAssessmentBasedView.js
```

```
kyc_onboarding/js/viewModels/kycOnboardingAssessmentSummarySearch.js
kyc_onboarding/js/viewModels/ConfigureServiceParameters.js
kyc_onboarding/js/viewModels/ConfigureTPGServiceParameters.js
kyc_onboarding/js/viewModels/KYCRelationshipType_AssmntMode.js
kyc_onboarding/js/viewModels/RiskAssessmentCategory.js
kyc_onboarding/js/viewModels/algorithmBasedView.js
kyc_onboarding/js/viewModels/kycOnboardingAssessmentSummary.js
kyc_onboarding/js/viewModels/mapEvaluationView.js
kyc_onboarding/js/viewModels/mapSourceDestination.js
kyc_onboarding/js/viewModels/riskScoreDefinition.js
kyc_onboarding/js/main.js
kyc_onboarding/js/main_OBUI.js
kyc_onboarding/js/libs/jquery/*
kyc_onboarding/js/libs/underscore/*
kyc_onboarding/js/libs/require/*
kyc/js/main.js
kyc/js/viewModels/ECM_KYC_AccReviewRules.js
kyc/js/viewModels/ECM_KYC_ApplnParams.js
kyc/js/viewModels/ECM_KYC_ManageInstall.js
kyc/js/viewModels/ECM_KYC_RuleBased.js
kyc/js/viewModels/ECM_KYC_RiskValue.js
kyc/js/viewModels/KYC_Map_Eval.js
kyc/js/viewModels/ECM_KYC_RiskCategory.js
kyc/js/viewModels/ECM_KYC_AccountCustRole.js
kyc/js/viewModels/ECM_KYC_ModelBased.js
kyc/js/viewModels/ECM_KYC_RAORCategory.js
kyc/js/viewModels/fccGrid.js
kyc/js/viewModels/fccGridDialog.js
kyc/js/viewModels/fccGridMessagePopup.js
kyc/js/viewModels/gridView.js
kyc/js/viewModels/CMG_KYC_RA_SearchNList.js
kyc/js/viewModels/KYCRelationshipType_AssmntMode.js
kyc/js/appCommon/appSolution.js
kyc/js/libs/knockout-postbox/knockout-postbox.js
kyc/js/libs/knockout-postbox/knockout-postbox.min.js
$FIC_HOME/ficweb/webroot/RealTimeFraud/js/main.js
$FIC_HOME/ficweb/webroot/RealTimeFraud/js/RTFraudAdmin.js
$FIC_HOME/ficweb/webroot/RealTimeFraud/js/RTFCardAdmin.js
$FIC_HOME/ficweb/webroot/RealTimeFraud/js/RTFraud.js
$FIC_HOME/ficweb/webroot/RealTimeFraud/js/RTFraudCard.js
```

## JSP Files

The following are the JSP files impacted:

```
kyc_onboarding/ConfigureServiceParameters.jsp
kyc_onboarding/ConfigureTPGServiceParameters.jsp
kyc_onboarding/KYCAgorithmBasedView.jsp
kyc_onboarding/KYCRelationshipType_AssmntMode.jsp
kyc_onboarding/KYCRiskBasedView.jsp
kyc_onboarding/KYCRiskScoreDefinition.jsp
kyc_onboarding/KYCMapEvaluation.jsp
kyc_onboarding/KYCMapSourceDestination.jsp
kyc_onboarding/RiskAssessmentCategory.jsp
kyc_onboarding/KYC_OnBoarding.jsp
kyc_onboarding/KYCOBMessageConstants.jsp
```

kyc/ECM\_KYC\_AccReviewRules.jsp  
kyc/ECM\_KYC\_ApplnParams.jsp  
kyc/ECM\_KYC\_ManageInstall.jsp  
kyc/ECM\_KYC\_RuleBased.jsp  
kyc/KYCMessagesConstants.jsp  
kyc/KYCMessagesConstantsUI.jsp  
kyc/ECM\_KYC\_RiskValue.jsp  
kyc/KYC\_Map\_Eval.jsp  
kyc/ECM\_KYC\_RiskCategory.jsp  
kyc/ECM\_KYC\_ModelBased.jsp  
kyc/ECM\_KYC\_RiskCategory.jsp  
kyc/ECM\_KYC\_AccountCustRole.jsp  
kyc/ECM\_KYC\_RAORCategory.jsp  
kyc/CMG\_KYC\_RA\_SearchNList.jsp  
adminToolsRenderer.jsp  
alertscores\_scores\_edit.jsp  
alert\_assigner\_incl\_addexception.jsp  
kyc/KYCRelationshipType\_AssmntMode.jsp  
kyc/index.sim.jsp  
kyc/IPE\_index.jsp

## CSS Files

The following are the CSS files impacted:

kyc\_onboarding/css/newwave.css  
kyc\_onboarding/css/newwave\_global.css  
kyc\_onboarding/css/newwave\_kyc.css  
kyc\_onboarding/css/fonts/ojuxiconFont\_Rg.woff  
kyc\_onboarding/css/fonts/ojuxiconFont\_Rg.ttf  
kyc\_onboarding/css/fonts/ojuxiconFont\_Rg.svg  
kyc\_onboarding/css/fonts/ojuxiconFont\_Rg.eot  
kyc\_onboarding/css/images/progress\_bar\_alta\_onpremise.gif  
kyc/css/kycob-min.css  
kyc/css/newwave.css  
kyc/css/newwave\_global.css  
kyc/css/newwave\_kyc.css  
kyc/css/override.css  
kyc/css/iconclass.css  
ojff/OFS\_KYC.css  
ojff/OFS\_KYC\_newwave.css

## Images

The following are the image files impacted:

avatar\_24px.png  
avatar\_24px\_2x.png  
bank-icon-color.png  
favicon.ico  
helpIconBlack.png  
minus.png  
multicombobox.png  
oracle\_logo.svg  
plus.png

progress\_bar\_alta.gif  
standing-user-icon-color.png

## Fonts

The following are the fonts impacted:

AAI\_iconfont.woff  
AaiFont.ttf  
AaiFont.woff  
App\_iconfont.woff  
FontAwesome.otf  
fontawesome-webfont.eot  
fontawesome-webfont.ttf  
fontawesome-webfont.woff  
fontawesome-webfont.woff2  
iconclass.css  
IM2.svg  
IM2.ttf  
IM2.woff  
JetFW\_iconfont.eot  
JetFW\_iconfont.ttf  
JetFW\_iconfont.woff  
override.css  
override.css.map

## Datamodel

The following are the datamodel files impacted:

BD\_FSDM.xml  
KYC\_DataModel.xml  
BD\_EXTN.xml

## JAR Files

The following are the Jar files impacted:

alert\_mgmt.jar  
commons-codec-1.16.1.jar  
commons-compress-1.26.1.jar  
commons-fileupload-1.5.jar  
commons-logging-1.1.3.jar  
curvesapi-1.08.jar  
tp\_dataload.jar  
kyc.jar  
log4j-api-2.23.1.jar  
log4j-core-2.23.1.jar  
log4j-web-2.23.1.jar  
spring-aop-5.3.39.2.jar  
spring-aspects-5.3.39.2.jar  
spring-beans-5.3.39.2.jar  
spring-context-5.3.39.2.jar  
spring-context-support-5.3.39.2.jar  
spring-core-5.3.39.2.jar

spring-expression-5.3.39.2.jar  
spring-integration-kafka-5.5.13.jar  
spring-jdbc-5.3.39.2.jar  
spring-jms-5.3.39.2.jar  
spring-messaging-5.3.39.2.jar  
spring-oxm-5.3.39.2.jar  
spring-tx-5.3.39.2.jar  
spring-web-5.3.39.2.jar  
spring-webmvc-5.3.39.2.jar  
