Oracle Financial Services

Behavior Detection

Installation Guide

Release 8.1.2.4

March 2023

E35447-04

ORACLE

Financial Services

OFS Behavior Detection Installation Guide

Document Control

Table 1 lists the document control.

Table 1: Revision History

Revision Number	Revision Date	Change Log
8.1.2.4.0	March 2023	Captured the Installation and Configuration steps for 8.1.2.4.0 Release.

Table of Contents

1   About This Guide

The Oracle Financial Services Behavior Detection (OFS Behavior Detection) 8.1.2.4.0 Installation Guide provides instructions to install the OFS Behavior Detection 8.1.2.4.0 Maintenance Level (ML) release.

The OFS Behavior Detection 8.1.2.4.0 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.

1.1   How This Guide is Organized

This guide includes the following chapters:

- Pre-Installation Steps & How to Apply This Maintenance Level Release? details the pre-installation requirements and the steps to install this ML release.
- Post-Installation Steps details the post Installation procedure.
- Performance Tuning of Scenarios to enable performance tuning of Scenarios using custom hints.
- JAVA Upgrade describes the procedure to upgrade from JAVA8 to JAVA11.
- APPENDIX A: Files Packed in This Patch describes the Files Packed in this Patch.
- APPENDIX B: OFS BD Version Compatibility List provides compatible versions of OFSAAI, FSDF, and OFS ECM for OFS BD.

1.2 Acronyms

Table 2 lists the Acronyms used in this guide.

Table 2: Acronyms

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

1.3 Conventions

Table 3 lists the conventions used in this document

Table 3: Convention Used in this Guide

Conventions	Meaning
Italics	- Names of books as references - Emphasis - Substitute input values
Bold	- Menu names, field names, options, button names - Commands typed at a prompt - User input
`Monospace`	- Directories and subdirectories - File names and extensions - Process names - Code sample, including keywords and variables within the text and as separate paragraphs, and user-defined program elements within the text
Hyperlink	Hyperlink type indicates links to the external websites and internal document links to sections
Asterisk (*)	Mandatory fields in User Interface
\<Variable\>	Substitute input value

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 #4 8.1.2.4.0.

Topics:

- Pre-Installation Requirements
- How to Apply This Maintenance Level Release?

2.1   Pre-Installation Requirements

This section describes the pre-installation requirements. Refer to the following pre-installation prerequisites:

> **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 BD8124 ML application.
> - OFS Behavior Detection 8.1.2.4.0 uses the BD-AM slice of Oracle FSDF 8.1.2.4.0. Refer to APPENDIX B: OFS BD Version Compatibility List for details on OFS BD Version compatibility with OFSAAI, FSDF, and OFS ECM.

1. Download the OFS Behavior Detection 8.1.2.4.0 archive file from My Oracle Support by searching for Patch ID 34913083 under the Patches & Updates tab. Also, ensure that the mandatory patches mentioned in the Pre-installation Requirements section of the Oracle Financial Services Behavior Detection Release 8.1.2.4.0 Readme are applied before installation.

2. Install OFSBD 8.1.2.0.0 before applying 8.1.2.4.0.

> **NOTE**   Ignore this step if OFS BD 8.1.2.1.0, OFS BD 8.1.2.2.0, or OFS BD 8.1.2.3.0 is already installed.

3. Apply patch for Bug 34572960. This is the OFSAAI 8.1.2.0.0 RELEASE #2 (8.1.2.2.0)

4. Apply patch for Bug 34943394. This is the patch with consolidated fixes for issues in OJET and QTNR on OFSAAI 8.1.2.0.0 RELEASE #2 (8.1.2.2.0)

2.1.1 PatchConfig.xml

Table 4 lists he Placeholder Values in the PatchConfig.xml File.

