

Oracle Insurance Planner

Installation Guide

Release 8.1.2.0.0

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ORACLE
Financial Services

Oracle Insurance Planner Installation Guide

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Document Control

Table 1: Document Version Control

Version Number	Revision Date	Change Log
1.0	January 2021	Created the document with instructions for the installation of the Oracle Insurance Planner Release 8.1.2.0.0.

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1 Preface

This section provides supporting information for the Oracle Insurance Planner Installation Guide.

You can find the latest copy of this document in the [OHC Documentation Library](#) which includes all the recent additions or revisions (if any) done to date.

Before you begin the installation, ensure that you have access to [My Oracle Support](#) with the required login credentials to quickly notify us of any issues at any stage.

Topics:

- [Intended Audience](#)
- [Related Documents](#)
- [Conventions](#)
- [Abbreviations](#)

1.1 Intended Audience

The Oracle Insurance Planner Installation Guide is intended for administrators, business users, strategists, data analysts, and implementation consultants who handle installing and maintaining the application pack components.

This document assumes that you have experience installing enterprise components and basic knowledge of the following:

- Oracle Insurance Planner components
- OFSAA architecture
- UNIX commands
- Database concepts
- The web server or web application server

1.2 Related Documents

We strive to keep this document and all other related documents updated regularly; visit the [OHC Documentation Library](#) to download the latest version available. The list of related documents is provided here:

- [OHC Documentation Library](#) **for Oracle Insurance Planner:**

For existing customers of Oracle Insurance Planner (OIP):

- *Oracle Insurance Planner 8.1.2.0.0 Installation Guide*
- *Oracle Insurance Planner 8.1.2.0.0 User Guide*

- For new customers of Oracle Insurance Planner (OIP):

- *Oracle Insurance Planner 8.1.2.0.0 Release Notes*
- *Oracle Insurance Planner 8.1.2.0.0 Installation Guide*

- *Oracle Insurance Planner 8.1.2.0.0 User Guide*
- [OHC Documentation Library](#) for OFS AAI Application Pack:
 - *OFS Advanced Analytical Applications Infrastructure (OFS AAI) Application Pack Installation and Configuration Guide*
 - *OFS Analytical Applications Infrastructure User Guide*
 - *OFS Analytical Applications Infrastructure Administration Guide*
 - *Oracle Financial Services Analytical Applications Infrastructure Environment Check Utility Guide*
- **Additional Reference Documents:**
 - [OFSAA Licensing User Manual, Release 8.1.2.0.0](#)
 - [OFS Analytical Applications 8.1.x Technology Matrix](#)
 - [OFS Analytical Applications Infrastructure Security Guide](#)
 - [Oracle Insurance Planner Security Guides Release 8.1.x](#)
 - [Oracle Financial Services Analytical Applications Infrastructure Cloning Guide](#)
 - [Oracle Insurance Planner Cloning Guide Release 8.1.x](#)
 - [OFSAAI FAQ Document](#)
 - Oracle Financial Services Data Foundation Technical Documents (MOS Doc ID: [2450653.1](#)). See the relevant version of the metadata sheet available in the MOS document (For CAS, see T2T Metadata Staging, and for SCD components, see SCD Metadata sheet).

1.3 Conventions

The following text conventions are used in this document.

Table 2: Document Conventions

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you need to update specific values.
<code>monospace</code>	Monospace type indicates commands within a paragraph, URLs, code in examples, file names, text that appears on the screen, or text that you enter.
Hyperlink	Hyperlink type indicates links to external websites and internal document links.

1.4 Abbreviations

The following table lists the abbreviations used in this document.

