Oracle Financial Services

Behavior Detection

Installation Guide

Release 8.1.2.6

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OFS Behavior Detection Installation Guide

Document Control

Table 1 lists the document control.

Table 1: Revision History

Revision Number	Revision Date	Change Log
1.0	October 2023	Captured Installation and Configuration steps for 8.1.2.6.0 Release.

Table of Contents

1   About This Guide

The Oracle Financial Services Behavior Detection (OFS Behavior Detection) 8.1.2.6.0 Installation Guide provides instructions to install the OFS Behavior Detection 8.1.2.6.0 Maintenance Level (ML) release.

The OFS Behavior Detection 8.1.2.6.0 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.
- Deploying FCCM Analytic Reports details the steps to deploy FCCM Analytic Reports.
- 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.
- APPENDIX C: Upgrade Scenarios details the upgrade scenarios from 8.1.2.0.0 - 8.1.2.5.0 to 8.1.2.6.0.

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 #6 8.1.2.6.0.

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 BD8126 ML application.
> - OFS Behavior Detection 8.1.2.6.0 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 8.1.2.6.0 archive file from My Oracle Support by searching for Patch ID 35560200 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 8.1.2.6.0 Readme are applied before installation.

2. Install OFSBD 8.1.2.0.0 before applying 8.1.2.6.0.

   > **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, or 8.1.2.5.0 is already installed.

3. Apply patch for Bug 35013409 - OFSAA 8.1.2.0.0 AAI ML RELEASE #3 (8.1.2.3.0).

4. Apply patch for Bug 35307360 - Consolidated fixes for issues found on OFSAAI 8.1.2.3.0.

5. Apply patch for Bug 35382114 - Standard Upgrade of Libraries for common usage in OFSAA V81X - July 2023.

6. Apply for Enhancement 35322369 - Consolidated Sanction Simulation API requests.

7. Apply patch for Bug 35598249 - Consolidated fixes for issues dependent on FCCM release.

8. Apply for Enhancement 35814104 -IPE enhancements to support simulation requirements (Model ID and Version).

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 8.1.2.6, 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 8.1.2.6.0 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 8.1.2.6.0 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 *35560200_LINUX.zip/35560200_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 35560200_LINUX.zip/35560200_SOLARIS_SPARC.zip`

   The following are the contents of the folder when the folder is unzipped:

   - PatchConfig.xml
   - install.sh
   - Setup.bin
   - validateXMLInputs.jar
   - Readme_OFSBD_8.1.2.6.0.txt
   - BD_FSDM_DataModel.xml
   - KYC_DataModel.xml
   - FSDF_DataModel.xml
   - BD_EXTN.xml

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.

4. Navigate to *<USER_PATCH_DIR>/35560200/bin* and grant execute (755) permission for all executables: `$ chmod 755 *`.

5. Navigate to *<USER_PATCH_DIR>/35560200/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 pre-scripts, back up tables with the naming convention *<TABLE_NAME>_8126_BACKUP*.

6.   Install the patch by executing the command: `$ ./install.sh.`.

7.   Check if the patch is applied successfully by verifying the patch install logs under *<USER_PATCH_DIR>/35560200/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-installtion steps.

Perform the following post-installation steps:

