# Oracle Financial Services Advanced Analytical Applications Infrastructure (OFS AAAI) Application Pack

Release Notes

Version 8.0.2.0.0

Part No. E69406-01

# DOCUMENT CONTROL

| Version Number | Revision Date | Changes Done |
|---|---|---|
| 1.0 | Created: December 2015 | Captured new features, fixed issues, limitations and known issues for OFS AAAI 8.0.2.0.0 release. |
| 2.0 | Modified: February 2016 | Captured new features and fixed issues for 80201 One-off. |
| 3.0 | Modified: April 2016 | Modified the Limitation section. |
| 4.0 | Modified: June 2016 | Added a new limitation of OFS AAI. |
| 5.0 | Modified: November 2016 | Added limitation for Export to PDF feature in Exporting Metadata Details. |
| 6.0 | Modified: November 2016 | Added details - 'one-off should be installed if OFS AAAI Pack 8.0.2.0.0 is the only OFSAA Application Pack in the setup' in section **OFS AAAI Consolidated One-Off Patch 8.0.2.0.3**. |
| 7.0 | Modified: March 2017 | Added a new limitation of OFS EM as per bug 25737684. |
| 8.0 | Modified: June 2017 | Replaced the old document links with the new OHC Library links. |
| Created by:<br>Gitcy and Brijesh | Reviewed by:<br>Bharath and Jeev | Approved by:<br>Surag, Subhashini and Deepthi |

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# Preface

This Preface provides supporting information for the Oracle Financial Services Advanced Analytical Applications Infrastructure Application Pack Release Notes and includes the following topics:



## Purpose of This Document

This document contains release information for the following products:

- Oracle Financial Services Analytical Applications Infrastructure (OFS AAI)
- Oracle Financial Services Enterprise Modeling (OFS EM)
- Oracle Financial Services Inline Processing Engine (OFS IPE)
- Oracle Financial Services Big Data Processing (OFS BDP)

## Intended Audience

This document is intended for users of Oracle Financial Services Advanced Analytical Applications Infrastructure (OFS AAAI) Application Pack.

## Related Documents

This section identifies additional documents related to OFS AAAI Application Pack. You can access the following documents from OHC Documentation Library:

- OFS Advanced Analytical Applications Infrastructure (OFS AAAI) Application Pack Installation and Configuration Guide v8.0.2.0.0
- OFS Analytical Applications Infrastructure Environment Check Utility Guide
- OFS Analytical Applications Infrastructure Administration Guide
- OFS Analytical Applications Infrastructure User Guide v8.0.2.0.0
- OFS Inline Processing Engine User Guide v8.0.2.0.0
- OFS Enterprise Modeling User Guide v8.0.2.0.0
- OFS Forms Manager User Guide

Additional documents are:

- OFS Analytical Applications Infrastructure Security Guide

- OFSAAI FAQ Document
- OFS Analytical Applications 8.0.2.0.0 Technology Matrix

# 1 Introduction

OFS AAAI Application Pack 8.0.2.0.0 release can be used to perform a new OFS AAAI Application Pack installation or upgrade an existing OFS AAAI Application Pack installation to 8.0.2.0.0 release. This release is cumulative of enhancements and bug fixes done since the 8.0.0.0.0 release. For details on new features and fixed issues in OFS AAAI 8.0.1.0.0 release, see OFS Advanced Analytical Applications Infrastructure Application Pack Readme v 8.0.1.0.0 .

## 1.1 Products of OFS AAAI Application Pack

Oracle Financial Services Analytical Applications Infrastructure (OFS AAAI) Application Pack consists of four products that powers the Oracle Financial Services Analytical Applications (OFSAA) family of products to perform the processing, categorizing, selection and manipulation of data and information needed to analyze, understand and report on specific performance, risk, compliance and customer insight issues by providing a strong foundation for the entire family of Oracle Financial Services Analytical Applications across the domains of Risk, Performance, Compliance and Customer Insight.

OFS AAAI Application Pack includes Financial Services Analytical Applications Infrastructure, Financial Services Big Data Processing, Financial Services Enterprise Modeling, and Financial Services Inline Processing Engine.