jackson-annotations-2.18.2.jar  
jackson-core-2.18.2.jar  
jackson-databind-2.18.2.jar  
jackson-jaxrs-base-2.18.2.jar  
jackson-jaxrs-json-provider-2.18.2.jar  
jackson-module-jaxb-annotations-2.18.2.jar  
slf4j-api-2.0.13.jar  
xerces.jar  
kycOnboarding.jar  
common.jar  
datamap.jar  
actionframework.jar  
admintools.jar  
kddcore.jar  
serializer-2.10.0.jar  
activation-1.1.1.jar  
createCaseInput.jar  
OFSSWatchList.jar  
OnboardingServiceUI.jar  
InitiateOnboarding.jar  
guava-32.1.2.jar  
TabletoJSON.jar

### Database Script Files

The following are the Database Script files impacted:

delta\_plat8.1.2.1.0.cfg  
delta\_plat8.1.2.8.0.cfg  
delta\_plat8.1.2.9.0.cfg  
CR\_8.1.2.9\_37025880.business.sql  
CR\_8.1.2.1.0\_33981210.mantas.sql  
mantas8.1.2.1.0\_delta.cfg  
mantas8.1.2.9.0\_delta.cfg  
CR\_8.1.2.9.0\_37025880.mantas.sql  
CR\_8.1.2.10\_38402265.business.sql  
CR\_8.1.2.11.0\_38402265.mantas.sql  
CR\_8.1.2.1.0\_34047483.business.sql  
CR\_8.1.2.2.0\_bitmap\_index.sql  
CR\_8.1.2.3.0\_34745349.business.sql  
CR\_8.1.2.3.0\_34803629.mantas.sql  
PR\_8.1.2.7.0\_35943727.mantas.sql  
CR\_8.1.2.7.0\_36158550.business.sql  
KYC/33981210\_MESSAGES\_EN\_US.sql  
KYC/34107704\_CUST\_SNAPSHOT.sql  
KYC/34107704\_FCC\_TPG\_CUST.sql  
KYC/MESSAGES\_EN\_US\_8124.sql

```
KYC/AAI_DMT_DEFINITION_8124_34913083.sql
KYC/AAI_DMT_DEFINITION_8126.sql
KYC/APPLN_LOGS_MSGS_ALTER.sql
KYC/KYC_CASE_CUST_MNUL_INDX.sql
```

### SH Files

The following are the SH files impacted:

```
execute.sh
run_hdc.ksh
run_hdcTBAML.ksh
tp_configurator.sh
tp_dataload.sh
alsup_configurator.sh
alsup_dataload.sh
$FIC_HOME/BD_Duplicate_Jar_Removal_8121ML.sh
$FIC_HOME/BD_Duplicate_Jar_Removal_8122ML.sh
$FIC_HOME/BD_Duplicate_Jar_Removal_8123ML.sh
$FIC_HOME/BD_Duplicate_Jar_Removal_8124ML.sh
$FIC_HOME/BD_Duplicate_Jar_Removal_8125ML.sh
$FIC_HOME/BD_Duplicate_Jar_Removal_8126ML.sh
$FIC_HOME/BD_Duplicate_Jar_Removal_8127ML.sh
$FIC_HOME/BD_Duplicate_Jar_Removal_8128ML.sh
$FIC_HOME/BD_Duplicate_Jar_Removal_8129ML.sh
$FIC_HOME/OFS_BD_8.1.2.9.0_installer.sh
$FIC_HOME/ficdb/bin/WLS_FuzzyMatch.sh
```

### DAT Files

message.dat is the only file impacted.

### XML Files

The following are the XML files impacted:

```
tpconfig.xml
OFS_KYC_RTIEExport_AcceleratedRereview_WithAomalyDetectionML.xml
AdminToolsHTMLComponentModel.xml
HDC_DataBagsTBAML.xml
KeysByTableNameTBAML.xml
```

### Datamap Files

The following are the Datamap files impacted:

```
Customer.xml
Account.xml
AccountAddress.xml
AccountPhone.xml
AccountEmailAddress.xml
FrontOfficeTransaction.xml
FrontOfficeTransactionParty.xml
FrontOfficeTransactionParty_HoldingInstnSeqID.xml
WireTransaction_FrontOfficeTransaction.xml
```

SettlementInstruction.xml  
DerivedAddress\_FrontOfficeTransactioPartyStageUpd.xml  
DerivedAddress\_FrontOfficeTransactioPartyStageInsert.xml  
AccountToCustomer.xml  
PartytoPartyRelationship.xml  
ExternalEntityProfile.xml  
CustomerAddress.xml  
CashTransaction\_FrontOfficeTransaction.xml  
DerivedAddress\_ExternalOrganizationStageInsert.xml  
DerivedAddress\_ExternalOrganizationStageUpd.xml  
DerivedEntity\_ExtrlOrgInsert.xml  
DerivedEntity\_ExtrlOrgUpd.xml  
ExternalParty.xml  
ExternalPartyAddress.xml  
ExternalPartyAddress\_DerivedAddress.xml  
ExternalPartyStage.xml  
ExternalParty\_DerivedAddress.xml  
ExternalParty\_ExternalEntitySeqUpd.xml  
LinkStaging\_ExtrlOrg.xml  
AccountToCustomer.xml  
AccountPeerGroupMonthlyTransactionProfile.xml  
CorrespondentBankPeerGroupTransactionProfile.xml  
AccountDailyProfile-Transaction.xml  
AccountProfile\_Transaction.xml  
CorrespondentBankProfile.xml  
AnticipatoryProfile.xml  
CustomerPhone.xml  
Customer\_KYCRiskUpd.xml  
LoanProfile\_LoanProfileStage.xml  
LoanDailyActivity.xml  
CorrespondentBankListMembership\_WatchListStage2Upd.xml  
ChangeLog\_AcctProfileInactivity.xml  
Account\_EffRiskUpdAfterWLRiskRemoval.xml  
DerivedEntity\_WatchListStage2EffectiveRisk.xml  
DerivedEntityListMembership\_WatchListStage2Upd.xml  
FinancialInstitution\_FOTPSPopulation.xml  
WatchListStagingTable2\_WatchListStage2CBExistence.xml  
Account\_AccountCustRiskUpd.xml  
Account\_EffectiveRiskFactorTxtUpd.xml  
Account\_EffRiskUpdAfterWLRiskRemoval.xml  
Account\_OverallEffectiveRiskUpd.xml  
Account\_WatchListStage2EffectiveRisk.xml  
FinancialInstitution\_AIIMSPopulation.xml  
FinancialInstitution\_AnticipatoryProfile.xml  
FinancialInstitution\_BrokerageDistribution.xml  
FinancialInstitution\_FOTPSPopulation.xml  
FinancialInstitution\_InstNameUpd.xml  
FinancialInstitution\_InsuranceTransaction.xml  
FinancialInstitution\_SettlementInstruction.xml  
FinancialInstitution\_ThomsonDataInstitutionInsert.xml  
FinancialInstitution\_TradeFinanceParty.xml  
YearEndBalanceUpd.xml

## Queries (Ingestion)

The following are the list of Ingestion Queries impacted:

```
CustomerIdentificationDocument.STG_CUSTOMER_IDENTIFCTN_DOC.sql
FrontOfficeTransaction.STG_TRUSTS_TXNS.sql
FrontOfficeTransaction.STG_TRADING_ACCOUNT_TXNS.sql
FrontOfficeTransaction.STG_TERMDEPOSITS_TXNS.sql
FrontOfficeTransaction.STG_SWAP_ACCOUNT_TXNS.sql
FrontOfficeTransaction.STG_RETIREMENT_ACCOUNTS_TXNS.sql