1. If the deployment environment is Solaris, follow the following steps to the 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 `mantas8.1.2.6.0_delta.cfg` and `delta_plat8.1.2.6.0.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/mantas8.1.2.6.0_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_plat8.1.2.6.0.cfg
   ```

   When prompted, enter the Atomic user name and password.

3. Load 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 APPENDIX C: Upgrade Scenarios.

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

4. Once the patch is applied successfully, navigate to *FIC_HOME* and execute the file `BD_Duplicate_Jar_Removal_8126ML.sh`.

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.

■   OFSAAI

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-installtion steps.

NOTE	After a successful base installation of 8120, the DI batch must be executed before upgrading to 8126.

If OFS KYC is installed, follow these steps:

1.   Before moving to step 2, you must:

Apply patch for Bug 35904154 - Regular Batch is taking lot of tie in 31 and 32 IPE tasks (8.1.2.6.1).

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

■   ./RTIImport.sh $FIC_HOME/IPE/KYC/8.1.2.6.0/Simulation/OFS_KYC_RTIExport_AcceleratedRereview.xml ##AMINFODOM## OFS_KYC false

■   ./RTIImport.sh $FIC_HOME/IPE/KYC/8.1.2.6.0/Simulation/OFS_KYC_RTIExport_ChangeInRiskModel.xml ##AMINFODOM## OFS_KYC false

■   ./RTIImport.sh $FIC_HOME/IPE/KYC/8.1.2.6.0/Simulation/OFS_KYC_RTIExport_ModelBasedAssessment.xml ##AMINFODOM## OFS_KYC false

■   ./RTIImport.sh $FIC_HOME/IPE/KYC/8.1.2.6.0/Simulation/OFS_KYC_RTIExport_RAOR_ModelBasedAssessment.xml ##AMINFODOM## OFS_KYC false

■   ./RTIImport.sh $FIC_HOME/IPE/KYC/8.1.2.6.0/Simulation/OFS_KYC_RTIExport_RAOR_RuleBasedAssessment.xml ##AMINFODOM## OFS_KYC false

■   ./RTIImport.sh $FIC_HOME/IPE/KYC/8.1.2.6.0/Simulation/OFS_KYC_RTIExport_RuleBasedAssessment.xml ##AMINFODOM## OFS_KYC false

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/8.1.2.6.0/Simulation/
OFS_KYC_RTIExport_AcceleratedRereview_WithAomalyDetectionML.xml
##AMINFODOM## OFS_KYC false
```

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

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

■   Open putty session and run the following commands one by one:

—   `Export PackName=OFS_BD_PACK`

—   `./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 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*

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

7. 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;
      ```

   vii. create or replace synonym *KDD_CASETYPE_PARAM_CONFIG_ECM* for *&&case_schema_owner.. KDD_CASETYPE_PARAM_CONFIG*;

   viii. create or replace synonym *KDD_CAL_ECM* for *&&case_schema_owner.. KDD_CAL*;

   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;

vii. create or replace synonym *KDD_CASETYPE_PARAM_CONFIG_ECM* for *KDD_CASETYPE_PARAM_CONFIG@AMDBLINK*;

viii. create or replace synonym *KDD_CAL_ECM for KDD_CAL@AMDBLINK*;

8. 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`

9. Follow the following steps to add a new task in KYC daily batch:

a. Log in as an Admin user.

b. Navigate to the **Common Tasks** section, select the **Rule Run Framework**, and then select **Process**.

c. Select **IPEPopulateIP** from the table list and click **Edit**.

d. Click **Component** in the new window.

e. Expand **Transformation Rules** from **Available Components**.

f. Click **Database Functions-Transformations** and expand it.

g. Move **POPULATE_CUST_PROCESSING_IP** to the right into Tasks in **ROOT**.

h. In the right box, move the new task **POPULATE_CUST_PROCESSING_IP** after **POPULATE_IP_KYC**.

i. Click **OK**.

j. Click **Precedence**.

k. Select **POPULATE_CUST_PROCESSING_IP** from the drop down.

l. Select **POPULATE_IP_KYC** in the Available Precedence object and move it to the right.

m. Click **OK** and **Save**.

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

a. Log in as an Admin user.

b. Navigate to the **Common Tasks** section, select the **Rule Run Framework**, and then select **Process**.

c. Select **KYC_DI_Interested_Party** from the table list and click **Edit**.

d. Click **Component** in the new window.

e. Expand **Transformation Rules** from **Available Components**.

f. Click **Database Functions-Transformations** and expand it.

g. Move **POPULATE_CUST_PROCESSING_IP_DI** to the right into Tasks in **ROOT**.

h. In the right box, move the new task **POPULATE_CUST_PROCESSING_IP_DI** after **POPULATE_IP_KYC_DI**.

    i. Click **OK**.

    j. Click **Precedence**.

    k. Select **POPULATE_CUST_PROCESSING_IP_DI** from the drop down.

    l. Select **POPULATE_IP_KYC_DI** in the Available Precedence object and move it to the right.

    m. Click **OK** and **Save**.