- **Oracle Financial Services Analytical Applications Infrastructure (OFS AAI)**

  Oracle Financial Services Analytical Applications Infrastructure is comprised of a set of frameworks that operates on and with the Oracle Financial Services Analytical Applications Data Model. This infrastructure delivers metadata across the stack and provides a single set of computational engines, and business rules.

- **Oracle Financial Services Big Data Processing (OFS BDP)**

  Oracle Financial Services Big Data Processing option caters the OFSAA platform (OFS AAI) with the capability to run analytics on data stored in Hadoop Distributed File System (HDFS). With the BDP add-on option, all core data management frameworks within OFSAA such as Data Management Framework (T2T/ F2T), Business Metadata Management, Data Quality Framework and Rules framework are enhanced to operate on both Oracle RDBMS data sources as well as Apache Hive data sources.

  OFSAA Run definitions may contain tasks that transform data held in Hive. OFSAA applications that use these platform frameworks for expressing application logic automatically gain the ability to manage data held in Hive. The OFSAA platform leverages HiveQL and Map Reduce in order to process data directly in the Hadoop cluster without having to stage data in a relational database.

- **Oracle Financial Services Enterprise Modeling (OFS EM)**

  Oracle Financial Services Enterprise Modeling offers banking institutions identify business opportunities and to measure the risk prevailing in the competitive market to safeguard the regulatory and economic capital of banks.

  It features an integrated stress testing and modeling capabilities that you can readily apply across multiple risk areas enabling institutions to devise appropriate enterprise-wide and holistic risk and economic capital strategies. The Enterprise Modeling application helps to build robust models or validate the existing models to quantify and predict the risk involved. It also helps banks to conform to prevalent regulatory and supervisory standards based on constant monitoring. Previously, models were built using various pre-packaged statistical functions/ techniques within the system. The Enterprise Modeling application enables a unique scripting environment that allows business analysts to develop R scripted techniques (using R functions as well as ORE functions), which can be used in defining the models. In addition, modelers can directly script the model in the application. Thus, it provides a unified environment to build, host, and execute models across risk categories and a common framework to manage stress scenarios.

- **Oracle Financial Services Inline Processing Engine (OFS IPE)**

  Oracle Financial Services Inline Processing Engine supports the ability to rapidly provide knowledge of related suspicious behavior back to individual business units and even alert customers about any unpredicted activity. This capability will enable banks to identify events earlier alert more losses, and minimize customer service and retention issues.

  The combination of real-time detection and interdiction, real-time alert correlation, and sophisticated behavior detection provided by the Inline Processing Engine, will result in a competitive fraud prevention offering.

Refer to the subsequent chapters to know more about this release.

- Oracle Financial Services Analytical Applications Infrastructure
- Oracle Financial Services Big Data Processing
- Oracle Financial Services Enterprise Modeling
- Oracle Financial Services Inline Processing Engine

# 2 Oracle Financial Services Analytical Applications Infrastructure

This chapter includes the following topics:



## 2.1 New Features

The following features are introduced in this release:

**Data Management Tools**

- Table creation on the fly from Data File Mapping and Data Mapping screens is introduced. This allows you to add dynamic tables into the data model within OFSAA ecosystem.
- Query validation is made optional while saving Data Mapping definition through the introduction of a new configuration parameter.
- To limit the number of records that needs to be loaded, a new target property (RecordLoadLimit) is introduced in Data Mapping definition.

**Data Quality Framework**

- Dynamic Degree of parallelism for RDBMS is supported.
- Referential Integrity checks can be defined using composite key columns.

**System Configuration & Identity Management**

- Users can be optionally created or modified to get authenticated using OFSAA Security Management System in case LDAP authentication is configured.
- Audit Trail report has been enhanced to show detailed information for various operations such as User -User Group map, User Group-Domain map, User Group- Role map, User Group –Folder-Role map, Role-Function map and Profile Holiday Map.

**Business Metadata Management**

- Derived Entity definition supports creating materialized views with option to refresh fast/force/complete on demand/commit and query rewrite.

**Forms Framework**

- Forms Framework has been enhanced to render Forms with CSS3 and HTML 5 constructs in addition to support of HTML 3. This is to enable support of Standards Mode and rendering of HTML pages in Internet Explorer and Google Chrome.

