

Oracle Financial Services
Behavior Detection Application:
Migration Guide

Release 8.0.1.0.0
August 2015



Oracle Financial Services
Behavior Detection Application:
Migration Guide

Release 8.0.1.0.0
August 2015

Part Number: **E65615-01**

Oracle Financial Services Software, Inc.
1900 Oracle Way
Reston, VA 20190

Part Number: E65615-01
First Edition (August 2015)

Copyright © 2015, Oracle and/or its affiliates. All rights reserved.

Printed in U.S.A. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise without the prior written permission.

Trademarks

Oracle is a registered trademark of Oracle Corporation and/or its affiliates.
Other names may be trademarks of their respective owners.

Oracle Financial Services Software, Inc.
1900 Oracle Way
Reston, VA 20190
Phone: (703) 478-9000
Fax: (703) 318-6340
Internet: www.oracle.com/financialservices

Contents

List of Figures xi

List of Tables xiii

About this Guide xv

Who Should Use this Guide xv

Scope of this Guide xvi

Where to Find More Information xvi

 OFS AAI Related Documents xvi

 OFS BD Related Documents xvi

Conventions Used in this Guide xvii

Acronyms Used in this Guide xviii

CHAPTER 1 Migration Overview 1

Overview 1

Product Matrix 2

Deployment Options 3

 Source Product Grouping - Target Product Grouping - Option 1 4

 Source Product Grouping-Target Product Grouping - Option 2 4

 Source Product Grouping-Target Product Grouping - Option 3 5

CHAPTER 2 Understanding Migration Process 7

Migration Process Sequence 7

Product Specific Migration Steps 13

CHAPTER 3 Preparing for Migration 15

Product Applicability 15

Pre-requisite 16

Preparing Migration Activities 16

 Obtaining Migration Utility 16

 Copying Files to Target Staging 16

 Copying Files to Target 17

Verification Steps 17

CHAPTER 4 Preparing Target Staging Database - Clone Production DB 19

Product Applicability 19

Pre-requisites 20

Cloning Source Production DB Schemas.....	22
Verification Steps.....	23
CHAPTER 5 <i>Preparing Target Staging Database - DB DDL Upgrade.....</i>	25
Product Applicability	25
Pre-requisites	26
Managing DDL Upgrade.....	26
Preparing for DDL Upgrades	26
Executing of DDL Upgrade Utility.....	30
Verification Steps.....	32
FAQs	32
CHAPTER 6 <i>Preparing Source Install - Clone AAI Install.....</i>	33
Product Applicability	33
Pre-requisites	34
Cloning AAI Production Environment	35
Verification Steps.....	35
FAQs	35
CHAPTER 7 <i>Preparing Target Staging Install - AAI Upgrade.....</i>	37
Product Applicability	37
Pre-requisites	40
Upgrading Cloned AAI Production Environment.....	40
Verification Steps.....	40
CHAPTER 8 <i>Preparing Target - Install BD 8.0.1.0.0</i>	41
Product Applicability	41
Pre-requisites	42
Installing OFS BD 8.0.1.0.0 in the Target System	42
Verification Steps.....	42
CHAPTER 9 <i>Setting Target Install - AAI User Migration</i>	43
Product Applicability	43
Pre-requisites	44
Managing User Migration.....	44
Preparing for User Migration	44
Executing User Migrations	45
Post User Migration Activities	47
Verification Steps.....	47

CHAPTER 10	<i>Setting Target Install - Mantas User Setup and Privileges Migration</i>	49
Product Applicability		49
Configuring Mantas User and Privileges.....		49
Configuring User Access Permission.....		49
User - User Group Mapping		50
User - Domain Mapping		51
User Authorization		51
Security Management Attributes and Rule		51
Migrating Role Action Mapping		51
Migrating User Role Action Map Data from LDAP to BD 8.0.1.0.0.....		52
Setting Security Attributes		52
CHAPTER 11	<i>Migrating Custom Scenarios</i>	55
Product Applicability		55
Prerequisites.....		56
Installing and Configuring Custom Scenarios.....		56
Verification Steps.....		57
CHAPTER 12	<i>Migrating Custom Alert Workflow</i>	59
Product Applicability		59
Pre-requisites		60
Executing Custom Alert Work Flow Migrations.....		60
Preparing for Custom Alert Work Flow Migrations		60
Migrating Custom Alert Work Flow Metadata.....		61
Verification Steps.....		63
CHAPTER 13	<i>Data Migration - Mantas 5.x Case Migration</i>	65
Product Applicability		65
Pre-requisites		65
Executing Mantas Case Migration		66
Preparing for Case Migration		66
Extracting Source Case Work-flow Metadata.....		67
Preparing the Custom Case Work flow Metadata for Migrations		67
Migrating Required Custom Case Workflows		73
Migrating Required Custom Case Workflows and Cases		75
Verification Step		77
CHAPTER 14	<i>Data Migration - Core</i>	79
Product Applicability		79
Pre-requisite.....		80

Executing Data Migration - Core.....	82	
Verification Steps.....	82	
CHAPTER 15	<i>Data Migration - KYC 1.2 Case Migration</i>	83
Product Applicability	83	
Pre-requisites	84	
Configuring Migration Script.....	86	
Configuring Common Migration Script Options.....	86	
Configuring Migration Script - Option 1	87	
Configuring Migration Script - Option 2	89	
Executing Common Script.....	90	
Error Logging and Resolution	92	
Verification Steps.....	94	
CHAPTER 16	<i>Data Migration - Documents from Database</i>	97
Product Applicability	97	
Pre-requisites	97	
Transferring Documents from Database.....	98	
Verification Steps.....	100	
CHAPTER 17	<i>Data Migration-Document from Source File System</i>	103
Product Applicability	103	
Pre-requisites	104	
Transferring Documents from Source File System.....	104	
Verification Steps.....	106	
CHAPTER 18	<i>Setting Target Install - Administration and Configuration</i>	109
Product Applicability	109	
Prerequisites.....	110	
Performing Administration and Configuration	110	
Configuring and Administrating Applications.....	110	
Customizing Subsystems.....	110	
Resetting Sequence ID Ranges and Current Values.....	113	
Verification Steps.....	116	
CHAPTER 19	<i>AAI Application Metadata Migration - Export</i>	117
Product Applicability	117	
Pre-requisites	118	
Executing AAI Application Metadata Migration - Export	118	
Preparing for Object Migrations.....	118	
Export Procedure on Source.....	120	

Verification Steps.....120

CHAPTER 20 *AAI Application Metadata Migration - Import*..... 121

Product Applicability121

Pre-requisite.....122

Executing AAI Application Metadata Migration - Import122

 Preparing for Object Migrations.....122

 Import Procedure on Target123

Verification Steps.....124

CHAPTER 21 *Dry Run I*..... 125

Product Applicability125

Pre-requisites126

Executing Dry Run-I.....126

CHAPTER 22 *Dry Run II*..... 129

Product Applicability129

Pre-requisites130

Executing Dry Run-II.....130

List of Figures

Figure 1. Source Product Grouping-Target Product Grouping - Option 1	4
Figure 2. Source Product Grouping-Target Product Grouping - Option 2	4
Figure 3. Source Product Grouping-Target Product Grouping - Option 3	5
Figure 4. Utility	31

List of Tables

Table 1. Conventions Used in this Guide	xvii
Table 2. Acronyms Used in this Guide	xviii
Table 3. Product Matrix	2
Table 4. Migration Process Sequence	7
Table 5. Migration Process Sequence Applicability	13
Table 6. Product Applicability	15
Table 7. Preparing Migration Verification Steps	17
Table 8. Cloning Production DB Product Applicability	19
Table 9. Schema and Product Details	20
Table 10. Preparing Target Staging Database - Pre-requisites Verifying Steps	23
Table 11. DB DDL Upgrade Product Applicability	25
Table 12. Placeholder Details	27
Table 13. Placeholder Details	28
Table 14. Preparing Source Database - DB DDL Upgrade Verification Steps	32
Table 15. Install Pre-requisites Product Applicability	33
Table 16. Preparing Source Install - Clone AAI Install Verification Steps	35
Table 17. AAI Upgrade Product Applicability	37
Table 18. Preparing Target Staging Install-AAI Upgrade Verification Steps	40
Table 19. Install BD Product Applicability	41
Table 20. Preparing Target Verification Steps	42
Table 21. User Setup Migration Product Applicability	43
Table 22. Security Management System (Administration) Objects	45
Table 23. Setting up Target Install - Verification Steps	47
Table 24. Mantas User Setup Migration Product Applicability	49
Table 25. User access permission	50
Table 26. Role User Group Mapping	50
Table 27. Migrate Custom Scenarios Product Applicability	55
Table 28. Migration Custom Scenario Verification Steps	57
Table 29. Custom BD Metadata Product Applicability	59
Table 30. Action Categories	60
Table 31. Supported Action Categories	62
Table 32. Migrating Custom Alert Workflow Verification Steps	63
Table 33. Mantas 5X Case Migration Product Applicability	65
Table 34. Recommended Actions Mapping	68
Table 35. Recommended Status Mapping	70
Table 36. Recommended Case Type /Sub Type Mappings	71
Table 37. Recommended Action Category Code Mappings	72
Table 38. Data Migration - Verification Checklist	77
Table 39. Data Migration - Core Product Applicability	79

List of Tables

Table 40. Guidelines	81
Table 41. Data Migration - Core Verification Steps	82
Table 42. KYC 1.2 Product Applicability	83
Table 43. Migration Steps	90
Table 44. MIG_ERROR_MSG Columns.....	92
Table 45. MIG_DATA_POPULATION_SUMMARY Columns	93
Table 46. KYC 1.2 Case Migration Verification Steps.....	94
Table 47. Document Migration Products Applicability	97
Table 48. Documents from Database - Verification Steps.....	100
Table 49. Document from Source File System - Product Applicability	103
Table 50. Product Version - Product(s) - Infodom Mapping	105
Table 51. Document from Source File System- Verification Steps	106
Table 52. Administration and Configuration Product Applicability	109
Table 53. Verification Checklist.....	116
Table 54. AAI App Metadata Migration - export Product Applicability	117
Table 55. Object Migrations.....	118
Table 56. Verification Steps	120
Table 57. AAI App Metadata Migration - Import Product Applicability	121
Table 58. Preparing for Object Migrations - Import.....	122
Table 59. AAI App Metadata Migration - Import Verification Steps	124
Table 60. Dry Run I Products Applicability	125
Table 61. Dry Run Products Applicability	129

About this Guide

This guide explains the approach and process sequence for migrating from any of the following product installs listed to Oracle Financial Services Behavior Detection 8.0.1.0.0:

- Mantas 5.x
- Financial Crime and Compliance (FCCM) 6.1. x
- Financial Crime and Compliance (FCCM) 6.2.x
- Know Your Customer (KYC) 1.2
- Currency Transaction Reporting (CTR) 1.2.1

This chapter focuses on the following sections:

- Who Should Use this Guide
- Scope of this Guide
- Where to Find More Information
- Conventions Used in this Guide

Who Should Use this Guide

This guide is intended for use by the Administrators and Implementation Consultants who are responsible for installing OFS BD 8.0.1.0.0 and migrating from earlier versions of the OFS FCCM products.

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

- Oracle Financial Services Behavior Detection Pack
- Oracle Financial Services Analytical Applications (OFSAA) Architecture
- UNIX Commands
- Database Concepts
- Web Server/Web Application Server

Scope of this Guide

This guide provides approach and instructions, along with some utilities, for migrating data and migrating the custom additions done in the earlier versions of OFS FCCM Products to OFS BD 8.0.1.0.0.

Where to Find More Information

This section identifies additional documents related to OFS BD. You can access Oracle documentation online from the Documentation Library for Oracle Financial Services Behavior Detection in Oracle Technology Network (OTN).

OFS AAI Related Documents

The following documents are available in the [Documentation Library for Oracle Financial Services Advanced Analytical Applications Infrastructure \(OFSAAI\)](#):

- *Oracle Financial Services Analytical Applications Infrastructure Applications Pack Installation and Configuration Guide*
- *Oracle Financial Services Analytical Applications Infrastructure Environment Check Utility Guide*
- *Oracle Financial Services Analytical Applications Infrastructure Administration Guide*
- *Oracle Financial Services Analytical Applications Infrastructure User Guide*

OFS BD Related Documents

The following documents are available in the [Documentation Library for Oracle Financial Services Behavior Detection Pack \(OFS BD\)](#):

- *Oracle Financial Services Behavior Detection Applications Pack Installation Guide*
- *Administration Guide*
- *Scenario Manager User Guide*
- *Configuration Guide*
- *Oracle Financial Services Know Your Customer Administration Guide*
- *Oracle Financial Services Foreign Account Tax Compliance Act Administration and Configuration Guide*
- *Oracle Financial Services Currency Transaction Reporting Administration Guide*
- *Scenario Wizard Configuration Guide*
- *Oracle Financial Services Know Your Customer Risk Assessment Guide*
- *Administration Tools User Guide*
- *FATCA Administration and Configuration Guide*
- *FATCA Assessment Guide*
- *FATCA RR User Guide*
- *FATCA RR Administration and Configuration Guide*
- *Alert Management User Guide*

- *Enterprise Case Management User Guide*
- *Oracle Financial Services Behavior Detection Release Notes*

The following documents are available in *My Oracle Support (MOS)*.

Note: You should have Single Sign-On (SSO) credentials to access MOS.

- *Oracle Financial Services Analytical Applications Infrastructure Security Guide*
- *Oracle Financial Services Know Your Customer Data Model Reference Guide*
- *Financial Services Data Model Reference Guide Volume 1: Business Data*
- *Financial Services Data Model Reference Guide Volume 2: Oracle Financial Services Data*
- *Financial Services Data Model Reference Guide Volume 3: Case Management Data*
- *Data Interface Specification*
- *Anti-Money Laundering Technical Scenario Description*
- *Broker Compliance Technical Scenario Description*
- *Energy and Commodity Trading Compliance Technical Scenario Description*
- *Fraud Technical Scenario Description*
- *Trading Compliance Technical Scenario Description*

To find more information about Oracle Financial Services and to view the complete product line, visit our Web site www.oracle.com/financialservices.

Conventions Used in this Guide

Table 1 provides the conventions used in this guide.

Table 1. Conventions Used in this Guide

Convention	Meaning
<i>Italics</i>	<ul style="list-style-type: none"> ● Names of books, chapters, and sections as references ● Emphasis
Bold	<ul style="list-style-type: none"> ● Object of an action (menu names, field names, options, button names) in a step-by-step procedure ● Commands typed at a prompt ● User input

Table 1. Conventions Used in this Guide (Continued)

Convention	Meaning
Monospace	<ul style="list-style-type: none"> ● Directories and subdirectories ● File names and extensions ● Process names ● Code sample, including keywords and variables within text and as separate paragraphs, and user-defined program elements within text
<Variable>	Substitute input value

Acronyms Used in this Guide

Table 2 lists the Acronyms used in this guide.

Table 2. Acronyms Used in this Guide

Acronyms	Description
OFS BD	Oracle Financial Services Behavior Detection
AAI	Analytical Applications Infrastructure
AML	Anti Money Laundering
FR	Fraud
TC	Trading Compliance
BC	Broker Compliance
ECTC	Energy and Commodity Trading Compliance
ECM	Enterprise Case Management
PTA	Personal Trading Approval
KYC	Know Your Customer
FATCA	Foreign Account Tax Compliance Act Management
CTR	Currency Transaction Reporting
CM	Case Management
LDAP	Lightweight Directory Access Protocol
SMS	Security Management System
SSO	Single sign-on
MOS	My Oracle Support
OTN	Oracle Technical Network
DIH	Data integration Hub

This chapter explains Oracle Financial Services Behavior Detection Migration and details various Oracle Mantas and FCCM products that can be migrated to OFS BD 8.0.1.0.0. It covers the following sections:

- Overview
- Product Matrix
- Deployment Options

Overview

Customers who are using one or more Oracle Mantas or FCCM Products and intend to move to OFS BD 8.0.1.0.0 version need to install OFS BD 8.0.1.0.0 and migrate data and custom changes from existing source installation(s).

This document provides the approach, pre-requisites, and process sequence of migrating from the existing install to the OFS BD 8.0.1.0.0 install.

The OFS BD 8.0.1.0.0 pack install includes the FCCM suite of products - AML, Fraud, TC, BC, ECTC, KYC, CTR, FATCA, PTA, and ECM. Customers are enabled to use products that they are licensed to.

Your current Oracle Mantas or FCCM Products installation may resemble any of the following scenarios.

Customers can migrate to OFS BD 8.0.1.0.0 from any of these install scenarios:

- AML (Mantas 5.x, FCCM 6.1.x, or FCCM 6.2.x)
- Fraud (Mantas 5.x, FCCM 6.1.x, or FCCM 6.2.x)
- TC (Mantas 5.x, FCCM 6.1.x, or FCCM 6.2.x)
- BC (Mantas 5.x, FCCM 6.1.x, or FCCM 6.2.x)
- ECTC (Mantas 5.x, FCCM 6.1.x, or FCCM 6.2.x)
- AML with the following products:
 - Fraud (Mantas 5.x, FCCM 6.1.x, or FCCM 6.2.x)
 - KYC (1.2 or FCCM 6.2.x)
 - CTR (CTR 1.2.1)
 - FATCA(FCCM 6.2.x)
 - ECM (Mantas 5.x, FCCM 6.1.x, or FCCM 6.2.x)
- Fraud with the following products:
 - AML (Mantas 5.x, FCCM 6.1.x, or FCCM 6.2.x)

- KYC (1.2 or FCCM 6.2.x)
- CTR (CTR 1.2.1)
- FATCA(FCCM 6.2.x)
- ECM (Mantas 5.x, FCCM 6.1.x, or FCCM 6.2.x)
- TC with the following products:
 - PTA (FCCM 6.1.x or FCCM 6.2.x)
 - BC (Mantas 5.x or FCCM 6.1.x or FCCM 6.2.x)
- KYC (KYC 1.2 or FCCM 6.2.x)
- CTR (CTR 1.2.1)
- FATCA(FCCM 6.2.x)

Note: Customers who are using Oracle Mantas versions prior to 5.x should first upgrade/migrate to Oracle Mantas 5.x.

Product Matrix

The following table details which products are associated with specific release.

Table 3. Product Matrix

Product Version	Products
Mantas 5.x	<ul style="list-style-type: none"> ● Anti Money Laundering ● Fraud ● Trading Compliance ● Broker Compliance ● Energy and Commodity Trading Compliance ● Integrated Case Management
FCCM 6.1.x	<ul style="list-style-type: none"> ● Anti Money Laundering ● Fraud ● Trading Compliance ● Broker Compliance ● Energy and Commodity Trading Compliance ● Enterprise Case Management ● Personal Trading Approval

Table 3. Product Matrix (Continued)

Product Version	Products
FCCM 6.2.x	<ul style="list-style-type: none"> ● Anti Money Laundering ● Fraud ● Trading Compliance ● Broker Compliance ● Energy and Commodity Trading Compliance ● Enterprise Case Management ● Know Your Customer ● Personal Trading Approval ● Foreign Account Tax Compliance Act Management
KYC 1.2	Know Your Customer
CTR 1.2.1	Currency Transaction Reporting

Deployment Options

Customers who are using more than one product separately or grouped logically from the Oracle Mantas or FCCM suite of products can install them separately or grouped logically(in-line with the Source Install) in different OFS BD 8.0.1.0.0 Installs. This installation is based on their operational, security, performance and compliance needs, and Hardware capacity in addition to their source grouping.

The following options depict the possible deployment of Target Install in-line with the Source Install:

- Source Product Grouping - Target Product Grouping - Option 1
- Source Product Grouping-Target Product Grouping - Option 2
- Source Product Grouping-Target Product Grouping - Option 3

Source Product Grouping - Target Product Grouping - Option 1

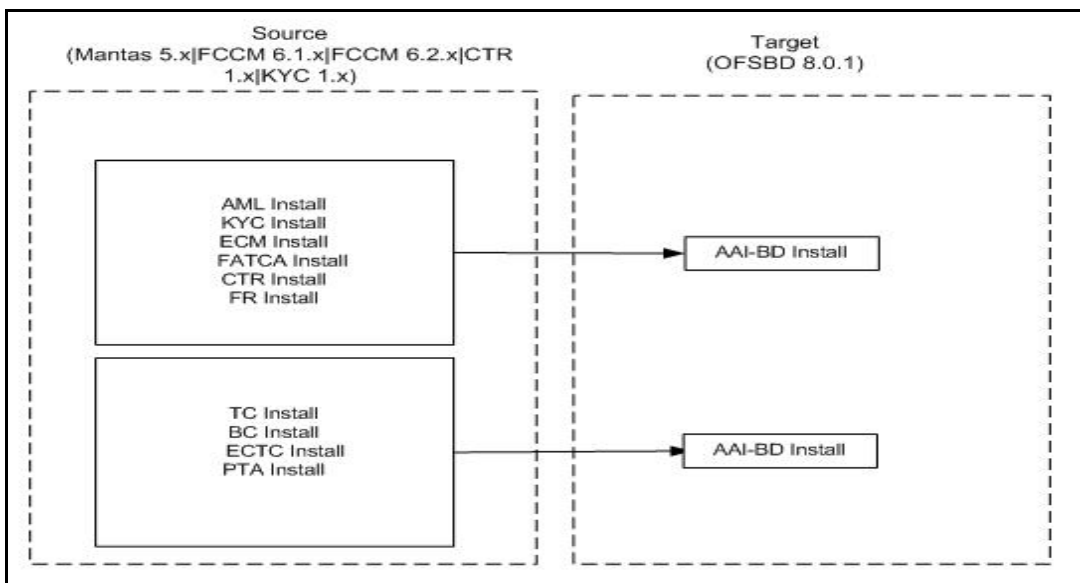


Figure 1. Source Product Grouping-Target Product Grouping - Option 1

Note: If FCCM 6.1.x and KYC 1.2 are in the same Source AAI install, they should be moved into a single BD Install.