Table 3: Abbreviations

Abbreviation	Meaning
DBA	Database Administrator
DDL	Data Definition Language
DEFQ	Data Entry Forms and Queries
DML	Data Manipulation Language
EAR	Enterprise Archive
EJB	Enterprise JavaBean
ERM	Enterprise Resource Management
FTP	File Transfer Protocol
HDFS	Hadoop Distributed File System
HTTPS	Hypertext Transfer Protocol Secure
J2C	J2EE Connector
J2EE	Java 2 Enterprise Edition
JCE	Java Cryptography Extension
JDBC	Java Database Connectivity
JDK	Java Development Kit
JNDI	Java Naming and Directory Interface
JRE	Java Runtime Environment
JVM	Java Virtual Machine
LDAP	Lightweight Directory Access Protocol
LHS	Left Hand Side
MFA	Multi-Factor Authentication
MOS	My Oracle Support
OFSA	Oracle Financial Services Analytical Applications
OFSAI	Oracle Financial Services Analytical Application Infrastructure
OFSAAI	Oracle Financial Services Advanced Analytical Applications Infrastructure Application Pack
OIP	Oracle Insurance Planner
OHC	Oracle Help Center
OLAP	On-Line Analytical Processing
OLH	Oracle Loader for Hadoop
ORAAH	Oracle R Advanced Analytics for Hadoop
OS	Operating System
RAM	Random Access Memory

Abbreviation	Meaning
RDBMS	Relational Database Management System
RHEL	Red Hat Enterprise Linux
SFTP	Secure File Transfer Protocol
SID	System Identifier
SSL	Secure Sockets Layer
TNS	Transparent Network Substrate
URL	Uniform Resource Locator
VM	Virtual Machine
WAR	Web Archive
XML	Extensible Markup Language

Part I

Topics:

- [Introduction](#)
- [Complete Installation Checklist](#)
- [Hardware and Software Requirements](#)
- [Pre-installation](#)
- [Installation](#)
- [Post-installation](#)

2 Introduction

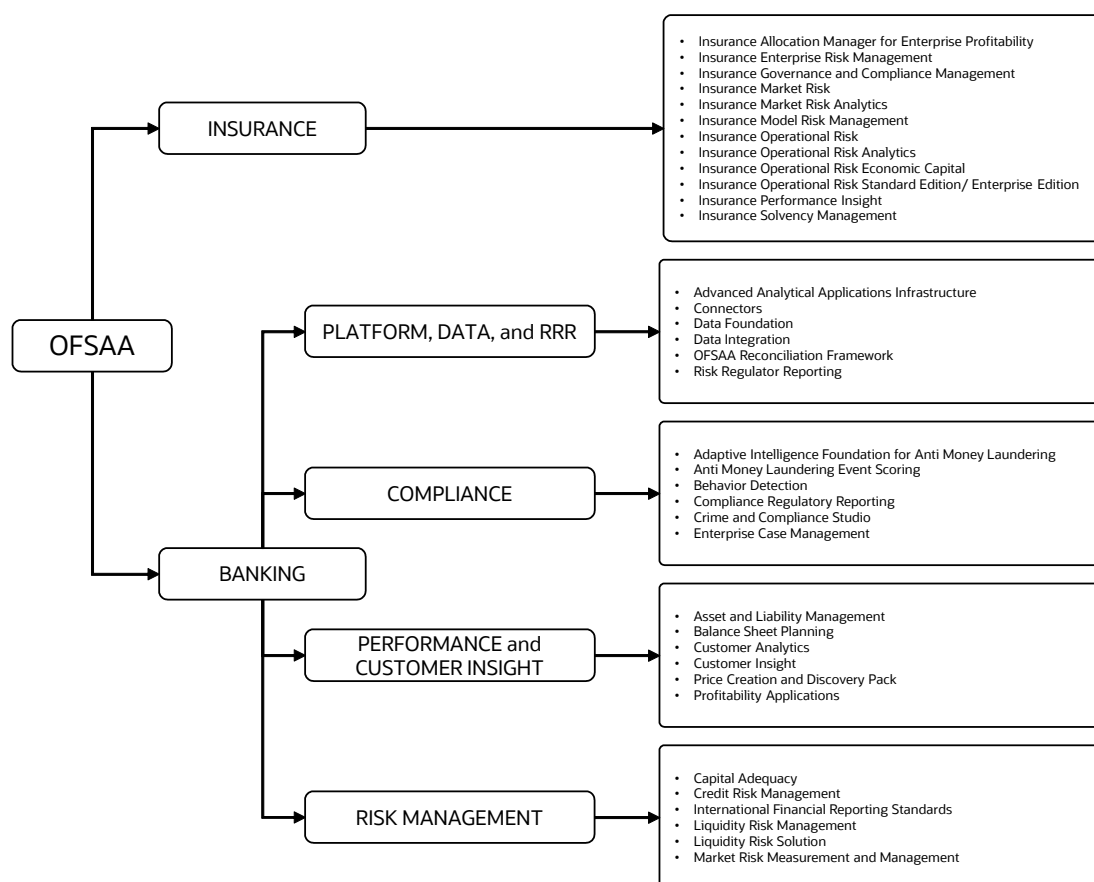
In today's turbulent markets, financial institutions require a better understanding of their risk-return, while strengthening competitive advantage and enhancing long-term customer value. Oracle Financial Services Analytical Applications (OFSAA) enable financial institutions to measure and meet risk-adjusted performance objectives, cultivate a risk management culture through transparency, lower the costs of compliance and regulation, and improve insight into customer behavior.