- Migration of Tabs and Layout details is supported for Object Migration Command line utility.
- The behavior of the type 102 control can be changed to either single select or multi-select based on a particular column value of the grid.

## 2.2 Bugs Addressed in This Release

| Component | Sub component | Bug ID | Description |
|---|---|---|---|
| Administration | Utilities | 21328053 | INFODOM DROPDOWN IN "USER GROUP-BATCH EXECUTION MAP" SCREEN SHOWS FULL LIST |
| Data Entry Forms and Queries | Data Entry | 21339271 | NUMBER FORMAT CAUSES EDIT TO FAIL WITH SPECIAL CHARACTER NOT ALLOWED ALERT |
| Data Loading | - | 21173111 | 'ORA-12899: VALUE TOO LARGE FOR COLUMN' IN MESSAGESERVER LOG RUNNING F2T |
| Forms Framework | - | 20598965 | MENU AND DROP DOWN OVERLAP |
| Install and Upgrade Issues | Service Packs | 21915445 | PATCH INSTALLER DOES NOT VALIDATE FOR SESSION LEVEL SHELL AND PROCEEDS WITH BASH |
| | Base Installer | 21810719 | ENVCHECK.SH CHECKS NLS_LENGTH_SEMANTICS DATABASE SETTING AT SESSION LEVEL |
| | | 20727720 | EDITABLE INFORMATION DOMAIN NAME FIELD IS NOT USER FRIENDLY |
| Metadata such as T2T, F2T, etc | T2T Issues | 21812780 | T2T FINISHES SUCCESSFULLY WHEN REJECTION THRESHOLD EXCEEDED |
| Security Management System | - | 21697204 | UCP CONNECTION POOL FAILING IN ALL THE LAYERS |
| Unified Metadata Manager | Business Metadata Management | 21367887 | $MISDATE,$RUNSK DOES NOT WORK IN DATA SET ANSI JOIN SUBQUERIES |
| | | 20760616 | NEED SPECIAL CHARACTERS IN HIERARCHY SHORT DESCRIPTION |

| Component | Sub component | Bug ID | Description |
|---|---|---|---|
| | Data Quality Definition | 20511796 | CHANGE IN ALERT MESSAGE IN DQ LIST OF VALUES CHECK RULE WHEN FILTER TYPE IS CODE |
| | - | 21464164 | MAPPER SCREEN PAGE IS TAKING TOO MUCH TIME TO LOAD AND SAVE |
| System Configuration | Information Domain | 21484146 | ADD PERSISTENCE UNIT ENTRY IN GRCPERSISTENCE&PERSISTENCE DURING INFODOM CREATION |

## 2.3 Limitations and Known Issues

- Model upload option (Erwin or DB Catalog) for the subsequent uploads should be same as the initial upload option.
- Exporting object type with code 2000 (User) fails if FAILONERROR is set to N.
- Dynamic table created during Data File Mapping has incorrect column data types.
- Data Mapping screen alignment changes if tables selected are with big names.
- Description is not getting updated in Excel Upload edit mode.
- Export with Include Search Info option for Type =1 container is not showing search information when exported to Excel Sheet.
- Saving Data Mapping definition takes long time if an entity containing many attributes (>100 columns) is selected as Source entity.
- Export to PDF option, when exporting metadata details, is not available for Variables, Variable Shocks, Scenarios, Stress Definitions, and Models. However, it is available for Techniques, Target Model, T2T, Source Entity, Source, Run, Rule Query, Process, Model, Measures, Hierarchy Filter, Hierarchies, Group Filter, Expressions, DT, Dimensions, Derived Entities, Data Set, Data Quality Rule, Data Quality Group, Data Elements Filter, Cube, Business Processor, Attribute Filter and Alias.

# 3 Oracle Financial Services Big Data Processing

Oracle Financial Services Big Data Processing (BDP) is a separately licensed product.

Modules/ Frameworks enabled to support Big Data Processing in OFS AAI are:

- Data Model Maintenance
- Data Management Tools including Data Sources, Data Mapping, Data File Mapping, and Data Quality Framework
- Business Metadata Management for objects such as Business Processor, Hierarchy, Dataset and Measures
- Run Rule Framework
- System Configuration & Identity Management including Database Details and Information Creation

The products such as OFS Enterprise Modeling and OFS Inline Processing Engine are also enabled to support Big Data Processing. To enable Big Data support for these products, you need to have licenses of the respective products as well.