Source Product Grouping-Target Product Grouping - Option 2

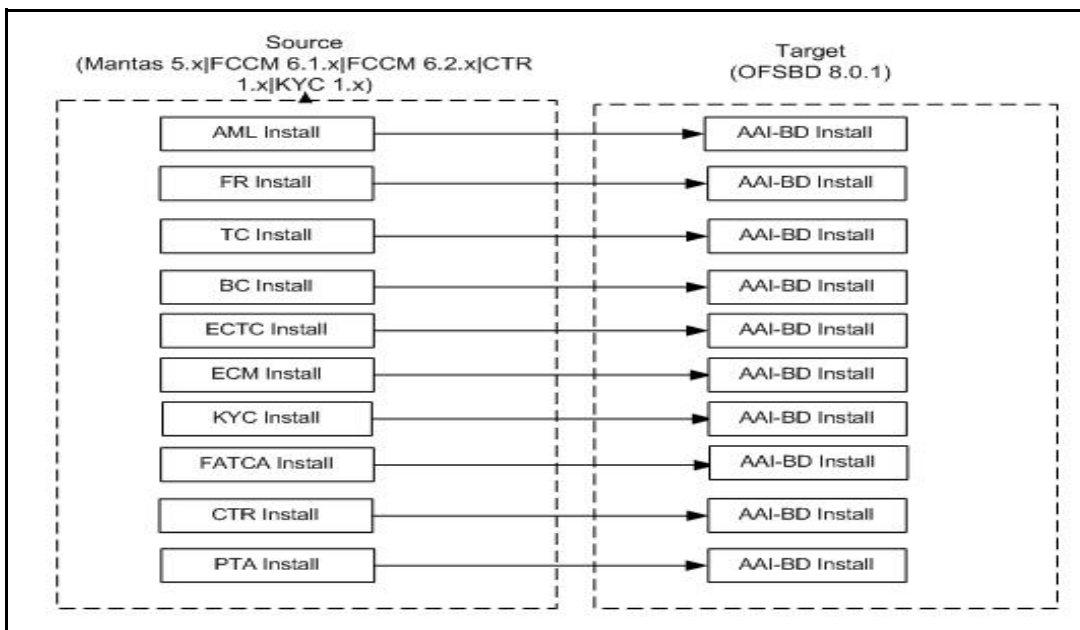


Figure 2. Source Product Grouping-Target Product Grouping - Option 2

Source Product Grouping-Target Product Grouping - Option 3

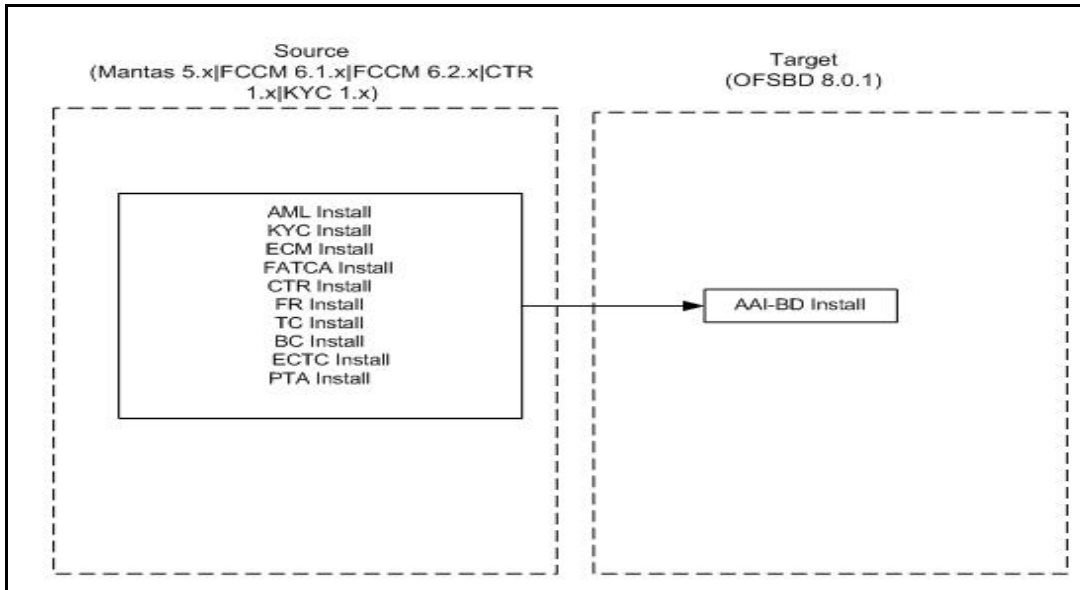


Figure 3. Source Product Grouping-Target Product Grouping - Option 3

This chapter describes the migration activities to be performed for migrating the Source Install to the Target Install and also includes the following sections:

- Migration Process Sequence
- Product Specific Migration Steps

Migration Process Sequence

The following table describes the Migration Process Sequence.

Table 4. Migration Process Sequence

S.No	Migration Activity At	Mode	Process Name	Pre Requisite	Process Summary
1	Target Staging and Target	Manual	<i>Preparing for Migration</i>		<p>Keep the Migration Guide and available utilities ready for use in the Target Staging system.</p> <p>Keep the OFS BD 8.0.1.0.0 Installer, <i>Installation Guide</i> and other reference guides ready for use in target system.</p> <p>Note: The 'Target Staging' environment is the copy of the Production Database(Source) and this is the base for the migrations.</p>
2	Target Staging	Manual	<i>Preparing Target Staging Database - Clone Production DB</i>	1	<p>Create a copy of the Production Database - PROD-TARGET STAGING.</p> <p>This is called as 'Target Staging' environment and is the base / Source for migration.</p>
3	Target Staging	Scripts	<i>Preparing Target Staging Database - DB DDL Upgrade</i>	2	<p>Run consolidated database DDL upgrade script on the PROD-TARGET STAGING.</p> <p>On successful execution, the PROD-TARGET STAGING table structures in multiple schemas will be same as the BD 8.0.1.0.0 table structure in the consolidated schema.</p>

Table 4. Migration Process Sequence

S.No	Migration Activity At	Mode	Process Name	Pre Requisite	Process Summary
4	Target Staging	Manual	Preparing Source Install - Clone AAI Install	1	Clone Production AAI Source Install. Applicable only for FCCM 6. x / KYC 1.2 / CTR 1.2.1 Installs - To enable Custom AAI App Metadata Migration.
5	Target Staging	Upgrade Kit	Preparing Target Staging Install - AAI Upgrade	4	In the Cloned Install, upgrade the AAI version to AAI 7.3.5.1 (Enabled by AAI Upgrade Installer - Multi Step Process). Applicable only for FCCM 6.x / KYC 1.2 / CTR 1.2.1 Installs - To enable Custom AAI App Metadata Migration.
6	Target	Manual	Preparing Target - Install BD 8.0.1.0.0	1	Install OFS BD 8.0.1.0.0 (Unified Schema). This works as the Target System for migrations.
7	Target	Manual	Setting Target Install - AAI User Migration	5 and 6	Setup End Users on Target System (OFS BD 8.0.1.0.0) <ul style="list-style-type: none"> ● KYC 1.2 Users ● FCCM 6.x Users and PTA Users ● CTR 1.2.1 Users
8	Target	Macro / Manual	Setting Target Install - Mantas User Setup and Privileges Migration	6	Transition of user / role access permissions from LDAP to OFSBD 8.0.1.0.0 System. <ul style="list-style-type: none"> ● Mantas 5.x
9	Source/ Target	Scripts	Migrating Custom Scenarios	3 and 8	Refer to the Administration and Configuration Guide to load and Configure Custom Scenarios from Production Source(5.x/ 6.1.x / 6.2.x) System to Target System. <ul style="list-style-type: none"> ● Mantas 5.x ● FCCM 6.1.x ● FCCM 6.2.x.x

Table 4. Migration Process Sequence

S.No	Migration Activity At	Mode	Process Name	Pre Requisite	Process Summary
10	Target Staging	Scripts / Manual	<i>Migrating Custom Alert Workflow</i>	9	<p>Post Data Migration, Utilities are provided for migrating following data.</p> <ul style="list-style-type: none"> ● Custom Metadata Migration for Mantas 5.x ● Custom Metadata Migration FCCM 6.x
11	Target Staging	Scripts	<i>Data Migration - Mantas 5.x Case Migration</i>	10	<p>Post Data Migration, Utilities are provided for migrating following data.</p> <ul style="list-style-type: none"> ● Mantas 5.x Case Migration
12	Target Staging -Target	Custom Scripts	<i>Data Migration - Core</i>	11	<p>Perform Data Migrations from PROD-Target Staging to Target DB.</p> <p>Consulting team can use any of the following migration methods for data migration:</p> <ol style="list-style-type: none"> 1. DIH 2. Scripts created by Consulting 3. Export and Import <p>Note: It is recommended to use DIH method.</p>
13	Target	Scripts	<i>Data Migration - KYC 1.2 Case Migration</i>	12	<p>Post Data Migration, Utilities are provided for migrating the following data.</p> <ul style="list-style-type: none"> ● KYC 1.2 Assessment ● Case Migration to BD 8.0.1.0.0
14	Target	Scripts / Manual	<i>Data Migration - Documents from Database</i>	12	<p>Post Data Migration, Utilities are provided for migrating the following data.</p> <p>Mantas 5.x Document Migration to BD 8.0.1.0.0</p>

Table 4. Migration Process Sequence

S.No	Migration Activity At	Mode	Process Name	Pre Requisite	Process Summary
15	Target Staging and Target	Manual	<i>Data Migration-Docum ent from Source File System</i>	12	Document Migration to BD 8.0.1.0.0. <ul style="list-style-type: none"> ● FCCM 6.1.x ● FCCM 6.2.x ● CTR 1.2.1 ● KYC 1.2
16	Target	Product UI / Manual	<i>Setting Target Install - Administration and Configuration</i>	8 and 15	Refer to the <i>Administration and Configuration Guide</i> to setup all Subsystems. <ol style="list-style-type: none"> 4. General OS, DB, Java Services Setup 5. Users and Privileges 6. Application Parameters 7. Staging 8. Data Upload Requirements 9. Consolidated Task - Process - Run Execution for all Subsystems <ul style="list-style-type: none"> ● Ingestion ● Detection / Assessment ● Post Processing ● EOD
17	Target Staging	Scripts	<i>AAI Application Metadata Migration - Export</i>	5 and 16	AAI App Metadata Migration Assessment, Scope Finalization, Consolidation, and Export <p>Applicable only for FCCM 6.x KYC 1.2 CTR 1.2.1 Installs - To enable Custom AAI App Metadata Migration.</p> <p>You can plan the AAI application Metadata Migration before or after Dry Run I depending on the priority.</p> <p>Oracle recommends that you complete the analysis and decide the scope of AAI application metadata migration and migrate them before Dry Run - I.</p>

Table 4. Migration Process Sequence

S.No	Migration Activity At	Mode	Process Name	Pre Requisite	Process Summary
18	Target	Scripts	<i>AAI Application Metadata Migration - Import</i>	17,6	<p>AAI App Metadata Migration Assessment, Scope Finalization, Consolidation, and Export</p> <p>Applicable only for FCCM 6.x / KYC 1.2 / CTR 1.2.1 Installs - To enable Custom AAI App Metadata Migration.</p> <p>You can plan the AAI application Metadata Migration before or after Dry Run I depending on the priority.</p> <p>Oracle recommends that you complete the analysis and decide the scope of AAI application metadata migration and migrate them before Dry Run - I.</p>

Table 4. Migration Process Sequence

S.No	Migration Activity At	Mode	Process Name	Pre Requisite	Process Summary
19	Target	System Exec	<i>Dry Run I</i>	16	End-to-End Verification of the Target Install. 1. AML 2. Fraud 3. TC 4. BC 5. ECTC 6. KYC 7. CTR 8. FATCA 9. PTA 10.ECM
20	Target	System Exec	<i>Dry Run II</i>	18	End-to-End Verification of the Target Install. 1. AML 2. Fraud 3. TC 4. BC 5. ECTC 6. KYC 7. CTR 8. FATCA 9. PTA 10.ECM Plan for Dry Run II if AAI Application Metadata migration is completed after Dry Run - I

Product Specific Migration Steps

The following table depicts the product specific migration process sequence applicability.

Table 5. Migration Process Sequence Applicability

Product Version	Migration Process Sequence Applicability																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Mantas 5.x	✓	✓	✓			✓		✓	✓	✓	✓	✓		✓		✓			✓	✓
FCCM 6.1.x	✓	✓	✓	✓	✓	✓	✓		✓	✓		✓			✓	✓	✓	✓	✓	✓
FCCM 6.2.x	✓	✓	✓	✓	✓	✓	✓		✓	✓		✓			✓	✓	✓	✓	✓	✓
KYC 1.2	✓	✓	✓	✓	✓	✓	✓					✓	✓		✓	✓	✓	✓	✓	✓
CTR 1.2.1	✓	✓	✓	✓	✓	✓	✓					✓			✓	✓	✓	✓	✓	✓

This chapter explains Pre-requisites and various activities to be performed before starting the migration. It covers the following sections:

- Product Applicability
- Pre-requisite
- Preparing Migration Activities
- Verification Steps

Product Applicability

This chapter is applicable for the following list of products..

Table 6. Product Applicability

Product Version	Products	Remarks
Mantas 5.x	<ul style="list-style-type: none"> ● AML ● Fraud ● TC ● BC ● ECTC 	Plan to migrate all products from a Source install together.
FCCM 6.1.x	<ul style="list-style-type: none"> ● AML ● Fraud ● TC ● BC ● ECTC ● ECM ● PTA 	Plan to migrate all products from a Source install together.
FCCM 6.2.x	<ul style="list-style-type: none"> ● AML ● Fraud ● TC ● BC ● ECTC ● ECM ● KYC ● PTA ● FATCA 	Plan to migrate all products from a Source install together.

Table 6. Product Applicability

Product Version	Products	Remarks
KYC 1.2	KYC	Plan to migrate all products from a Source install together.
CTR 1.2.1	CTR	Plan to migrate all products from a Source install together.

Pre-requisite

Ensure that you have access to MOS to download the Migration Utility and Related Documents.

Preparing Migration Activities

This section explains pre-migration activities and covers the following topics.

- Obtaining Migration Utility
- Copying Files to Target Staging
- Copying Files to Target

Note: Ensure you have the following credentials/details of Production System(Source), Target Staging, and Target Environments.

- IP Address and machine names of Production System(Source), Target Staging, and Target System
- FTP Access
- Unix User Credentials for Production System(Source), Target Staging, and Target Systems

Obtaining Migration Utility

Download the OFS BD 8.0.1.0.0 migration utilities (`OFS_BD_801_Migration.zip`) from MOS and keep it available on the Target Staging Target and Target Environments.

Note: Target Staging environment is the cloned Production Source DB environment.

Copying Files to Target Staging

To copy and unzip the downloaded migration Utilities, follow these steps:

1. Copy the file `OFS_BD_801_Migration.zip` on the Target Staging Environment. Ensure the File transfer mode is set to default.
2. Unzip the package using the command `unzip -a OFS_BD_801_Migration.zip`.

3. The unzipped directory contains the Utilities assist in OFSBD 8.0.1.0.0 Migrations.
4. Give adequate access permission to <OFS_BD_MIGRATION_HOME> (Utility downloaded / unzipped directory Path) and its contents by running the following command.

```
chmod -R 755 <OFS_BD_MIGRATION_HOME>
```

For example `chmod -R 755 OFS_BD_801_Migration`

Copying Files to Target

To copy and unzip the downloaded migration Utilities, follow these steps:

1. Copy the file OFS_BD_801_Migration.zip on the Target Environment. Ensure the File transfer mode is set to default.
2. Unzip the package using the command `unzip -a OFS_BD_801_Migration.zip`.
3. The unzipped directory contains the Utilities assist in OFSBD 8.0.1.0.0 Migrations
4. Give adequate access permission to <OFS_BD_MIGRATION_HOME> (Utility downloaded / unzipped directory

Path) and its contents by running the following command.

```
chmod -R 755 <OFS_BD_MIGRATION_HOME>
```

For example `chmod -R 755 OFS_BD_801_Migration`

Verification Steps

Verify whether you have the following folders and files after downloading and copying OFS_BD_801_Migration.zip.

Table 7. Preparing Migration Verification Steps

Directory	Files/Sub Folder Name	Remarks
<OFS_BD_MIGRATION_HOME>/ofsbddb_ddl_upgrade/bin	OFSBD_BD_DDL_Utitlit.sh	This directory contains the script file for running consolidated DDL Upgrade changes.
<OFS_BD_MIGRATION_HOME>/ofsbddb_ddl_upgrade/db_scripts	<ul style="list-style-type: none"> ● mantas_schema ● bus_mkt_schema ● ctr_schema ● kyc_schema 	<p>This directory contains the required configuration files (CFG) and SQL files required for DDL upgrades from Mantas 5.x/ FCCM 6.x to OFS BD 8.0.1.0.0.</p> <p>This has sub-folders for each release. The present list is - 5.5, 5.7, 5.7.1, 5.7.2, 5.8, 5.8.1, 5.9, 6.1, 6.1.1, 6.2, 8.0, 8.0.1</p>

Table 7. Preparing Migration Verification Steps

Directory	Files/Sub Folder Name	Remarks
<OFS_BD_MIGRATION_HOME>/ofsbd_db_ddl_upgrade/db_tools	<ul style="list-style-type: none"> ● / bin ● /logs ● / mantas_cfg ● / lib 	Integrated DB Builder utility for executing Database scripts.
<OFS_BD_MIGRATION_HOME>/doc_migration	<ul style="list-style-type: none"> ● /bin ● /logs ● lib ● db_scripts ● conf 	This directory / sub directories contains document migration related - <ul style="list-style-type: none"> ● script files in / bin folder ● Jar files required in / lib folder ● SQL script files in / db_scripts folder ● Utility execution logs are generated in /logs folder. ● conf folder contains log4j xml configuration file
<OFS_BD_MIGRATION_HOME>/Kyc_1.x_migration	<ul style="list-style-type: none"> ● /bin ● /logs ● /db_scripts 	This directory / sub directories contains KYC 1.2 migration related - <ul style="list-style-type: none"> ● Script files in / bin folder ● SQL scripts in / db_scripts folder ● Utility execution logs are generated in / logs folder
<OFS_BD_MIGRATION_HOME>/integrated_cm_migration	<ul style="list-style-type: none"> ● /bin ● /logs ● /lib ● /db_scripts 	This directory / sub directories contains Case Migration related- <ul style="list-style-type: none"> ● Script files in / bin folder ● SQL scripts in / db_scripts folder ● Utility execution logs are generated in / logs folder.
<OFS_BD_MIGRATION_HOME>/ofsbd_custom_metadata_migration	<ul style="list-style-type: none"> ● /bin ● /logs ● /conf ● db_scripts 	This directory / sub directories contains Custom BD metadata migration related- <ul style="list-style-type: none"> ● Script files in / bin folder ● SQL scripts in / db_scripts folder ● Utility execution logs are generated in / logs folder ● Conf folder contains the configuration files
<OFS_BD_MIGRATION_HOME>/ldap_data_migration	conf	This directory / sub directories contains configuration / excel Macros required for LDAP Data Migrations from Mantas 5.x.

Preparing Target Staging Database - Clone Production DB

This chapter provides the step-by-step instruction to set up the copy of the Production Database. This production copy is the Source Data base to migrate data from Source to Target Install. It covers the following sections:

- Product Applicability
- Pre-requisites
- Cloning Source Production DB Schemas
- Verification Steps

Product Applicability

This chapter is applicable for the following list of products.

Table 8. Cloning Production DB Product Applicability

Product Version	Products	Remarks
Mantas 5.x	<ul style="list-style-type: none">● AML● Fraud● TC● BC● ECTC	Plan to migrate all products from a Source install together.
FCCM 6.1.x	<ul style="list-style-type: none">● AML● Fraud● TC● BC● ECTC● ECM● PTA	Plan to migrate all products from a Source install together.

Table 8. Cloning Production DB Product Applicability

Product Version	Products	Remarks
FCCM 6.2.x	<ul style="list-style-type: none"> ● AML ● Fraud ● TC ● BC ● ECTC ● ECM ● KYC ● PTA ● FATCA 	Plan to migrate all products from a Source install together.
KYC 1.2	KYC	Plan to migrate all products from a Source install together.
CTR 1.2.1	CTR	Plan to migrate all products from a Source install together.

Pre-requisites

This section helps you to understand the pre-requisites required to prepare the Target Staging database for migration.

1. Ensure the Database Instance is created with same set of Database Parameters as they were set in Production.
2. Ensure the schemas in Production version are created in the copy of the production DB.

The following table provides information on schema and product details.

Table 9. Schema and Product Details

Schema Name	Products	Product Version
Mantas	This Schema required by AML, Fraud, TC, BC, ECTC, FATCA, and CTR applications.	Applicable for the following product versions: <ul style="list-style-type: none"> ● Mantas 5.x ● FCCM 6.1 ● FCCM 6.2.x
Market	This Schema required by AML, Fraud, TC, BC, ECTC, FATCA, and CTR applications.	Applicable for the following product versions: <ul style="list-style-type: none"> ● Mantas 5.x ● FCCM 6.1 ● FCCM 6.2.x

Table 9. Schema and Product Details

Schema Name	Products	Product Version
Business	This Schema requires by AML, Fraud, TC, BC, ECTC, FATCA, CTR, and KYC applications.	Applicable for the following product versions: <ul style="list-style-type: none"> ● Mantas 5.x ● FCCM 6.1 ● FCCM 6.2.x ● CTR 1.2.1
Case Management	This Schema required by ECM application.	Applicable for the following product versions: <ul style="list-style-type: none"> ● FCCM 6.1 ● FCCM 6.2.x
CTR	This Schema required by CTR application.	Applicable for the following product version CTR 1.2.1
FSDF - Staging	This Schema required by AML, Fraud, TC, BC, and ECTC applications.	Applicable for the following product version FCCM 6.2.x
KDD	This Schema required by AML, Fraud, TC, BC,ECTC and FATCA applications	Applicable for the following product versions: <ul style="list-style-type: none"> ● Mantas 5.x ● FCCM 6.1 ● FCCM 6.2.x
KDD MNR	This Schema required by AML, Fraud, TC, BC, and ECTC applications.	Applicable for the following product versions: <ul style="list-style-type: none"> ● Mantas 5.x ● FCCM 6.1.x ● FCCM 6.2.x
KDD ALG	This Schema required by AML, Fraud, TC, BC, and ECTC applications.	Applicable for the following product versions: <ul style="list-style-type: none"> ● Mantas 5.x ● FCCM 6.1 ● FCCM 6.2.x
KDD Web	This Schema required by AML, Fraud, TC, BC, and ECTC applications.	Applicable for the following product versions: <ul style="list-style-type: none"> ● Mantas 5.x ● FCCM 6.1.x ● FCCM 6.2.x
KDD Report	This Schema required by AML, Fraud, TC, BC, and ECTC applications.	Applicable for the following product versions: <ul style="list-style-type: none"> ● Mantas 5.x ● FCCM 6.1.x ● FCCM 6.2.x

Table 9. Schema and Product Details

Schema Name	Products	Product Version
Ingestion	This Schema required by AML, Fraud, TC, BC, and ECTC applications.	Applicable for the the following product versions: <ul style="list-style-type: none"> ● Mantas 5.x ● FCCM 6.1.x ● FCCM 6.2.x
KYC	This Schema required by KYC application.	Applicable for the following product versions: <ul style="list-style-type: none"> ● FCCM 6.2.x ● KYC 1.2
DB UTIL	This Schema required by AML, Fraud, TC, BC, and ECTC applications.	Applicable for the following product versions: <ul style="list-style-type: none"> ● Mantas 5.x ● FCCM 6.1.x ● FCCM 6.2.x
PURGE	This Schema required by AML, Fraud, TC,BC, and ECTC applications	Applicable for the following product versions: <ul style="list-style-type: none"> ● Mantas 5.x ● FCCM 6.1.x ● FCCM 6.2.x

Note: Ensure that the required Table Space Setup for each schema is in place.

Cloning Source Production DB Schemas

1. Create a database dump of the Production Database for required schemas. Use the Oracle Database Export Utility to perform this task.
2. Create a copy of the Production Database for the required schemas. Use the Oracle Database Import Utility to restore.

Verification Steps

Use the following checklist to verify your progress.

Table 10. Preparing Target Staging Database - Pre-requisites Verifying Steps

S. No	Task	Completed Y/N	Remarks
1	Verify Export Logs and ensure no exceptions/errors.		
2	Verify Import Logs and ensure no exceptions/errors.		
3	Compare the DB Object Status in the Production and Production Copy Database created.		

Preparing Target Staging Database - DB DDL Upgrade

This chapter provides the information to upgrade individual schema data structures to the OFS BD 8.0.1.0.0 state. However, the utility does not consolidate the multiple schema structure into a single unified schema. It covers the following sections:

- Product Applicability
- Pre-requisites
- Managing DDL Upgrade
- Verification Steps
- FAQs

Product Applicability

This chapter is applicable for the following list of products.