11. If the *fct_ra_risk_reasons*, *fct_ra_risk_summary*, and *fct_ra_risk_details* tables contain records, execute these procedures:

- ```
  UPDATE /*+ parallel(8) enable_parallel_dml*/  fct_ra_risk_details
  RA_DTLS SET (CUST_SEQ_ID,CUST_INTRL_ID, CUST_TYPE_P_IP) = ( SELECT
  DISTINCT CUST_SEQ_ID, CUST_INTRL_ID, 'P' FROM CUST_SNAPHSOT C JOIN
  FCT_RA F ON C.BATCH_RUN_ID=F.V_BATCH_RUN_ID AND
  C.CUST_INTRL_ID=F.V_CUST_NUMBER WHERE  F.N_RA_ID = RA_DTLS.N_RA_ID) ;
  ```

- ```
  UPDATE /*+ parallel(8) enable_parallel_dml*/  fct_ra_risk_reasons
  RA_RES SET (CUST_SEQ_ID,CUST_INTRL_ID, CUST_TYPE_P_IP) = ( SELECT
  DISTINCT CUST_SEQ_ID, CUST_INTRL_ID, 'P' FROM CUST_SNAPHSOT C JOIN
  FCT_RA F ON C.BATCH_RUN_ID=F.V_BATCH_RUN_ID AND
  C.CUST_INTRL_ID=F.V_CUST_NUMBER WHERE F.N_RA_ID = RA_RES.N_RA_ID) ;
  ```

- ```
  UPDATE /*+ parallel(8) enable_parallel_dml*/  fct_ra_risk_summary
  RA_SMRY SET (CUST_SEQ_ID,CUST_INTRL_ID, CUST_TYPE_P_IP) = ( SELECT
  DISTINCT CUST_SEQ_ID, CUST_INTRL_ID, 'P' FROM CUST_SNAPHSOT C JOIN
  FCT_RA F ON C.BATCH_RUN_ID=F.V_BATCH_RUN_ID AND
  C.CUST_INTRL_ID=F.V_CUST_NUMBER WHERE  F.N_RA_ID = RA_SMRY.N_RA_ID) ;
  ```

12. To add the *F_TRUNC_RTI_ASSMNT_TABLES* task in the KYC daily batch, follow these steps:

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

    b. Select **IPEEndBatchProcess** from the table list and click **Edit**.

    c. Click **Component** in the new window.

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

    e. Click **Database Functions-Transformations** and expand it.

    f. Move **F_TRUNC_RTI_ASSMNT_TABLES** to the right into Tasks in ROOT.

    g. Click **OK** and **Save**.

13. Provide the following value while executing the IPEKYCRun daily batch in Parameters option:
`[MODELID]=PROD,[VERSION]=0,[APP_ID]=OFS_KYC`.

3.3   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. 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`

3.4 OFS Real Time Fraud (RTF)

If OFS RTF is installed, follow these steps:

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 8125 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.

— 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 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 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'`

3.5　Configuring 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, follow these steps:

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 UserGroups and Users 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.

   - V_GROUP_CD column must 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 table 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 (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 Usergroup 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.

   - 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 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

For details on configuring the Scenario Manager, see the Oracle Financial Services Behavior Detection Installation Guide Release 8.1.2.0.0.

3.7 Configuring Watch List Management

The table *KDD_PRCSNG_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 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 Deploying FCCM Analytic Reports

This section describes how to deploy Analytics on Oracle Business Intelligence Enterprise Edition (ORACLE ANALYTIC SERVER (OAS) version 6.4) and integrate FCCM Analytic Reports in the OFSBD UI.

Topics:

- Installing OAS Version 6.4
- Installing OAS Version 6.4 Windows Administration Client
- Disabling Cache Feature in OAS Version 6.4
- Change Default Repository Password
- Configuring OAS Version 6.4 Connection Pool
- Deploying OFS FCCM Report Analytics
- Configuring TreeMap Graph
- Disabling Single Sign On
- Enabling Table Authentication in OAS Version 6.4

4.1 Installing OAS Version 6.4

To install the ORACLE ANALYTIC SERVER (OAS) version 6.4, follow these steps:

1. Download the software from ORACLE ANALYTIC SERVER (OAS) 6.4 server.

2. After installation, get the `Enterprise Manager URL, User name, Password, and ORACLE ANALYTIC SERVER (OAS) version 6.4` installed directory from your System Administrator.

> | **NOTE** | - You must map BI Admin Reporter Role with atomic schema INFODOM. |
> | --- | --- |
> | | - BI Admin Reporter Role must be mapped to any group (for example, CASESUPERVISOR in case of Pack on Pack) that you need to provide. |

4.2 Installing OAS Version 6.4 Windows Administration Client

Download and install OAS Client tool for 6.4.