FrontOfficeTransaction.STG_REPO_TRANSACTIONS.sql
FrontOfficeTransaction.STG_OD_ACCOUNTS_TXNS.sql
FrontOfficeTransaction.STG_MM_TXNS.sql
FrontOfficeTransaction.STG_MERCHANT_CARDS_TXNS.sql
FrontOfficeTransaction.STG_LOAN_CONTRACT_TXNS.sql
FrontOfficeTransaction.STG_LEASES_TXNS.sql
FrontOfficeTransaction.STG_CORRESPONDENT_ACCT_TXNS.sql
FrontOfficeTransaction.STG_CASA_TXNS.sql
FrontOfficeTransaction.STG_ANNUITY_TXNS.sql
BackOfficeTransaction.STG_TRUSTS_TXNS.sql
BackOfficeTransaction.STG_TRADING_ACCOUNT_TXNS.sql
BackOfficeTransaction.STG_TERMDEPOSITS_TXNS.sql
BackOfficeTransaction.STG_SWAP_ACCOUNT_TXNS.sql
BackOfficeTransaction.STG_RETIREMENT_ACCOUNTS_TXNS.sql
BackOfficeTransaction.STG_REPO_TRANSACTIONS.sql
BackOfficeTransaction.STG_OD_ACCOUNTS_TXNS.sql
BackOfficeTransaction.STG_MM_TXNS.sql
BackOfficeTransaction.STG_MERCHANT_CARDS_TXNS.sql
BackOfficeTransaction.STG_LOAN_CONTRACT_TXNS.sql
BackOfficeTransaction.STG_LEASES_TXNS.sql
BackOfficeTransaction.STG_CORRESPONDENT_ACCT_TXNS.sql
BackOfficeTransaction.STG_CASA_TXNS.sql
BackOfficeTransaction.STG_ANNUITY_TXNS.sql
AnticipatoryProfile.STG_CUST_ANTICIPATORY_PROFILE.sql
AnticipatoryProfile.STG_ACCT_ANTICIPATORY_PROFILE.sql
Customer.STG_PARTY_MASTER.sql
Account.STG_ANNUITY_CONTRACTS.sql
Account.STG_CARDS.sql
Account.STG_CASA.sql
Account.STG_CORRESPONDENT_ACCOUNT.sql
Account.STG_LEASES_CONTRACTS.sql
Account.STG_LOAN_CONTRACTS.sql
Account.STG_MERCHANT_CARDS.sql
Account.STG_MM_CONTRACTS.sql
Account.STG_OD_ACCOUNTS.sql
Account.STG_REPO_CONTRACTS.sql
Account.STG_RETIREMENT_ACCOUNTS.sql
Account.STG_SWAPS_CONTRACTS.sql
Account.STG_TD_CONTRACTS.sql
Account.STG_TRADING_ACCOUNT.sql
Account.STG_TRUSTS.sql
Loan.STG_CARDS.sql
TradeExecution.sql
TradeExecutionStage.STG_TRADE_EXECUTION.sql
CustomerIdentificationDocument.STG_CUSTOMER_IDENTIFCTN_DOC.sql
```

PartytoPartyRelationship.STG\_PARTY\_PARTY\_RELATIONSHIP.sql  
 ExternalPartyStage.STG\_PARTY\_MASTER.sql  
 AccountToCustomer.STG\_PARTY\_ACCOUNT\_ROLE\_MAP.sql  
 Security.STG\_INSTRUMENT\_CONTRACT\_MASTER.sql  
 CurrencyTransaction.STG\_ANNUITY\_TXNS.sql  
 CurrencyTransaction.STG\_CARDS\_PAYMENT\_TXNS.sql  
 CurrencyTransaction.STG\_CASA\_TXNS.sql  
 CurrencyTransaction.STG\_LOAN\_CONTRACT\_TXNS.sql  
 CurrencyTransaction.STG\_RETIREMENT\_ACCOUNTS\_TXNS.sql  
 CurrencyTransaction.STG\_SWAP\_ACCOUNT\_TXNS.sql  
 CurrencyTransaction.STG\_TERMDEPOSITS\_TXNS.sql  
 CurrencyTransaction.STG\_TRADING\_ACCOUNT\_TXNS.sql  
 CustomerPhone.STG\_PARTY\_PHONE\_MAP.sql  
 AccountPhone.STG\_ACCOUNT\_PHONE\_MAP.sqlCountryTradeList.STG\_COUNTRY\_TRADE\_MAP.s  
 ql  
 DocCollectionContractAcknowledgementStage.STG\_DOC\_COLLCTN\_CNTRCT\_ACK.sql  
 DocumentaryCollectionContractAcceptanceStage.STG\_DOC\_COLLCTN\_CNTRCT\_ACC.sql  
 DocumentaryCollectionContractEvent.STG\_DOC\_COLLCTN\_CNTRCT\_EVENT.sql  
 DocumentaryCollectionDiscrepancyDetail.STG\_DOC\_COLLCTN\_DISCPNT\_DTL.sql  
 GoodsorService.STG\_TRADE\_FIN\_GOODS\_MASTER.sql  
 TradeFinanceContractAmendmentStatusStage.STG\_TRD\_FIN\_CNTRCT\_AMD\_STATUS.sql  
 TradeFinanceContractEvent.STG\_TRADE\_FIN\_CNTRCT\_EVENT.sql  
 TradeFinanceContractEventAcknowledgementStage.STG\_TRD\_FIN\_CNTRCT\_EVENT\_ACK.sql  
 TradeFinanceDocument.STG\_TRADE\_FINANCE\_DOCUMENT.sql  
 TradeFinanceGoodorService.STG\_TRADE\_FINANCE\_GOODS.sql  
 TradeFinanceParty.STG\_TRADE\_FINANCE\_PARTY\_EVENT.sql  
 TradeFinancetoAccount.STG\_TRADE\_FINANCE\_ACCT.sql

### KYC Lookup Tables

The following are the list of Excel files at FTPSHARE -- STAGE -- ExcelUpload -- KYCLookupTables ---> EXCEL:

HIST\_APPLN\_RB\_PROCESSING.xls  
 HIST\_APPLN\_REREVIEW\_PARAMS.xls  
 HIST\_APPLN\_RISK\_RATING\_PARAMS.xls  
 HIST\_DIM\_RISK\_CATEGORY.xls  
 HIST\_DIM\_ACCT\_CUST\_ROLE\_TYPE.xls  
 HIST\_DIM\_RAORRISK\_CATEGORY.xls  
 HIST\_PARAM\_RISK\_SCORE\_JRSDN.xls  
 FCC\_OB\_RISK\_PRMS\_CODE\_SCRE\_MAP.xls  
 FCC\_OB\_RISK\_PRMS\_CODE\_VAL\_MAP.xls  
 FCC\_OB\_RSKPRMS\_CODEVAL\_MAP\_ST.xls  
 APPLN\_PARAMS.xls  
 HIST\_APPLN\_INSTALL\_PARAMS.xls  
 HIST\_APPLN\_PARAMS.xls

### Infodomain Files

The following are the list of XML files at FTPSHARE -- STAGE -- ExcelUpload -- INFODOM --- > XML:

HIST\_APPLN\_RB\_PROCESSING.xml  
 HIST\_APPLN\_REREVIEW\_PARAMS.xml  
 HIST\_APPLN\_RISK\_RATING\_PARAMS.xml

```
HIST_DIM_RISK_CATEGORY.xml
HIST_DIM_ACCT_CUST_ROLE_TYPE.xml
HIST_DIM_RAORRISK_CATEGORY.xml
HIST_PARAM_RISK_SCORE_JRSDN.xml
FCC_OB_RISK_PRMS_CODE_SCRE_MAP.xml
FCC_OB_RISK_PRMS_CODE_VAL_MAP.xml
FCC_OB_RSKPRMS_CODEVAL_MAP_ST.xml
HIST_APPLN_INSTALL_PARAMS.xml
HIST_APPLN_PARAMS.xml
```

### Build-related Files

The following are the list of Build-related files impacted:

```
DB_Install.xml
INSERT_INFODOM_PATCHES.sql
```

#### Note

The following files are required for the patch utility to work:

```
merge_wsdd.xml
merge_Persistence.xml
merge_web.xml
merge_Menu.xml
```

### BD Algorithm-related Files

The following are the list of BD Algorithm-related files impacted:

```
{FCCM_HOME}/behavior_detection/algorithms/lib
{FCCM_HOME}/behavior_detection/algorithms/bin
{FCCM_HOME}/behavior_detection/algorithms/MTS/bin
```

#### Note

Take a backup of above algorithms lib and bin folders.