Table 11. DB DDL Upgrade Product Applicability

Product Version	Products	Remarks
Mantas 5.x	<ul style="list-style-type: none">● AML● Fraud● TC● BC● ECTC	Plan to migrate all products from a Source install together.
FCCM 6.1.x	<ul style="list-style-type: none">● AML● Fraud● TC● BC● ECTC● ECM● PTA	Plan to migrate all products from a Source install together.

Table 11. DB DDL Upgrade Product Applicability

Product Version	Products	Remarks
FCCM 6.2.x	<ul style="list-style-type: none"> ● AML ● Fraud ● TC ● BC ● ECTC ● ECM ● KYC ● PTA ● FATCA 	Plan to migrate all products from a Source install together.
CTR 1.2.1	CTR	Plan to migrate all products from a Source install together.

Pre-requisites

1. Ensure the activities mentioned in [Chapter 3, Preparing for Migration](#) are completed successfully.
2. Ensure the activities mentioned in [Chapter 4, Preparing Target Staging Database - Clone Production DB](#) are completed successfully.
3. Ensure Production Copy database Schema details, table space and DB role object details are available.
4. Ensure `.profile` set for the environment variable `ORACLE_HOME`, `JAVA_HOME`, `TNS_ADMIN`, `ORACLE_HOME/bin`.

Managing DDL Upgrade

This section explains how to upgrade Target Staging system data structures to 8.0.1.0.0 data structures in the respective schemas.

This section covers following topics:

- Preparing for DDL Upgrades
- Executing of DDL Upgrade Utility

Preparing for DDL Upgrades

To prepare for DDL upgrades, follow these steps.

1. Set up `install.cfg` file –open the file `install.cfg` from the location.

```
<OFS_BD_MIGRATION_HOME>/ofsbd_db_ddl_upgrade/db_tools/mantas_cfg /install.cfg
```

for updating the placeholders described in the following table.

Table 12. Placeholder Details

S.No	Place Holder Name	Value to be Replaced with
1	utils.database.urlName	Update the variable pointing to production copy database instance name. For example, jdbc:oracle:thin:@ofss222582.in.oracle.com:1521:orcl
2	@db_util_schema_user@	DB Util Schema User For example, db_util_user
3	@alert_management_schema_user@	Alert Management Atomic Schema User. For example, am_user
4	@kdd_miner_schema_user@	KDD Miner Schema User For example, kdd_miner_user
5	@business_schema_user@	Business Schema User For example, business_user
6	@market_schema_user@	Market Schema User For example, market_user
7	@ingest_schema_user@	Ingestion Schema User For example, ingest_user
8	@kdd_schema_user@	KDD Schema User For example, kdd_user
9	@case_schema_user@	Case Management Atomic Schema User. If the case Source version is Mantas 5.x, then give new the Schema name, the utility creates the Schema with the new name mentioned. Otherwise (FCCM 6.x and above) provide the existing Case Schema Name. For example, case_user

Following are the additional placeholders:

Note: You should not edit these variables.

- @OFS_BD_MIGRATION_HOME@
- db_tools.tokenfile
- Oracle.DuplicateRow
- Oracle.ObjectExists
- Oracle.ObjectDoesNotExist
- dbscript.execution.users
- log.message.library
- log.categories.file.path

- log.default.location
2. Set up the db_variables.cfg file – Open the file db_variables.cfg from the location <OFS_BD_MIGRATION_HOME>/ofsbd_db_ddl_upgrade/db_tools/mantas_cfg/db_variables.cfg for updating the place holders described in the following table.

Table 13. Placeholder Details

S.No	Place Holder Name	Value to be Replaced with
1	@alert_management_schema_user@	Alert Management Atomic Schema User. For example, mantas_user
2	@kdd_schema_user@	KDD Schema User For example, kdd_user
3	@business_schema_user@	Business Schema User For example, business_user
4	@market_schema_user@	Market Schema User For example, market_user
5	@kdd_web_schema_user@	KDD Web Schema User For example, kdd_web_user
6	@kdd_algorithm_schema_user@	KDD Algorithm User For example, kdd_alg_user
7	@kdd_miner_schema_user@	KDD Miner Schema User For example, kdd_miner_user
8	@ingest_schema_user@	Ingestion Schema User For example, ingest_user
9	@db_util_schema_user@	DB Util Schema User For example, db_util_user
10	@kdd_report_schema_user@	KDD Report Schema User For example, kdd_report_user
11	@case_schema_user@	Case Management Atomic Schema User. If Source version is Mantas 5.x then give the new Schema name, the utility creates the Schema with the new name mentioned. Otherwise (FCCM 6.x and above) provide existing Case Schema Name. For example, case_user
12	@kyc_schema_user@	KYC Atomic Schema User. If source version is FCCM 6.2.x or higher, provide existing Schema Name. For example, kyc_user

Table 13. Placeholder Details

S.No	Place Holder Name	Value to be Replaced with
13	@fsdf_schema_user@	FSDF Atomic Schema User. If Source version is Mantas 5.x / FCCM 6.1.x provide new Schema name and the utility creates the Schema and for FCCM 6.2.x and above, provide existing Schema Name. For example, fsdf_user
15	@purge_schema_user@	Purge Schema User If Source version is Mantas 5.x / FCCM 6.1.x provide new Schema name and the utility creates the Schema and for FCCM 6.2.x and above, provide existing Schema Name. For example, purge_user
16	@altio_schema_user@	Altio Schema User For example, kdd_altio_user
17	@ctr_schema_owner@	CTR Schema User If Source version is FCCM 6.1x. or higher and CTR 1.2.1 have been deployed, provide existing Schema Name. For example, ctr_user
16	@kdd_algorithm_role@	KDD Algorithm Role For example, kdd_algorithm_role
17	@kdd_analyst_role@	KDD Analyst Role For example, kdd_analyst_role
18	@kdd_miner_role@	KDD Miner Role For example, kdd_miner_role
19	@kdd_reader_role@	KDD Reader Role For example, kdd_reader_role
20	@kdd_loader_role@	KDD Loader Role For example, kdd_loader_role
21	@mantas_reader_role@	Mantas Reader Role For example, mantas_reader_role
22	@mantas_loader_role@	Mantas Loader Role For example, mantas_loader_role
23	@data_reader_role@	Data Reader Role For example, data_reader_role

Table 13. Placeholder Details

S.No	Place Holder Name	Value to be Replaced with
24	@data_loader_role@	Data Loader Role For example, data_loader_role
25	Table Space/Index tables space/ Business/Market Table spaces	Set these values appropriately as per your source Database.
26	CHANGE_ME	This variable should be replaced with the actual path of database .dbf files.
27	Daily / Monthly / Weekly Partition Names and Dates and partition date format.	Set these appropriately as per your source database.

Executing of DDL Upgrade Utility

To execute the DDL upgrade utility, follow these steps.

1. Go to the <OFS_BD_MIGRATION_HOME>/ofsbdbddlupgrade/bin folder.
2. Edit env.sh file, replace <OFS_BD_MIGRATION_HOME> with the actual path where you unzipped this utility (For example, /home/user/OFS_BD_801_Migration).
3. Run substitute_token.sh located in <OFS_BD_MIGRATION_HOME>/ofsbdbddlupgrade/bin directory. This script replaces the variable @OFS_BD_MIGRATION_HOME@ with the actual path in the concerned *.cfg files under <OFS_BD_MIGRATION_HOME>/ofsbdbddlupgrade directory.
4. Run the following command ./BD_DBDDLUpgrade.sh to bring the database table structure to 8.0.1.0.0
 - a. Utility prompts for the Source/base version as follows:

```
SCRIPT EXECUTION
=====
Which version of the product is being used currently?
1) Mantas 5.0
2) Mantas 5.5
3) Mantas 5.7.1
4) Mantas 5.7.2
5) Mantas 5.8
6) Mantas 5.8.1
7) Mantas 5.9
8) Mantas 5.9.0.1
9) FCCM 6.1.0.x
10) FCCM 6.1.x.x
11) FCCM 6.2
12) FCCM 6.2.1
13) FCCM 6.2.2
14) FCCM 6.2.3
15) FCCM 6.2.4
16) FCCM 6.2.5
17) FCCM 8.0
Please enter the option number:
```

Figure 4. Utility

5. Enter the option number.
 - a. Key in the appropriate option number. (For example, if you are currently on Mantas 5.5 put in the option as 2. The utility will start executing and prompt you for required users and passwords. Enter the information as prompted.

Note:

- If the user keys in the number corresponding to any of the 6.1.x versions then the utility further prompts *if CTR 1.2.1 is also deployed or not*. If user responds with *Y* then it also upgrades the CTR 1.2.1 schema to 8.0.1 version.
- If the user keys in the number corresponding to any of the 6.2, 6.2.x, or 8.0 version then besides prompting for CTR 1.2.1 the utility also prompts *if KYC 2.0 is also deployed or not*. If user responds with *Y* then it also upgrades the KYC 2.0 schema to the 8.0.1 version.
- If you are upgrading from Mantas 5.0, then as part of the upgrade process in one of the 5.5 delta SQLs you are dropping the Account table and recreating it unpartitioned. After the completion of upgrade process, you need to do a full refresh through the Ingestion Manager.

- b. Check the logs `db_builder.log`, `db_builder_sql.log` for script execution status at the following location.

```
<OFS_BD_MIGRATION_HOME>/ofsbd_db_ddl_upgrade/db_tools/logs
```

- c. If there are any unhandled errors present in the above log files, need to correct the errors manually and re-run the utility.

Note: If you have applied hotfix 6.1.0.1.5 or 6.1.0.2.0 ML in an ECM6.1 environment or ran PR_14810694.mantas.sql once (called in delta_plat6.1.1.cfg) as part of this upgrade process and need to re-run the utility due to any reason you need to first comment out PR_14810694.mantas.sql in the delta_plat6.1.1.cfg file under \$OFS_BD_MIGRATION_HOME/ofsbdddbddlupgrade/db_scripts/bus_mkt_schema/delta/oracle/6.1.1/ folder.

Verification Steps

Use the following checklist to verify your progress.

Table 14. Preparing Source Database - DB DDL Upgrade Verification Steps

S. No	Task	Completed Y/N	Remarks
1	<p>Ensure the Database objects are upgraded to 8.0.1.0.0 with no unhandled errors.</p> <p>Note: Refer to <OFS_BD_MIGRATION_HOME>/ofsbdddbddlupgrade/db_tools/logs for the status of script executions.</p>		

FAQs

- During execution of the script *BD_DBDDLUpgrade.sh* got message on console as "File Not found".

Do a check and ensure that 755 permissions given on the folder <OFS_BD_MIGRATION_HOME> .
- During execution of the script *BD_DBDDLUpgrade.sh* "Unable to connect to the Schema".

Do a check and ensure that the files <OFS_BD_MIGRATION_HOME>/ofsbdddbddlupgrade/db_tools/install.cfg, db_variables.cfg are updated with the Proper Schema Name/credentials which exist on the Production Database Copy.
- During DDL upgrade, does the Utility Consolidates the Schema's into Single (Unified) Schema status of OFS BD 8.0.1.0.0 ?

No, the utility does not bring them into Single /Unified Schema status of OFS BD 8.0.1.0.0 Instead the data structures are updated across multiple Schemas.

For more information, refer *Table 9* Schema and Product Details for Schema Details.

Preparing Source Install - Clone AAI Install

The AAI production environment should be cloned to enable Custom AAI Application Metadata Migration and User Migration. The cloned environment is the source for the migration.

This chapter explains how to clone AAI Production Environment and covers following sections:

- Product Applicability
- Pre-requisites
- Cloning AAI Production Environment
- Verification Steps
- FAQs

Product Applicability

This chapter is applicable for the following list of products.

Table 15. Install Pre-requisites Product Applicability

Product Version	Applicable Products	Deployed OFSAAI Version/s	Remarks
FCCM 6.1	<ul style="list-style-type: none">● AML● Fraud● TC● BC● ECTC● ECM● PTA	7.3	
FCCM 6.1.1	<ul style="list-style-type: none">● AML● Fraud● TC● BC● ECTC● ECM● PTA	7.3	

Table 15. Install Pre-requisites Product Applicability

Product Version	Applicable Products	Deployed OFSAAI Version/s	Remarks
FCCM 6.1.2	<ul style="list-style-type: none"> ● AML ● Fraud ● TC ● BC ● ECTC ● ECM ● PTA 	7.3.2.2	
FCCM 6.1.3	<ul style="list-style-type: none"> ● AML ● Fraud ● TC ● BC ● ECTC ● ECM ● PTA 	7.3.3.1.0	
FCCM 6.2.1	KYC and FATCA	7.3.3	
FCCM 6.2.2	KYC and FATCA	7.3.3.1.0	
FCCM 6.2.3	KYC and FATCA	7.3.4.1.0	
FCCM 6.2.4	KYC and FATCA	7.3.4.1.0	
FCCM 6.2.5	KYC and FATCA	7.3.5.1.0	
KYC 1.2	KYC	7.3	
CTR 1.2.1	CTR	7.3	

Pre-requisites

1. Ensure the AAI 7.3.x cloning artifacts are downloaded and ready.
2. Ensure the Server (LINUX/AIX/SOLARIS) user in cloning environment is created in K-Shell with “chmod 755” permissions.
3. Ensure the ports are available in the cloning environment before updating the port numbers.
4. Ensure the pre-requisite software such as Java, Oracle Database, and Web server (Tomcat /Websphere / Weblogic) are installed in the cloning environment in similar way to production environment.
5. Ensure the Config schema and same number of atomic schema have been created with the same grants as the Production environment.

Cloning AAI Production Environment

Clone the OFSAAI 7.3.x environment.

For cloning AAI 7.3.x environments, refer to the [Environment Cloning Guide](#).

Verification Steps

Use the following checklist to verify your progress.

Table 16. Preparing Source Install - Clone AAI Install Verification Steps

S. No	Task	Completed Y/N	Remarks
1	Ensure AAI Web Archive file (ear) deployed Successfully.		
2	Ensure all AAI and Web Application Servers are started successfully on the new cloned environment.		
3	Ensure you were able to login to AAI application using SYSADMN user.		

FAQs

1. *Unable to start AAI -Application server, receiving able to bind to Java Port.*

Check and ensure the mentioned /updated ports are available in the cloning environment.

Preparing Target Staging Install - AAI Upgrade

This chapter describes how to upgrade the Source AAI Install. To enable AAI custom metadata migrations from the Source to Target System (OFSBD 8.0.1.0.0), upgrade the cloned AAI version to AAI 7.3.5.1.x. It includes following sections:

- Pre-requisitesProduct Applicability
- Pre-requisites
- Pre-requisitesUpgrading Cloned AAI Production Environment
- Verification Steps

Product Applicability

This chapter is applicable for the following list of products.

Table 17. AAI Upgrade Product Applicability

Product Version	Applicable Products	Deployed OFSAAI Version/s	Remarks
FCCM 6.1	<ul style="list-style-type: none"> ● AML ● Fraud ● TC ● BC ● ECTC ● ECM ● PTA 	7.3	
FCCM 6.1.1	<ul style="list-style-type: none"> ● AML ● Fraud ● TC ● BC ● ECTC ● ECM ● PTA 	7.3	

Table 17. AAI Upgrade Product Applicability

Product Version	Applicable Products	Deployed OFSAAI Version/s	Remarks
FCCM 6.1.2	<ul style="list-style-type: none"> ● AML ● Fraud ● TC ● BC ● ECTC ● ECM ● PTA 	7.3.2.2	
FCCM 6.1.3	<ul style="list-style-type: none"> ● ML ● Fraud ● TC ● BC ● ECTC ● ECM ● PTA 	7.3.3.1.0	
FCCM 6.2.1	<ul style="list-style-type: none"> ● AML ● Fraud ● TC ● BC ● ECTC ● ECM ● PTA ● KYC ● FATCA 	7.3.3	
FCCM 6.2.2	<ul style="list-style-type: none"> ● AML ● Fraud ● TC ● BC ● ECTC ● ECM ● PTA ● KYC ● FATCA 	7.3.3.1.0	

Table 17. AAI Upgrade Product Applicability

Product Version	Applicable Products	Deployed OFSAAI Version/s	Remarks
FCCM 6.2.3	<ul style="list-style-type: none"> ● AML ● Fraud ● TC ● BC ● ECTC ● ECM ● PTA ● KYC ● FATCA 	7.3.4.1.0	
FCCM 6.2.4	<ul style="list-style-type: none"> ● AML ● Fraud ● TC ● BC ● ECTC ● ECM ● PTA ● KYC ● FATC 	7.3.4.1.0	
FCCM 6.2.5	<ul style="list-style-type: none"> ● AML ● Fraud ● TC ● BC ● ECTC ● ECM ● PTA ● KYC ● FATC 	7.3.5.1.0	
KYC 1.2	KYC	7.3	
CTR 1.2.1	CTR	7.3	

Pre-requisites

1. Ensure AAI's production clone environment is available.
2. Ensure that the required patch sets based on the AAI cloned version are downloaded from MOS to upgrade it to 7.3.5.1.
3. Ensure the following patch sets related AAI Object Migrations-SMS related USER / USER GROUPS /FUNCTIONS/ ROLES/PROFILES are downloaded from MOS.
 - a. Download the OFSAAI Migration Utility (patch 20567446)
 - b. Download the Security Management System (Administration) Object Migration patch (patch 20911491)
4. Ensure AAI application servers are down before applying the patch sets.
5. Ensure the patches are copied and provide required permissions on cloned AAI environment.

Upgrading Cloned AAI Production Environment

To upgrade a cloned AAI production environment, follow these steps:

1. Apply the above patch sets on the cloned AAI environment.
2. Verify the logs and ensure no errors were reported. In case of any errors, contact Oracle Support.

Verification Steps

Use the following checklist to verify your progress.

Table 18. Preparing Target Staging Install-AAI Upgrade Verification Steps

S. No	Task	Completed Y/N	Remarks
1	Ensure the patch sets are successfully applied on the cloned environment.		
2	Ensure the environment upgraded to AAI 7.3.5.1 version. Note: Login to AAI's Config Schema and query for INFODOM_PATCHES table to know the environment version.		
3	Ensure Web Archive file regenerated and re deployed on Web Application Server.		
4	Ensure all AAI servers started successfully and able to login to AAI application Using SYSADMIN user.		

This chapter provides details about setting the target system for migration and includes following sections:

- Product Applicability
- Pre-requisites
- Installing OFS BD 8.0.1.0.0 in the Target System
- Verification Steps

Product Applicability

This chapter is applicable for the following list of products.

Table 19. Install BD Product Applicability

Product Version	Applicable Products	Remarks
Mantas 5.x	<ul style="list-style-type: none"> ● AML ● Fraud ● TC ● BC ● ECTC 	
FCCM 6.1.x	<ul style="list-style-type: none"> ● AML ● Fraud ● TC ● BC ● ECTC ● ECM ● PTA 	
FCCM 6.2.x	<ul style="list-style-type: none"> ● AML ● Fraud ● TC ● BC ● ECTC ● ECM ● KYC ● FATCA 	
KYC 1.2	KYC	
CTR 1.2.1	CTR	

Pre-requisites

1. Ensure the Hardware and Software requirements are set as per OFSBD 8.0.1.0.0 install pre-requisites.
2. Ensure OFSBD 8.0.1.0.0 installer and related documents are downloaded and available on the target system environment.

Installing OFS BD 8.0.1.0.0 in the Target System

To install OFS BD 8.0.1.0.0 in the Target System, refer to the [Oracle Financial Services Behavior Detection Applications Pack Installation Guide](#) Release 8.0.1.0.0.

Verification Steps

Table 20. Preparing Target Verification Steps

S.No	Task	Completed Y/N	Remarks
1	Ensure OFSBD 8.0.1 installation has been done successfully by verifying the logs		
2	Ensure to that required post install activities has been completed.		
3	Ensure AAI application and Web Application Servers are up and running and were able to login to AAI using SYSADMIN.		

Setting Target Install - AAI User Migration

This chapter describes the procedure for migrating users to the OFSBD 8.0.1.0.0 System using AAI Object migration capability. It helps you migrate Users, Custom User Groups, User - User Group Mapping, User Group - Domain Mapping. It includes the following sections:

- Product Applicability
- Pre-requisites
- Managing User Migration
- Verification Steps

Product Applicability

This chapter is applicable for the following list of products.

Table 21. User Setup Migration Product Applicability

Product Version	Applicable Products	Remarks
FCCM 6.1.x	<ul style="list-style-type: none"> ● AML ● Fraud ● TC ● BC ● ECTC ● PTA ● ECM 	
FCCM 6.2.x	<ul style="list-style-type: none"> ● AML ● Fraud ● TC ● BC ● ECTC ● ECM ● KYC ● FATCA 	
KYC 1.2	KYC	
CTR 1.2.1	CTR	

Pre-requisites

1. Ensure the following activities are performed successfully.
 - *Chapter 6, Preparing Source Install - Clone AAI Install*
 - *Chapter 7, Preparing Target Staging Install - AAI Upgrade*
 - *Chapter 8, Preparing Target - Install BD 8.0.1.0.0*
2. Ensure you have the details of the SMS (User/User Groups/Functions/Roles/Profiles) needs to be migrated from the Target Staging environment to Target environment (OFS BD 8.0.1.0.0).

Managing User Migration

This section covers following topics:

- Preparing for User Migration
- Executing User Migrations
- Post User Migration Activities

Preparing for User Migration

AAI Object migration capability enables migrating of Users, Custom User Groups, User - user Group Mapping, User Group -Domain Mapping.

Read the following instructions related to the migration of these objects before starting migration:

- **Users**
- **Custom User Groups**
 - Do not migrate all user groups from source as the Target install already has the pre-packaged user groups.
 - The Pre-Packaged User Groups may have been enhanced as a part of 8.0.0.0.0 release
 - Migrate only the custom user groups created if necessary
- **User - User Group Mapping**
 - There may have been changes to the pre-packaged user groups. Thus, assess the need for auto migration from the source.
 - As part of User Migrations, the utility migrates User-User Group mapping as well providing the User Groups that are migrated to target prior to User Migrations.
 - Its recommended to do this in the Target System manually. For more information, refer to the following documents:
 - ◆ *Oracle Financial Services Analytical Applications Infrastructure v8.0.0.0.0 User Guide*
 - ◆ *Oracle Financial Services Behavior Detection Administration Guide*
 - ◆ *Oracle Financial Services Behavior Detection Configuration Guide*

- **User Group - Domain Mapping** (Only if the domain names are same in Source and Target)
 - If the Source and Target domain names are different, the mapping needs to be re-done in the target install manually

For more information, refer to the following documents:

- ◆ [Oracle Financial Services Analytical Applications Infrastructure v8.0.0.0.0 User Guide](#)
- ◆ [Oracle Financial Services Behavior Detection Administration Guide](#)
- ◆ [Oracle Financial Services Behavior Detection Configuration Guide](#)

Executing User Migrations

This section covers following topics:

- Exporting Procedure on Target Staging
- Importing Procedure on Target

The Security Management System (Administration) objects such as Users, Usergroups, Roles, Functions, and Profiles are migrated using this Migration Utility.