## 3.1 New Features

### System Configuration & Identity Management

- Database Details screen has been enhanced to capture details about Hadoop Distributed File System (HDFS).
  - Support for Cloudera Connector Drivers
  - Authentication through “KERBEROS_WITH_KEYTAB” for connecting to HDFS-Hive database
  - Database Principal and Proxy user details from the User creation screen
  - Three levels of Impersonation for DB connection:
    - Using the functional ID given at the Database Details
    - Using user mapped functional ID
    - Using Proxy user (User Pass)
- Information domain now comprises of MetaDom Schema and DataDom Schema. MetaDom Schema holds all the Business data definitions and DataDom Schema consists of stored data models. For HDFS database, MetaDom should mandatorily point to an RDBMS schema and DataDom schema should point to the Hive schema. However, in case of information domains based on RDBMS, we cannot segregate MetaDom and DataDom schema.

## Data Model Maintenance

- Business Model upload for Hive based information domains can be performed with ERwin and DB Catalog options.
  - ERwin upload transforms Erwin xml into OFSAAAI metadata repository and creates tables in Hive schema, specified as DataDom in the Information Domain. Model upload operations such as incremental, sliced and rebuild are also supported.
  - DB Catalog option supports reverse generation of existing database metadata into OFSAAI metadata repository by connecting to Hive Schema specified as DataDom in the Information Domain.
- Model upload with DB Catalog option identifies the table partitioned columns and table index information and registers it in OFSAA MetaDom
- Model upload utility (offline) has also been enhanced to support Model Upload with DB Catalog option.

## Data Management Tools

### Data Sources

- Data Sources Definition has been enhanced to support creation and validation of HDFS based sources (both HDFS Table based, that is, Hive or HDFS file based)

### Data Mapping

- Data loading can be performed from:
  - HDFS-Hive Source to RDBMS Target (H2T)
  - HDFS-Hive Source to HDFS Target (H2H)
  - RDBMS Source to HDFS-Hive Target (T2H)
  - HDFS Source to Flat File target (H2F)
- Tools such as SQOOP and Oracle Loader For Hadoop (OLH) can be used for data movement between HDFS/Hive and RDBMS.
- Data loading from Hive to Hive is supported for various HDFS file formats such as Text, Sequence, RC, AVRO, ORC, and Parquet.
- Table creation on the fly in order to add dynamic tables into the data model and register in the Hive store is introduced. This is applicable only for HDFS Information Domains.

- Optimization of various parameters for Hive executions can be provided through Pre-scripts for Hive based Target, that is, for H2H and T2H. Additionally pre-scripts are supported for HDFS sources, that is, H2T.
- Hints are supported at Definition and Mapping level
  - At Definition level, it is supported for H2H, H2T, T2H
  - At Mapping Level, it is not supported for T2H.
- During Data Mapping Definitions, you can associate Data Quality rules.
- The properties supported for Hive based Data Mapping definitions are Rejection Threshold, Batch Size, Record Load Limit, and Loading Type.
- Support of data loading into partitioned Hive target tables is introduced. The partition column values can be passed as static or dynamic.

#### Data File Mapping

- Data Loading from HDFS File System or Local File System to HDFS Target (F2H) is supported for HDFS file formats such as Text, Sequence, RC, and Parquet.
- Data loading from flat file (local or remote to OFSAA) is supported. When it is remote to OFSAA, it can be Local to the server where Hive Server is running or remote to Hive Server.
- Optimization of various parameters for Hive executions can be provided through Pre-scripts if the target information is Hive based, that is for F2H.
- Hints are supported at Mapping level only.
- Table creation on the fly in order to add dynamic tables into the data model and register in the Hive store is introduced. This is applicable only if the target Information Domain is Hive based.
- The properties supported for Hive based Data File Mapping definitions are Record Load Limit, Loading Type, Field Delimiter, Data File Format, and Is File local to Hive Server

### User Defined Functions

Support to register Hive User Defined Functions (UDF) in OFSAA is introduced. Such registered UDFs are listed under expression windows of:

- Data Mapping
- Data File mappings
- Data Quality Rule

### Data Quality Framework

The following features are supported:

- Defining Data Quality rules on Hive Information Domain and Hive Sources is introduced.
- Hive partitions for DQ - DC Executions is supported.
- Optimization of various parameters for DQ executions in Hive Information Domain can be provided through Pre-scripts.
- Referential Integrity checks can be defined using composite key columns.