### Real Time Fraud Files

The following are the list of Real Time Fraud files impacted:

```
$FIC_HOME/RTFWireFraudIPEProcessing
$FIC_HOME/RTFCardFraudIPEProcessing
$FIC_HOME/RealTimeFraudCommonScripts
$FIC_HOME/ficweb/webroot/RealTimeFraud folder
$FIC_HOME/ficweb/webroot/WEB-INF/lib/RealTimeFraudWire.jar
$FIC_HOME/ficweb/webroot/WEB-INF/lib/RealTimeFraudCommon.jar
$FIC_HOME/ficweb/webroot/WEB-INF/lib/RealTimeFraudCard.jar
```

## A.2 OFS BD Version Compatibility List

This appendix describes the OFS BD version compatibility list.

**Table 1 OFS BD Version Compatibility List**

OFS BD Version	OFSAAI Version	FSDf Version	OFS ECM Version
8.1.2.11	8.1.2.5	8.1.2.10	8.1.2.11
8.1.2.10	8.1.2.5	8.1.2.9	8.1.2.10
8.1.2.9	8.1.2.5	8.1.2.7	8.1.2.9
8.1.2.8	8.1.2.4	8.1.2.6	8.1.2.8
8.1.2.7	8.1.2.4	8.1.2.4	8.1.2.7
8.1.2.6	8.1.2.3	8.1.2.4	8.1.2.6
8.1.2.5	8.1.2.3	8.1.2.3	8.1.2.5
8.1.2.4	8.1.2.2	8.1.2.3	8.1.2.4
8.1.2.3	8.1.2.2	8.1.2.2	8.1.2.3
8.1.2.2	8.1.2.1	8.1.2.2	8.1.2.2
8.1.2.1	8.1.2.1	8.1.2.1	8.1.2.1
8.1.2	8.1.2	8.1.2.1 (includes all changes in FSDf 81201)	8.1.2
8.1.1.1	8.1.1.2	8.1.2.0.1	8.1.1.1
8.1.1	8.1.1	8.0.8	8.1.1
8081	8.0.8.6	8.0.8	8.0.8.x
8.0.8	8.0.8 to 8.0.8.6	8.0.8	8.0.8
8072	8.0.7.8	8.0.7	8.0.7.x
8071	8.0.7.4 to 8.0.7.8	8.0.7	8.0.7.x
8.0.7	8.0.7 to 8.0.7.8	8.0.7	8.0.7

# A.3 Upgrade Scenarios

This appendix describes the upgrade scenarios.

Topics:

- [Upgrade from OFS BD 8.1.2.0.0 to OFS BD 8.1.2.11.0](#)
- [Upgrade from OFS BD 8.1.2.1.0 to OFS BD 8.1.2.11.0](#)
- [Upgrade from OFS BD 8.1.2.2.0 to OFS BD 8.1.2.11.0](#)
- [Upgrade from OFS BD 8.1.2.3.0 to OFS BD 8.1.2.11.0](#)
- [Upgrade from OFS BD 8.1.2.4.0 to OFS BD 8.1.2.11.0](#)
- [Upgrade from OFS BD 8.1.2.5.0 to OFS BD 8.1.2.11.0](#)
- [Upgrade from OFS BD 8.1.2.6.0 to OFS BD 8.1.2.11.0](#)
- [Upgrade from OFS BD 8.1.2.7.0 to OFS BD 8.1.2.11.0](#)
- [Upgrade from OFS BD 8.1.2.8.0 to OFS BD 8.1.2.11.0](#)
- [Upgrade from OFS BD 8.1.2.9.0 to OFS BD 8.1.2.11.0](#)
- [Upgrade from OFS BD 8.1.2.10.0 to OFS BD 8.1.2.11.0](#)

## A.3.1 Upgrade from OFS BD 8.1.2.0.0 to OFS BD 8.1.2.11.0

This section lists the required scenarios while upgrading from OFS BD 8.1.2.0.0 to OFS BD 8.1.2.11.0.

In case of upgrade from OFS BD 8.1.2.0.0 to OFS BD 8.1.2.11.0, load the following scenarios:

ML-EnWithMultAd-fEN.115000005.xml  
ML-HRTransHRGeography.115000052.xml  
IML-DataManipulation-dINST.114000059.xml  
IML-ICIBInactiveToActive-dINST.116100001.xml  
ML-CIBPreviousAverageActivity.116000083.xml  
ML-EarlyPOCreditProducts.115400011.xml  
ML-EarlyPOCreditProducts.115400010.xml  
ML-CIBPreviousAverageActivity.118860023.xml (New scenario)  
ML-CIBPreviousPeakActivity.118860024.xml (New scenario)  
ML-HRTransHRGeography.118860022.xml (New scenario)  
ML-DepWDSameAmts.118860020.xml  
ML-RoutingMultiLocations.118860012.xml  
ML-AnomATMBCForeignTrans.116000054.xml  
ML-HRTransHRGeography.115000049.xml  
ML-LgDeprecAcctValue.115200003.xml  
ML-StructuringAvoidReportThreshold.116000063.xml  
ML-CashTransPossibleCTR.116000073.xml  
ML-LargeReportableTrans.115400007.xml  
ML-StructuringDepWDMixedMIs.118860016.xml  
ML-HubAndSpoke.118860014.xml  
ML-HubAndSpoke.118860005.xml  
ML-FTNCuEnExternal.114000078.xml  
ML-FTNRecurringOrBe.114000082.xml  
ML-AnticipateProfileIncome.116000090.xml

ML-RapidMvmtFundsAllActivity.116000079.xml  
 ML-TerroristFinancing.114000122.xml  
 ML-TerroristFinancing.114000123.xml  
 ML-AnomATMBCForeignTrans.116000055.xml  
 ML-HRTransFocalHRE.114000060.xml  
 ML-DPGTotalActivity.114697019.xml  
 ML-AnticipateProfileSOF.116000059.xml  
 ML-EnWithMultId-fEN.115000004.xml  
 ML-RoundAmounts.114590030.xml  
 ML-HRTransFocalHRE.114000073.xml  
 ML-StoredValueCards.114000125.xml  
 ML-StoredValueCards.114000126.xml  
 ML-StructuringAvoidReportThreshold.116000062.xml  
 ML-CIBPreviousAverageActivity.116000084.xml  
 ML-DPGTotalActivity.115690004.xml  
 ML-PolicieswithRefunds-dNSR.114690107.xml  
 ML-StructuringAvoidReportThreshold.118860028.xml  
 ML-StructuringAvoidReportThreshold.118860029.xml  
 ML-CashTransPossibleCTR.116000037.xml  
 ML-EarlyRemoval-dNSR.114690106.xml  
 ML-RoutingMultiLocations.118860012.xml (Before loading and executing the scenario, add it to the scnro.cfg file)  
 ML-CIBProductUtilization.116000069.xml  
 ML-CIBForeignActivity.116000053.xml  
 ML-AnticipateProfileExpectedActivity.116000107.xml  
 ML-ChkMIRecurringReBeKnown.116000074.xml  
 ML-ExtMatchedNames.114590002.xml  
 ML-ExtMatchedNames.114590003.xml  
 ML-LargeReportableTrans.116000060.xml  
 ML-CIBHRGActivity.116000087.xml  
 ML-AnomATMBCStructuredCash.116000056.xml  
 ML-StructuringAvoidReportThreshold.118860030.xml  
 ML-AnomATMBCExcessiveWD.116000065.xml  
 ML-PotStructuringCashAndEquiv.118860031.xml  
 ML-RapidMvmtFundsAllActivity.116000080.xml  
 ML-ChkMISequentialNumber.118860034.xml  
 ML-ChkMISequentialNumber.118860035.xml  
 ML-HRTransHRCounterParty.114000083.xml  
 ML-HRTransHRGeography.118860022.xml  
 IML-MvmtFundsWoTrade-dINST.114000020.xml  
 ML-CIBPreviousAverageActivity.118860023.xml  
 ML-TerroristFinancing.118860004.xml  
 TBML-CIBHighRiskCountryShift.118860011.xml

## A.3.2 Upgrade from OFS BD 8.1.2.1.0 to OFS BD 8.1.2.11.0

This section lists the required scenarios while upgrading from OFS BD 8.1.2.1.0 to OFS BD 8.1.2.11.0.