4.3 Disabling Cache Feature in OAS Version 6.4

This section describes how to disable the Cache feature in the Oracle Analytic Server (OAS) version 6.4. To disable the Cache feature, follow these steps:

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.

4.4 Change Default Repository Password

Copy the `FCCM8125.rpd` from `$FIC_HOME/ORACLE ANALYTIC SERVER (OAS) 6.4/Repository` to the Windows machine where the Oracle Analytic Server (OAS) 6.4 Windows Administration Client is installed.

To change the default password for the repository, follow these steps:

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 - FCCM8125.rpd* window is displayed.

4. Enter default Repository password: `FCCM$8125`.

To change the default password, follow these steps:

1. From the **File** menu, choose **Change Password**.

2. Enter the new password and click **OK**.

4.5 Configuring OAS Version 6.4 Connection Pool

This section describes how to configure the Oracle Analytic Server (OAS) version 6.4 Connection Pool. To configure the Connection Pool of the repository, follow these steps:

1. Open the same Repository (as in the previous step) on the Windows machine. The *Oracle BI Administration Tool - FCCM8125.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=<Database Name>)))`.

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:

- KYC Analytics > Atomic Schema

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

- UIC_73 > CaseMng Connection Pool >Atomic SchemaUIC_73 > Security Connection Pool > Atomic Schema
- TA > Atomic Schema
- CTRBI > Atomic Schema
- ORCL > Atomic Schema
- 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**.

4.6   Deploying OFS FCCM Report Analytics

This section describes how to deploy the OFS FCCM Report Analytics.

To deploy Reports Analytics, follow these steps:

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 HTML Content.

6. Click **Restart** .

7. Update the instanceconfig.xml file present in <Oracle Analytic Server (OAS) 6.4_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>
```

5. Deploy BAR(CATALOG)

   a. Navigate to *$FIC_HOME/OBIEE/catalog*.

   b. Copy *FCCM_ANALYTICS.bar* to the working location of OAS server.

   c. Copy *FCCM8125.rpd* into the working location of OAS server.

   d. Go to: *<OAS 6.4 Home directory>/Oracle_Home/user_projects/domains/bi/bitools/bin*.

   e. Execute the command:

   ```
   ./importarchive.sh ssi <working location>/FCCM_ANALYTICS.bar
   encryptionpassword='<pwd>'
   ```

   NOTE: pwd is the same as RPD (Repository) password.

9. Deploy *FCCM8125.rpd*.

   a. Navigate to the working directory and execute the following script:

   ```
   <Oracle Analytic Server (OAS) 6.4_home>/user_projects/domains/bi/