OFSAA uses industry-leading analytical methods, shared data models, and applications architecture to enable integrated risk management, performance management, customer insight, and compliance management. OFSAA actively incorporates risk into decision making, enables to achieve a consistent view of performance, promotes a transparent risk management culture, and provides pervasive intelligence.

Oracle Financial Services Analytical Applications delivers a comprehensive, integrated suite of financial services analytical applications for both banking and insurance domains.

The following figure depicts the various application packs that are available across the OFSAA Banking and Insurance domains.

Figure 1: OFSAA Application Packs



Topics:

- [Oracle Financial Services Analytical Applications Infrastructure \(OFS AAI\)](#)
- [About Oracle Insurance Planner Application Pack](#)
- [Installation Overview](#)
- [Installation and Upgrade Scenarios](#)
- [Compatibility Matrix](#)

2.1 Oracle Financial Services Analytical Applications Infrastructure (OFS AAI)

Oracle Financial Services Analytical Applications Infrastructure (OFS AAI) powers the Oracle Financial Services Analytical Applications family of products to perform the processing, categorizing, selection, and manipulation of data and information required 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.

Topics:

- [Components of OFSAA Infrastructure](#)
- [OFSAA Infrastructure High Availability](#)
- [Deployment Topology](#)

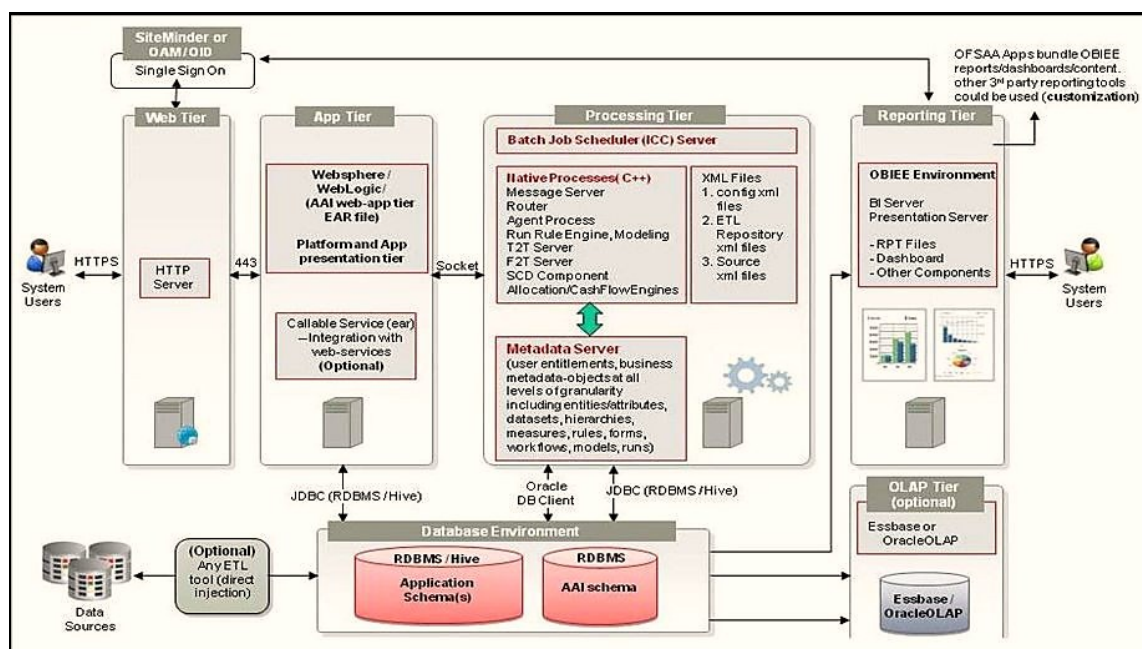
2.1.1 Components of OFSAA Infrastructure