In case of upgrade from OFS BD 8.1.2.0.0 to OFS BD 8.1.2.11.0, load the following scenarios:

ML-EnWithMultAd-fEN.115000005.xml  
 ML-HRTransHRGeography.115000052.xml  
 IML-DataManipulation-dINST.114000059.xml  
 IML-ICIBInactiveToActive-dINST.116100001.xml

ML-AnomATMBCForeignTrans.116000054.xml  
ML-HRTransHRGeography.115000049.xml  
ML-RapidMvmtFundsAllActivity.116000080.xml  
ML-StructuringAvoidReportThreshold.116000063.xml  
ML-CashTransPossibleCTR.116000073.xml  
ML-LargeReportableTrans.115400007.xml  
ML-StructuringDepWDMixedMIs.118860016.xml  
ML-HubAndSpoke.118860014.xml  
ML-HubAndSpoke.118860005.xml  
ML-FTNCuEnExternal.114000078.xml  
ML-FTNRecurringOrBe.114000082.xml  
ML-AnticipateProfileIncome.116000090.xml  
ML-LgDeprecAcctValue.115200003.xml  
ML-RapidMvmtFundsAllActivity.116000079.xml  
ML-TerroristFinancing.114000122.xml  
ML-TerroristFinancing.114000123.xml  
ML-AnomATMBCForeignTrans.116000055.xml  
ML-HRTransFocalHRE.114000060.xml  
ML-DPGTotalActivity.114697019.xml  
ML-AnticipateProfileSOF.116000059.xml  
ML-EnWithMultId-fEN.115000004.xml  
ML-RoundAmounts.114590030.xml  
ML-HRTransFocalHRE.114000073.xml  
ML-StoredValueCards.114000125.xml  
ML-StoredValueCards.114000126.xml  
ML-StructuringAvoidReportThreshold.116000062.xml  
ML-CIBPreviousAverageActivity.116000084.xml  
ML-DPGTotalActivity.115690004.xml  
ML-PolicieswithRefunds-dNSR.114690107.xml  
ML-HRTransHRGeography.118860022.xml  
ML-StructuringAvoidReportThreshold.118860028.xml  
ML-StructuringAvoidReportThreshold.118860029.xml  
ML-CashTransPossibleCTR.116000037.xml  
ML-EarlyPOCreditProducts.115400010.xml  
ML-EarlyPOCreditProducts.115400011.xml  
ML-EarlyRemoval-dNSR.114690106.xml  
ML-RoutingMultiLocations.118860012.xml (Before loading and executing the scenario, add it to the scnro.cfg file)  
ML-CIBProductUtilization.116000069.xml  
ML-CIBPreviousAverageActivity.118860023.xml  
ML-CIBForeignActivity.116000053.xml  
ML-AnticipateProfileExpectedActivity.116000107.xml  
ML-ChkMIRecurringReBeKnown.116000074.xml  
ML-ExtMatchedNames.114590002.xml  
ML-ExtMatchedNames.114590003.xml  
ML-LargeReportableTrans.116000060.xml  
ML-CIBHRGActivity.116000087.xml  
ML-AnomATMBCStructuredCash.116000056.xml  
ML-StructuringAvoidReportThreshold.118860030.xml  
ML-AnomATMBCExcessiveWD.116000065.xml  
ML-PotStructuringCashAndEquiv.118860031.xml  
ML-TerroristFinancing.118860004.xml  
ML-ChkMISequentialNumber.118860034.xml  
ML-ChkMISequentialNumber.118860035.xml  
ML-HRTransHRCounterParty.114000083.xml

IML-MvmtFundsWoTrade-dINST.114000020.xml  
TBML-CIBHighRiskCountryShift.118860011.xml

## A.3.3 Upgrade from OFS BD 8.1.2.2.0 to OFS BD 8.1.2.11.0

This section lists the required scenarios while upgrading from OFS BD 8.1.2.2.0 to OFS BD 8.1.2.11.0.

In case of upgrade from OFS BD 8.1.2.2.0 to OFS BD 8.1.2.11.0, load the following scenarios:

ML-LgDeprecAcctValue.115200003.xml  
ML-RapidMvmtFundsAllActivity.116000079.xml  
ML-TerroristFinancing.114000122.xml  
ML-TerroristFinancing.114000123.xml  
ML-AnomATMBCForeignTrans.116000055.xml  
ML-HRTransFocalHRE.114000060.xml  
ML-HubAndSpoke.118860014.xml  
ML-DPGTotalActivity.114697019.xml  
ML-AnticipateProfileSOF.116000059.xml  
ML-EnWithMultId-fEN.115000004.xml  
ML-RoundAmounts.114590030.xml  
ML-HRTransFocalHRE.114000073.xml  
ML-StoredValueCards.114000125.xml  
ML-StoredValueCards.114000126.xml  
ML-StructuringAvoidReportThreshold.116000062.xml  
ML-CIBPreviousAverageActivity.116000084.xml  
ML-DPGTotalActivity.115690004.xml  
ML-PolicieswithRefunds-dNSR.114690107.xml  
ML-HRTransHRGeography.115000049.xml  
ML-HRTransHRGeography.118860022.xml  
ML-StructuringAvoidReportThreshold.118860028.xml  
ML-StructuringAvoidReportThreshold.118860029.xml  
ML-CashTransPossibleCTR.116000037.xml  
ML-EarlyPOCreditProducts.115400010.xml  
ML-EarlyPOCreditProducts.115400011.xml  
ML-FTNCuEnExternal.114000078.xml  
ML-EarlyRemoval-dNSR.114690106.xml  
ML-RoutingMultiLocations.118860012.xml (Before loading and executing the scenario, add it to the scnro.cfg file)  
ML-HubAndSpoke.118860005.xml  
ML-CIBProductUtilization.116000069.xml  
ML-CIBForeignActivity.116000053.xml  
ML-AnticipateProfileExpectedActivity.116000107.xml  
ML-ExtMatchedNames.114590002.xml  
ML-ExtMatchedNames.114590003.xml  
ML-LargeReportableTrans.116000060.xml  
ML-CIBHRGActivity.116000087.xml  
ML-AnomATMBCStructuredCash.116000056.xml  
ML-AnomATMBCExcessiveWD.116000065.xml  
ML-PotStructuringCashAndEquiv.118860031.xml  
ML-AnticipateProfileIncome.116000090.xml  
ML-CIBHRGActivity.116000087.xml  
ML-ChkMIRecurringReBeKnown.116000074.xml  
ML-ChkMISequentialNumber.118860034.xml  
ML-ChkMISequentialNumber.118860035.xml

ML-FTNRecurringOrBe.114000082.xml  
ML-HRTransHRCounterParty.114000083.xml  
ML-StructuringAvoidReportThreshold.118860030.xml  
IML-MvmtFundsWoTrade-dINST.114000020.xml  
ML-TerroristFinancing.118860004.xml  
ML-RapidMvmtFundsAllActivity.116000080.xml  
ML-CIBPreviousAverageActivity.118860023.xml  
ML-AnomATMBCForeignTrans.116000054.xml  
TBML-CIBHighRiskCountryShift.118860011.xml  
ML-EnWithMultAd-fEN.115000005.xml  
ML-HRTransHRGeography.115000052.xml  
IML-DataManipulation-dINST.114000059.xml  
IML-ICIBInactiveToActive-dINST.116100001.xml

## A.3.4 Upgrade from OFS BD 8.1.2.3.0 to OFS BD 8.1.2.11.0

This section lists the required scenarios while upgrading from OFS BD 8.1.2.3.0 to OFS BD 8.1.2.11.0.