Following are the Administration objects and the mappings that are migrated:

- Users along with the User-Usergroup Mapping, User-Profile Mapping, and User-Attribute Mapping
- Usergroups along with the Usergroup-Role Mapping and Usergroup-Folder-Role Mapping
- Roles along with the Role-Function Mapping
- Functions
- Profiles along with the Profile-Holiday Mapping

For more information, refer to the following documents:

- ◆ [Oracle Financial Services Object Migration Utility v7.3.50.0.0 to v8.0.0.0.0 User Guide](#) for migrating Security Management System (Administration) objects mentioned in *Table 22*.
- ◆ [Oracle Financial Services Behavior Detection Administration Guide](#)

Table 22. Security Management System (Administration) Objects

SMS Object Name	Object Type ID	Dependent Objects	Remarks
USERS	2000	Usergroup and Profile	Before Migrating Users the dependent Objects mentioned are migrated to Target Environment
USERGROUP	2001	Roles	Before Migrating Users the dependent Objects mentioned are migrated to Target Environment

Table 22. Security Management System (Administration) Objects

SMS Object Name	Object Type ID	Dependent Objects	Remarks
ROLES	2002	Function	Before Migrating Users the dependent Objects mentioned are migrated to Target Environment
FUNCTION	2003		Before Migrating Users the dependent Objects mentioned are migrated to Target Environment
PROFILE	2004		Before Migrating Users the dependent Objects mentioned are migrated to Target Environment

Exporting Procedure on Target Staging

To migrate the OFSAAI Metadata Objects from Source system to the Target system, perform the following steps:

1. Login to the UNIX shell on the cloned OFSAAI instance and navigate to `FIC_HOME/utility/Migration/bin` folder on the command line terminal.
2. Execute the following command to provide execute permissions to all the folders/files present under the `FIC_HOME/utility/Migration/bin` location.

```
chmod -R 775 *
```

3. Execute the following command with all the following parameters:

```
./migrationAllobjects.sh 87644 TESTUSER en_US OFSINFODOM OFSfolder EXPORT DQA-  
RCHIVE Y "" "N" Y 2004,2003,2002,2001,2000
```

For more information, refer following documents:

- [Oracle Financial Services Object Migration Utility v7.3.50.0.0 to v8.0.0.0.0 User Guide.](#)
- [Oracle Financial Services Behavior Detection Application AAI Metadata Migration v8.0.1.0.0](#)

Importing Procedure on Target

The following activities have to be performed on the Target system.

1. Copy the exported `.DMP` file that needs to be imported to `$FIC_HOME/utility/Migration/metadata/restore` folder.

If the folder structure does not exist, create the folders manually and grant 750 permissions to the user on the folders.

2. Execute the following command to provide execute permissions to all the folders/files present under the `FIC_HOME/utility/Migration/bin` location.

```
chmod -R 775 *
```

3. Navigate to `$FIC_HOME/utility/Migration/bin` path and execute `migrateAllObjects.sh` by passing the parameter values, as follows:

```
./migrationAllobjects.sh 8860 TESTUSER en_US OFSINFODOM OFSfolder IMPORT DQAR-  
CHIVE Y Y N Y 2004, 2003,2002,2001,2000
```

For more information, refer to the following documents:

- [Oracle Financial Services Object Migration Utility v7.3.50.0.0 to v8.0.0.0.0 User Guide.](#)
- [Oracle Financial Services Behavior Detection Administration Guide](#)
- [Oracle Financial Services Behavior Detection Application AAI Metadata Migration v8.0.1.0.0](#)

Post User Migration Activities

After all users are migrated to OFSBD 8.0.1.0.0 install, follow these steps.

1. User – User Group Mapping
2. User – Domain Mapping
3. User Authorization

The migrated objects should be authorized from the OFSAAI UI. For more information, refer to the [Oracle Financial Services Analytical Applications Infrastructure v8.0.0.0.0 User Guide.](#)

Verification Steps

Use the following checklist to verify your progress.

Table 23. Setting up Target Install - Verification Steps

S.No	Task	Completed Y/N	Remarks
1	Ensure the migrated users are authorized by logging in through AAI SMS administration UI.		
2	Ensure post authorizations in SMS administration UI are able to see the SMS objects migrated from Source to Target.		
3	Ensure you are able to login and navigate the users created on the Target System to the appropriate authorized Roles.		

Setting Target Install - Mantas User Setup and Privileges Migration

This chapter describes the procedure for transitioning of user/role access permissions from LDAP to OFSBD 8.0.1 System and also covers the following sections:

- Product Applicability
- Configuring Mantas User and Privileges
- Security Management Attributes and Rule
- Verification Steps

Product Applicability

This chapter is applicable for the following list of products.

Table 24. Mantas User Setup Migration Product Applicability

Product Version	Applicable Products	Remarks
Mantas 5.x	<ul style="list-style-type: none">● AML● Fraud● TC● BC● ECTC	

Configuring Mantas User and Privileges

For all users created in OFSBD 8.0.1.0.0 Install, complete the following steps:

- Configuring User Access Permission
- User - User Group Mapping
- User - Domain Mapping
- User Authorization

Configuring User Access Permission

To configure user access permission, follow these steps:

1. User configuration data stored in the LDAP has to be manually created in Security Management System (SMS). To do this, create users and map user roles in SMS.

- For providing the access permission to the user(s), refer to the *Oracle Financial Services Behavior Detection Platform Administration Guide 8.0.1.0.0* for loading client specific organizations, creating users, and defining user access.
- In the OFS BD application 8.0.1.0.0, add a new table (KDD_ORG) to maintain the organization details.

The entries of the table should be entered after verifying the entries in LDAP.

Table 25. User access permission

Column Name	Purpose	Remarks
ORG_CD	Organization Code	For example, ORG1
ORG_NM	Organization Name	ORGNAME1
ORG_DESC_TX	Organization Description	ORGANISATION DESCRIPTION
PRNT_ORG_CD	Organization Code	
MODFY_DT	Modified Date	DATE
MODFY_ID	Modified By	USER1
COMMENT_TX	Comments	ORGANISATION

For more information, refer to the section Oracle Financial Services Data in *Oracle Financial Services Behavior Detection Platform Release 8.0.1.0.0 FSDM Volume 2*.

User - User Group Mapping

- Create users and map user groups in SMS.

For providing the access permission to the user(s), refer to the *Oracle Financial Services Behavior Detection Platform Administration Guide 8.0.1.0.0* for loading client specific organizations, creating users, and defining user access.

- Once Users are created in the target install, they need to be mapped to the user group using OFSAAI SMS user Interface.

Refer to the following table to see the mapping for existing Oracle Mantas 5.x role mappings to the OFSBD application 8.0.1.0.0 equivalent user group mapping using OFSAAI's SMS interface. For more information, refer to the *Oracle Financial Services Analytical Applications Infrastructure v8.0.0.0.0 User Guide*.

Table 26. Role User Group Mapping

V_ROLE_CODE (5.x)	User Group Name (8.0.1.0.0)
AMANALYST1	AM Analyst I User Group
AMANALYST2	AM Analyst II User Group
AMANALYST3	AM Analyst III User Group
AMSUPVISR	AM Supervisor User Group
AMEXCUTIVE	AM Executive User Group
AMINAUDITR	AM Internal Auditor User Group

Table 26. Role User Group Mapping

V_ROLE_CODE (5.x)	User Group Name (8.0.1.0.0)
AMEXAUDITR	AM External Auditor User Group
AMDATAMNR	AM Data Miner User Group
AMMANADMN	Mantas Administrator User Group

User - Domain Mapping

Once Users are created in the Target install, they need to be mapped to the Information Domain using OFSAAI SMS user Interface. For more information, refer to the [Oracle Financial Services Behavior Detection Administration Guide](#).

User Authorization

All users must be authorized after creation.

For more information, refer to the following documents:

- [Oracle Financial Services Behavior Detection Administration Guide](#)
- [Oracle Financial Services Analytical Application Administration Guide](#)

Security Management Attributes and Rule

The following are the security management attributes and the rules according to which the users are migrated to SMS:

- Migrating Role Action Mapping
- Migrating User Role Action Map Data from LDAP to BD 8.0.1.0.0
- Setting Security Attributes

Migrating Role Action Mapping

- To assist in migrating user information like mapping user roles to activity codes, The OFS BD 8.0.1.0.0 Upgrade Utility provides a Microsoft Excel template to extract the required information from the Oracle Mantas Security XML.
- This XML is written to the log when starting the Oracle Mantas 5.x instance with trace logging enabled. The template generates the SQLs that should be executed in the OFS BD 8.0.1.0.0 Atomic Schema.
- In general, the Excel template gathers user role-related configuration information from the Oracle Mantas Security XML that is generated from the LDAP server and translates into the SQL insert scripts in accordance with the OFSBD application 8.0.1.0.0 user role-related configuration requirements.
- The tool does not fully automate the user migration process, but it does simplify much of the effort.
- Directions on the proper use of the template are included with the template itself.

Additionally, here are some helpful pointers on using the template and migrating the information into the OFSBD application 8.0.1.0.0

- The Oracle Mantas Security XML should be transferred to the Windows desktop.
- If there are multiple web deployments and the Oracle Mantas Security XML is different for all the deployments, then all the Oracle Mantas Security XMLs should be transferred to the Windows desktop.

Migrating User Role Action Map Data from LDAP to BD 8.0.1.0.0

To migrate data from LDAP, follow these steps:

1. Copy the Excel template (`Mantas_Security.xlsx`) from `<OFS_BD_MIGRATION_HOME>/ldap_data_migration/conf` to your workstation.
2. Copy the `Mantas_security.xml` file from the deployment location.
3. Follow the instructions mentioned in the Excel template.

This excel macro generates metadata insert scripts for the table `kdd_role_action_map` from the `mantas-securitymodel.xml`.

4. Copy and execute these scripts generated from the `Mantas_Security.xls` in OFSBD 8.0.1.0.0 Atomic Schema.

Note:

- You may ignore any unique constraints errors which may occur while running the queries generated from LDAP when transitioning data using the Excel macro to the `kdd_role_activity_type` table.
- If you are planning to re-run the above process related to Case, execute the following script in the OFS BD 8.0.1.0.0 Atomic Schema.

```
delete from temp_map where map_link='ROLE_ACTION'
```

Setting Security Attributes

Refer to the section Mapping Users To Access Control Metadata in the [Oracle Financial Services Behavior Detection Platform Administration Guide 8.0.1.0.0](#) for map each user to Access Control Metadata and Security attributes which control the user's access permissions

Organizations

- Must have at least one assigned unique Member.
- Must be a unique Member of one or more business domains.
- Must be a unique Member of one or more scenario groups.
- Must be a unique Member of one or more jurisdictions.

Scenario Groups

- Must have at least one assigned unique Member.
- Must have at least one scenario assigned.
- The scenarios referenced must exist in the `KDD_SCNR0` table.
- The scenarios referenced must exist in only one scenario group in the `KDD_SCNR0_GRP_MEMBERSHIP` table.

- The scenario group name must be exactly the same as the scenario class name in the `KDD_SCNRO_GRP . SCNRO_GRP_NM` table.

Business Domains

- Must have at least one assigned unique Member.
- The business domain code must be in the `KDD_BUS_DMN` table.

Jurisdictions

- Must have at least one assigned unique Member.
- The Jurisdiction code must exist in the `KDD_JRSDCN` table.

This chapter provides details on how to migrate custom scenarios from the Production Environment(Source) to target environment (OFS BD 8.0.1.0.0) and also includes the following sections:

- Product Applicability
- Prerequisites
- Installing and Configuring Custom Scenarios
- Verification Steps

Product Applicability

This chapter is applicable for the following list of products.

Table 27. Migrate Custom Scenarios Product Applicability

Product Version	Products	Remarks
Mantas 5.x	<ul style="list-style-type: none"> ● AML ● Fraud ● TC ● BC ● ECTC ● Integrated CM 	Plan to perform configuration and administration activities for the applications migrated to the target environment.
FCCM 6.1.x	<ul style="list-style-type: none"> ● AML ● Fraud ● TC ● BC ● ECTC ● PTA ● ECM 	Plan to perform configuration and administration activities for the applications migrated to the target environment.
FCCM 6.2.x	<ul style="list-style-type: none"> ● AML ● Fraud ● TC ● BC ● ECTC ● PTA ● ECM ● FATCA 	Plan to perform configuration and administration activities for the applications migrated to the target environment.

Prerequisites

Ensure the [Chapter 8, Preparing Target - Install BD 8.0.1.0.0](#) has been completed successfully.

Installing and Configuring Custom Scenarios

To install and configure custom scenarios, follow these steps:

1. Extract scenarios, datasets, networks, and associated meta data from 5.x/6.x Production Environment to scenario XML file and load the extracted XML files into Target environment (OFSBD 8.0.1.0.0).

For more details, refer to the *Administrative Utilities- Scenario Migration Utility* section in the [Oracle Financial Services Behavior Detection 8.0.1.0.0 Administration Guide](#).

2. Before loading the customized scenarios from Mantas 5.x / FCCM 6.1.x / FCCM 6.2.x to the OFSBD 8.0.1.0.0 environment, it is important to understand what occurs when OFSBD loads an updated scenario into an environment where the scenario exists.
 - a. The scenario logic is replaced by the incoming scenario.
 - b. Dataset definitions are replaced by the incoming scenario.
 - c. Product thresholds are loaded, and threshold sets are checked and modified for the following conditions:
 - ◆ If the scenario contains new thresholds, they are added to any threshold sets and assigned the default value for the base threshold.
 - ◆ If the existing threshold sets contain thresholds that the new scenario does not, the thresholds are deactivated in the existing threshold sets.
 - ◆ Thresholds in existing threshold sets with Use Base Value set (meaning they inherit the value of the base threshold) are updated to the value of the base threshold in the incoming scenario. This can be turned off by setting a flag in the scenario migration configuration files to NOT update values when loading the scenario.
 - ◆ For thresholds in the existing threshold sets, if the display name does not match the display name of the corresponding base threshold, then the name is updated.
 - d. Jobs that run the scenario with custom threshold sets are updated to reference any changed datasets or patterns.
3. After loading the updated scenarios, your scenarios with threshold settings runs as expected.
4. Review your threshold settings after the load to see if any of the new thresholds should be modified to meet your business requirements.
5. Check and review the following possible use cases for customizations and decide whether to bring in the customizations to the OFSBD 8.0.1.0.0 environment (Target System).
 - **Functional Changes** (scenario improvements): If your customized scenario was functionally changed to improve the way it works in general (not specific to your data), then you need to review the Release Notes for all *Oracle Mantas* products released since you installed the scenario to determine if your functional changes were added to the product baseline. For example, if you are on *Oracle Mantas 5.0*, the enhancements

you want may have been added in 5.5, and consequently, they are not described in the *Release Notes 5.8.1*. If you entered a change request with *Oracle Mantas* for the functional change, then Oracle Financial Services Professional Services or Customer Support should be able to verify whether the change was made in the product baseline.

- **Functional Changes** (specifics of your business): If you modified the scenario due to specifics of your business such as, added filters on custom fields, then you can be certain those changes will not be in the new version of the scenario. It is possible that another functional change will have been introduced that is a good substitute for the change you made, but it is not likely.
- **Performance Tuning**: If the scenario has been modified to perform better in your environment, then the correct approach can vary. In some cases, performance enhancements will no longer be necessary with the new scenario because it may take a different approach, or the enhancements implemented in your environment may have been rolled into the product version. In other cases, the new scenario may not perform well out of the box, and the enhancements you applied (or different enhancements) may need to be implemented again.

Verification Steps

Use the following checklist to verify your progress.

Table 28. Migration Custom Scenario Verification Steps

S. No	Task	Completed Y/N	Remarks
1	<p>Ensure the loaded custom scenarios are successfully loaded in Target environment.</p> <p>Refer the logs <code>load.log</code> and <code>extract.log</code> generated at</p> <p><OFSBDF Installed Directory>/database/db_tools/logs</p>		

In OFS BD 8.0.1.0.0, new activities and new categories for activities are added. Hence, as part of migration, the activities including customized activities should be mapped to these new categories to enable migration of custom activities.

This chapter provides information about mapping activities to activity categories supported by OFS BD 8.0.1.0.0 and also includes the following sections:

- Product Applicability
- Pre-requisites
- Executing Custom Alert Work Flow Migrations
- Verification Steps

Product Applicability

This chapter is applicable for the following list of products.

Table 29. Custom BD Metadata Product Applicability

Product Version	Products	Remarks
Mantas 5.x	<ul style="list-style-type: none"> ● AML ● Fraud ● TC ● BC ● ECTC 	
FCCM 6.1.x	<ul style="list-style-type: none"> ● AML ● Fraud ● TC ● BC ● ECTC 	
FCCM 6.2.x	<ul style="list-style-type: none"> ● AML ● Fraud ● TC ● BC ● ECTC 	

Pre-requisites

1. Ensure the activities mentioned in [Chapter 3, Preparing for Migration](#) are completed successfully.
2. Action Categories supported in 8.0.1.0.0 as follows:

Table 30. Action Categories

Action Category Code	Action Category Display Name
ACT	Actions
DIS	Disposition
EML	E-mail
EVID	Evidence
EXP	Export
REAS	Reassign
REV	Review
RR	Reg Reporting

Executing Custom Alert Work Flow Migrations

This section covers the following topics:

- Preparing for Custom Alert Work Flow Migrations
- Migrating Custom Alert Work Flow Metadata

Preparing for Custom Alert Work Flow Migrations

Custom Activity Migration requires mapping of the non-supported Action Categories of Mantas 5.x / FCCM 6.1.x/ FCCM 6.2.x Action Categories to Supported Action Categories of OFS BD 8.0.1.0.0.

To create the required temporary lookup and log tables used during this process, follow these steps:

1. Copy the BD801Migration directory obtained to the Target Staging System. Refer to [Chapter 3, Preparing for Migration](#) to the Source System.
2. Log in to the Alert Management schema in the Target Staging DB and take a backup of the KDD_ACTIVITY_TYPE_CD table as KDD_ACTIVITY_TYPE_CD_BKP.

Note: The backup name of this table should be the same.

3. Ensure you have the ORACLE_HOME, ORACLE_SID, ORACLE_HOME/bin set to the PATH environment variables through executing ./profile on the unix console planning to run the utility. Refer the following example.
 - export ORACLE_HOME=/software/oracle11gr2/product/11.2.0/dbhome_1
 - PATH=\$PATH:\$ORACLE_HOME/bin:

- export PATH
 - export ORACLE_SID=orcl
4. To bring in Activity Category Codes of OFS BD 8.0.1.0.0, follow these steps.
 - a. <OFS_BD_MIGRATION_HOME>/ofsbd_custom_metadata_migration/db_scripts
 - b. Login to Target Staging System DB -Mantas 801 Schema via Unix Console.
 - c. set scan off
 - d. Execute the following metadata inset statements:

```
insert into KDD_ACTVY_CAT_CD (ACTVY_CAT_CD, DISPL_NM, DISPL_ORDER_NB,
MANTAS_ACTVY_CAT_FL)values ('ACT', 'Actions', 20, 'Y');

insert into KDD_ACTVY_CAT_CD (ACTVY_CAT_CD, DISPL_NM, DISPL_ORDER_NB,
MANTAS_ACTVY_CAT_FL)values ('DIS', 'Disposition', 30, 'Y');

insert into KDD_ACTVY_CAT_CD (ACTVY_CAT_CD, DISPL_NM, DISPL_ORDER_NB,
MANTAS_ACTVY_CAT_FL)values ('EVID', 'Evidence', 80, 'Y');

insert into KDD_ACTVY_CAT_CD (ACTVY_CAT_CD, DISPL_NM, DISPL_ORDER_NB,
MANTAS_ACTVY_CAT_FL)values ('REAS', 'Reassign', 10, 'Y');

insert into KDD_ACTVY_CAT_CD (ACTVY_CAT_CD, DISPL_NM, DISPL_ORDER_NB,
MANTAS_ACTVY_CAT_FL)values ('RR', 'Reg Reporting', 50, 'Y');

commit;
```
 - e. Commit the changes.
 5. Change the directory to <OFS_BD_MIGRATION_HOME>/ofsbd_custom_metadata_migration/bin.
 6. Run the following script to create the required temporary lookup and log tables - ./upgrade_utility.sh DB_UPGRADE
 7. Enter the appropriate Target Staging database schema username and password when prompted.
 8. Check for any errors in DB_UPGRADE_timestamp.log file under <OFS_BD_MIGRATION_HOME>/ofsbd_custom_metadata_migration/logs.

Migrating Custom Alert Work Flow Metadata

Map the non-supported Action Categories of Mantas 5.x /FCCM 6.1.x/ FCCM 6.2.x Action Categories to Supported Action Categories of OFS BD 8.0.1.0.0.

The mapping can be done using any of the following options:

- Option 1
- Option 2

Option 1

1. This option maps all legacy /custom action categories to product default categories of OFS BD 8.0.1.0.0.
2. Activity codes must be configured in the category_list.txt file available at <OFS_BD_MIGRATION_HOME>/ofsbd_custom_metadata_migration/conf folder.

3. Clear the contents of the file `category_list.txt` and map old category codes to one of the OFSBD 8.0.10.0 Action Categories mentioned in following table.
4. The file contains two columns separated by '~'. The first column is for the old category code and the second column is for the new one.

List of supported action categories in OFS BD 8.0.1.0.0.

Table 31. Supported Action Categories

Action Category Code	Action Category Display Name
ACT	Actions
DIS	Disposition
EML	E-mail
EVID	Evidence
EXP	Export
REAS	Reassign
REV	Review
RR	Regulatory Reporting

5. After modifying the file, navigate to the following directory:
`<OFS_BD_MIGRATION_HOME>/ofsbdcustom_metadata_migration/bin`
6. Execute the command:
`./upgrade_actvty_cat.sh c category_list.txt`
7. Enter the appropriate database schema username and password when prompted.
8. Check for any errors in `WORKFLOW_UPGRADE_AM_timestamp.log` file under
`<OFS_BD_MIGRATION_HOME>/ofsbdcustom_metadata_migration/logs`
9. Check the following tables for any errors. If there are any errors, re-run the `./upgrade_actvty_cat.sh c category_list.txt` command after correcting the error.
 - `UPGRADE_STATS` table, which displays the `UPGRADE_STATS.STATUS` column as *Successful (N)* or *Unsuccessful (Y)*.
 - `UPGRADE_AUDIT_LOG` table, which provides error information when the `UPGRADE_STATS.STATUS` column displays as *Unsuccessful (Y)*.

Option 2

1. This option requires selecting a new action category for individual actions by modifying the `entity_list.txt` file available at
`<OFS_BD_MIGRATION_HOME>/ofsbdcustom_metadata_migration/conf` folder.
2. In this file, the first column contains the activity codes and the second column contains the new category code. Both the fields are separated by '~'. Clear the contents of the file `entity_list.txt` and map activity codes to one of the new category codes.

3. Modify the file, and change the directory to
`<OFS_BD_MIGRATION_HOME>/ofsbd_custom_metadata_migration/bin.`
4. Run the command
`./upgrade_actvty_cat.sh i entity_list.txt`
5. Enter the appropriate source mantas schema username and password when prompted.
6. Check for any errors in `WORKFLOW_UPGRADE_AM_timestamp.log` file available at the following location:
`<OFS_BD_MIGRATION_HOME>/ofsbd_custom_metadata_migration/logs`
7. Check the following tables for any errors. If there are any errors, re-run the `./upgrade_actvty_cat.sh i entity_list.txt` command after correcting the error.
 - `UPGRADE_STATS` table, which displays the `UPGRADE_STATS.STATUS` column as *Successful (N)* or *Unsuccessful (Y)*.
 - `UPGRADE_AUDIT_LOG` table, which provides error information when the `UPGRADE_STATS.STATUS` column displays as *Unsuccessful (Y)*.