The OFSAA Infrastructure includes frameworks that operate on and with the Oracle Financial Services Analytical Applications Data Model and form the array of components within the Infrastructure.

The OFSAA Infrastructure components or frameworks are installed as two layers; primarily, the metadata server and Infrastructure services run on one layer, while the UI and presentation logic run on the other. The UI and presentation layer is deployed on any of the supported J2EE Servers.

The following figure depicts the various frameworks and capabilities that make up the OFSAA Infrastructure.

Figure 2: Components of OFSAAI



2.1.2 OFSAA Infrastructure High Availability

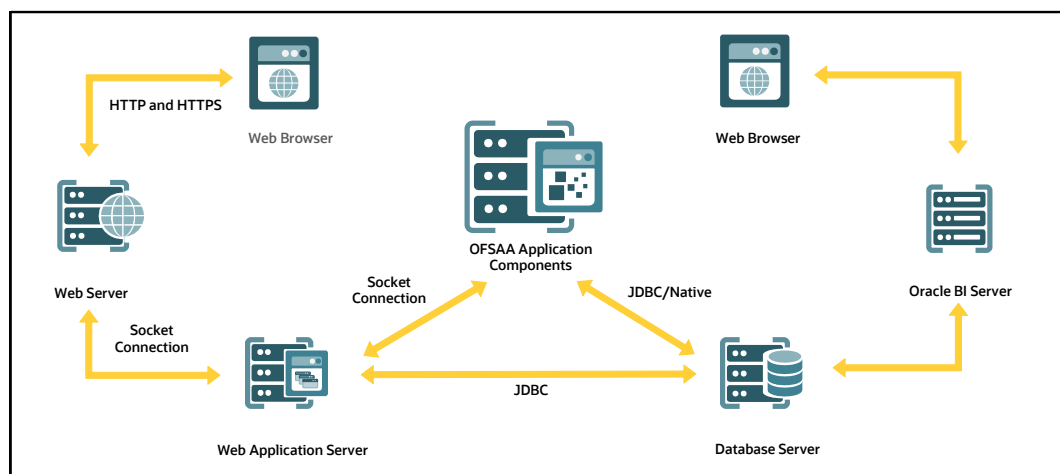
The current release of the OFSAA Infrastructure supports only the Single Instance installation for the Infrastructure components. However, the High Availability (HA) for the Database Server and (or) the Web application server clustering and deployment is supported in this release.

This release supports the Active-Passive model of implementation for OFSAAI components. For more information, see the [Oracle Financial Services Analytical Applications Configuration for High Availability Best Practices Guide](#).

2.1.3 Deployment Topology

The following figure illustrates the deployment topology of OFSAA application packs.