In case of upgrade from OFS BD 8.1.2.3.0 to OFS BD 8.1.2.11.0, load the following scenarios:

ML-StructuringAvoidReportThreshold.116000062.xml  
ML-CIBPreviousAverageActivity.116000084.xml  
ML-DPGTotalActivity.115690004.xml  
ML-PolicieswithRefunds-dNSR.114690107.xml  
ML-HRTransHRGeography.115000049.xml  
ML-HRTransHRGeography.118860022.xml  
ML-HubAndSpoke.118860014.xml  
ML-StructuringAvoidReportThreshold.118860028.xml  
ML-StructuringAvoidReportThreshold.118860029.xml  
ML-CashTransPossibleCTR.116000037.xml  
ML-EarlyPOCreditProducts.115400010.xml  
ML-EarlyPOCreditProducts.115400011.xml  
ML-FTNCuEnExternal.114000078.xml  
ML-RoundAmounts.114590030.xml  
ML-EarlyRemoval-dNSR.114690106.xml  
ML-RoutingMultiLocations.118860012.xml (Before loading and executing the scenario, add it to the scnro.cfg file)  
ML-HubAndSpoke.118860005.xml  
ML-CIBProductUtilization.116000069.xml  
ML-CIBPreviousAverageActivity.118860023.xml  
ML-CIBForeignActivity.116000053.xml  
ML-AnticipateProfileExpectedActivity.116000107.xml  
ML-AnticipateProfileSOF.116000059.xml  
ML-ChkMIRecurringReBeKnown.116000074.xml  
ML-ExtMatchedNames.114590002.xml  
ML-ExtMatchedNames.114590003.xml  
ML-LargeReportableTrans.116000060.xml  
ML-CIBHRGActivity.116000087.xml  
ML-AnomATMBCStructuredCash.116000056.xml  
ML-EnWithMultId-fEN.115000004.xml  
ML-StructuringAvoidReportThreshold.118860030.xml  
ML-AnomATMBCExcessiveWD.116000065.xml  
ML-PotStructuringCashAndEquiv.118860031.xml  
ML-TerroristFinancing.118860004.xml

ML-AnticipateProfileIncome.116000090.xml  
ML-ChkMISequentialNumber.118860034.xml  
ML-ChkMISequentialNumber.118860035.xml  
ML-FTNRecurringOrBe.114000082.xml  
ML-HRTransHRCounterParty.114000083.xml  
ML-RapidMvmtFundsAllActivity.116000079.xml  
ML-LgDeprecAcctValue.115200003.xml  
IML-MvmtFundsWoTrade-dINST.114000020.xml  
ML-RapidMvmtFundsAllActivity.116000080.xml  
ML-AnomATMBCForeignTrans.116000054.xml  
TBML-CIBHighRiskCountryShift.118860011.xml  
ML-EnWithMultAd-fEN.115000005.xml  
ML-HRTransHRGeography.115000052.xml  
IML-DataManipulation-dINST.114000059.xml  
IML-ICIBInactiveToActive-dINST.116100001.xml

## A.3.5 Upgrade from OFS BD 8.1.2.4.0 to OFS BD 8.1.2.11.0

This section lists the required scenarios while upgrading from OFS BD 8.1.2.4.0 to OFS BD 8.1.2.11.0.

In case of upgrade from OFS BD 8.1.2.4.0 to OFS BD 8.1.2.11.0, load the following scenarios:

ML-HRTransHRGeography.115000049.xml  
ML-StructuringAvoidReportThreshold.118860028.xml  
ML-StructuringAvoidReportThreshold.118860029.xml  
ML-CashTransPossibleCTR.116000037.xml  
ML-HubAndSpoke.118860014.xml  
ML-EarlyPOCreditProducts.115400010.xml  
ML-EarlyPOCreditProducts.115400011.xml  
ML-RoundAmounts.114590030.xml  
ML-EarlyRemoval-dNSR.114690106.xml  
ML-RoutingMultiLocations.118860012.xml (Before loading and executing the scenario, add it to the scnro.cfg file)  
ML-HubAndSpoke.118860005.xml  
ML-CIBProductUtilization.116000069.xml  
ML-CIBForeignActivity.116000053.xml  
ML-AnticipateProfileExpectedActivity.116000107.xml  
ML-AnticipateProfileSOF.116000059.xml  
ML-ChkMIRecurringReBeKnown.116000074.xml  
ML-ExtMatchedNames.114590002.xml  
ML-ExtMatchedNames.114590003.xml  
ML-LargeReportableTrans.116000060.xml  
ML-CIBHRGActivity.116000087.xml  
ML-AnomATMBCStructuredCash.116000056.xml  
ML-EnWithMultId-fEN.115000004.xml  
ML-StructuringAvoidReportThreshold.118860030.xml  
ML-AnomATMBCExcessiveWD.116000065.xml  
ML-PotStructuringCashAndEquiv.118860031.xml  
ML-AnticipateProfileIncome.116000090.xml  
ML-ChkMISequentialNumber.118860034.xml  
ML-ChkMISequentialNumber.118860035.xml  
ML-FTNCuEnExternal.114000078.xml  
ML-FTNRecurringOrBe.114000082.xml  
ML-HRTransHRCounterParty.114000083.xml

ML-HRTransHRGeography.118860022.xml  
ML-LgDeprecAcctValue.115200003.xml  
IML-MvmtFundsWoTrade-dINST.114000020.xml  
ML-TerroristFinancing.118860004.xml  
ML-RapidMvmtFundsAllActivity.116000080.xml  
ML-CIBPreviousAverageActivity.118860023.xml  
ML-RapidMvmtFundsAllActivity.116000079.xml  
ML-AnomATMBCForeignTrans.116000054.xml  
TBML-CIBHighRiskCountryShift.118860011.xml  
ML-EnWithMultAd-fEN.115000005.xml  
ML-HRTransHRGeography.115000052.xml  
IML-DataManipulation-dINST.114000059.xml  
IML-ICIBInactiveToActive-dINST.116100001.xml

## A.3.6 Upgrade from OFS BD 8.1.2.5.0 to OFS BD 8.1.2.11.0

This section lists the required scenarios while upgrading from OFS BD 8.1.2.5.0 to OFS BD 8.1.2.11.0.