### Business Metadata Management

- BMM Objects such as Business Processor, Hierarchy, Dataset and Measures can be created in Hive based Information Domains.

### Run Rule Framework

- Rule and Process executions are supported on HDFS-Hive database.
- Rule and Process executions are supported on Hive partitioned tables.

### Enterprise Modeling

Modeling framework is extended to support Big Data. All existing functionalities like Sandbox creation, Sandbox population, Technique creation, Model creation, Model execution and Model Deployment are HDFS compliant.

### Inline Processing Engine

- IPE is integrated with HIVE/HADOOP data sources.
- Batch mode execution is supported in Hive
- Setting run time parameters for Hive in Assessments screen is introduced.

## 3.2 Limitations / Known Issues

- Data Corrections on Generic Check Rules is not supported in T2H, H2T and H2H.
- While creating dynamic table in Data File Mapping / Data Mapping definition, in case of inactive Hive connections the Database xml file gets deleted.
- Data Model changes can be performed only on non-empty tables in case of Hive Infodoms.
- KERBEROS_WITH_KEYTAB is the only authentication type supported.
- Batch Monitor does not provide event logs for F2H, T2H, H2H batches.
- Incremental Data Model Upload is not supported for Hive based Sandboxes.

- Dynamic table creation for storing model outputs is not supported in Hive.
- Filter conditions are not considered while loading data in to the Hive based sandboxes.
- If a Hierarchy is created on a table with the same column holding hierarchy Code and Description, the hierarchy nodes will not be displayed in the Filter browser window on Hive connections.
- Inline Processing Engine in real mode is not supported in Hive.

# 4 Oracle Financial Services Enterprise Modeling

With 8.0.2.0.0 release, OFS Enterprise Modeling is supported for Big Data. Licensing of BDP option is necessary in order to have Big Data support for OFS Enterprise Modeling.

This chapter includes the following topics:



## 4.1 New Features

For new features related to Big Data, see Oracle Financial Services Big Data Processing section.

**Modeling Framework**

- Model Output screen has been enhanced to show the input variables used in the model script.
- Sourcing of existing algorithms/ scripts while defining techniques or models is supported.
- Data Filtering is introduced for scripted models.
- New table creation is supported for models executed using ORE engine.
- Provision to delete the output files created in the remote R server is introduced.

**Stress Testing Framework**

- Inserting or deleting a Process in Stress definition is introduced.
- Uploading Scenario data available from regulators to conduct stress tests is supported.
- Constant values can be provided as shock values in Variable Shock definitions.

## 4.2 Bugs Addressed in This Release

| Component | Sub Component | Bug ID | Description |
|---|---|---|---|
| Advanced Analytics Infrastructure | Modeling | 21695501 | EXECUTE BUTTON TO BE DISABLED WHILE MODELLING EXECUTION IN PROGRESS |
| | | 22123700 | PASSWORD CAPTURED IN CONFIGURATION XML TO BE ENCRYPTED |
| | | 21807880 | ORE EXECUTION FAILS FOR RAC DATABASE |
| | Stress testing | 21890666 | UNABLE TO EXECUTE RUNS CREATED FROM STRESS DEFINITION SCREEN |

## 4.3 Limitations and Known Issues

**NOTE:** For new features related to Big Data, see Oracle Financial Services Big Data Processing section.

- Dynamic table creation in RDBMS for storing model outputs is supported only for models executed using ORE engine.
- An OFSAA framework variable cannot be mapped to different input variables used in the model script.
- Models executed using Standard R engine will fail if multiple primary nodes are set in the ModelingFramework.XML
- Roll back is not handled in case of wrong Scenario data upload for conducting stress tests.
- In case of Constant Value shock, the columns are not refreshed when the Source is changed.
- Execution of Models based on NAG Techniques are not supported on Solaris x86-84 due to non-availability of NAG libraries.