Note: As part of [Chapter 14, Data Migration - Core](#) only the non-seeded activities should be migrated to target install.

Verification Steps

Use the following checklist to verify your progress.

Table 32. Migrating Custom Alert Workflow Verification Steps

S. No	Task	Completed Y/N	Remarks
1	Ensure the utility ran without any errors. Note: Refer to the logs at <code><OFS_BD_MIGRATION_HOME>/ofsbd_custom_metadata_migration/logs</code> . Refer to <code>UPGRADE_AUDIT_LOG</code> , <code>UPGRADE_STATS</code> .		
2	Ensure in Target Staging System the legacy and customized Action category are mapped to OFS BD 8.0.1.0.0 Action Categories.		

Data Migration - Mantas 5.x Case Migration

In order to reduce the downtime of the system, it is recommended to migrate Non-closed cases first and perform the Post Installation steps to get the system up and running. The Closed cases can be migrated based on the business need.

The migration of cases happens within the Target Staging DB from old structures to the new structure. Subsequently as a part of Data Migration – Core process, this is moved into the target DB.

This chapter describes the method to migrate Mantas 5.x cases which are in status Non-closed, Closed, or both Non-closed, and Closed simultaneously. It covers following sections:

- Product Applicability
- Pre-requisites
- Executing Mantas Case Migration
- Verification Step

Product Applicability

This chapter is applicable for the following list of products.

Table 33. Mantas 5X Case Migration Product Applicability

Product Version	Applicable Products	Remarks
Mantas 5.7.1 and above	Integrated CM	Applicable only if the customer is using the Integrated case management functionality.

Pre-requisites

Note: Case Data Migration supports only AML and FR case types.

1. Ensure the activities mentioned in the section [Chapter 3, Preparing for Migration](#) are completed successfully.
2. Ensure you have the file Caseworkflowmodel.xml from Oracle Mantas 5.x deployed location `<alert_mgmt_web_app_deployed_area>/WEB-INF/classes/conf/ui_config/ui.`

Executing Mantas Case Migration

This section guides how to migrate Case and related data from Oracle Mantas 5.x to OFS BD 8.0.1.0.0.

This section covers following topics:

- Preparing for Case Migration
- Extracting Source Case Work-flow Metadata
- Migrating Required Custom Case Workflows
- Migrating Required Custom Case Workflows and Cases

Preparing for Case Migration

Ensure OFS BD 8.0.1.0.0 Case Management Metadata details (KDD_ACTION_CAT_CD, KDD_ACTION, KDD_STATUS, KDD_ROLE_ACTION_MAP, KDD_STATUS_ACTION_MAP,) are available in Target Staging -Case Management Schema.

To get OFS BD 8.0.1.0.0 Case Management Metadata in Target Staging -Case Management Schema, follow these steps:

1. Go to Target Staging Environment.
`<OFS_BD_MIGRATION_HOME>/ofsbd_db_ddl_upgrade/bin`
2. Run `substitute_token.sh` (this is optional, as the substitution already have happened in [Chapter 5, Preparing Target Staging Database - DB DDL Upgrade](#)).
3. Run `cm_migration_db_objects.sh`
4. Execute the following scripts in the Target Staging DB-Case Management Schema as part of preparations for migration.
 - `alter index IDX_CUST_JRSDCN unusable;`
 - `alter index ACCT_TYPE1_CD_ID unusable;`
 - `alter index ACCT_BUS_TYPE_IDX unusable;`
 - `alter index ACCT_HOLDR_TYP_IDX unusable;`
 - `alter index ACCT_JRDCN_IDX unusable;`
5. Ensure ORACLE_HOME, ORACLE_SID, ORACLE_HOME/bin environment variables are set in `.profile`
6. Execute the following command at Unix Console planning to run case work flow and migrations:
`./profile`
7. Navigate to the following Oracle Mantas 5.x Deployed location
`<alert_mgmt_web_app_deployed_area>/WEB-INF/classes/conf/ui_config/ui`
8. Copy `Caseworkflowmodel.xml` to `<OFS_BD_MIGRATION_HOME>/integrated_cm_migration/lib`
9. Configure the absolute path for the logs in the `log4j.xml` available at `<OFS_BD_MIGRATION_HOME>/integrated_cm_migration/lib` directory.

- a. Providing the absolute path for the logs by changing the following parameter value

```
<param name="file" value=" /home/miguser/log.log" />
```

Extracting Source Case Work-flow Metadata

1. To start the Case Workflow migration, go to

<OFS_BD_MIGRATION_HOME>/integrated_cm_migration/lib directory and execute the following command - `java -jar Case_Workflow.jar READ`.

2. The Utility prompts for the following inputs:

- a. Enter the JDBC URL: <enter JDBC CONNECTION STRING>.

For example, `jdbc:oracle:thin:@10.184.134.134:1522:ecmorcl`

- b. Enter the MANTAS SCHEMA USER: <Enter the Username of the Target Staging Mantas Schema>.

- c. Enter the MANTAS SCHEMA PWD: <Enter the Password of the Target Staging Mantas Schema>.

3. Executing CaseWorkflow with Read Parameter implies that the mapping excels

(`METADATA_POPULATION.xls` and `MAPPING_EXCEL.xls`) required for migrations is generated at <OFS_BD_MIGRATION_HOME>/integrated_cm_migration/lib directory.

4. Save both excels files generated above in 1997-2003 Excel format on your Windows desktop.

Preparing the Custom Case Work flow Metadata for Migrations

This section covers the following topics:

- `MAPPING_EXCEL.xls`
- `METADATA_POPULATION.xls`

MAPPING_EXCEL.xls

Mappings sheets serves as a lookup while migrating case data. `MAPPING_EXCEL.xls` contains the following three sheets.

- `ACTION_MAPPING` sheet
- `STATUS_MAPPING` sheet
- `CASETYPE_SUBTYPE_MAPPING` sheet

ACTION_MAPPING sheet

It contains the actions which are to be migrated from Oracle Mantas 5.x to OFSECM 8.0.1.0.0 (it retrieves the actions which are part of `Caseworkflowmodel.xml`).

- a. Map the actions of Oracle Mantas 5.x in this sheet to the respective OFSECM 8.0.1.0.0 actions. Refer to the following table for the recommended mappings.
 - ◆ Column `OLD_ACTION` contains Oracle Mantas 5.x actions and Column `NEW_ACTION` should be filled with respective OFSECM 8.0.1.0.0 actions.

- ◆ If any action of Oracle Mantas 5.x does not have its equivalent action in OFSECM 8.0.1.0.0, then this action of Oracle Mantas 5.x has to be inserted in OFSECM 8.0.1.0.0 as a new action. For these actions, OLD_ACTION and NEW_ACTION values should be same.
- ◆ If the action CA0010 doesn't come from Caseworkflowmodel.xml, add the entry CA0010 in column OLD_ACTION and their respective mapped action in NEW_ACTION column of ACTION_MAPPING.xls

Table 34. Recommended Actions Mapping

Oracle Mantas 5.x Action	ECM 8.0.1 Action
CA0010	CA64
CA0100	CA208
CA0110	CA203S
CA0140	CA220
CA0200	CA4
CA0210	CA61
CA0230	CA75S
CA0280	CA72S
CA0300	CA75S
CA0310	CA96S
CA0350	CA73S
CA0380	CA68S
CA0390	CA69S
CA0400	CA74S
CA0410	CA5
CA0420	CA2
CA0430	CA96S
CA0450	CA87A
CA0460	CA48
CA0480	CA98S
CA0495	CA99A
CA0497	CA234A
CA0498	CA222S
CA0700	CA35

Table 34. Recommended Actions Mapping

Oracle Mantas 5.x Action	ECM 8.0.1 Action
CA0710	CA101S
CA0720	CA102S
CA0800	CA220
CA1000	CA88S
CA1020	CA87S
CA1100	CA91S
CA1600	CA103S
CA1700	CA207S
CA1800	CA8
CA1810	CA6
CA1830	CA101A
CA1844	CA94S
CA1848	CA95S
CA1850	CA114
CA1870	CA102A
CA1880	CA16
CA1881	CA18
CA1890	CA27
CA1891	CA27
CA1892	CA27
CA1893	CA204S
CA1894	CA42
CA1895	CA210
CA1896	CA7
CA1897	CA27
CA1898	CA27
CA1900	CA211SE
CA1901	CA213C
CA1902	CA211C

Table 34. Recommended Actions Mapping

Oracle Mantas 5.x Action	ECM 8.0.1 Action
CA1903	CA213C
CA1904	CA214C
CA1905	CA17
CA2045	CA254

STATUS_MAPPING sheet

It contains the statuses which are to be migrated from Oracle Mantas 5.x to OFSECM 8.0.1.0.0 (it retrieves the statuses which are part of `Caseworkflowmodel.xml`).

- a. Map the status of Oracle Mantas 5.x in this sheet to respective OFSECM 8.0.1.0.0 status. Refer to following table for the recommended mapping.
 - ◆ Column `OLD_STATUS` contains Oracle Mantas 5.x status and Column `NEW_STATUS` should be populated with respective OFSECM 8.0.1.0.0 status.
 - ◆ If any status of Oracle Mantas 5.x does not have its equivalent status in OFSECM 8.0.1.0.0 then the status of Oracle Mantas 5.x need to be inserted in OFSECM 8.0.1.0.0 and for these statuses `OLD_STATUS` and `NEW_STATUS` values should be same.

Table 35. Recommended Status Mapping

Oracle Mantas 5.x Action	ECM 8.0.1 Action
AC	CCAC
CCLM	CCM
REA	CCEXA
AR	AR
ET	CCET
CRO	RO
NVST	INV
SARF	FSAR
CNW	NW
CCLD	CCLD

CASETYPE_SUBTYPE_MAPPING sheet

This sheet contains the casetype and subtype of Oracle Mantas 5.x which are to be migrated to OFSECM 8.0.1.0.0. (it retrieves the casetype and subtype which are part of `Caseworkflowmodel.xml`).

- a. Map the corresponding old case type code of Oracle Mantas 5.x in this sheet to respective OFSECM 8.0.1.0.0. case type code, subclass1 code, and subclass2 code. Refer the following table for the recommended mappings.
 - ◆ Column OLD_CASETYPE_CD, OLD_CASE_SUBCLASS_TAG_CD contains Oracle Mantas 5.x case type code and subclass tag.
 - ◆ Column NEW_CASETYPE_CD, NEW_CASE_SUBLASS1, NEW_CASE_SUBLASS2 contains OFSECM 8.0.1.0.0. case type code and subclass tags.

Table 36. Recommended Case Type /Sub Type Mappings

Oracle Mantas 5.x Case Type CD	Oracle Mantas 5.x Case Sub Type TAG CD	ECM 8.0.1 Case Type Code	ECM 8.0.1 CASE SUB CLASS 1	ECM 8.0.1 CASE SUB CLASS 2
AML_SAR	CCL1	AML_SURV	BSA	SAR
FR_EE	CCL3	FR_EE	Do not Map	Do not Map
FR_ON	CCL5	FR_ON	Do not Map	Do not Map

METADATA_POPULATION.xls

This is the source for adding custom additions into the OFECM8.0.1.0.0.

- It contains the full metadata (legacy and custom) for actions, status, case types, and case-sub types that are available in Mantas 5.x source (CaseWorkflowModel.xml). These may not be the product default set in OFSECM 8.0.1.0.0.
- Make sure you have only the custom values which need to be inserted into target. Delete all the legacy values which are already mapped according to mapping excel. Duplicates results in unique constraint issues.
- All the sheets in METADATA_POPULATION.xls should have only the custom values which needs to be inserted into the target case structure.

METADATA_POPULATION.xls contains following six sheets:

- KDD_ACTION_DATA sheet
- KDD_STATUS_DATA sheet
- KDD_CASE_TYPE_SUBTYPE_DATA sheet
- KDD_TYPE_CLASS_MAP_SHEET
- KDD_SUBCLASS1_SHEET
- KDD_SUBCLASS2_SHEET

KDD_ACTION_DATA sheet

- a. Ensure the sheet contains custom actions that need to be inserted and which do not have their equivalent OFSECM 8.0.1.0.0 mapped actions.
- b. The values under ACTION_CATEGORY_CODE column of above sheet should be updated with action categories supported in OFSECM 8.0.1.0.0.

- c. Refer to the values present in the `kdd_action_cat_cd` table of the Target BD Schema of OFSECM 8.0.1.0.0 for information about the Category codes. Refer to the following Table for the recommended mappings.

Table 37. Recommended Action Category Code Mappings

Oracle Mantas 5.x Action Category Code	Oracle Mantas 5.x Display Name	ECM 8.0.1 Action Category Code	ECM 8.0.1 Display Name
CA_CC	Close Case	RES	Resolution
CA_CTR	CTR	RES	Resolution
CA_EML	E-mail	EML	Email
CA_EXP	Export	EXP	Export
CA_EXT	Grant Extension	DD	Due Date
CA_RCC	Recm Close Case	RES	Resolution
CA_RES	Response	REV	Research and Review
CA_REV	Review	REV	Research and Review
CA_ROP	Reopen	RO	Reopen
CA_RSN	Reassign	AS	Assignment
CA_SAR	SAR	RES	Resolution
CA_UPD	Update	REV	Research and Review

- d. The values under `NEXT_REVIEW_STATUS_CD` column in the above sheet has to be modified by referring to `STATUS_MAPPING` sheet of `MAPPING_EXCEL.xls` or refer *OFSBD Administration Guide* for more information on statuses.

Note:

- ◆ For more information on OFSECM 8.0.1.0.0 Action Category Codes, refer to the *OFSECM 8.0.1.0.0 User Guide*.
- ◆ To perform a custom action which is not available in OFSECM 8.0.1.0.0, refer to the *OFSBD Configuration Guide*.
- ◆ The E-mail Action category code (EML) is programmed to take values from the `kdd_Code_set_trnln` table. Make sure that no custom action is having its category code as EML.

KDD_STATUS_DATA sheet

- a. Ensure the sheet contains custom statuses that need to be inserted which do not have their equivalent OFSECM 8.0.1.0.0 mapped statuses.
- b. The value under the column `VIEWD_BY_OWNER_ACTVY_TYPE_CD` of the above sheet with OFSECM 8.0.1.0.0 action code by referring to `ACTION_MAPPING` sheet of `MAPPING_EXCEL.xls`

KDD_CASE_TYPE_SUBTYPE_DATA sheet

- a. Ensure the sheet contains custom case types and sub types which are not obsolete in OFS ECM 8.0.1.0.0.
- b. Delete rest of the case types from the sheet.

KDD_TYPE_CLASS_MAP_SHEET

- a. Ensure the sheet contains the mapping between the custom casetype, subtype, and sub classes.
- b. Refer to the CASETYPE_SUBTYPE_MAPPING sheet of MAPPING_EXCEL.xls for populating data in this sheet.
- c. Refer to the following description on columns mentioned in this excel.
 - ◆ CASE_TYPE_CLASS_SEQ_ID (this should be unique ID in KDD_TYPE_CLASS_MAP table)
 - ◆ CASE_TYPE_SUBTYPE_CD
 - ◆ CASE_SUBCLASS1_CD
 - ◆ CASE_SUBCLASS2_CD

KDD_SUBCLASS1_SHEET

- a. Ensure the sheet contains the custom subclass1 that needs to be inserted in OFSECM 8.0.1.0.0.
- b. Referring the information corresponding to casesubtypes entered in KDD_CASE_TYPE_SUBTYPE_DATA_SHEET and KDD_TYPE_CLASS_MAP_SHEET.

KDD_SUBCLASS2_SHEET

- a. Ensure the sheet contains the custom subclass2 that need to be newly inserted in OFSECM 8.0.1.0.0.
 - b. Referring the information corresponding to case subtypes entered in KDD_CASE_TYPE_SUBTYPE_DATA_SHEET and KDD_TYPE_CLASS_MAP_SHEET
5. Save both METADATA_POPULATION.xls and MAPPING_EXCEL.xls in 1997-2003 Excel format.
 6. Copy the updated Excels from your desktop to
<OFS_BD_MIGRATION_HOME>/integrated_cm_migration/lib folder.

Migrating Required Custom Case Workflows

1. Go to <OFS_BD_MIGRATION_HOME>/integrated_cm_migration/lib.
2. Execute the following command to populate case management schema with metadata and corresponding mappings:
java -jar Case_Workflow.jar INSERT.
3. User is prompted for the following inputs:
 - a. Enter the JDBC URL: <Enter JDBC CONNECTION STRING.

For example, `dbc:oracle:thin:@10.11.12.13:1111:ecmorcl`

- b. Enter the Case SCHEMA USER: <Enter the Username of the Target Staging DB-Case management Schema>.
 - c. Enter the Case SCHEMA PWD:<Enter the Password of the Target Staging DB-Case management Schema>.
 - d. Enter the Mantas SCHEMA USER: <Enter the Username of the Target Staging DB-Mantas Schema>.
 - e. Enter the Mantas SCHEMA PWD: <Enter the Password of the Target Staging DB-Mantas Schema>.
4. The execution completes the migration of Custom Case workflow details (action, status, Case Type, and Subtype) from Excel to the Case Management Schema in the Target Staging DB. The Data is migrated from the excel to following tables of Target Staging DB-Case Schema.
- i. KDD_STATUS
 - ii. KDD_SUBCLASS1
 - iii. KDD_SUBCLASS2
 - iv. KDD_ACTION
 - v. KDD_CASE_TYPE_SUBTYPE
 - vi. KDD_TYPE_CLASS_MAP
5. Check `upgrade_stats` and `upgrade_audit_log` table of Target Staging DB-Mantas schema for any errors.
6. To insert the records related to custom CASE SUBTYPES which are newly inserted in this migrations in *Target DB-OFS BD 8.0.1.0.0 Atomic Schema*, follow the these steps.
- a. Get the max sequence ID for the column `CASE_CASETYPE_ACTION_MAP_SEQ` using following query:

```
Select max (CASE_CASETYPE_ACTION_MAP_SEQ) from KDD_CASETYPE_ACTION_MAP.
```

Note: If you get the result 330 by executing the above query, proceed to the next step.
 - b. Insert the CaseType-Action Mapping for each Custom Case Types into the table `KDD_CASETYPE_ACTION_MAP`. Refer following example:

```
Insert into KDD_CASETYPE_ACTION_MAP (case_casetype_action_map_seq,action_cd, case_type_subtype_cd)values(<Max Seq + 1>,<8.0.1 Supported Action or Custom Action that's migrated to 8.0.1>,'Custom Case Type');
```
7. To insert the records related to custom Actions which are newly inserted in this migrations in *Target DB-OFS BD 801atomic Schema*, follow these steps:
- a. Get the max sequence ID for the column `CASE_ROLE_ACTION_MAP_SEQ` using Query:

```
Select max (CASE_ROLE_ACTION_MAP_SEQ) from KDD_ROLE_ACTION_MAP
```

Note: If you get the result 330 by executing the above query, proceed to the next step.
 - b. Insert the Role-Action Mapping for each Custom Action into the table `KDD_ROLE_ACTION_MAP`. Refer following example.

```
Insert into KDD_ROLE_ACTION_MAP (CASE_ROLE_ACTION_MAP_SEQ,ROLE_CD, ACTION_CD)values (<Max  
Seq + 1>,<8.0.1 Supported ROLE>,'Custom Action');
```

8. To insert the records related to custom status which are newly inserted in this migrations in *Target DB-OFS BD 8.0.10.0 atomic Schema*, follow these steps:

a. Get the max sequence ID for the column `CASE_STATUS_ACTION_MAP_SEQ` using Query:

```
Select max (CASE_STATUS_ACTION_MAP_SEQ) from KDD_STATUS_ACTION_MAP.
```

Note: If you get the result 330 by executing the above query, proceed to the next step.

b. Insert the Status-Action Mapping for each Custom Status into the table `KDD_STATUS_ACTION_MAP`. Refer the following example.

```
Insert into KDD_STATUS_ACTION_MAP (CASE_STATUS_ACTION_MAP_SEQ, STATUS_CD,  
ACTION_CD) values (<Max Seq + 1>,<Custom Status>,'Custom Action');
```

Migrating Required Custom Case Workflows and Cases

The case data migration process uses the following parameters which can be used to obtain the optimized migration time by employing parallel and batch execution.

- `max_process` (number of parallel process for Case Data Migration)
- `max_rec_limit` (max number of cases to be processed which can be less or equal to Total Cases)
- `max_rec_in_batch` (number of cases in per batch which can be less or equal to `max_rec_limit`)

Default values of these parameters are given in file `upgrade_cm_schema.sh` which is available under the path `<OFS_BD_MIGRATION_HOME>/integrated_cm_migration/bin`:

For optimal performance of case data migration, you can increase the value of `max_process` and their respective `max_rec_in_batch` on the basis of the hardware configuration and the workload on the server.

1. After the above parameters are configured, navigate to `<OFS_BD_MIGRATION_HOME>/integrated_cm_migration/bin` and execute the following shell script to commence the Case data migration in Target Staging DB.

```
./Upgrade_utility.sh CASEDATA_MIGRATION
```

2. Enter the following details prompted by the utility:

- i. Enter the UserID for Mantas Schema: <Enter the name of the Target Staging DB-Mantas Schema >
- ii. Enter the Password for Mantas Schema: <Enter the Password for Target Staging DB-Mantas Schema.>
- iii. Enter the value to migrate Open(O)/Close(C)/Both(B) Cases: <Specify appropriate value>
Parameter for the above prompt:

```
O- Open Cases | C - Closed Cases | B - Both open and closed cases
```

3. Once you complete the execution, the following list of Target Staging DB-Case Schema tables are populated with cases related data from Target Staging DB-Mantas Schema.

- KDD_CASES
- KDD_CASE_ACTIONS
- KDD_CASE_LINKS
- KDD_CASE_NOTE_HIST
- KDD_CASE_ACTION_NOTE
- KDD_CASE_ACTION_CMMNT

Business tables of Target Staging DB-Case Schema would be populated with respective snapshot business tables of Target Staging DB-Business Schema.

- KDD_CASE_LOSS_RECVRY_COST_CR
- H\$KDD_CASE_LOSS_RECVRY_COST_CR
- KDD_CASE_LOSS_RECOVERY

Verification Step

Use the following checklist to verify your progress.

Table 38. Data Migration - Verification Checklist

S. No	Task	Completed Y/N	Remarks
1	<p>Ensure the utility ran without any errors by checking</p> <ul style="list-style-type: none"> ● The logs at <OFS_BD_MIGRATION_HOME>/integrated_cm_migration/logs ● UPGRADE_AUDIT_LOG, UPGRADE_STATS available in Target Staging DB- Mantas Schema. 		
2	<p>Ensure you re-run the utility by resolving the errors reported for the specific CASE ID's that are not migrated properly.</p> <p>Refer UPGRADE_AUDIT_LOG table available in Target Staging DB-Mantas Schema for the Case ID/s which are not migrated properly.</p> <p>Execute the query in Target Staging DB-Mantas Schema to get the list of cases not migrated.</p> <pre>select * from upgrade_stats u where u.module_id='CASEDATA_MIG_CM' and u.status='Y'</pre>		

This chapter provides the step-by-step instructions to migrate data from Target Staging to Target and covers the following sections:

- Product Applicability
- Pre-requisite
- Executing Data Migration - Core
- Verification Steps

Product Applicability

This chapter is applicable for the following list of products.