    bitools/bin/datamodel.sh uploadrpd -I FCCM8125.rpd -SI ssi -U <user>
   -P <password>
   ```

   b. Restart the *Oracle Analytic Server (OAS) 6.4* from *Enterprise Manager* by following these steps: (see Figure 1)

   c. Click the **Target Navigation** icon.

   d. Expand the **Business Intelligence** section and then click **biinstance**.

   e. Click the **Availability** tab.

   f. Click **Stop All**.

   g. Click **Start All**.

Figure 1: Restarting Oracle Analytic Server (OAS) 6.4
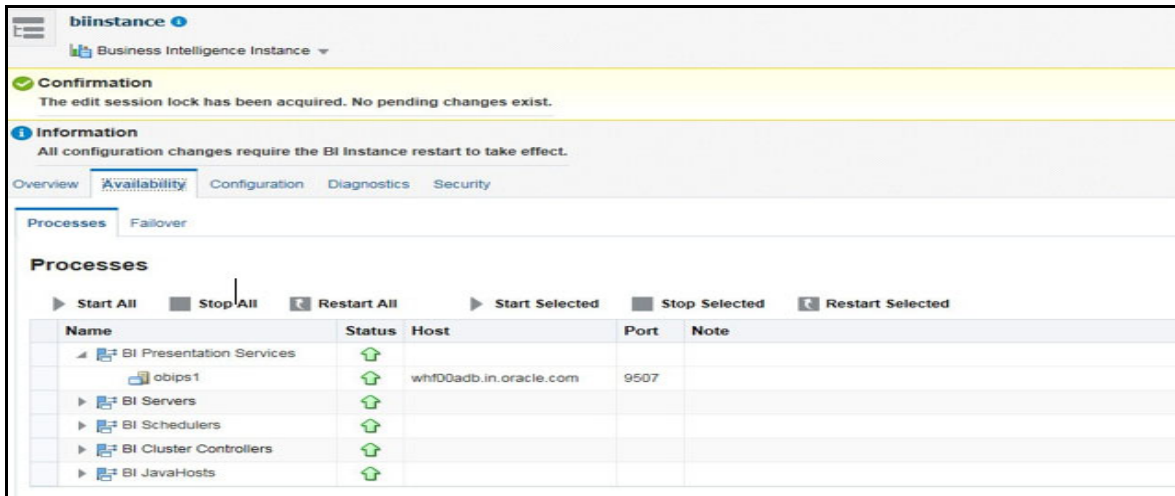
4.1 Configuring TreeMap Graph

This section describes how configure TreeMap graph.

To configure the TreeMap Graph, follow these steps:

1. Log into Oracle Analytic Server (OAS) 6.4.

2. Navigate to ORACLE ANALYTIC SERVER (OAS) 6.4 Home.

NOTE	ORACLE ANALYTIC SERVER (OAS) 6.4 Home is the ORACLE ANALYTIC SERVER (OAS) 6.4 installed path.

3. Execute the command: `cd <Oracle Analytic Server (OAS) 6.4_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. Back up these four files.

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

4.2 Disabling Single Sign On

This section describes how to disable the Single Sign On feature.

To disable Single Sign On, follow these steps:

1. Execute the following command:

   ```
   <Oracle Analytics Server 6.4_Home>/commemoration/common/bin/wlst.sh
   disableBISingleSignOn('<Oracle Analytics Server 6.4_Home>/user_projects/
   domains/bi')
   ```

2. Update the `instanceconfig.xml` file available in `<Oracle Analytics Server 6.4_Home>/user_ projects/domains/bi/config/fmwconfig/biconfig/OBIPS` location as:

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

For example:

```
<ServerInstance>

<Security>

<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.

4.3 Enabling Table Authentication in OAS Version 6.4

This section describes how to enable the Table Authentication feature in Oracle Analytic Server (OAS) 6.4.

To enable the Table Authentication feature, follow these steps:

1. Navigate to `<DOMAIN_HOME(OAS Server Domain home)>/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 -i obips1`
   - `<DOMAIN_HOME>/bitools/bin/start.sh -i obips1`

5   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, 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

NOTE	1. 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
	2. Existing web servers must be re-configured/re-installed with JAVA11.

Topics:

- Configuring Existing JAVA8 Environments
- Configuring New JAVA11 Environments

6.1   Configuring Existing JAVA8 Environments

To upgrade from JAVA8 to JAVA11, follow these steps:

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 paths 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.

6.2   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 8.1.2.6.0 is applied and configured.

2. Follow the steps described in Pre-Installation Steps & How to Apply This Maintenance Level Release? for applying BD 8.1.2.6.0.

7 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

7.1 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
- downloadMessageXml.sh
- DownloadAckFromSDTM.sh
- TransferEfileToSDTM.sh
- 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

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

7.2　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.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

- CTR_OJET_MENU.sql
- 34637484_MESSAGES_EN_US.sql
- 35560200_CSSMS_START_PAGE_MASTER.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_PrntFl_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
- 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_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
- /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
- 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
- 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

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_PRCSNG_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_PRCSNG_KYC_8126.sql

- PLC_TRUNCATE_PRCSNG_RUN_KYC_8126.sql
- PLC_UPDATE_WLS_STATUS_8126.sql
- FN_POPULATE_IP_KYC_8126.sql
- LOAD_FCT_CUST_REVIEW_REASONS_8126.sql
- FN_POPULATE_PRCSNG_KYC_8126.sql
- FN_TRUNCATE_PRCSNG_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

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

7.3 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

7.3.1   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_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

7.3.2 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_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/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

7.3.3 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
- alertscore_scores_edit.jsp

- alert_assigner_incl_addexception.jsp
- kyc/KYCRelationshipType_AssmntMode.jsp

7.3.4 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

7.3.5 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

7.3.6   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

7.3.7   Datamodel

The following are the datamodel files impacted:

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

7.3.8   JAR Files

The following are the Jar files impacted:

- alert_mgmt.jar
- tp_dataload.jar
- kyc.jar
- spring-web-5.3.27.jar
- spring-aspects-5.3.27.jar
- spring-context-5.3.27.jar

- spring-expression-5.3.27.jar
- spring-tx-5.3.27.jar
- spring-core-5.3.27.jar
- spring-jdbc-5.3.27.jar
- spring-beans-5.3.27.jar
- spring-aop-5.3.27.jar
- commons-fileupload-1.5.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

7.3.9   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
- KYC/AAI_DMT_DEFINITION_8126.sql

7.3.10   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
- $FIC_HOME/BD_Duplicate_Jar_Removal_8125ML.sh
- $FIC_HOME/BD_Duplicate_Jar_Removal_8126ML.sh
- $FIC_HOME/ficdb/bin/WLS_FuzzyMatch.sh

7.3.11   XML Files

The following are the XML files impacted:

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

7.3.12   Datamap Files

The following are the Datamap files impacted :

- Customer.xml
- Account.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
- 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

7.3.13 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.sql

7.3.14 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
- FCC_OB_RISK_PRMS_CODE_SCRE_MAP.xls
- FCC_OB_RISK_PRMS_CODE_VAL_MAP.xls
- FCC_OB_RSKPRMS_CODEVAL_MAP_ST.xls

7.3.15   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
- FCC_OB_RISK_PRMS_CODE_SCRE_MAP.xml
- FCC_OB_RISK_PRMS_CODE_VAL_MAP.xml
- FCC_OB_RSKPRMS_CODEVAL_MAP_ST.xml

7.3.16   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

7.3.17   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.

7.3.18   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

8   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
8.1.2.6	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

9 APPENDIX C: Upgrade Scenarios

The following are the upgrade scenarios:

- Upgrade from OFS BD 8.1.2.0.0 to OFS BD 8.1.2.6.0
- Upgrade from OFS BD 8.1.2.1.0 to OFS BD 8.1.2.6.0
- Upgrade from OFS BD 8.1.2.2.0 to OFS BD 8.1.2.6.0
- Upgrade from OFS BD 8.1.2.3.0 to OFS BD 8.1.2.6.0
- Upgrade from OFS BD 8.1.2.4.0 to OFS BD 8.1.2.6.0
- Upgrade from OFS BD 8.1.2.5.0 to OFS BD 8.1.2.6.0

9.1 Upgrade from OFS BD 8.1.2.0.0 to OFS BD 8.1.2.6.0

In case of Upgrade from OFS BD 8.1.2.0.0 to OFS BD 8.1.2.6.0, 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

APPENDIX C: Upgrade Scenarios
Upgrade from OFS BD 8.1.2.1.0 to OFS BD 8.1.2.6.0

- 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-ChkMlRecurringReBeKnown.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

9.2 Upgrade from OFS BD 8.1.2.1.0 to OFS BD 8.1.2.6.0

In case of Upgrade from OFS BD 8.1.2.1.0 to OFS BD 8.1.2.6.0, load the following 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-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

9.3   Upgrade from OFS BD 8.1.2.2.0 to OFS BD 8.1.2.6.0

In case of Upgrade from OFS BD 8.1.2.2.0 to OFS BD 8.1.2.6.0, 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-CIBPreviousAverageActivity.118860023.xml
- ML-CIBForeignActivity.116000053.xml
- ML-AnticipateProfileExpectedActivity.116000107.xml
- ML-ChkMlRecurringReBeKnown.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

9.4   Upgrade from OFS BD 8.1.2.3.0 to OFS BD 8.1.2.6.0

In case of Upgrade from OFS BD 8.1.2.3.0 to OFS BD 8.1.2.6.0, 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

9.5 Upgrade from OFS BD 8.1.2.4.0 to OFS BD 8.1.2.6.0

In case of Upgrade from OFS BD 8.1.2.4.0 to OFS BD 8.1.2.6.0, load the following scenarios:

- ML-HRTransHRGeography.115000049.xml
- ML-HRTransHRGeography.118860022.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-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

9.6   Upgrade from OFS BD 8.1.2.5.0 to OFS BD 8.1.2.6.0

In case of Upgrade from OFS BD 8.1.2.5.0 to OFS BD 8.1.2.6.0, load the following scenarios.

- ML-EarlyPOCreditProducts.115400011.xml
- 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

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