Figure 3: Logical Architecture Implemented for OFSAA Application Packs



2.2 About Oracle Insurance Planner Application Pack

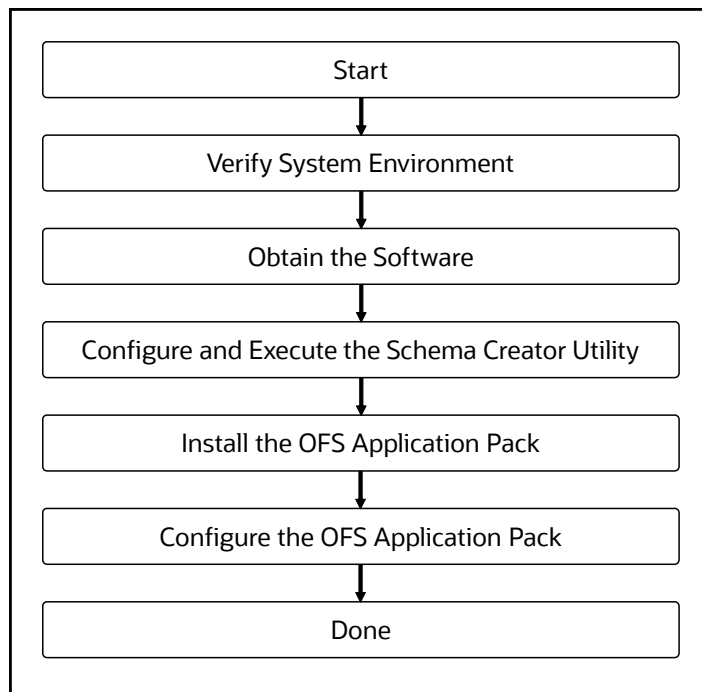
An Insurance company's management is required to take many decisions based on its projected financial statements and KPIs. The decisions include new business mix decisions, risk management-related decisions, capital optimization decisions, and all other decisions that are to be based on forward-looking revenue statements and the balance sheet. Oracle Insurance Planner (OIP) is being developed to work as a decision support system.

OIP, as part of the first release, comes with the ability to create model points and project new business into the future based on the sales estimates or seed values and growth rates provided by the user. Users can upload the projections in respect of existing business as well and can club the projections for further analysis and reports. Reports and forward-looking statements are on the product roadmap and will be part of future releases.

2.3 Installation Overview

To install an Oracle Insurance Planner application pack 8.1.2.0.0 instance, users and administrators must download this installer. The following figure displays the order of procedures you will need to follow to install a new Oracle Insurance Planner Pack 8.1.2.0.0 instance.

Figure 4: Installation Flow



2.4 Installation Scenarios

Release 8.1.2.0.0 of Oracle Insurance Planner supports various installation and upgrade scenarios. A high-level overview of the possible scenarios is provided in the following table. Detailed procedural steps are provided in the succeeding sections of this document.

Table 4: Oracle Insurance Planner Release 8.1.2.0.0 Installation Scenarios

Scenario	Installation and Upgrade Instructions
New Installation	
Installing Release 8.1.2.0.0 application pack for the first time (new installation).	<ol style="list-style-type: none">1. Prepare for the Installation.2. Execute the Schema Creator Utility.3. Install the Oracle Insurance Planner Application Pack.
Install an OIP application pack on an Existing OFSAA Instance You have already installed an application pack from release 8.1.2.0.0 and now you want to install the OIP application pack Release 8.1.2.0.0. Example: Oracle Insurance Accounting Analyzer Pack is already installed and now you want to install Oracle Insurance Planner.	<ol style="list-style-type: none">1. Run the schema creator utility ONLY for the new pack.2. Update the <code>PACK.xml</code> file for the newly licensed pack.3. Update the <code>Silent.props</code> file of the newly licensed pack.4. Run the pre-requisites for Pack on Pack Installation.5. Trigger the Release 8.1.2.0.0 installation.

2.5 Compatibility Matrix

If you want to install OFS IAA and OIP in the same environment, please contact OFSAA Support via [My Oracle Support](#).

3 Complete Installation Checklist

For a successful installation, perform the steps listed in the Complete Installation Checklist. You can use this checklist to have a glance at everything that you will be doing to install this application. The link provided in each step takes you to a section either within this document or to another referenced document.