Table 4: 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 OFS_BD_ SCHEMA_OUTPUT.xml, which was generated at the time of installation. For example: <BD812_Installer>/ OFS_BD_PACK/schema_creator/OFS_BD_SCHEMA_OUTPUT.xml.
##BIG_DATA_ENABLE##	Placeholder to enable Big Data. Enter FALSE.
##SCORING_PROTOCOL_SERVER_PORT##	This is the URL of the RAOR application till the port number. For example, <PROTOCOL://HOSTNAME:WEB_SERVER_PORT>
#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.
##EXECUTE_PRE_AND_POST_SCRIPTS##	This attribute is used to execute pre and post-scripts during installation. If you provide the following: • Value = 1: executes the pre and post-scripts. • Value = 0, skips the pre and post-scripts. In BD 8.1.2.4, 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, follow these steps:

> **NOTE**
>
> If the OFS Behavior Detection 8.1.2.4.0 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 8.1.2.4.0 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 make sure that $FIC_HOME corresponds to the proper environment where the patch application is required.

3. Download and copy 34913083_LINUX.zip/34913083_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 34913083_LINUX.zip/34913083_SOLARIS_SPARC.zip`

   Below are the contents of the folder when the folder is unzipped:

   ■ PatchConfig.xml

   ■ install.sh

   ■ Setup.bin

   ■ validateXMLInputs.jar

   ■ Readme_OFSBD_8.1.2.4.0.txt

   ■ BD_FSDM_DataModel.xml

   ■ KYC_DataModel.xml

   ■ FSDF_DataModel.xml

   ■ BD_EXTN.xml

NOTE	<USER_PATCH_DIR> is the directory containing the <patch>.zip file. The above "-a" option is mandatory to unzip the patch. In case of error message "unzip: not found [No such file or directory]" is observed when the package is not installed, contact your UNIX administrator to resolve this issue.

5. Navigate to <USER_PATCH_DIR>/34913083/bin and grant execute (755) permission for all executables: `$ chmod 755 *`.

6. Navigate to <USER_PATCH_DIR>/34913083/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.

NOTE	As part of pre-scripts, back up tables with the naming convention <TABLE_NAME>_8124_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>/34913083/logs.

> **NOTE**   Contact My Oracle Support in case of any errors.

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

> **NOTE**   If gnu bin directory is different replace /usr/gnu/bin with the correct directory path.

10. Once the patch is applied successfully, navigate to FIC_HOME and execute the file *BD_Duplicate_Jar_Removal_8124ML.sh*.

11. Comment the below entries in $FIC_HOME/ficweb/webroot/WEB-INF/web.xml. Ignore entries that are not present.

```
<servlet>

<servlet-name>RealTimeFraudCronJobServlet</servlet-name>

<servlet-class>com.ofss.fccm.fraud.service.RealTimeFraudCronJobServlet</servlet-class>

<load-on-startup>5</load-on-startup>

</servlet>

<servlet>

<servlet-name>RealTimeCardFraudJSONMappingServlet</servlet-name>

<servlet-class>com.ofss.fccm.fraud.card.service.RealTimeCardFraudJSONMappingServlet</servlet-class>

<load-on-startup>5</load-on-startup>

</servlet>

<servlet>

<servlet-name>RealTimeFraudInitialServlet</servlet-name>

<servlet-class>com.ofss.fccm.fraud.service.RealTimeFraudInitialServlet</servlet-class>

<load-on-startup>5</load-on-startup>

</servlet>
```

12. Check the DB builder logs for successful execution of mantas8.1.2.4.0_delta.cfg and delta_plat8.1.2.4.0.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/mantas8.1.2.4.0_delta.cfg
```

This will prompt for Atomic user name and password. Provide the same. 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_plat8.1.2.4.0.cfg
```

Provide the Atomic user name and password when prompted.

13. Replace the parameter @ORION_DB_DBTOOLS_PATH@ with $FIC_HOME/database/db_tools in the file: *$FIC_HOME/database/db_tools/log4j2.xml.*

NOTE	When replacing the param $FIC_HOME, provide the complete FICHOME path in the app server.