In case of upgrade from OFS BD 8.1.2.5.0 to OFS BD 8.1.2.11.0, load the following scenarios:

ML-EarlyPOCreditProducts.115400011.xml  
ML-HubAndSpoke.118860005.xml  
ML-CIBProductUtilization.116000069.xml  
ML-CIBForeignActivity.116000053.xml  
ML-AnticipateProfileExpectedActivity.116000107.xml  
ML-AnticipateProfileSOF.116000059.xml  
ML-ChkMIRecurringReBeKnown.116000074.xml  
ML-ExtMatchedNames.114590002.xml  
ML-ExtMatchedNames.114590003.xml  
ML-LargeReportableTrans.116000060.xml  
ML-CIBHRGActivity.116000087.xml  
ML-AnomATMBCStructuredCash.116000056.xml  
ML-EnWithMultId-fEN.115000004.xml  
ML-StructuringAvoidReportThreshold.118860030.xml  
ML-AnomATMBCExcessiveWD.116000065.xml  
ML-PotStructuringCashAndEquiv.118860031.xml  
ML-AnticipateProfileIncome.116000090.xml  
ML-ChkMISequentialNumber.118860034.xml  
ML-ChkMISequentialNumber.118860035.xml  
ML-FTNCuEnExternal.114000078.xml  
ML-FTNRecurringOrBe.114000082.xml  
ML-HRTransHRCounterParty.114000083.xml  
ML-HRTransHRGeography.118860022.xml  
ML-HubAndSpoke.118860014.xml  
ML-LgDeprecAcctValue.115200003.xml  
IML-MvmtFundsWoTrade-dINST.114000020.xml  
ML-TerroristFinancing.118860004.xml  
ML-RapidMvmtFundsAllActivity.116000080.xml  
ML-CIBPreviousAverageActivity.118860023.xml  
ML-RapidMvmtFundsAllActivity.116000079.xml  
ML-AnomATMBCForeignTrans.116000054.xml  
TBML-CIBHighRiskCountryShift.118860011.xml  
ML-EnWithMultAd-fEN.115000005.xml  
ML-HRTransHRGeography.115000052.xml

IML-DataManipulation-dINST.114000059.xml  
IML-ICIBInactiveToActive-dINST.116100001.xml

## A.3.7 Upgrade from OFS BD 8.1.2.6.0 to OFS BD 8.1.2.11.0

This section lists the required scenarios while upgrading from OFS BD 8.1.2.6.0 to OFS BD 8.1.2.11.0.

In case of upgrade from OFS BD 8.1.2.6.0 to OFS BD 8.1.2.11.0, load the following scenarios:

ML-AnomATMBCExcessiveWD.116000065.xml  
ML-PotStructuringCashAndEquiv.118860031.xml  
ML-TerroristFinancing.118860004.xml  
ML-AnticipateProfileIncome.116000090.xml  
ML-CIBHRGActivity.116000087.xml  
ML-CIBProductUtilization.116000069.xml  
ML-ChkMIRecurringReBeKnown.116000074.xml  
ML-ChkMISequentialNumber.118860034.xml  
ML-ChkMISequentialNumber.118860035.xml  
ML-EarlyPOCreditProducts.115400011.xml  
ML-FTNCuEnExternal.114000078.xml  
ML-FTNRecurringOrBe.114000082.xml  
ML-HRTransHRCounterParty.114000083.xml  
ML-HRTransHRGeography.118860022.xml  
ML-HubAndSpoke.118860005.xml  
ML-HubAndSpoke.118860014.xml  
ML-RapidMvmtFundsAllActivity.116000079.xml  
ML-StructuringAvoidReportThreshold.118860030.xml  
ML-LgDeprecAcctValue.115200003.xml  
IML-MvmtFundsWoTrade-dINST.114000020.xml  
ML-RapidMvmtFundsAllActivity.116000080.xml  
ML-CIBPreviousAverageActivity.118860023.xml  
ML-AnomATMBCForeignTrans.116000054.xml  
TBML-CIBHighRiskCountryShift.118860011.xml  
ML-EnWithMultAd-fEN.115000005.xml  
ML-HRTransHRGeography.115000052.xml  
IML-DataManipulation-dINST.114000059.xml  
IML-ICIBInactiveToActive-dINST.116100001.xml

## A.3.8 Upgrade from OFS BD 8.1.2.7.0 to OFS BD 8.1.2.11.0

This section lists the required scenarios while upgrading from OFS BD 8.1.2.7.0 to OFS BD 8.1.2.11.0.

In case of upgrade from OFS BD 8.1.2.7.0 to OFS BD 8.1.2.11.0, load the following scenarios:

ML-AnticipateProfileIncome.116000090.xml  
ML-CIBHRGActivity.116000087.xml  
ML-CIBProductUtilization.116000069.xml  
ML-ChkMIRecurringReBeKnown.116000074.xml  
ML-ChkMISequentialNumber.118860034.xml  
ML-ChkMISequentialNumber.118860035.xml  
ML-EarlyPOCreditProducts.115400011.xml  
ML-FTNCuEnExternal.114000078.xml

ML-FTNRecurringOrBe.114000082.xml  
ML-HRTransHRCounterParty.114000083.xml  
ML-HRTransHRGeography.118860022.xml  
ML-HubAndSpoke.118860005.xml  
ML-HubAndSpoke.118860014.xml  
ML-RapidMvmtFundsAllActivity.116000079.xml  
ML-StructuringAvoidReportThreshold.118860030.xml  
ML-LgDeprecAcctValue.115200003.xml  
IML-MvmtFundsWoTrade-dINST.114000020.xml  
ML-TerroristFinancing.118860004.xml  
ML-RapidMvmtFundsAllActivity.116000080.xml  
ML-CIBPreviousAverageActivity.118860023.xml  
ML-AnomATMBCForeignTrans.116000054.xml  
TBML-CIBHighRiskCountryShift.118860011.xml  
ML-EnWithMultAd-fEN.115000005.xml  
ML-HRTransHRGeography.115000052.xml  
IML-DataManipulation-dINST.114000059.xml  
IML-ICIBInactiveToActive-dINST.116100001.xml

## A.3.9 Upgrade from OFS BD 8.1.2.8.0 to OFS BD 8.1.2.11.0

This section lists the required scenarios while upgrading from OFS BD 8.1.2.8.0 to OFS BD 8.1.2.11.0.