# 5 Oracle Financial Services Inline Processing Engine

OFS Inline Processing Engine (OFS IPE) is a separately licensed product. With 8.0.2.0.0 release, OFS IPE is supported for Big Data. Licensing of BDP option is necessary in order to have Big Data support for OFS Inline Processing Engine.

This chapter includes the following topics:



## 5.1 New Features

For new features related to Big Data, see Oracle Financial Services Big Data Processing section.

The following features are introduced in this release:

- Application-wise metadata can be defined which provides a filter to retrieve data.
- A unique identifier in the results table is provided for external system reference.

## 5.2 Bugs Addressed in This Release

| Component | Sub Component | Bug ID | Description |
|---|---|---|---|
| Inline Processing | | 21456924 | ATTRIBUTE OF HIERARCHY FILTER CONTAINING TAB NM S REPLACED WITH ACTIVITY NAME |
| | | 21662052 | IPE_FCCM INTEGRATION: API'S TO BE PROVIDED BY IPE FOR VALIDATION |
| | | 21441059 | IPE RUN THROUGH RRF RUN EXPECTS THE TABLE NAME TO BE IN CAPS |
| | Inline Processing Engine | 21302642 | BATCH SAYS SUCCESSFUL WHEN THE ASSESSMENT QUERY IS NOT BUILD COMPLETELY |
| | | 21206507 | UNIQUE RESULT REFERENCE ID BEING GENERATED BY IPE HAS TO REDUCE THE SIZE |

## 5.3 Limitations and Known Issues

- Execution of an IPE Assessment through Batch in the Operations Batch Maintenance screen is not supported

# 6 OFS AAAI Consolidated One-Off Patch 8.0.2.0.3

Bug 22305774 - CONSOLIDATED ONE-OFF FOR 8.0.2.0.0 INTERIM

This consolidated one-off patch includes enhancements along with the Bug fixes. This one-off should be installed on OFS AAAI 8.0.2.0.0 Application Pack only, provided OFS AAAI Pack 8.0.2.0.0 is the only OFSAA Application Pack in the setup. If the setup has any other OFSAA Application Pack 8.0.2.0.0 or higher, this one-off installation is not required. For information on installing this patch, see the Readme.txt packaged along with the patch installer.

## 6.1 New Features

**OFS Analytical Applications Infrastructure (OFS AAI)**

- A command line utility has been introduced for resaving derived entity either through Batch framework or stand alone.
- A command line utility has been introduced for source model generation.
- Data loading from Table to Hive using SQOOP supports all HDFS file formats.
- Forms are rendered in standard mode based on DB Flag.
- Slowly Changing Dimension (SCD) processing is enabled on Hive Information Domains.
- DB Catalog option supports reverse generation of existing database metadata into OFSAAI metadata repository by connecting to RDBMS Schema specified as DataDom in the Information Domain.
- Configuration of onchange and ismandatory functions is introduced for Flexible KBD controls.

**OFS Inline Processing Engine (IPE)**

- Dynamic Partition of result table in Information based on HIVE is supported.
- Export of Assessment now includes all the metadata associated with the Assessment.
- Capability for post processing the results data is introduced.
- Support of Fixed time window for Profiles is introduced.