Table 39. Data Migration - Core Product Applicability

Product Version	Products	Remarks
Mantas 5.x	<ul style="list-style-type: none"> ● AML ● Fraud ● TC ● BC ● ECTC 	
FCCM 6.1.x	<ul style="list-style-type: none"> ● AML ● Fraud ● TC ● BC ● ECTC ● ECM ● PTA 	
FCCM 6.2.x	<ul style="list-style-type: none"> ● AML ● Fraud ● TC ● BC ● ECTC ● ECM ● KYC ● FATCA 	

Table 39. Data Migration - Core Product Applicability

Product Version	Products	Remarks
KYC 1.2	KYC	
CTR 1.2.1	CTR	

Pre-requisite

1. Ensure the activities mentioned in the [Chapter 5, Preparing Target Staging Database - DB DDL Upgrade](#) are completed successfully.
2. Ensure the activities mentioned in the section [Chapter 8, Preparing Target - Install BD 8.0.1.0.0](#) are completed successfully.
3. Ensure Setting up of User, User groups, and User Group Role mappings are completed successfully. Refer [Chapter 9, Setting Target Install - AAI User Migration](#) for FCCM 6.1.x / FCCM 6.2.x / CTR 1.2.1 / KYC 1.2, and Refer the [Chapter 10, Setting Target Install - Mantas User Setup and Privileges Migration](#) for Mantas 5.x.
4. Ensure Customized Scenario's from Production (Source) System to Target system are completed successfully. Refer the [Chapter 11, Migrating Custom Scenarios](#).
5. Ensure the Data Migration approach is decided for migrating data from Target Staging to Target.
 - a. DIH
 - b. Scripts created by Consulting
 - c. Export and Import

Note: It is recommended to use DIH migration approach.
6. Ensure the Exclude table list are excluded from Data Migrations as pre-configured Metadata is available in the Target install. Copying them can create unique constraint failures. Refer to the Excel sheet [Exclude Tables List.xlsx](#).
7. Ensure to follow guide lines mentioned in the table before proceeding with data migration activity.

Table 40. Guidelines

S.No	Task	Remarks
1	<p>Data Mapping Activity (using DIH) should include the following:</p> <ul style="list-style-type: none"> ● Direct Mappings in DIH- Using Source and Target Model - Automatic ● Indirect Mappings in DIH - Manual. ● Exclusions - Manual (At the time of scheduling the migration tasks. The exclude tables should not be scheduled for migration) 	
2	<p>Rules for Dimension (DIM) table data:</p> <ul style="list-style-type: none"> ● In case of conflict, the factory shipped data gets precedence. <ul style="list-style-type: none"> ■ Custom added information needs to be sequenced. ■ It is preferable to follow separate range in order to avoid future conflicts. ● Should follow the same pattern, for example, alphabetic, numeric, and alphanumeric. ● Should be ordered lexicographically. ● Considering the above rule, correct the data at source if required and propagate to the respective tables. 	
3	<p>Rules for the data in <code>MESSAGES_EN_US</code>:</p> <ul style="list-style-type: none"> ● Additional custom messages has be manually migrated without any conflict in terms of message content. ● In case of conflict, the factory shipped data gets the precedence. ● Custom added information needs to be sequenced. ● It is preferable to follow separate range in order to avoid future conflicts. ● The new custom message data should have a new and unique combination of <code>MSG_IDENTIFIER</code> and <code>MSG_PACKAGE</code>. ● In case of modification of the message text for the existing <code>MSG_IDENTIFIER</code> has to be migrated based on sole. 	
4	<p>Rules for <code>USER</code> data:</p> <ul style="list-style-type: none"> ● There data for user, user role, functions, group, and mapping should be a part of the object migration. 	<p>For more information, refer to the Chapter 9, Setting Target Install - AAI User Migration</p>

Executing Data Migration - Core

These steps are based on the migration approach decided.

Note:

- For customers upgrading from 5.x or 6.1.x, KDD_ALTIO Schema (Single Schema) are not dropped as part of the process outlined in the section Preparing Target Staging Database - DB DDL Upgrade.
- KDD_ALTIO Schema becomes obsolete and is dropped from the product in FCCM 6.2.x
- There is no need to export this Schema or its objects and import the same into the target 8.0.1.0.0 database.
- Customers upgrading from 6.2.x or higher version do not see this KDD_ALTIO Schema.
- For customers upgrading from 5.0 to 5.7.1 may have conflict with the Meta data present INSTN_MASTER table of Target System (OFSBD 8.0.1.0.0). So before starting the Data-Migration activity, perform the following steps to ensure that client data and its linkages should not break.
 - a. Login to business Schema of Target Staging database
 - b. Get the max (INSTN_SEQ_ID)+1 from the INSTN_MASTER table.
 - c. Login to FCCM atomic Schema of Target System(OFS BD 8.0.1.0.0)
 - d. Modify the existing INSTN_SEQ_ID of product supplied meta data records of INSTN_MASTER table to max (INSTN_SEQ_ID)+1.

Verification Steps

Use the following checklist to verify your progress.

Table 41. Data Migration - Core Verification Steps

S. No	Task	Completed Y/N	Remarks
1	Ensure the execution logs for Data Migration Scripts / Export- Import are having no errors.		
2	Ensure the required data sanity check (count) done on Target System.		
3	Ensure all database objects are in valid compilation state.		
4	Ensure the Sequence ID ranges and values are reset.		Refer to the Chapter 18, Setting Target Install - Administration and Configuration for more information on resetting Sequence ID Ranges and Current Values for resetting sequences.

Data Migration - KYC 1.2 Case Migration

This chapter provides step-by-step instructions to move all KYC1.2 cases to KYC 8.0.1.0.0 Risk assessment and also discusses the following sections:

- Product Applicability
- Pre-requisites
- Configuring Migration Script
- Verification Steps

You can migrate the following categories of cases:

- All Open cases which are in the following statuses:
 - 100 - Initiated - Yet to be processed for Risk Assessment
 - 14 - Open to User group (Pool) - Waiting for Self Case Assignment
 - 13 - Open - Investigation in Progress
 - 7 - Pending for Approval - Case Escalated for further Review
 - ◆ Cases Closed after Investigation - 200 - Closed
 - ◆ Cases waiting to be cleared - 50 - Hold (Awaiting latest customer / Account info confirmation from RM)
 - ◆ Auto closed Cases - 200 - Closed (No User Assigned done for the case)

The migrated cases are available for viewing and Investigation in the OFSECM 8.0.1.0.0 Investigation User Interface.

Product Applicability

This chapter is applicable for the following list of products.

Table 42. KYC 1.2 Product Applicability

Product Version	Products	Remarks
KYC 1.2	KYC	Plan to migrate all products from a Source install together.

Pre-requisites

This section helps you to understand all pre-requisites required to prepare the source database for migration.

1. Ensure to take backups of the KYC1.2 Atomic and Business schemas and the OFSBD 8.0.1.0.0 Atomic schema
2. Ensure all dimension tables (like `dim_kyc_status`, `dim_kyc_action`, `DIM_RA_PRIORITY`, and so on) of OFSBD 8.0.1.0.0 should have data according to KYC1.2 dimension tables.
3. Ensure all Hold cases (status -15) have been cleared and converted to Clear Hold status (50).
 - The user having RM role should clear cases on Hold
 - Alternatively, execute the following command in the Cloned Source KYC Schema.
 - Update `FCT_CASES` Set `n_case_status_key = 50` where `n_case_status_key=15`
4. Ensure all open cases in KYC1.2 are closed before starting migration.
 - Migration utility closes all open cases automatically, this is default features.
 - Alternatively KYC user can close open cases manually one by one from the UI and simultaneously need to disable default feature by running below command

```
Update Mig_rule_mapping Set Execute_Y_N = 'N' Where Sno=- 2; (it is minus 2)
Commit;
```

Note: If user is doing manual closure from UI then it is mandatory to disable the default feature mentioned above.
5. Ensure all auto closed cases have been purged in KYC1.2 as of date of migration. This is to improve the performance of the migration.
 - Run `fn_purge` from the backend in KYC1.2 Atomic schema, pass Null for all parameters.
 - Alternatively, run the purge task from the batch. Select Batch date as current date.
6. Ensure OFS BD 8.0.1.0.0 is installed. Refer to the [Chapter 8, Preparing Target - Install BD 8.0.1.0.0](#).
7. Ensure all Users of KYC 1.2 are available in OFSBD 8.0.1.0.0(Target System). This is required for Case Auto-Assignment. Refer to the [Chapter 9, Setting Target Install - AAI User Migration](#).
8. Ensure that the KYC1.2 and OFSBD 8.0.1.0.0 databases are up and the KYC batches are not executed in both Source (KYC 1.2) and Target system (OFSBD 8.0.1.0.0) to have a stable state to conduct data migration.
9. Verify KYC1.2 `APPLN_INSTALL_PARAMS`, `DIM_STATUS`, `DIM_ACTION` should not be as same data which you are going to populate by the utility. Check logic under file.

```
<OFS_BD_MIGRATION_HOME>/kyc_1.x_migration/db_scripts/BulkClosureAndImpT-
ablePopulation/0.Kyc12TablesPopulation.sql
```
10. Config schema table like `CSSMS_USR_GROUP_MAP`, `CSSMS_GROUP_ROLE_MAP`, should have record of KYC related users like `V_ROLE_CODE = 'KYCADMIN'`, required in bulk closure function created in KYC 1.2 by the utility.

11. All Business schema tables which are being referred during migration should have data of business schema of KYC1.2 like CUST, CUST_ACCT, ACCT, CUST_CUST, CUST_SMRY_MNTH, and so on. Compare the KYC1.2 business schema tables and OFSBD 8.0.1.0.0 business schema tables such as CUST, CUST_ACCT, ACCT, CUST_CUST and if there are additional columns and being referred as mandatory column in migration then it should have data like FATCA_EXEMPT_CD of CUST table of OFSBD 8.0.1.0.0 is referred and data is required under the column.
12. Replace the place holder ##FIC_HOME## in the file.
<OFS_BD_MIGRATION_HOME>/kyc_1.x_migration/
/db_scripts/CaseAssignmentToUsers/70.Case_Assignment_To_Users.sh with \$FIC_HOME
path of OFSBD 801 install(Target)
13. N_FINAL_EFFECTIVE_RISK or N_EFFECTIVE_RISK_SCORE columns of FCT_CASES (KYC1.2) should have value for the cases which are going to migrated see PTC migration function, check the SQL after comment "Inserting into Temp table".
14. Verify whether all tables mentioned in the *CheckList.xls (Sheet-SourceAndDestinationTabs)* are available in the BD Atomic schemas of OFSBD 8.0.1.0.0 (Target System) and KYC Schema of KYC 1.2 (Source DB Clone).
15. Ensure all synonyms mentioned in *CheckList.xls (Sheet-Synonyms)* are available in OFSBD 8.0.1.0.0 and have select, update grant permission.
16. Ensure none of the fact tables mentioned in *CheckList.xls (sheet - SourceAndDestinationTabs)* have data in OFSBD 8.0.1.0.0 (Target System) Atomic schema. Refer to the Excel sheet [KYC CheckList.xls](#)
17. In the OFSBD 8.0.1.0.0(Target System) Atomic schema, there should not be any table(s) with the name containing "MIG_". The Migration utility creates the tables named 'MIG_' during the migration process.
18. Select the count (1) from user_tables where table_name like 'MIG_%' should return 0.
19. Do not run any query of the Migration utility from the back end.
20. Ensure the activities mentioned in the section [Chapter 3, Preparing for Migration](#) are completed successfully.

Configuring Migration Script

This section provides steps to migrate KYC 1.2 Cases to the OFS BD 8.0.1.0.0- ECM Case Repository. Depending on the DB setup of Source DB(KYC 1.2) and Target (OFSBD 801), the configuration steps differ.

- Perform Common configuration before doing following options
- Select Option1 when KYC 1.2 and OFSBD 8.0.1.0.0 on same Database Instance
- Select Option 2 for KYC 1.2 and OFS BD 801 on different Database Instance

This section covers following topics:

- Configuring Common Migration Script Options
- Configuring Migration Script - Option 1
- Configuring Migration Script - Option 2
- Executing Common Script
- Error Logging and Resolution

Configuring Common Migration Script Options

To configure common migration script options, follow these steps:

1. Go to the directory
`<OFS_BD_MIGRATION_HOME>/kyc_1.x_migration/db_scripts/MetaDataScripts,`
2. Open file `4.UpdateSchemaNames.SQL`, and replace the following place holders.
 - a. Replace `##KYC12DocPath##` with document path present in KYC 1.2 config schema document path.

To get document path, follow these steps.

- i. Execute `select V_DOCUMENT_ABSOLUTE_NAME from DOCUMENT_MASTER;`
- ii. Copy the output up to Infodom Name and replace with `##KYC12DocPath##`

For example, suppose the output of above select statement is -

```
/home/gsh/ftpshare/DocStorage/KYC12DOM/1351580384952/11111.txt then  
copy up to /home/gsh/ftpshare/DocStorage/KYC12DOM
```

- b. Replace `##KYC20DocPath##` with OFSBD 8.0.1.0.0 document path

To get document path, follow these steps.

- i. Execute the following select query in the config schema of OFSBD 8.0.1 (Target System)
`select V_DOCUMENT_ABSOLUTE_NAME from DOCUMENT_MASTER`

Following is the output:

```
/home/gsh/ftpshare/DocStorage/OFSBDINFO/1351580384952/11111.txt
```

- ii. Copy the above path up to infodom name -

```
/home/gsh/ftpshare/DocStorage/OFSBDINFO and replace it with ##KYC20DocPath##,
```

Note: keep this path in single quotes written twice like "path name". Don't give double quotes.

Other three placeholders are explained in Option 1 and 2.

3. Go to the directory <OFS_BD_MIGRATION_HOME>/kyc_1.x_migration/db_scripts/ and run the following SQL files.
 - a. Grant_AtomicSchema.SQL in
KYC1.2 atomic schema
 - b. Grant_BusinessSchema.SQL
as per instructions mentioned in the file
 - c. GrantConfigSchema.SQL in
OFSBD 8.0.1.0.0 Config Schema
 - d. GrantMantasSchema.SQL in
OFSBD 8.0.1.0.0 Atomic Schema
 - e. Create Synonyms.SQL as per instructions mentioned in the file.

Note:

- ◆ Read instruction given in each files before execute. Instructions given in each file decide whether you have to run the script or not.
- ◆ In the above referred SQL files where ever it was mentioned as KYC 2.0, it in turn implies and to be treated as OFSBD 8.0.1.0.0.

4. Replace the place holder ##FIC_HOME## in the file
<OFS_BD_MIGRATION_HOME>/kyc_1.x_migration/
/db_scripts/CaseAssignmentToUsers/70.Case_Assignment_To_Users.sh with FIC_HOME
path of Target System(OFS BD 8.0.1.0.0)
Example/scratch/ofsaadb/OFSAAI80/bdf/scripts/execute.sh

Configuring Migration Script - Option 1

This option is used if KYC1.2 (Source KYC Schema) and OFS BD 8.0.1.0.0(Target BD Schema) on the Same Database Machine/ Instance.

To configure the migration script, follow these steps:

1. Open the file 4.UpdateSchemaNames.SQL from
<OFS_BD_MIGRATION_HOME>/kyc_1.x_migration/db_scripts/MetaDataScripts.

Replace the following placeholders:

- a. ## 'KYC12AtomicSchemaName' ## with KYC 1.2 Atomic Schema User
- b. ## 'KYC12BusSchemaName' ## with KYC 1.2 Business Schema User
- c. ## 'KYC12ConfigSchemaName' ## with KYC 1.2 Config Schema Users

Note: Put single quotes twice at either side of the schema name to execute immediate statement. For example, replace `##KYC12AtomicSchemaName##` with `kyc12`.

2. Open the file `5.UpdateDbLink.SQL` from `<OFS_BD_MIGRATION_HOME>/kyc_1.x_migration/db_scripts/MetaDataScripts`.

Replace the following placeholders:

- a. `##KYC1.2AtomicSchemaDbLinkName##` with `Null`
- b. `##KYC1.2BusSchemaDbLinkName##` with `Null`
- c. `##KYC1.2ConfigSchemaDbLinkName##` with `Null`

Note: Do not put this in single quote like `'Null'`.

Configuring Migration Script - Option 2

This option is used if KYC1.2 (Source KYC Schema) and OFS BD 8.0.1(Target BD Schema) are in different database machine/instance.

To configure migration script, follow these steps:

1. Open the file `CreateDbLink.txt` from the directory

`<OFS_BD_MIGRATION_HOME>/kyc_1.x_migration/db_scripts.`

Follow the steps mentioned in the file to create dblinks for Atomic, Business schema and Config Schema.

Note: Ensure OFSBD 8.0.1.0.0 atomic Schema has create Database link permissions

2. Open file `"4.UpdateSchemaNames.SQL"` from `<OFS_BD_MIGRATION_HOME>/kyc_1.x_migration/db_scripts/MetaDataScripts.`

Replace the following placeholders:

- a. `##KYC12AtomicSchemaName##` with word `NULL`
- b. `##KYC12BusSchemaName##` with word `NULL`
- c. `##KYC12ConfigSchemaName##` with word `NULL`

Note: Do not put this in single quote like 'Null'.

3. Open the file `5.UpdatedbLink.SQL"` from `<OFS_BD_MIGRATION_HOME>/kyc_1.x_migration/db_scripts/MetaDataScripts` directory .

Replace the following placeholders:

- a. `##KYC1.2AtomicSchemaDbLinkName##` with the actual database link created for Source DB-KYC 1.2 atomic Schema
- b. `##KYC1.2BusSchemaDbLinkName##` with the actual database link created for Source DB-Business Schema
- c. `##KYC1.2ConfigSchemaDbLinkName##` with actual database link names created for Source DB-config schema names respectively.

Note:

- ◆ Do not put this in single quote like 'Null'.
- ◆ Put single quotes twice at either side of db Link name as you are using execute immediate statement.
- ◆ In the above SQL files where ever KYC 2.0 mentioned ,it in turn implies OFSBD 8.0.1.0.0 Setup

Executing Common Script

This section provides information of Common Script execution. This is applicable for both *Option 1* and *Option 2*. After completing the steps provided in Option 1 or Option 2, follow these steps.

1. Go to directory <OFS_BD_MIGRATION_HOME>/kyc_1.x_migration/bin.
2. Run StartMigration.sh. provide the user ID and password of the Target DB-OFSBD 8.0.1.0.0 Atomic schema. Triggering the script automatically executes the following sequence of steps.

Table 43. Migration Steps

S. No	Step	Script/Folder Details
1	Meta Data Script Executions	The required scripts are present in the folder: <OFS_BD_MIGRATION_HOME>/ kyc_1.x_migration/db_scripts/MetaDataScripts
2	Bulk Closure and Important Table Populations	The required scripts are present in the folder: <OFS_BD_MIGRATION_HOME>/ kyc_1.x_migration/db_scripts /BulkClosureAndImpTablePopulation"
3	Movement Of Cases	The required scripts are present in the folder: <OFS_BD_MIGRATION_HOME>/ kyc_1.x_migration/db_scripts/MovementOfCases
4	Customer and Interested Party Data Movement related to Cases	The required scripts are present in the folder: <OFS_BD_MIGRATION_HOME>/ kyc_1.x_migration/db_scripts /CaseCustomerAndInterestedPartyDataMovement
5	Customer Snapshot Data Movement	The required scripts are present in the folder: <OFS_BD_MIGRATION_HOME>/ kyc_1.x_migration/db_scripts CustomerSnapshotDataMovement
6	Risk Rating Data Movement	The required scripts are present in the folder: <OFS_BD_MIGRATION_HOME>/ kyc_1.x_migration/db_scripts /RiskRatingDataMovement
7	Acknowledgement and Backup	The required scripts are present in the folder: <OFS_BD_MIGRATION_HOME>/ kyc_1.x_migration/db_scripts /AcknowledgmentAndBackup

Table 43. Migration Steps

S. No	Step	Script/Folder Details
8	Promote to case	The required scripts are present in the folder: <OFS_BD_MIGRATION_HOME>/ kyc_1.x_migration/db_scripts/PromoteToCase
9	Case Assignment to Users	The required scripts are present in the folder: <OFS_BD_MIGRATION_HOME>/ kyc_1.x_migration/db_scripts /CaseAssignmentToUser Note: CaseAssignmentToUsers has shell script "Case_Assignment.sh" This script can also be run independently from the path \$FIC_HOME/ficdb/bin/. Run this manually if there is issue in the Utility for this task.
10	Post Case Assignment	The required scripts are present in the folder: <OFS_BD_MIGRATION_HOME>/ kyc_1.x_migration/db_scripts /PostCaseAssginment
11	History Data Movement related to Cases	The required scripts are present in the folder: <OFS_BD_MIGRATION_HOME>/ kyc_1.x_migration/db_scripts /DataMoveHistoryPopulationCaseCreation
12	Document Migration related metadata migrations	The required scripts are present in the folder: <OFS_BD_MIGRATION_HOME>/ kyc_1.x_migration/db_scripts /DocumentMigration

- Each query consumes less or more time depending upon the volume of data which are getting migrated.
- Each Step will run sequentially. If any query of a step executed successfully or any error occurs then it will be prompted on screen and saved in a log file (the path is <OFS_BD_MIGRATION_HOME>/kyc_1.x_migration/logs/KYCMig.log)
- After completing a step, the utility ask to continue the next step. Press **Y** to continue and **N** to quit.
- After completing a step, you must update the checkList.xlsx. For example, if MetaDataScripts is completed then update comments on the checkList.xls (Sheet "MetaDataScripts). Repeat similarly for the other Steps.
- If there is an error during the execution, the execution will stop at that point, updating the STATUS column of the MIG_DATA_POPULATION_SUMMARY table to **N** against the name of the query which has failed.

- After rectifying the error, re-run the `StartMigration.sh`. A message like *'Already migrated or already updated'* will display for all the queries which are executed successfully in the previous run.
 - Before starting Promote to Case (8 serial Number above), you should verify following columns of `FCT_RA_PRCNG` has data.
 - ◆ `v_domain_cd`
 - ◆ `v_jurisdiction_code`
 - ◆ `priority_cdvarchar2`
 - ◆ `v_case_subtype_cd`
 - ◆ `v_case_type_cd`
 - ◆ `v_ra_ref`
 - ◆ `n_ra_source_key`
 - ◆ `n_final_effective_risk`

Refer to the section *Error Logging and Resolution* for more details.

Error Logging and Resolution

If any errors occurred during execution of the steps listed above, these errors would be captured into the following tables:

- `MIG_ERROR_MSG` Columns
- `MIG_DATA_POPULATION_SUMMARY` Columns

The following table describes the columns in the `MIG_ERROR_MSG` table.

Table 44. MIG_ERROR_MSG Columns

S.No	Column Name	Description
1	<code>TABLE_NAME</code>	Name of Target table which is to be populated.
2	<code>ERROR_CODE</code>	Oracle Error Code
3	<code>ERROR_TEXT</code>	Oracle Error Description
4	<code>RULE_NAME</code>	Name of the script during which error occurred.
5	<code>INSERT_DATE</code>	Date with time stamp on when the error occurred

The following table describes the columns in the MIG_DATA_POPULATION_SUMMARY table.