14. 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.

   ▪ OFSAAI

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.*

15. Restart OFSAAI services.

3   Post-Installation Steps

This chapter describes the post-installation steps.

Topics:

3.1   OFS Know Your Customer (KYC)

If OFS KYC is installed, follow these steps:

1. Navigate to $FIC_HOME/ficapp/common/FICServer/bin and execute the following executables after replacing the INFODOM placeholder.

   - ```
     ./RTIImport.sh $FIC_HOME/IPE/KYC/
     OFS_KYC_RTIExport_ModelBasedAssessment.xml ##AMINFODOM## OFS_KYC
     false
     ```

   - ```
     ./RTIImport.sh $FIC_HOME/IPE/KYC/
     OFS_KYC_RTIExport_RuleBasedAssessment.xml ##AMINFODOM## OFS_KYC false
     ```

2. *Perform this step only if Oracle Financial Services Compliance Studio is 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_RTIExport_AcceleratedRereview_WithAomalyDetectionML.xml
   ##AMINFODOM## OFS_KYC false
   ```

3. Execute the following utility to synchronize data in SMS tables:

   - Go to `$FIC_HOME/utility/AppPckMastSynch/bin`

   - Open putty session and run below commands one by one:

     - `Export PackName=OFS_BD_PACK`

     - `./AppPckMastSynch.sh`

4. 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.

   - JSONToTablePersistenceUtility

   - TabletoJSONService

   - InitiateOnboardingService

- 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.*

5. If RAOR deployment is required, navigate to FIC_HOME/raor_processing and run `./ant.sh`. Deploy the RAOR war.

6. Execute the following post installation scripts.

   a. If KYC and ECM are in the same DB, execute the following scripts:

   i. create or replace synonym FCC_PARTY_PARTY_RLSHP_LOOKUP_ECM for &&case_schema_owner..FCC_PARTY_PARTY_RLSHP_LOOKUP;

   ii. create or replace synonym FCC_PARTY_PARTY_RLSHP_ECM for &&case_schema_owner..FCC_PARTY_PARTY_RLSHP;

   iii. create or replace synonym FCC_PARTY_PARTY_RLSHP_EVNT_ECM for &&case_schema_owner..FCC_PARTY_PARTY_RLSHP_EVNT;

   iv. create or replace synonym CM_BD_PARTY_PARTY_RLSHP_SKEY_ECM for &&case_schema_owner..CM_BD_PARTY_PARTY_RLSHP_SKEY;

   v. create or replace synonym kdd_case_party_party_rlshp_ECM for &&case_schema_owner..kdd_case_party_party_rlshp;

   vi. create or replace synonym FCC_CASE_PRIORITY_ECM for &&case_schema_owner..FCC_CASE_PRIORITY;

   b. If KYC and ECM are in different DB, execute the following scripts:

   i. create or replace synonym FCC_PARTY_PARTY_RLSHP_LOOKUP_ECM for FCC_PARTY_PARTY_RLSHP_LOOKUP@AMDBLINK;

   ii. create or replace synonym FCC_PARTY_PARTY_RLSHP_ECM for FCC_PARTY_PARTY_RLSHP@AMDBLINK;

   iii. create or replace synonym FCC_PARTY_PARTY_RLSHP_EVNT_ECM for FCC_PARTY_PARTY_RLSHP_EVNT@AMDBLINK;

   iv. create or replace synonym CM_BD_PARTY_PARTY_RLSHP_SKEY_ECM for CM_BD_PARTY_PARTY_RLSHP_SKEY@AMDBLINK;

   v. create or replace synonym kdd_case_party_party_rlshp_ECM for kdd_case_party_party_rlshp@AMDBLINK;

   vi. create or replace synonym FCC_CASE_PRIORITY_ECM for FCC_CASE_PRIORITY@AMDBLINK;

7. Replace `##atomicSChemaUserName##` variable with the atomic schema user name and execute the following script in config schema:

   a. `GRANT SELECT ON AAI_WF_APPLICATION_API_B TO ##atomicSChemaUserName##`

   b. `Replace ##configSChemaUserName## variable with the config schema user name and execute the following script in atomic schema:`