## 6.2 Bugs Addressed in This Release

| Component | Sub component | Bug ID | Description |
|---|---|---|---|
| Administration | Security Management | 21844454 | UNABLE TO CREATE NEW USERS WHEN LDAP AUTHENTICATION IS ENABLED |
| | Object Migration | 22446723 | OBJECT MIGRATION SHOULD PERSIST SOURCE AND TARGET OBJECT IDS INTO DATABASE |
| | | 22636779 | ONLINE OBJECT MIGRATION FAILS WITH AN SQL EXCEPTION |
| | | 21944367 | USER GROUP AND ROLES CREATION/MODIFICATION DATE REMAIN SAME AS SOURCE ENVIRONMNT |
| | | 20387128 | ORA-12899: VALUE TOO LARGE FOR COLUMN "REV_MIG_CONN_DETAILS"."DB_PASSWORD" |
| Data Model | - | 21665497 | STAND ALONE DATA MODEL API TO REMOVE TABLE/LIST OF TABLES FROM DATABASE.XML |
| Forms Framework | Forms: ROR | 22516110 | GRC APPLICATION SCREENS ARE NOT LOADING IF WEB SERVER IS WEBSPHERE |
| | | 22320052 | FLEXIBLE KBD IN GRID ISSUE — GETTING JUMBLED VALUES |
| | | 22254540 | FLEXIBLE KBD CONTROLS FAILING WHILE UPDATE OPERTAION |
| | | 21760392 | FLEXIBLE KBD CONTROL NAMING IS CAUSING SQL EXCEPTION |
| | | 21326611 | FLEXIBLE KBD doesn't SUPPORT DYNAMIC BEHAVIOR OF THE KBD CONTROLS |
| | - | 22609025 | SELECTED NODES ARE NOT DISPLAYING IN MULTI SELECT HIERARCHY IN HTML5 |
| | | 22572641 | THE VALUE OF OUTPUT PARAM OF THE STORED PROCEDURE IS SHUFFLED |
| | | 22565153 | ERROR WHILE SELECTING HIERARCHY NODE IN STANDARD MODE |
| | | 22488057 | INTERNAL INCIDENT GRID FIELD CHOOSER IS NOT WORKING |
| | | 22370148 | KBD CONTROLS ARE NOT RENDERED IN HIDDEN MODE |

| Component | Sub component | Bug ID | Description |
|---|---|---|---|
| | | 22343431 | FORMSFRAMEWORK STANDARDS MODE ISSUES FOR FCCM |
| | | 22224334 | IN STANDARDS MODE, MULTI SELECT DROPDOWN, THE LAST OPTION IS MISSING |
| | | 22142486 | CHECKBOX & RADIO BUTTON IS NOT WORKING IN STANDARDS MODE |
| Metadata such as T2T, F2T, etc | - | 22539004 | T2F TASKS ARE FAILING |
| GRC Infrastructure | | 22459967 | SEARCH FUNCTIONALITY NOT WORKING IN KBD PREFERENCE SUMMARY PAGE FOR OTHER LOCALE |
| | | 22459895 | KBD MAPPER AND CHECKER SCREEN NOT GETTING TRANSLATED IN OTHER LOCALES |
| | Business Restructure | 22108528 | KBD RESTRUCTURE BATCH—SSUE--CONNECTION FAILURE |
| | | 21625588 | MULTI LOCALE SUPPORT IN BUSINESS RESTRUCTURE |
| Inline Processing | - | 22539679 | PROFILE SCREEN IS NOT OPENING |
| | | 22298364 | ONCE SAMPLE APP IS INSTALLED AND THE FT&MT ASSESSMENT IS EXECUTED ,THROWS ERROR |
| | | 22296822 | ASSESSMENT WITH EVALUATIONS HAVING VIRTUAL PROFILES ARE FAILING |
| | | 22230457 | UPGRADE PATCH INSTALLER OVERWRITES CERTAIN FILES AS PART OF FIX DNE FOR 21949795 |
| | | 21670173 | IPE_FCCM:IPE TO PROVIDE HANDLER FOR CALLING APP SPECIFIC UI |
| Model Upload | - | 22586529 | MODEL UPLOAD IS FAILING WHILE UPGRADING ALM, PFT FROM 801 TO 802 |
| | | 22537971 | OBJECT REGISTRATION FAILS IN HIVE INFODOM IF TABLE HAS MULTIPLE FK'S REFERENCES |
| | | 22246850 | DATA MODEL CHANGES SHOULD BE PERFORMED ON NON EMPTY TABLES ON HIVE INFODOM |
| | | 22218171 | DB CATALOG DOES NOT GENERATE ENABLE/DISABLE CONSTRAINT, FK'S AND INDEX SCRIPTS. |