Table 45. MIG_DATA_POPULATION_SUMMARY Columns

S.No	Column Name	Description
1	SNO	Serial Number of the Query
2	TARGET_TABLE_NAME	Name of the target DB-OFS BD 8.0.1.0.0 table which is getting populated.
3	DML_TYPE	Type of script, such as whether this is an insert script, update script or verification script, and so on. There is one record for a combination of SNO, TARGET_TABLE_NAME, and DML_TYPE.
4	LAST_ERROR_CODE	This is the error text against the target table on which data is getting inserted. This always contain the latest error text.
5	LAST_ERROR_TEXT	This is the error text against the target table on which data is getting inserted. This always contain the latest error text.
6	STATUS	If error occurs then this column value will be 'N'.
7	STEP	The whole migration task is divided into steps. Each step is a directory name. This column contains the sequence number of the directory. Example: If the step name is <i>Step2.MovementOfCases</i> the value '2' is stored in this column.

Note:

- The MIG_DATA_POPULATION_SUMMARY table is populated with one record for each table which has been migrated (with or without errors).
 - The MIG_ERROR_MSG table is populated if there are any errors during the migration of the data. There can be multiple records for the migrated table.
 - To identify the error which has occurred, pick the latest record for the migrated table and see the ERROR_CODE and ERROR_TEXT columns for rectification.
 - The latest record data in the ERROR_CODE and ERROR_TEXT columns of the MIG_ERROR_MSG table, LAST_ERROR_CODE, and LAST_ERROR_TEXT columns of the MIG_DATA_POPULATION_SUMMARY for the migrated table should be same.
1. Once the errors are resolved, rerun the StartMigration.sh. It overlooks the scripts which have been already executed successfully and the utility displays a message like:

"Step- 0, Query- 0... FCT_REREVIEW_RA_REASONS....data have been already migrated"

2. After re-execution of that step, check the MIG_DATA_POPULATION_SUMMARY table to verify that the STATUS = 'Y', and that the LAST_ERROR_CODE and LAST_ERROR_TEXT are blank for that step and table.

Verification Steps

Use the following checklist to verify your progress.

Table 46. KYC 1.2 Case Migration Verification Steps

S. No	Task	Completed Y/N	Remarks
1	<p>Ensure the number of KYC1.2 and OFSBD 8.0.1.0.0 records under the SOURCE_TAB_COUNT and TARGET_TAB_COUNT columns of the MIG_RULE_MAPPING table match.</p> <p>This helps to verify the number of cases selected for migration and migrated to target. It simply a count on source and target tables to ensure the number of records before and after migration.</p>		
2	<p>Ensure the STATUS columns has a value of 'Y' for all the records of the MIG_DATA_POPULATION_SUMMARY table, there should not be any record with a status of 'N'.</p> <p>This helps to verify the task has been executed successfully.</p> <p>The LAST_ERROR_CODE and LAST_ERROR_TEXT columns should be blank for all records in the table.</p> <p>This implies to understand error occurred during a particular task. Execution will not proceed further unless we resolve this error.</p> <p>If there is a discrepancy, take a backup (insert script) of MIG_DATA_POPULATION_SUMMARY and send it to Oracle support.</p>		
3	<p>Analyze all the OFSBD 8.0.1.0.0 Atomic Schema tables - This is required to enhance performance.</p>		
4	<p>Ensure the new Risk Assessment is created in the FCT_RA table with the D_RA_CREATED_DATE as the migration date.</p> <p>This ensures cases have been migrated to ECM.</p>		
5	<p>Ensure the analyzed date is the current date using:</p> <pre>SELECT TABLE_NAME, LAST_ANALYZED FROM USER_TABLES WHERE TABLE_NAME IN (write here all the KYC 8.0.1.0.0 table names participating in migration)</pre>		

Table 46. KYC 1.2 Case Migration Verification Steps

S. No	Task	Completed Y/N	Remarks
6	Ensure all Closed and Bulk Closed cases in the OFS BD 8.0.1.0.0 UI have complete information.		
7	<p>Ensure Closed, Bulk Closed and Clear Hold cases have a new RA ID, which will be risk rated in the first regular processing batch of OFSBD 8.0.1.0.0.</p> <p>Note: New case (RA) creation concept:</p> <ul style="list-style-type: none"> ● Once all cases have been migrated to OFSBD 8.0.1.0.0 , new RAs are created for those KYC1.2 cases which were in Open (and then Bulk Closed) and Clear Hold statuses. ● These RAs will be put on Clear Hold status so that it will be picked when the regular processing batch will start in KYC2.0. ● These RAs will have new RA IDs with the date of migration and RA created date as the date on which migration was started. ● These RAs will either be promoted to OFSBD 8.0.1.0.0 or done according to normal KYC process. ● Promotion of such RAs depends on the <code>KYC_BULK_CLOSURE_MIG</code> parameter, set in the Application Parameter table. If attribute4 value of this parameter is set as Y, then the system will promote all such RAs to OFSBD 8.0.1.0.0 (since these RAs will not be closed by closure update function). Otherwise, if the <code>KYC_BULK_CLOSURE_MIG</code> parameter is set to N, then promotion of such RAs will be done in normal way as done for other RAs. (Such as, only high risk category RAs will be promoted to OFSBD 8.0.1.0.0.) 		
8	<p>Ensure you have taken a backup of the following migration related tables and shared it with the Oracle support team in case of any queries on the migration.</p> <ul style="list-style-type: none"> ● (prepare insert script) of table <code>MIG_RULE_MAPPING</code> ● (prepare insert script) of <code>MIG_DATA_POPULATION_SUMMARY</code> 		

Data Migration - Documents from Database

This chapter describes steps required to migrate documents stored in the database to the physical file system and maintaining metadata entries for documents. It covers following sections:

- Product Applicability
- Pre-requisites
- Transferring Documents from Database
- Verification Steps

Product Applicability

This chapter is applicable for the following list of products.

Table 47. Document Migration Products Applicability

Product Version	Applicable Products	Remarks
Mantas 5.x	<ul style="list-style-type: none"> ● AML ● Fraud ● TC ● BC ● ECTC ● Integrated CM 	

Pre-requisites

1. Ensure the activities mentioned in [Chapter 3, Preparing for Migration](#), are completed successfully and BD 8.0.1.0.0 migration kit available on the Target environment.
2. Prior to transferring the documents, verify that enough space is available in the file system of the Application layer of the Target Install.
3. To determine the required disk space, execute the following SQL Query in the OFSBD 801 Unified schema:
 - a. `select ceil(sum(FILE_SIZE)/(1024*1024)) || ' MB' from KDD_DOC;`
 - b. Check for available space in the target Install - `<ftpshare>/<DOCUMENT_UPLOAD_SAVE>`

Note: Get the `<DOCUMENT_UPLOAD_SAVE>` path by executing the following query in the Config Schema of AAI.

```
select PARAMVALUE from CONFIGURATION where
PARAMNAME='DOCUMENT_UPLOAD_SAVE'
```

- c. Ensure the available space in the target Install is more than the size required from the first step above.
4. Ensure that the OFSAAI Application Server is running before starting the Document Migration.
5. Login to the Configuration schema and make sure that `DOCUMENT_UPLOAD_SAVE`, `DOCUMENT_UPLOAD_TEMP_WS` and `DOCUMENT_UPLOAD_TEMP` parameters present in Configuration table have valid values. These values are set at the time of installation and required for the user to be able to view / attach documents through the Product User Interface.
 - `DOCUMENT_UPLOAD_SAVE`
 - `DOCUMENT_UPLOAD_TEMP_WS`
 - `DOCUMENT_UPLOAD_TEMP`
6. Check the `<OFS_BD_MIGRATION_HOME>/doc_migration/lib` directory for the availability of following jar files:
 - `AESCryptor.jar`
 - `FICServer.jar`
 - `j2ssh-core-0.2.5.jar`
 - `log4j-1.2.12.jar`
 - `ojdbc14.jar`
 - `Upgrade.jar`

Transferring Documents from Database

This section describes how to transfer documents from the database.

To transfer documents from the database, follow these steps:

1. Login to the Target (OFS BD 8.0.1.0.0) Atomic Schema and run the following update statement:
`update KDD_ACTIVITY_DOC set delete_flg = 'N' where delete_flg != 'N'`
Commit the changes.
2. In order to fine tune the Document Migration process for optimal performance, open the `run.sh` file available at `<OFS_BD_MIGRATION_HOME>/doc_migration/bin` and modify the values of the following parameters.
 - **BATCH_SIZE**: This determines the number of documents that the utility loads in memory at a time for migration. Modify this variable as per your server configuration.
 - **BATCH_TOTAL**: This determines the number of documents that has to be migrated in a single run. Consider the Hardware Configuration and server workload to derive the optimal values for the above mentioned parameters.
3. Navigate to `<OFS_BD_MIGRATION_HOME>/doc_migration/bin` and execute the command `./upgrade_utility.sh ALTER_DB_FOR_DOC_MIG` to create the required log tables.

The user must enter the following details when prompted:

- a. Enter UserID for Behavior Detection Schema User.
- b. Enter Password for Behavior Detection Schema User.

4. Navigate to `<OFS_BD_MIGRATION_HOME>/doc_migration/bin` and execute the command `./upgrade_utility.sh DOC_UPGRADE` to trigger document migration.

The user must enter the following details when prompted:

- a. Enter the Module Name (AM/CM).
 - Enter *AM* for Alert Management documents.
 - Enter *CM* for Case Management documents.
- b. Enter the Behavior Detection Infodomain Name used at the time of installing the product in the Target System.
- c. Enter the types of Alerts or Cases for which the documents need to be migrated.
 - O - Open
 - C - Closed
 - B - Both Open and Closed
- d. Check the log `Document_migration_<timestamp>.log` created under `<OFS_BD_MIGRATION_HOME>/doc_migration/logs` for any errors.
- e. Check `upgrade_stats` and `upgrade_audit_log` table of OFS BD 8.0.1.0.0 unified schema for any errors.
- f. If there are errors, correct those errors and re-run the utility to resume document migrate.
- g. Login to Target (OFS BD 8.0.1.0.0) Atomic Schema and run the following insert statement and commit the records.

```
INSERT INTO CM_ENTITY_DOCUMENT_MAP
(N_ENTITY_ID,N_ENTITY_DOCUMENT_ID,N_DOCUMENT_ID,V_DOCUMENT_NAME,N_DOCUMENT_
TYPE_ID,N_APP_TYPE_ID,V_DOCUMENT_ABSOLUTE_NAME) (SELECT
N_ENTITY_ID,N_ENTITY_DOCUMENT_ID,N_DOCUMENT_ID,V_DOCUMENT_NAME,N_DOCUMENT_T
YPE_ID,N_APP_TYPE_ID,V_DOCUMENT_ABSOLUTE_NAME FROM
ENTITY_DOCUMENT_MAP);commit;
```

Verification Steps

Use the following checklist to verify your progress.

Table 48. Documents from Database - Verification Steps

S. No	Task	Completed Y/N	Remarks
1	<p>Ensure the utility ran without any errors.</p> <p>Note:</p> <ul style="list-style-type: none"> ● Refer to logs at: <OFS_BD_MIGRATION_HOME>/doc_migration/logs ● Refer to the UPGRADE_AUDIT_LOG and UPGRADE_STATS 		
2	<p>Ensure the upgrade_stats.OLD_COUNT and upgrade_stats.NEW_count are matching. In case of mismatch, refer to the UPGRADE_AUDIT_LOG and <OFS_BD_MIGRATION_HOME>/doc_migration/logs for any errors and correct them and re-run the utility.</p>		
3	<p>Ensure the files from the KDD_DOC table are physically present in the Target System's ftpshare/<INFODOM>/<DOC_DOWNLOAD_DIR></p> <ul style="list-style-type: none"> ● <INFODOM> refers to OFS BD 8.0.1.0.0 installed Infodom ● <DOC_DOWNLOAD_DIR> refers to DOCUMENT_UPLOAD_SAVE path. ● Run the query select PARAMVALUE from CONFIGURATION where PARAMNAME= 'DOCUMENT_UPLOAD_SAVE' in the CONFIG Schema of AAI to get the value of DOCUMENT_UPLOAD_SAVE path 		
4	<p>Count of rows in the KDD_ACTIVITY_DOC table(select count(*) from kdd_activity_doc WHERE DOC_ID is NOT NULL should be equal to the count of physical documents available in the Target System's ftpshare/<INFODOM>/<DOC_DOWNLOAD_DIR></p>		

Table 48. Documents from Database - Verification Steps

S. No	Task	Completed Y/N	Remarks
5	<p>Ensure the following set of queries results in same row count.</p> <p>CONFIG Schema:</p> <pre>select count(*) from document_master WHERE V_DSNID= '<INFODOM> '</pre> <p>Note: replace <INFODOM> value with actual INFODOM used for the document migrations.</p> <p>OFSBD Atomic Schema:</p> <pre>Select count(*) from kdd_activity_doc WHERE DOC_ID is NOT NULL</pre>		Applicable for Alert Management Document Migrations
6	<p>Ensure the following set of queries results in same row count.</p> <p>CONFIG Schema:</p> <pre>select count(*) from document_master WHERE V_DSNID= '<INFODOM> '</pre> <p>Note: replace <INFODOM> value with actual INFODOM used for the document migrations.</p> <p>OFSBD Atomic Schema:</p> <pre>select count(*) from entity_document_map</pre>		Applicable for Case Management Document Migrations.
7	<p>Ensure you are able to upload new documents through target system (OFS BD 8.0.1.0.0) application UI.</p>		

Data Migration-Document from Source File System

The chapter describes the copying of documents present in the Source File System to Target Install file systems and includes the following sections:

- Product Applicability
- Pre-requisites
- Transferring Documents from Source File System
- Verification Steps

Product Applicability

This chapter is applicable for the following list of products.

Table 49. Document from Source File System - Product Applicability

Product Version	Products	Remarks
FCCM 6.1.x	<ul style="list-style-type: none"> ● AML ● Fraud ● TC ● BC ● ECTC ● PTA 	
FCCM 6.2.x	<ul style="list-style-type: none"> ● AML ● Fraud ● TC ● BC ● ECTC ● PTA ● KYC ● FATCA 	
CTR 1.2.1	CTR	
KYC 1.2	KYC	

Pre-requisites

1. Ensure you have access to Production Install - <ftpshare>/< DOCUMENT_UPLOAD_SAVE>

Note: Get the DOCUMENT_UPLOAD_SAVE value by executing below query in CONFIG Schema.

```
"select PARAMVALUE from CONFIGURATION where PARAMNAME='DOCUMENT_UPLOAD_SAVE'
```

2. Prior to transferring documents, verify that enough space is available in the file system of the Application layer of the Target Install.

To determine the required disk space, execute the following command Query in the OFSBD 8.0.1.0.0 Unified schema.

- a. `Select ceil(sum(FILE_SIZE)/(1024*1024))||' MB' from KDD_DOC;`

- b. Check for available space in the Target Install - <ftpshare>/<DOCUMENT_UPLOAD_SAVE>

Note: Get the <DOCUMENT_UPLOAD_SAVE> path by executing the following query in Config Schema of AAI.

```
"select PARAMVALUE from CONFIGURATION where  
PARAMNAME='DOCUMENT_UPLOAD_SAVE' "
```

- c. Ensure the available space in the Target Install is more than the size required from the step *a*.

3. Login to the Configuration schema and make sure that

DOCUMENT_UPLOAD_SAVE, DOCUMENT_UPLOAD_TEMP_WS and DOCUMENT_UPLOAD_TEMP parameters present in configuration table have valid values. These values are set at the time of installation and required for the user to be able to view / attach documents through Product User Interface.

- DOCUMENT_UPLOAD_SAVE
- DOCUMENT_UPLOAD_TEMP_WS
- DOCUMENT_UPLOAD_TEMP

Transferring Documents from Source File System

To transfer documents from the Source file system, follow these steps:

1. Go to Production System's <ftpshare>/<INFODOM>/<DOC_DOWNLOAD_DIR>.

Note:

- a. <INFODOM> refers to respective infodom(s) of FCCM 6.1.x / FCCM 6.2.x /CTR 1.2.1 / KYC 1.2 installs. Refer to the *Table 50* Product Version - Product(s) - Infodom Mapping for indicative Information domain names.
- b. <DOC_DOWNLOAD_DIR> refer to the DOCUMENT_UPLOAD_SAVE path from CONFIGURATION Table of Infrastructure Schema of the Source install.
- c. Run the following query to know the <DOC_DOWNLOAD_DIR> of Source System.

```
"select PARAMVALUE from CONFIGURATION where
PARAMNAME='DOCUMENT_UPLOAD_SAVE' "in CONFIG Schema of AAI in the Source
Install.
```

2. Copy the content of <DOC_DOWNLOAD_DIR> to Target system's(OFSBD 8.0.1.0.0) <ftpshare>/<BDINFODOM>/<DOC_DOWNLOAD_TGT_DIR>

- a. <BDINFODOM> refers to Target system's INFODOM.
- b. <DOC_DOWNLOAD__TGT_DIR> refer to DOCUMENT_UPLOAD_SAVE path from CONFIGURATION Table of Infrastructure Schema of the Target install.
- c. Run the query to know the <DOC_DOWNLOAD_DIR> of Source System.

```
"select PARAMVALUE from CONFIGURATION where PARAMNAME= 'DOCUMENT_UPLOAD_SAVE '
"in CONFIG Schema of AAI in the Target Install.
```

3. Repeat above step 1 and 2 for all Infodom's created as a part of Source install. Refer *Table 50* for Product Version - Product(s) - Infodom Mapping.

Table 50. Product Version - Product(s) - Infodom Mapping

Product Version	Products	Infodom Details
FCCM 6.1.x	<ul style="list-style-type: none"> ● AML ● FR ● TC ● BC ● ECTC ● ECM ● PTA 	Number of Infodoms:2 AMINFO for AML FR TC BC ECTC PTA CM INFO for ECM
FCCM 6.2.x	<ul style="list-style-type: none"> ● AML ● FR ● TC ● BC ● ECTC ● ECM ● PTA ● KYC ● FATCA 	No of Infodoms:3 <ul style="list-style-type: none"> ● AMINFO for AML FR TC BC ECTC FATCA PTA ● CMINFO for ECM ● KYCINFO for KYC
KYC 1.2	KYC	No of Infodoms:1 KYCINFO for KYC
CTR 1.2.1	CTR	No of Infodoms:1 CTRINFO for CTR

Note: If the customer has installed FCCM 6.2.x and has not licensed KYC, there is no need to repeat the steps for that infodom.

4. Reset the sequence "TASKS". This step is required to ensure that there should not be any metadata conflict the tables `document_master`, `document_user_map`, `document_user_group_map` for any new document uploads happen from OFSBD 8.0.1.0.0 UI.
 - a. Login to AAI's Config Schema.
 - b. Execute the following query.

```
"select max(n_document_mapusergroup_id) from document_user_group_map "
```
 - c. Execute the following query.

```
ALTER SEQUENCE tasks INCREMENT by <value returned from step b>
```

Verification Steps

Use the following checklist to verify your progress.

Table 51. Document from Source File System- Verification Steps

S. No	Task	Completed Y/N	Remarks
1	Ensure for the installed (respective infodoms) products the documents are copied from Source-ftpshare area to Target-ftpshare area.		
2	<p>Ensure the following set of queries results in same row count.</p> <p>CONFIG Schema(Target System) <pre>select count(*) from document_master WHERE V_DSNID= ' <INFODOM> '</pre></p> <p>Note: replace <INFODOM> value with actual INFODOM used for the document migrations.</p> <p>Config Schema(Source System) <pre>select count(*) from document_master WHERE V_DSNID IN (' <ALL_INFODOMS> ')</pre></p> <p>Note: replace the <ALL_INFODOMS> to include the infodom name's for which documents been migrated from Source to Target System.</p>		The Query shall match in both Source and Target Systems.

Table 51. Document from Source File System- Verification Steps

S. No	Task	Completed Y/N	Remarks
3	<p>Ensure the following set of queries results in same row count.</p> <p>CONFIG Schema(Target System) <code>select count(*) from document_user_map WHERE V_DSNID= '<INFODOM>'</code></p> <p>Note: replace <INFODOM> value with actual INFODOM used for the document migrations.</p> <p>Config Schema(Source System) <code>select count(*) from document_user_map WHERE V_DSNID IN ('<ALL_INFODOMS>')</code></p> <p>Note: replace the <ALL_INFODOMS> to include the infodom name's for which documents been migrated from Source to Target System.</p>		The Query shall match in both Source and Target Systems.
4	<p>Ensure the following set of queries results in same row count.</p> <p>CONFIG Schema(Target System) <code>select count(*) from document_user_group_map WHERE V_DSNID= '<INFODOM>'</code></p> <p>Note: replace <INFODOM> value with actual INFODOM used for the document migrations.</p> <p>Config Schema(Source System) <code>select count(*) from document_user_group_map WHERE V_DSNID IN ('<ALL_INFODOMS>')</code></p> <p>Note: replace the <ALL_INFODOMS> to include the infodom name's for which documents been migrated from Source to Target System.</p>		The Query shall match in both Source and Target Systems.
5	<p>Ensure you are able to upload new documents through Target system (OFS BD 8.0.1.0.0) application UI.</p>		

Setting Target Install - Administration and Configuration

This chapter provides details on how to configure and administrate the applications migrated to the Target system installed (OFS BD 8.0.1.0.0) and covers the following sections:

- Product Applicability
- Prerequisites
- Performing Administration and Configuration
- Verification Steps

Product Applicability

This chapter is applicable for the following list of products.

Table 52. Administration and Configuration Product Applicability

Product Version	Products	Remarks
Mantas 5.x	<ul style="list-style-type: none"> ● AML ● Fraud ● TC ● BC ● ECTC ● Integrated CM 	Plan to perform configuration and administration activities for the applications migrated to the target environment.
FCCM 6.1.x	<ul style="list-style-type: none"> ● AML ● Fraud ● TC ● BC ● ECTC ● PTA ● ECM 	Plan to perform configuration and administration activities for the applications migrated to the target environment.

Table 52. Administration and Configuration Product Applicability

Product Version	Products	Remarks
FCCM 6.2.x	<ul style="list-style-type: none"> ● AML ● Fraud ● TC ● BC ● ECTC ● PTA ● ECM ● FATCA 	Plan to perform configuration and administration activities for the applications migrated to the target environment.
KYC 1.2	KYC	Plan to perform configuration and administration activities for the applications migrated to the target environment.
CTR 1.2.1	CTR	Plan to perform configuration and administration activities for the applications migrated to the target environment.

Prerequisites

Ensure you are able to login to OFSBD 8.0.1.0.0 UI with the SYSADMIN and also the respective application ADMIN Users created or migrated.

Performing Administration and Configuration

This section covers the following topics:

- Configuring and Administrating Applications
- Customizing Subsystems
- Resetting Sequence ID Ranges and Current Values
- Executing Post Data

Configuring and Administrating Applications

This section provides information needed to configure and administrate the applications.

Follow the *Administration and Configuration Guides* of the respective applications migrated from the Source to Target Environment. For a list of documents related to each application, refer to the section [Where to Find More Information](#). You can also refer to the *Known Issues* section in the *Oracle Financial Services Behavior Detection 8.0.1.0.0 Release Notes* for any known 8.0.1.0.0 issues that may require manual workarounds.

Customizing Subsystems

This section provides information about how to customize subsystem configuration.