Table 5: Complete Installation Checklist

Sl. No.	Pre-installation Activity
1	Install all the prerequisite hardware and software given in the OFS Analytical Applications Technology Matrix.
2	Verify the System Environment using the Environment Check Utility.
3	Configure the following Operating System and File System settings: <ul style="list-style-type: none"> • File Descriptor • Total number of processes • Port(s) • .profile file permissions Add FTP/SFTP configuration for file transfer
4	Configure the Operating System and File System Settings
5	Install and configure the web application server.
6	Configure the HTTP settings on the webserver.
7	Mount the FSS to Compute Virtual Machine if you are deploying on the cloud server. Note: This step is applicable only for deployment on the Oracle Cloud Infrastructure.
8	Open the Network Ports for OFSAA Services if you are deploying on the cloud server. Note: This step is applicable only for deployment on the Oracle Cloud Infrastructure.
9	Create the Installation, Download, and Metadata Repository Directories: <ul style="list-style-type: none"> • Installation directory • Temporary directory • Staging Area/Metadata Repository directory Download directory
11	Update the following Environment Settings required for the installation in the .profile file: <ul style="list-style-type: none"> • Java settings • Oracle Database Server and Client settings • Add TNS entries in the TNSNAMES .ORA file • Oracle Essbase settings • Time Zone settings
12	Download the Oracle Insurance Planner installer kit and erwin data model.
13	Extract the installer kit.

Sl. No.	Installation Activity
1	Configure the OFS_OIP_PACK.xml file.
2	Configure the OFS_OIP_SCHEMA_IN.xml file.
3	Execute the Schema Creator Utility in Online, Offline, modes, and verify the log file.
4	Configure the Silent.props file.
5	Configure the OFSAAI_InstallConfig.xml file.
6	Trigger the application installation.
7	Verify the installation logs.

Sl. No.	Post-installation Activity
1	Verify that all patches are successfully installed.
2	Update the Config Schema. Note: This step is applicable only for deployment on the Oracle Cloud Infrastructure.
3	Back up the OFS_OIP_SCHEMA_IN.xml, OFS_OIP_SCHEMA_OUTPUT.xml, and Silent.props files.
4	Stop the OFSAA Infrastructure services.
5	Start the OFSAA Infrastructure services.
6	Create and deploy EAR or WAR files.
7	Configure the browser settings for the Internet.
8	Configure the webserver.
9	Configure the Resource Reference in web application servers.
10	Configure the Work Manager in the web application servers.
11	EAR/WAR File - Build Once and Deploy Across Multiple OFSAA Instances.
12	Access the OFSAA application.
13	Configure excludeURLList.cfg file.
14	Configure Tomcat.
15	Change the ICC batch ownership.
16	Configure Data Source.
17	Set Data Redaction in Oracle Insurance Planner.
18	Implement Data Protection in OFSAA.
19	Post-deployment Configuration. <ul style="list-style-type: none"> • Logging as System Administrator. • Create Application Users. • Map the Application User (or Users) to User Groups.

Sl. No.	Post-installation Activity
	<ul style="list-style-type: none"> • OIP Pack User Group Names.

Sl. No.	Additional Configuration Activity
1	Add FTP/SFTP Configuration for File Transfer.
2	Configure the Infrastructure Server Memory.
3	Configure the Internet Settings.
4	Set OLAP Data Server Configuration.
5	Change IP or Hostname, Ports, Deployed Paths of the OFSAA Instance.
6	Execute the OFSAAI Setup Information Fetching Tool.
7	Execute the Encryption Changer.
8	Configure the Infrastructure LDAP Configuration.
9	Enable Parallel Execution of DML statements
10	Clear the application cache.
11	Configure password changes.
12	Configure Java Virtual Machine.
13	Configure Internal Service (Document Upload/Download).

4 Hardware and Software Requirements

For a list of all the hardware and software requirements including operating systems, database, web servers, and web application server versions for which this release of the Oracle Insurance Planner Applications Pack is qualified see the [OFS Analytical Applications Technology Matrix](#).

NOTE Java 11 is not supported on Solaris.

Topics:

- [Third-Party Licensing Information](#)
- [Verify System Environment](#)

NOTE Oracle Insurance Planner Application Pack installation can be performed on both Virtual and Physical servers.

Oracle Insurance Planner application pack recommends the following software combinations for deployment.