In case of upgrade from OFS BD 8.1.2.8.0 to OFS BD 8.1.2.11.0, load the following scenarios:

ML-AnomATMBCForeignTrans.116000054.xml  
ML-AnticipateProfileIncome.116000090.xml  
ML-HRTransHRGeography.115000049.xml  
ML-StructuringAvoidReportThreshold.116000063.xml  
ML-CashTransPossibleCTR.116000073.xml  
ML-LargeReportableTrans.115400007.xml  
ML-StructuringDepWDMixedMIs.118860016.xml  
ML-HubAndSpoke.118860014.xml  
ML-HubAndSpoke.118860005.xml  
ML-FTNCuEnExternal.114000078.xml  
ML-FTNRecurringOrBe.114000082.xml  
ML-TerroristFinancing.114000122.xml  
ML-TerroristFinancing.114000123.xml  
ML-AnomATMBCForeignTrans.116000055.xml  
ML-HRTransFocalHRE.114000060.xml  
ML-CIBPreviousAverageActivity.116000083.xml  
ML-CIBPreviousPeakActivity.118860024.xml  
ML-DepWDSameAmts.118860020.xml  
ML-EarlyPOCreditProducts.115400010.xml  
ML-EarlyPOCreditProducts.115400011.xml  
ML-HRTransHRGeography.118860022.xml  
ML-RoutingMultiLocations.118860012.xml  
ML-DPGTotalActivity.114697019.xml  
ML-AnticipateProfileSOF.116000059.xml  
ML-EnWithMultId-fEN.115000004.xml  
ML-HRTransFocalHRE.114000073.xml  
ML-RoundAmounts.114590030.xml  
ML-StoredValueCards.114000125.xml  
ML-StoredValueCards.114000126.xml

ML-StructuringAvoidReportThreshold.116000062.xml  
ML-CIBPreviousAverageActivity.116000084.xml  
ML-DPGTotalActivity.115690004.xml  
ML-PolicieswithRefunds-dNSR.114690107.xml  
ML-StructuringAvoidReportThreshold.118860028.xml  
ML-StructuringAvoidReportThreshold.118860029.xml  
ML-CashTransPossibleCTR.116000037.xml  
ML-EarlyRemoval-dNSR.114690106.xml  
ML-AnticipateProfileExpectedActivity.116000107.xml  
ML-StructuringAvoidReportThreshold.118860030.xml  
ML-AnomATMBCStructuredCash.116000056.xml  
ML-CIBHRGActivity.116000087.xml  
ML-ChkMIRecurringReBeKnown.116000074.xml  
ML-ExtMatchedNames.114590002.xml  
ML-ExtMatchedNames.114590003.xml  
ML-LargeReportableTrans.116000060.xml  
ML-PotStructuringCashAndEquiv.118860031.xml  
ML-HRTransHRCounterParty.114000083.xml  
ML-NetworksOfAcEn.114697025.xml  
ML-AnomATMBCStructuredCash.116000057.xml  
ML-LgDeprecAcctValue.115200003.xml  
IML-MvmtFundsWoTrade-dINST.114000020.xml  
ML-TerroristFinancing.118860004.xml  
ML-RapidMvmtFundsAllActivity.116000080.xml  
ML-CIBPreviousAverageActivity.118860023.xml  
ML-RapidMvmtFundsAllActivity.116000079.xml  
TBML-CIBHighRiskCountryShift.118860011.xml  
ML-EnWithMultAd-fEN.115000005.xml  
ML-HRTransHRGeography.115000052.xml  
IML-DataManipulation-dINST.114000059.xml  
IML-ICIBInactiveToActive-dINST.116100001.xml

## A.3.10 Upgrade from OFS BD 8.1.2.9.0 to OFS BD 8.1.2.11.0

This section lists the required scenarios while upgrading from OFS BD 8.1.2.9.0 to OFS BD 8.1.2.11.0.

In case of upgrade from OFS BD 8.1.2.9.0 to OFS BD 8.1.2.11.0, load the following scenarios:

ML-LgDeprecAcctValue.115200003.xml  
IML-MvmtFundsWoTrade-dINST.114000020.xml  
ML-TerroristFinancing.118860004.xml  
ML-RapidMvmtFundsAllActivity.116000079.xml  
ML-RapidMvmtFundsAllActivity.116000080.xml  
ML-CIBPreviousAverageActivity.118860023.xml  
ML-AnomATMBCForeignTrans.116000054.xml  
TBML-CIBHighRiskCountryShift.118860011.xml  
ML-EnWithMultAd-fEN.115000005.xml  
ML-HRTransHRGeography.115000052.xml  
IML-DataManipulation-dINST.114000059.xml  
IML-ICIBInactiveToActive-dINST.116100001.xml

## A.3.11 Upgrade from OFS BD 8.1.2.10.0 to OFS BD 8.1.2.11.0

This section lists the required scenarios while upgrading from OFS BD 8.1.2.10.0 to OFS BD 8.1.2.11.0.

In case of upgrade from OFS BD 8.1.2.10.0 to OFS BD 8.1.2.11.0, load the following scenarios:

ML-AnomATMBCForeignTrans.116000054.xml  
ML-AnticipateProfileIncome.116000090.xml  
ML-HRTransHRGeography.115000049.xml  
ML-RapidMvmtFundsAllActivity.116000080.xml  
ML-StructuringAvoidReportThreshold.116000063.xml  
ML-CashTransPossibleCTR.116000073.xml  
ML-LargeReportableTrans.115400007.xml  
ML-StructuringDepWDMixedMIs.118860016.xml  
ML-HubAndSpoke.118860014.xml  
ML-HubAndSpoke.118860005.xml  
ML-FTNCuEnExternal.114000078.xml  
ML-FTNRecurringOrBe.114000082.xml  
ML-LgDeprecAcctValue.115200003.xml  
ML-RapidMvmtFundsAllActivity.116000079.xml  
ML-TerroristFinancing.114000122.xml  
ML-TerroristFinancing.114000123.xml  
ML-AnomATMBCForeignTrans.116000055.xml  
ML-HRTransFocalHRE.114000060.xml  
ML-CIBPreviousAverageActivity.116000083.xml  
ML-CIBPreviousAverageActivity.118860023.xml  
ML-CIBPreviousPeakActivity.118860024.xml  
ML-DepWDSameAmts.118860020.xml  
ML-EarlyPOCreditProducts.115400010.xml  
ML-EarlyPOCreditProducts.115400011.xml  
ML-HRTransHRGeography.118860022.xml  
ML-RoutingMultiLocations.118860012.xml  
ML-DPGTotalActivity.114697019.xml  
ML-AnticipateProfileSOF.116000059.xml  
ML-EnWithMultId-fEN.115000004.xml  
ML-HRTransFocalHRE.114000073.xml  
ML-RoundAmounts.114590030.xml  
ML-StoredValueCards.114000125.xml  
ML-StoredValueCards.114000126.xml  
ML-StructuringAvoidReportThreshold.116000062.xml  
ML-CIBPreviousAverageActivity.116000084.xml  
ML-DPGTotalActivity.115690004.xml  
ML-PolicieswithRefunds-dNSR.114690107.xml  
ML-StructuringAvoidReportThreshold.118860028.xml  
ML-StructuringAvoidReportThreshold.118860029.xml  
ML-CashTransPossibleCTR.116000037.xml  
ML-EarlyRemoval-dNSR.114690106.xml  
ML-AnticipateProfileExpectedActivity.116000107.xml  
ML-StructuringAvoidReportThreshold.118860030.xml  
ML-AnomATMBCStructuredCash.116000056.xml  
ML-CIBHRGActivity.116000087.xml  
ML-ChkMIRecurringReBeKnown.116000074.xml

ML-ExtMatchedNames.114590002.xml  
ML-ExtMatchedNames.114590003.xml  
ML-LargeReportableTrans.116000060.xml  
ML-PotStructuringCashAndEquiv.118860031.xml  
ML-TerroristFinancing.118860004.xml  
ML-HRTransHRCounterParty.114000083.xml  
ML-NetworksOfAcEn.114697025.xml  
ML-AnomATMBCStructuredCash.116000057.xml  
IML-MvmtFundsWoTrade-dINST.114000020.xml  
ML-HRTransHRGeography.115000052.xml  
IML-DataManipulation-dINST.114000059.xml  
IML-ICIBInactiveToActive-dINST.116100001.xml  
ML-ChkMISequentialNumber.118860034.xml  
ML-ChkMISequentialNumber.118860035.xml  
ML-EnWithMultAd-fEN.115000005.xml  
ML-HRTransHRGeography.115000052.xml  
IML-DataManipulation-dINST.114000059.xml  
IML-ICIBInactiveToActive-dINST.116100001.xml

# A.4 TBAML Scenarios

This appendix describes the TBAML-specific scenarios that you can load based on your requirement.

**Table 2 TBAML-specific Scenarios**

Scenario ID	Scenario Name
118880002	(TBML/CU) Anticipatory Profile - Expected Goods/ Services
118860006	(TBML/CU) CIB: Commodity Shift
118860008	(TBML/CU) CIB: Significant change in Commodity Price
118860011	(TBML/CU) Change In Behavior: High Risk Country Shift
118860007	(TBML/CU) Change In Behavior: Region Shift
118860003	(TBML/CU) Customer Involved with Parties in High Risk Geography
118860009	(TBML/CU) Deviation from Peer Group - Commodity Price Change
118860010	(TBML/CU) Inconsistent Shipping
118860002	(TBML/CU) Significant Number of Amendments