   — `CREATE OR REPLACE EDITIONABLE SYNONYM AAI_WF_APPLICATION_API_B FOR ##configSChemaUserName##.AAI_WF_APPLICATION_API_B`

8. Followthese steps to add a new task in KYC daily batch.

a. Navigate to the path as an Admin user: Common Tasks > Rule Run Framework > Process.

b. Select IPEPopulateIP from the table list and click the Edit option.

c. Click on 'Component' in the new window.

d. Expand 'Transformation Rules' from the Available Components.

e. Click on 'Database Functions-Transformations' and expand it.

f. Move 'POPULATE_CUST_PROCESSING_IP' to the right into Tasks in ROOT.

g. In the right box, move the new task 'POPULATE_CUST_PROCESSING_IP' after POPULATE_IP_KYC.

h. Click on OK.

i. Click on 'Precedence'

j. Select 'POPULATE_CUST_PROCESSING_IP' from the drop down.

k. Select 'POPULATE_IP_KYC' in the Available Precedence object and move it to the right.

l. Click on OK and Save.

9. To add a new task in the KYC DI batch, follow these steps:

- Navigate to the path as an Admin user: Common Tasks > Rule Run Framework > Process.

- Select 'KYC_DI_Interested_Party' from the table list and click the 'Edit' option.

- Click on 'Component' in the new window.

- Expand 'Transformation Rules' from the Available Components.

- Click on 'Database Functions-Transformations' and expand it.

- Move 'POPULATE_CUST_PROCESSING_IP' to the right into Tasks in ROOT.

- In the right box, move the new task 'POPULATE_CUST_PROCESSING_IP' after POPULATE_IP_KYC.

- Click on OK.

- Click on 'Precedence'.

- Select 'POPULATE_CUST_PROCESSING_IP' from the drop down.

- Select 'POPULATE_IP_KYC' in the Available Precedence object and move it to the right and click on OK.

- Click Save.

10. Insert data into the table backup was taken in the pre installation steps and drop the backup table.

3.2   OFS Anti-Money Laundering (AML)

If OFS AML is installed, follow these steps:

1. Delete the list of class files inside the *$FIC_HOME/bdf/classes* directory.

2. Load scenarios in the Database from the /FIC_HOME/Database/db_tools/bin with sm_load.sh utility.

> **NOTE**   Contact My Oracle Support in case of any errors.

The following scenarios are provided in the patch:

- In case of Upgrade from OFS BD 8.1.2.0.0 to OFS BD 8.1.2.4.0, load the following scenarios:
    - 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-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-RoutingMultiLocations.118860012.xml (Before loading and executing the scenario, add it to the scnro.cfg file)
- In case of Upgrade from OFS BD 8.1.2.1.0 to OFS BD 8.1.2.4.0, load the foloowing scenarios:
  - — 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-RoutingMultiLocations.118860012.xml (Before loading and executing the scenario, add it to the scnro.cfg file)

- In case of Upgrade from OFS BD 8.1.2.2.0 to OFS BD 8.1.2.4.0, 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-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-RoutingMultiLocations.118860012.xml (Before loading and executing the scenario, add it to the scnro.cfg file)

- In case of Upgrade from OFS BD 8.1.2.3.0 to OFS BD 8.1.2.4.0, load the following scenarios:
    — ML-StructuringAvoidReportThreshold.116000062.xml
    — ML-CIBPreviousAverageActivity.116000084.xml
    — ML-DPGTotalActivity.115690004.xml
    — ML-PolicieswithRefunds-dNSR.114690107.xml
    — ML-RoutingMultiLocations.118860012.xml (Before loading and executing the scenario, add it to the scnro.cfg file)