| Component | Sub component | Bug ID | Description |
|---|---|---|---|
| | | 22218131 | DB CATALOG ON RDBMS INFODOM GENERATES SCRIPT FILES WITH INCORRECT INFORMATION. |
| | | 21831914 | DB CATALOG OPERATION ON RDBMS INFODOM DOES NOT REGISTER CONSTRAINTS & PARTITIONS |
| Rules Framework | - | 22282842 | UNABLE TO ENTER DECIMAL POINTS FOR PARAMETERIZED BP IN THE RULES |
| | | 22486848 | WSMREREQUEST.SH FAILED WITH ORA-12899 |
| Security Management System | - | 21664092 | MODEL UPLOAD FAILING AT THE TIME OF PACK ON PACK INSTALLATION |
| | | 22375077 | EMP ID IS NOT POPULATED WITH USR ID WHEN NOTIFICATION DETAILS ARE PROVIDED |
| System Configuration | Configuration | 22453450 | APPLICATION ID IS NOT DISPLAYING CORRECT FOR OTHER LOCALES IN MODIFY/VIEW SCREEN |
| | Database Details | 22194505 | UNABLE TO ADD A DB DETAIL IN 802 UPGRADE PATH WITH WEBLOGIC |
| Operations | Batch Monitor | 21949567 | API'S REQUIRED TO TRACK THE BATCH STATUS |
| Workflow Framework | | 21610478 | UNABLE TO ADD MORE THAN ONE DATA FIELD |
| Unified Metadata Manager | Business Metadata Management | 22069446 | PERFORMANCE ISSUE -- MAPPER PUSH DOWN IS TAKING 30 MINS TO COMPLETE |
| | | 22279483 | ERROR ON SAVING THE VIEW 'RETAIL ACCOUNT PROFITABILITY' |
| | Metadata Browser | 22455350 | MDB>DATA SOURCES MENU IS NOT TRANSLATED TO OTHER LOCALES |
| | | 20938863 | MDB TO HAVE UDP SELECTOR FOR T2T MAPPINGS SCREEN |
| Advanced Analytics Infrastructure | Sandbox Definition | 22361980 | SANDBOX DATA POPULATION IN OREC FAILS |
| | | 20368985 | HIVE SANDBOX POPULATION WITH MULTIPLE DATASET - DATA LOAD FAIL |
| | Modeling | 22502054 | JMJ_DBG.LOG SIZE RESULTS IN ORA-09817: WRITE TO AUDIT FILE FAILED NO SPACE LEFT |

| Component | Sub component | Bug ID | Description |
|---|---|---|---|
| | | 22488471 | DATA FILTER MORE THAN ONE NOT GETTING ATTACHED IN MODEL |
| | | 22475286 | POPULATING RUNNING NUMBER FOR PLOT FOR EACH GROUPING IMAGE ID |
| | | 22253428 | MODEL CHAINING NOT WORKING FOR DEPLOYED MODELS |
| | Stress Testing | 22368098 | DUPLICATED PROCESS GETTING CREATED IN RRF |
| | - | 22593718 | SANDBOX DATA POPULATION FAILS WHEN DATA LENGTH IS LARGE FOR DIGIT COLUMNS |
| | | 22530500 | MODEL EXECUTION FAILS IN RDBMS SANDBOX WHEN THERE IS ONLY ONE PK |
| | | 22530345 | INCLUDING TECHNIQUES DOES NOT SHOW ALL INPUT VARIABLES IN MODEL CREATION PAGE |
| | | 22383766 | INCLUDING TECHNIQUES NOT WORKING FOR ORE BASED MODELS |
| | | 22274371 | SCRIPTED MODELS EXECUTION NOT GOING THROUGH IN PRODUCTION INFODOM |
| | | 21252878 | PROVIDE API TO LOCK FEATURE FOR MODEL DEFINITIONS |
| | | 20016359 | PROVIDE API TO READ OUTPUT HANDLES |
| | | 22230010 | INCORRECT COLUMN INDICES DECLARED IN CASE OF MULTIPLE VARIABLE SELECTION |

# 7 Hardware/Software Tech Stack Details

The hardware/software combinations required for OFS AAI/AAAI 8.0.2.0.0 are available at OHC Tech Stack.

# 8 Licensing Information

For details on the third party software tool used, see *OFSAA Licensing Information User Manual Release 8.0.2.0.0* available in the OFSAA Generic Documentation Library.

**Oracle Financial Services Advanced Analytical Applications Infrastructure Application Pack**

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