This section explains the following topics:

- Transferring Database Tools Configuration
- Transferring Behavior Detection Subsystem Configuration
- Transferring Data Ingestion Subsystem Configuration
- Modifying Batch Processing Schedule
- Data Interface Specification (DIS)

Transferring Database Tools Configuration

- In your prior installation, review the `install.cfg` file for any changes to be replicated into the new installation.

For example, the value for the `calendar.lookBack` parameter in `$MANTAS_HOME/database/db_tools/mantas_cfg/install.cfg` has a default value of 365 days.

- If you are running any scenarios with lookbacks that may be greater than a year, (for example, change in Behavior Scenarios), it is recommended that you increase the value to accommodate 13 months, that is, increase it to at least 396 days.

Transferring Behavior Detection Subsystem Configuration

- In your prior installation, review the `install.cfg` file for any changes to be replicated into the new installation. For example, if you have edited the `$MANTAS_HOME/behavior_detection/algorithms/MTS/mantas_cfg/install.cfg` file to decrease the number of simultaneous jobs the dispatch process executes, then you must reapply this change in the new installation.
- Additionally, if you are using the dataset override feature, the `kdd.custom.dataset.dir` parameter in the `$MANTAS_HOME/behavior_detection/algorithms/MTS/mantas_cfg/install.cfg` must be set to the directory that contains the dataset override text files.
- The dataset override files must be copied to that directory unless it is the same directory in which the files already exist.

Transferring Data Ingestion Subsystem Configuration

- Installing the Data Ingestion Subsystem component upgrades ingestion-related files in the area.
- Java-based ingestion components are used for processes such as fuzzy name matching, pre-processing, loading, trade processing, and market data processing.
- During OFSBD 8.0.1.0.0 install (Target System), the latest files related to data ingestion components are located in the `$FIC_HOME/ingestion_manager` folder.

- If the configuration information for these processes are changed in the existing Mantas 5.x/ FCCM 6.1.x/ FCCM 6.2.x installation to meet your specific requirements, then these changes may have to be implemented in the new installation.

The following files should be checked when deciding to bring customizations to the OFSBD 8.0.1.0.0 system from older versions.

- `$MANTAS_HOME/ingestion_manager/fuzzy_match/mantas_cfg/install.cfg`
 - `$MANTAS_HOME/ingestion_manager/config/DataIngest.xml` - Customizations for this file should be implemented in `DataIngestCustom.xml` in the same directory.
 - `$MANTAS_HOME/ingestion_manager/config/DataIngest.properties`
 - `$MANTAS_HOME/ingestion_manager/config/install.cfg`
 - `$MANTAS_HOME/ingestion_manager/scripts/env.sh`
- If you have trade related data, then copy
`MANTAS_HOME/ingestion_manager/data/firm/transform/FDT.cp` to
`$FIC_HOME/ingestion_manager/data/firm/transform/FDT.cp`.

Modifying Batch Processing Schedule

Refer to the *Administrative Utilities, Batch Control Utility* section of the [Oracle Financial Services Behavior Detection 8.0.1.0.0 Administration Guide](#) to understand, configure, and setup batches in the OFSBD 8.0.1.0.0 environment.

This section explains following topics:

- Pre-processing and Loading Data
- Processing Post-match Generation

Pre-processing and Loading Data

Behavior Detection database utilities enable you to configure and perform batch-related system pre-processing activities. Refer to the *Administrative Utilities, Batch Control Utility* section of the [Oracle Financial Services Behavior Detection 8.0.1.0.0 Administration Guide](#) for more information.

Processing Post-match Generation

Behavior Detection database utilities enable you to configure and perform batch-related system post-processing activities. Refer to the *Administrative Utilities, Post-Processing Tasks* section of the [Oracle Financial Services Behavior Detection 8.0.1.0.0 Administration Guide](#) for more information.

During the post-processing of ingested data, Behavior Detection prepares the detection results for presentation to users.

Preparation of the results depends upon the following processes:

1. Match Scoring
2. Alert Creation
3. Update Alert Financial Data
4. Alert Scoring

5. Alert Assignment
6. Case Assignment
7. Auto Close (optional)
8. Automatic Alert Suppression
9. Highlight Generation
10. Augment Trade Blotter
11. Score Trade Blotter
12. Historical Data Copy
13. Alert Correlation
14. Personal Trading Approval Tasks.

Note: Some post-processing jobs may be new for you. Oracle recommends comparing this set of post-processing tasks to your existing set of post-processing jobs to determine if you need to or want to add any new jobs.

Data Interface Specification (DIS)

Refer to the *Oracle Financial Services Behavior Data Interface Specification (DIS)* to understand specific definitions of the types and format of business data that can be accepted for ingestion.

Resetting Sequence ID Ranges and Current Values

To reset the sequence ID ranges and current values, follow these steps:

1. In your target database review the <Target DB-OFSBD801 Schema>.KDD_COUNTER table, which contains all sequence ID ranges and current values.
2. Update the MAX_VALUE, BATCH_SIZE, and CURRENT_VALUE columns of this table to bring it in sync with the source database KDD_COUNTER table. Refer to the *Scenario Migration Best Practices* section in the *Oracle Financial Services Behavior Detection 8.0.1.0.0 Administration Guide* for further updating counters specifically used by scenarios.
3. Update Oracle Sequences. Refer to the *Update Oracle Sequences* section in the *Oracle Financial Services Behavior Detection 8.0.1.0.0 Administration Guide* for more information. Update dim_country set N_COUNTRY_SKEY = 0 where N_COUNTRY_SKEY = -999;
4. Modify the sequencing of case related data when migration of case data is performed.

Altering Sequence

Note: This is applicable to only 5x to 6x or 5x to 8x

You can alter sequence the in following ways:

- Cases Sequence
- Case Action Sequence
- Case Note History Sequence
- Case Link Sequence

To alter the sequences, login to the Case Schema.

Cases Sequence

For the Cases Sequences, follow these steps:

1. Execute the following query.

```
select max(review_id) from kdd_review; to get max_review_id(for example,  
result is 4000).
```

2. Drop the sequence by executing the following query.

```
drop sequence cm_cases_seq;
```

3. Create Sequence by executing the following query.

```
create sequence cm_cases_seq start with (max_review_id+1) increment by 1  
cache20;
```

For example,

```
create sequence cm_cases_seq start with 4001 increment by 1 cache 20;
```

4. Grant the privileges by executing the following command.

```
grant select on cm_cases_seq to <Target-OFSBD Atomic Schema>;
```

Case Action Sequence

For the Case action sequence, follow these steps.

1. Execute this query.

```
SELECT MAX (actvy_id) FROM kdd_activity;
```

on case schema to get max_action_id (for example, result is 3000).

2. Drop the sequence by executing the following query:

```
drop sequence cm_case_action_seq;
```

3. Create Sequence by executing the following query:

```
create sequence cm_case_action_seq start with (max_action_id+1) increment by 1  
cache 20;
```

For example,

```
create sequence cm_case_action_seq start with 3001 increment by 1 cache 20.;
```

4. Grant the privileges by executing the following command.

```
grant select on cm_case_action_seq to <Target-OFSBD Atomic Schema>;
```

Case Note History Sequence

For Case Note History sequence, follow these steps.

1. Execute this query.

```
SELECT MAX(note_id) FROM KDD_NOTE_HIST;
```

On case schema to get max_note_id (for example, result is 4000).

2. Drop the sequence by executing the following query.

```
drop sequence cm_note_id_seq;
```

3. Create Sequence by executing the following query.

```
create sequence cm_note_id_seq start with (max_note_id+1)increment by 1 cache 20;
```

For example,

```
create sequence cm_note_id_seq start with 4001 increment by 1 cache 20;
```

4. Grant the privileges by executing the below command.

```
grant select on cm_note_id_seq to <Target-OFSBD Atomic Schema>;
```

Case Link Sequence

For the case link sequence, follow these steps.

1. Execute this query:

```
SELECT MAX(link_seq_id)FROM kdd_case_links;
```

on case schema to get max_link_id

For example,

result is 4000.

2. Drop the sequence by executing the following query:

```
drop sequence cm_case_link_seq;
```

3. Create Sequence by executing the following query:

```
create sequence cm_note_id_seq start with (max_note_id+1)increment by 1 cache 20;
```

For example,

```
create sequence cm_note_id_seq start with 4001 increment by 1 cache 20;
```

Grant the privileges by executing the following command.

```
grant select on cm_note_id_seq to <Target-OFSBD Atomic Schema>;
```

Note: If you are migrating from 6x to 8x, Atomic schema in 8.0.x, identifies the ECM sequences in user_sequences with 'CM_%' drop each CM_% 8.0.x sequence and recreate it with a start value that is equal to the corresponding 6.x CM_% last_number value+1.

Verification Steps

Use the following checklist to verify your progress.

Table 53. Verification Checklist

S. No	Task	Completed Y/N	Remarks
1	Ensure the administration activities are performed for the applications migrated from Source system (Mantas 5.x / FCCM 6.1.x / FCCM 6.2.x) to OFSBD 8.0.1.0.0 (Target System) by referring to the <i>Oracle Financial Services Behavior Detection 8.0.1.0.0 Administration Guide</i> .		
2	Ensure the configuration activities are performed for the applications migrated.		
3	Ensure your scenarios with threshold settings run as expected after loading the customized scenarios.		
4	Ensure all the Batch Process Utilities were configured properly and working as expected.		
5	Ensure all the sub systems, Data Ingestion, Behavior Detection, pre and post processing jobs were configured properly and working as expected.		
6	Ensure the Sequence ID ranges and values were reset.		
7	Ensure UI is up and running and you are able to see the Alert and Cases.		

AAI Application Metadata Migration - Export

The Migration Tool is designed to allow customers to easily carry forward maximum metadata as possible to the Oracle Financial Services Analytical Applications Infrastructure (OFSAAI) v8.0.1.0.0 instance.

The procedure described in this guide is a general approach that a customer can follow during the migration. The Utility helps in migrating Users, User Groups, and User Group Mapping details from the source system to the Target system (OFS BD 8.0.1.0.0) and also any customizations done on hierarchies, measures and dataset can be migrated to target system(OFSBD 8.0.1.0.0).

This chapter covers the following sections:

- Product Applicability
- Pre-requisites
- Executing AAI Application Metadata Migration - Export
- Verification Steps

Product Applicability

This chapter is applicable for the following list of products.

Table 54. AAI App Metadata Migration - export Product Applicability

Product Version	Applicable Products	Remarks
FCCM 6.1.x	<ul style="list-style-type: none">● AML● Fraud● TC● BC● ECTC● PTA● ECM	

Table 54. AAI App Metadata Migration - export Product Applicability

Product Version	Applicable Products	Remarks
FCCM 6.2.x	<ul style="list-style-type: none"> ● AML ● Fraud ● TC ● BC ● ECTC ● PTA ● ECM ● FATCA 	
CTR 1.2.1	CTR	
KYC 1.2	KYC	

Pre-requisites

1. Ensure the following activities are performed successfully. [Chapter 6, Preparing Source Install - Clone AAI Install](#) and [Chapter 7, Preparing Target Staging Install - AAI Upgrade](#).
2. Prior executing the Migration Utility for specific object types, read the latest Release Notes to identify any infrastructure and application issues that may impact migration.
3. Ensure to go through following documents and understand on AAI Object Migrations.
 - [Oracle Financial Services Object Migration Utility v7.3.50.0.0 to v8.0.0.0.0 User Guide](#).
 - [Oracle Financial Services Behavior Detection Administration Guide](#)

Executing AAI Application Metadata Migration - Export

AAI object migration utility enables migrating the following list of objects used in OFSBD 8.0.1.0.0 applications.

This section covers following topics:

- Preparing for Object Migrations
- Export Procedure on Source

Preparing for Object Migrations

This section explains how to prepare for Object migration activity.

Table 55. Object Migrations

Object Name	Object Type ID	Dependent Objects	Remarks
Business Hierarchies	103		Implicit Dependency Supported
Business Measures	101		Implicit Dependency Supported

Table 55. Object Migrations

Object Name	Object Type ID	Dependent Objects	Remarks
Dataset	104		Implicit Dependency Supported
Run	110		After the migration, the Run will not be visible in the OFSAAI UI. To enable Process in the UI after migration, you should manually map the APP ID with the Object ID in the OFSA_OBJECT_APPLICATION_MAP table.
Process	111		After the migration, the Process will not be visible in the OFSAAI UI. To enable Process in the UI after migration, you should manually map the APP ID with the Object ID in the OFSA_OBJECT_APPLICATION_MAP table.
Batch	123	Component definitions on which the Batch is created	
ETL	122	Tables and Data Quality Rules	
Rule	112	Dataset, Hierarchies, Measures, and Business Processors	After the migration, the Rule will not be visible in the OFSAAI UI. To enable Rule in the UI after migration, you should manually map the APP ID with the Object ID in the OFSA_OBJECT_APPLICATION_MAP table.
Forms Frame Work	126		
Forms Menu	125		
Tabs	1125		
Templates	1126		

To execute AAI Application Metadata Migration - Export, refer to the following documents:

- [Oracle Financial Services Object Migration Utility v7.3.50.0.0 to v8.0.0.0.0 User Guide.](#)
- [Oracle Financial Services Behavior Detection Application AAI Metadata Migration v8.0.1.0.0](#)

Export Procedure on Source

The following set of activities has to be performed on the Cloned AAI system.

To migrate the OFSAAI Metadata Objects from Cloned AAI system to the Target system, perform the following steps:

1. Login to the UNIX shell on the Cloned OFSAAI instance and navigate to FIC_HOME/utility/Migration/bin folder on the command line terminal.
2. Execute the following command to provide execute permissions to all the folders/files present under the FIC_HOME/utility/Migration/bin location.

```
chmod -R 775 *
```

3. Execute the following command with all the following parameters:

```
./migrationAllobjects.sh 87644 TESTUSER en_US OFSINFODOM OFSfolder EXPORT DQA-  
RCHIVE Y "" "N" Y <Object Id's>
```

Note: Decide the objects need to be migrated and replace the list of Object Id's(Refer above Table) under the tag <Object Id>

Verification Steps

Use the following checklist to verify your progress.

Table 56. Verification Steps

S. No	Task	Completed Y/N	Remarks
1	Ensure the Object Export Logs are verified and no errors reported.		

AAI Application Metadata Migration - Import

This chapter describes steps required to migrate the documents stored in the Database to physical file system and maintaining metadata entries for the documents. It covers following sections:

- Product Applicability
- Pre-requisite
- Executing AAI Application Metadata Migration - Import

Product Applicability

This chapter is applicable for the following list of products.

Table 57. AAI App Metadata Migration - Import Product Applicability

Product Version	Applicable Products	Remarks
FCCM 6.1.x	AML Fraud TC BC ECTC PTA ECM	
FCCM 6.2.x	AML Fraud TC BC ECTC PTA ECM FATCA	
CTR 1.2.1	CTR	
KYC 1.2	KYC	

Pre-requisite

1. Ensure export of Metadata is done and the dump file is available.
2. Ensure the OFSAA services on the Target OFS BD 8.0.1.0.0 system are up and running.
3. Ensure to go through following documents and understand on AAI Object Migrations.
 - [Oracle Financial Services Object Migration Utility v7.3.50.0.0 to v8.0.0.0.0 User Guide](#).
 - [Oracle Financial Services Behavior Detection Administration Guide](#)

Executing AAI Application Metadata Migration - Import

This section covers the following topics:

- Preparing for Object Migrations
- Import Procedure on Target

To execute AAI Application Metadata Migration - Import, refer *Object Migration* section in the [Oracle Financial Services Object Migration Utility v7.3.50.0.0 to v8.0.0.0.0 User Guide](#).

Preparing for Object Migrations

This section describes the preparation activities for object migration.

Table 58. Preparing for Object Migrations - Import

Object Name	Object Type ID	Dependent Objects	Remarks
Business Hierarchies	103		Implicit Dependency Supported
Business Measures	101		Implicit Dependency Supported
Dataset	104		Implicit Dependency Supported
Run	110		After the migration, the Run is not be visible in the OFSAAI UI. To enable Process in the UI after migration, you should manually map the APP ID with the Object ID in the OFSA_OBJECT_APPLICATION_MAP table.
Process	111		After the migration, the Process is not be visible in the OFSAAI UI. To enable Process in the UI after migration, you should manually map the APP ID with the Object ID in the OFSA_OBJECT_APPLICATION_MAP table.
Batch	123	Component definitions on which the Batch is created	

Table 58. Preparing for Object Migrations - Import

Object Name	Object Type ID	Dependent Objects	Remarks
ETL	122	Tables and Data Quality Rules	
Rule	112	Dataset, Hierarchies, Measures, and Business Processors	After the migration, the Rule will not be visible in the OFSAAI UI. To enable Rule in the UI after migration, you should manually map the APP ID with the Object ID in the OFSA_OBJECT_APPLICATION_MAP table.
Forms Frame Work	126		
Forms Menu	125		
Tabs	1125		
Templates	1126		

Import Procedure on Target

Perform the following set of activities on the Target system.

1. Copy the exported .DMP file that needs to be imported to \$FIC_HOME/utility/Migration/metadata/restore folder.

Note: If folder structure does not exist, create the folders manually and grant 750 permissions to the user on the folders.

2. Execute the following command to provide execute permissions to all the folders/files present under the FIC_HOME/utility/Migration/bin location.

```
chmod -R 775 *
```

3. Navigate to \$FIC_HOME/utility/Migration/bin path and execute migrateAllObjects.sh by passing the parameter values, as follows:

```
./migrationAllObjects.sh 8860 TESTUSER en_US OFSINFODOM OFSfolder IMPORT DQARCHIVE Y Y N Y <Object Id's>
```

Note: Decide objects need to be migrated and replace the list of Object IDs (refer to the above Table) under the tag <Object Id>

For more details on each argument passed, refer to the [Oracle Financial Services Object Migration Utility v7.3.50.0.0 to v8.0.0.0.0 User Guide](#).

Verification Steps

Use the following checklist to verify your progress.

Table 59. AAI App Metadata Migration - Import Verification Steps

S. No	Task	Completed Y/N	Remarks
1	Ensure the customization done on UMM Objects (Measures, Hierarchies, and dataset) on Source environment was successfully copied to the Target Environment.		
2	Ensure the SMS related Objects (Users / User Groups) are successfully migrated to the OFSBD 8.0.1.0.0 Target environment.		
3	Ensure the Object Import logs are verified and no errors reported.		
4	Ensure AAI Servers are started and able to access the UI of application with the migrated Users on the target system.		

This chapter mentions the steps to verify the Target system OFS BD 8.0.1.0.0 post the migrations and also explains following sections:

- Product Applicability
- Pre-requisites
- Executing Dry Run-I

Product Applicability

This chapter is applicable for the following list of products.

Table 60. Dry Run I Products Applicability

Product Version	Applicable Products	Remarks
Mantas 5.x	<ul style="list-style-type: none">● AML● Fraud● TC● BC● ECTC● Integrated CM	Plan to do end to end dry run for the applications migrated to the Target environment.
FCCM 6.1.x	<ul style="list-style-type: none">● AML● Fraud● TC● BC● ECTC● PTA● ECM	Plan to do end to end dry run for the applications migrated to the Target environment.

Table 60. Dry Run I Products Applicability

Product Version	Applicable Products	Remarks
FCCM 6.2.x	<ul style="list-style-type: none">● AML● Fraud● TC● BC● ECTC● PTA● ECM● FATCA	Plan to do end to end dry run for the applications migrated to the Target environment.
KYC 1.2	KYC	Plan to do end to end dry run for the applications migrated to the Target environment.
CTR 1.2.1	CTR	Plan to do end to end dry run for the applications migrated to the Target environment.

Pre-requisites

1. Ensure the administration and configuration activities mentioned under [Chapter 18, Setting Target Install - Administration and Configuration](#) are completed successfully
2. Ensure all OFSAAI application and Web application servers are up and running.
3. Ensure you are able to login to application UI.

Executing Dry Run-I

This section details how to setup and configure various process and systems involved for the applications migrated from the Source system to OFSBD 8.0.1.0.0 (Target System).

To bring data on the UI for display, follow these steps.

1. Perform Security Configuration.
2. Perform Data Ingestion
3. Invokes the BDF Data map component
4. Run Behavior Detection Jobs
5. Execute Post-Processing Tasks
6. Set up and modify a selection of batch-related database processes
7. Access the OFSBD 8.0.1.0.0 UI for the migrated applications with authorized users and ensure the migrated data is displayed as expected. For more information, refer to the following documents:

For more information, refer to the following documents:

- [Oracle Financial Services Behavior Detection Administration Guide](#)

- *Oracle Financial Services Behavior Detection Configuration Guide*

Based on the Applications migrated from the Source to Target, refer to the respective *User Guides*.

This chapter provides the steps to verify the Target system OFS BD 8.0.1.0.0 post-migrations and contains the following sections:

- Product Applicability
- Pre-requisites
- Executing Dry Run-II

Product Applicability

This chapter is applicable for the following list of products.

Table 61. Dry Run Products Applicability

Product Version	Applicable Products	Remarks
Mantas 5.x	<ul style="list-style-type: none">● AML● Fraud● TC● BC● ECTC● Integrated CM	Plan to do end to end dry run for the applications migrated to the Target environment.
FCCM 6.1.x	<ul style="list-style-type: none">● AML● Fraud● TC● BC● ECTC● PTA● ECM	Plan to do end to end dry run for the applications migrated to the Target environment.

Table 61. Dry Run Products Applicability

Product Version	Applicable Products	Remarks
FCCM 6.2.x	<ul style="list-style-type: none">● AML● Fraud● TC● BC● ECTC● PTA● ECM● FATCA	Plan to do end to end dry run for the applications migrated to the target environment.
CTR 1.2.1	CTR	Plan to do end to end dry run for the applications migrated to the target environment.
KYC 1.2	KYC	Plan to do end to end dry run for the applications migrated to the target environment.

Pre-requisites

1. Ensure all administration and configuration activities are completed successfully.
2. Ensure all OFSAAI application and Web application servers are up and running.
3. Ensure you are able to login to application UI.
4. To understand the detailed steps on how to setup and configure various process and systems involved for the applications migrated from the Source system to OFSBD 8.0.1.0.0 (Target System). Refer to the following documents:
 - *Oracle Financial Services Behavior Detection Administration Guide*
 - *Oracle Financial Services Behavior Detection Configuration Guide*

Executing Dry Run-II

This section details how to setup and configure various process and systems involved for the applications migrated from the Source system to OFSBD 8.0.1.0.0 (Target System).

To bring data on the UI for display, follow these steps.

1. Perform Security Configuration
2. Perform Data Ingestion
3. Invokes the BDF Data map component
4. Run Behavior Detection Jobs
5. Execute Post-Processing Tasks
6. Set up and modify a selection of batch-related database processes

7. Access the OFSBD 8.0.1.0.0 UI for the migrated applications with authorized users and ensure that the migrated data and AAI Custom metadata is displayed as expected. For more information, refer to the following documents:

For more information, refer to the following documents:

- *Oracle Financial Services Behavior Detection Administration Guide*
- *Oracle Financial Services Behavior Detection Configuration Guide*

Based on the Applications migrated from the Source to Target, refer to the respective *User Guides*.

8. Execute the batches related to the applications migrated from Source to OFSBD 8.0.1.0.0 (Target System) system.
9. Access the OFSBD 8.0.1.0.0 UI for the migrated applications and ensure the Custom Meta data migrated is displayed as expected. Refer to the following documents:
 - *Oracle Financial Services Behavior Detection Administration Guide*
 - *Oracle Financial Services Behavior Detection Configuration Guide*