3. Steps to execute DQ scripts in different FSDF infodom are as follows:

    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 FSDFSEGENT*.

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`

3.3 OFS Real Time Fraud (RTF)

If OFS RTF is installed, follow these steps:

1. Redeploy the war files - RTFWIRE.ear and RTFCARD.ear.

NOTE	RTF CARD and WIRE are not supported on Tomcat in OFS BD 8124 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. Performe this step only once. During reinstallation, skip this step.

— Execute the command from SYS DB: `GRANT CREATE JOB TO $ATOMIC_SCHEMA`.

NOTE	$ATOMIC_SCHEMA is a place holder. Replace this with DB Atomic user name.

— In Real Time Fraud PMF Migration.sql (MOS link), replace all $ATOMIC_SCHEMA with the 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 below from the Migration.sql file. This step has to 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 stepsize). 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 LINUSX 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'
    ```

3.4   Configuring JIT

Refer to the following Post Installation steps for configuring JIT:

> **NOTE**   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 need to be synced through JIT.

1. Login as SYSADMN and update the System Configuration Details:
   - Select Authentication Type as LDAP Authentication and SMS Authorization.
   - Click on Add and provide your LDAP Server Details and save.
   - 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 below 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 UserGroups and Users mappings should 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.

    ▪ V_GROUP_CD column need to be populated with the User groups mapped to User.

    ▪ For OFSBD , valid values for V_SEC_ATTR_CD column are JRSDCN,ORG,BUSDMN,CORR_ID,SCNRO_GRP_ID

    ▪ 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

    ▪ V_GROUP_CD column must be populated with the LORG group created

    ▪ For OFS BD , valid values for V_SEC_ATTR_CD column are JRSDCN,ORG,BUSDMN,CORR_ID,SCNRO_GRP_ID

    ▪ 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 tables respectively.

6. Additional User Attributes:

    ▪ 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.

    ▪ Reporting/Line Organization: Create a User group with Prefix as ORG_CD (form 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. Login with the New User in the Application and observe that the Security attributes mapping is done.

8. If User group mapping doesn't have any change and there are only Security attribute mapping changes to be done, then login with 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.

    ▪ For OFSBD, add the BD task FN_FCC_DISABLE_USR to it.

    ▪ Edit the Task, Mention the User or User IDs comma separated in the Parameter Section. It needs to 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.

3.5   Configuring Scenario Wizard and Scenario Manager

For details on configuring the Scenario Wizard and Scenario Manager, refer to the Oracle Financial Services Behavior Detection Installation Guide Release 8.1.2.0.0.

3.6   Configuring Watch List Management

The table KDD_PRCSNG_BATCH_JRSDCN_MAP has two columns PRCSNG_BATCH_NM and JRSDCN_CD. This contains mapping between PRCSNG_BATCH_NM and JRSDCN_CD for use by the Watch List Management UI. Ensure relevant data is available in this table. For Example:

```
INSERT INTO KDD_PRCSNG_BATCH_JRSDCN_MAP (PRCSNG_BATCH_NM, JRSDCN_CD)

VALUES ('FR', 'EMEA');

INSERT INTO KDD_PRCSNG_BATCH_JRSDCN_MAP (PRCSNG_BATCH_NM, JRSDCN_CD)

VALUES ('SG', 'APAC');

COMMIT;
```

4   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 Funds Transfers
- 116000079-(ML/CU) Rapid Movement of Funds - All Activity

To configure this feature, follow these steps:

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_Remm1</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_Wi1m1</COLUMN>

   In SQL below 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.

5   JAVA Upgrade

> **NOTE**   1. From BD 8.1.1.1.0 onwards, JAVA11 is supported with the below mentioned web servers,
>
> - Weblogic 14.1.x.x
> - Apache Tomcat 9.0.xx
>
> 2. Existing web servers have to be re-configured/re-installed with JAVA11.

Topics:

- Configuring Existing JAVA8 Environments
- Configuring New JAVA11 Environments

5.1   Configuring Existing JAVA8 Environments

To upgrade from JAVA8 to JAVA11, follow these steps:

5. Install the JAVA11 in the server.

6. Use the below 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.

7. Modify the listed files from JAVA8 to JAVA11.

8. 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 paths accordingly).

9. Update the JAVA8 path with JAVA11 in the *.profile*.

10. Re-create and re-deploy the OFSAA EAR/WAR file and Restart the OFSAA App Server and Web Server.

5.2   Configuring New JAVA11 Environments

To create new environment with JAVA11, follow these steps:

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

    > **NOTE**   Do not bring up the environment until BD 8.1.2.4.0 is applied and configured.

2. Follow the steps described in Pre-Installation Steps & How to Apply This Maintenance Level Release? for applying BD 8.1.2.4.0.

6   APPENDIX A: Files Packed in This Patch

This chapter describes the files modified and files impacting database due to this Patch.

Topics:

- Files Modified Due to This Patch
- Files Impacting Database
- Files Impacted by This Patch

6.1   Files Modified Due to This Patch

This section lists the files modified due to this Patch.

The following files are modified due to this Patch:

- CTR.jar
- ojctrSolution.js
- aai-ctr.js
- aai-ctr.html
- 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
- AdminToolsHTMLComponentModel.xml

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

6.2   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
- 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_PRCSNG_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
- CTR_OJET_MENU.sql
- OJF_CTR_CreateCTR.sql
- OJF_CTR_CreateTrxnG.sql
- OJF_CTR_Action.sql
- OJF_CTR_AttchmntG.sql
- OJF_CTR_AttchmntP.sql
- OJF_CTR_Attchmnt_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_DOEPAttchmntP.sql
- OJF_CTR_DOEPCommentG.sql
- OJF_CTR_DOEPAttchmntG.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_PIAtcmntG.sql
- OJF_CTR_PIAtcmntAdd.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_DOEPCommentG.sql
- OJF_CTR_DOEPComment_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
- 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_Ct1.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_OrdEvnt_FX1.sql
- OJF_Aml_Ad_Ct.sql
- OJF_Aml_Ad_Cu.sql
- OJF_Aml_Ad_Svt.sql

- OJF_AM_Ad_OrdEvnt.sql
- 812_Config.sql
- 8111_ATOMIC.sql
- PKG_AMUIACTIONWORKFLOW.sql
- PKG_AMUIACTIONWORKFLOW_BODY.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_PRCSNG_KYC.sql
- /Atomic_Schema/Functions/F_CASE_CUST_KYC.sql
- /Config_Schema/DT/FN_POPULATE_PRCSNG_KYC.sql
- AAI_DMT_DEFINITION_34637484
- 34637484_AAI_DMT_MAPPING_DETAILS.sql
- 34637484_AAI_DMT_DEF_SOURCE_ENTITY.sql
- AAI_DMT_POST_LOAD_CHANGES_8124.sql
- PLC_PopulateProcessedCaseCustKYC.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
- 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

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

> **NOTE**   Take a backup of the Atomic and Config schemas as a precautionary measure; any customizations performed to the schema must be re-applied.

6.3   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
- XML Files
- Datamap Files
- Queries (Ingestion)
- KYC Lookup tables
- Infodom Files
- Build-related Files
- BD Algorithm-related Files
- Real Time Fraud Files

6.3.1   HTML

The following are the HTML files 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/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

6.3.2   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/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

6.3.3   JSP Files

The following are the JSP files impacted:

- kyc_onboarding/ConfigureServiceParameters.jsp
- kyc_onboarding/ConfigureTPGServiceParameters.jsp
- kyc_onboarding/KYCAlgorithmBasedView.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/KYCMessageConstants.jsp
- kyc/KYCMessageConstantsUI.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
- alert_assigner_incl_addexception.jsp
- kyc/KYCRelationshipType_AssmntMode.jsp

6.3.4 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

6.3.5   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
- multicombo.png
- oracle_logo.svg
- plus.png
- progress_bar_alta.gif
- standing-user-icon-color.png

6.3.6   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

6.3.7   Datamodel

The following are the datamodel files impacted:

- BD_FSDM.xml
- KYC_DataModel.xml
- BD_EXTN.xml

6.3.8   JAR Files

The following are the Jar files impacted:

- alert_mgmt.jar
- tp_dataload.jar
- kyc.jar
- spring-web-5.3.19.jar
- spring-aspects-5.3.19.jar
- spring-context-5.3.19.jar
- spring-expression-5.3.19.jar
- spring-tx-5.3.19.jar
- spring-core-5.3.19.jar
- spring-jdbc-5.3.19.jar
- spring-beans-5.3.19.jar
- spring-aop-5.3.19.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

6.3.9   Database Script Files

The following are the Database Script files impacted:

- delta_plat8.1.2.1.0.cfg
- CR_8.1.2.1.0_33981210.mantas.sql

- mantas8.1.2.1.0_delta.cfg
- 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
- 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

6.3.10   SH Files

The following are the SH files impacted:

- execute.sh
- 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

6.3.11   XML Files

The following are the XML files impacted:

- tpconfig.xml
- OFS_KYC_RTIExport_AcceleratedRereview_WithAomalyDetectionML.xml
- AdminToolsHTMLComponentModel.xml
- OFS_KYC_RTIExport_AcceleratedRereview_WithRegulatoryReportCustCase.xml

6.3.12   Datamap Files

The following are the Datamap files impacted:

- Customer.xml
- AccountAddress.xml
- AccountPhone.xml
- AccountEmailAddress.xml

- FrontOfficeTransaction.xml
- FrontOfficeTransactionParty.xml
- WireTransaction_FrontOfficeTransaction.xml
- SettlementInstruction.xml
- DerivedAddress_FrontOfficeTransactioPartyStageUpd.xml
- DerivedAddress_FrontOfficeTransactioPartyStageInsert.xml
- AccountToCustomer.xml
- PartytoPartyRelationship.xml
- ExternalEntityProfile.xml
- AccountToCustomerChangeLogSummary.xml
- CustomerAddress.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
- AccountPeerGroupMonthlyTransactionProfile.xml

6.3.13 Queries (Ingestion)

The following are the list of Ingestion Queries impacted :

- 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
- CustomerIdentificationDocument.STG_CUSTOMER_IDENTIFCTN_DOC.sql
- PartytoPartyRelationship.STG_PARTY_PARTY_RELATIONSHIP.sql
- ExternalPartyStage.STG_PARTY_MASTER.sql
- AccountToCustomer.STG_PARTY_ACCOUNT_ROLE_MAP.sql
- FrontOfficeTransaction.STG_MERCHANT_CARDS_TXNS.sql

6.3.14 KYC Lookup tables

The following are the list of Excel files at FTPSHARE -- STAGE -- ExcelUpload -- KYCLookupTables --->
EXCELQueries.

- 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
- APPLN_REREVIEW_PARAMS.xls

6.3.15 Infodom 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

6.3.16   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.xsl
> - merge_Persistence.xsl
> - merge_web.xsl
> - merge_Menu.xsl

6.3.17   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.

6.3.18   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/RealTimeFruad 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
- $FIC_HOME/ficweb/webroot/WEB-INF/lib/RealTimeFraud.jar
- $FIC_HOME/ficweb/webroot/WEB-INF/lib/CardFraudMain.jar

7 APPENDIX B: OFS BD Version Compatibility List

Table 5 lists the OFS BD version compatibility with other products.

Table 5: OFS BD Version Compatibility List

OFS BD Version	OFSAAI Version	FSDF Version	OFS ECM Version
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

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