Table 6: Recommended Software Combination

Operating System	Database	Web Application Server	Web Server
Oracle Linux	Oracle Database	IBM WebSphere Application Server / Oracle WebLogic Server/ Apache Tomcat Server	IBM HTTP Server/ Oracle HTTP Server/ Apache HTTP Server
Oracle Solaris	Oracle Database	Oracle WebLogic Server /Apache Tomcat Server	Oracle HTTP Server/ Apache HTTP Server

4.1 Third-party Licensing Information

For more information about the third-party software tools used in Oracle Insurance Planner, see the [OFSAA Licensing Information User Manual Release 8.1.2.0.0](#).

4.2 Verify System Environment

To verify your system environment meets the minimum requirements for the installation, a Pre-install Check utility is available within the Install Kit archive file. This utility can also be obtained separately by contacting [My Oracle Support](#).

Though the system environment verification is an integral and automated part of the installation of this software product, Oracle strongly recommends running this utility before beginning the installation as part of your organization's Installation Readiness Verification Process.

For more information about downloading and using this utility, see the [OFSAA Environment Check Utility Guide](#).

5 Pre-installation

This chapter provides the necessary information to review before installing the Oracle Insurance Planner Pack 8.1.2.0.0.

Topics:

- [Pre-installation Checklist](#)
- [Oracle Database Instance Settings](#)
- [Web Application Server Settings](#)
- [Web Server Settings](#)
- [Create the Installation, Download, and Metadata Repository Directories](#)
- [Configure the OS File System Settings and Environment Settings in the .profile File](#)
- [Download the Oracle Insurance Planner Applications Pack Installer and erwin Data Model](#)
- [Extract the Software](#)

NOTE

When merging the lower version of an application with an integrated data model, retain the larger size of column length.

5.1 Pre-installation Checklist

You can use this checklist to have a glance at everything that you will be doing before installing this application. The link provided in each step takes you to a section either within this document or to another referenced document.

The Installer Environment Check utility notifies you if any requirements are not met.

Table 7: Pre-Installation Checklist

Sl. No.	Pre-installation Activity
1	Install all the prerequisite hardware and software given in the OFS Analytical Applications Technology Matrix.
2	Verify the System Environment using the Environment Check Utility.
3	Configure the following Operating System and File System settings: <ul style="list-style-type: none"> • File Descriptor • Total number of processes • Port(s) • .profile file permissions Add FTP/SFTP configuration for file transfer
4	Configure the Operating System and File System Settings
5	Install and configure the web application server.
6	Configure the HTTP settings on the webserver.

Sl. No.	Pre-installation Activity
7	Mount the FSS to Compute Virtual Machine if you are deploying on the cloud server. Note: This step is applicable only for deployment on the Oracle Cloud Infrastructure.
8	Open the Network Ports for OFSAA Services if you are deploying on the cloud server. Note: This step is applicable only for deployment on the Oracle Cloud Infrastructure.
9	Create the Installation, Download, and Metadata Repository Directories: <ul style="list-style-type: none"> • Installation directory • Temporary directory • Staging Area/Metadata Repository directory Download directory
11	Update the following Environment Settings required for the installation in the <code>.profile</code> file: <ul style="list-style-type: none"> • Java settings • Oracle Database Server and Client settings • Add TNS entries in the <code>TNSNAMES.ORA</code> file • Oracle Essbase settings • Time Zone settings
12	Download the Oracle Insurance Planner installer kit and erwin data model.
13	Extract the installer kit.

5.2 Oracle Database Instance Settings

Ensure that the following database instance settings are configured:

- NLS_CHARACTERSET to AL32UTF8
- NLS_LENGTH_SEMANTICS to BYTE
- OPEN_CURSORS limit to greater than 1000

5.3 Web Application Server Settings for WebSphere

Ensure that the web application server is installed and the profile (when using WebSphere) or domain (when using WebLogic) is created.

Table 8: Web Application Server Settings

Description	Example Value
WebSphere	<p>Web Application Server should be installed and the profile/domain created.</p> <p>You will be prompted to enter the WebSphere Profile path during OFSAAI installation.</p> <p>NOTE: See Configure the Web Server for WebSphere Profile and WebLogic Domain creation.</p>

5.4 Web Application Server Settings for WebLogic

Ensure that the web application server is installed and the profile (when using WebSphere) or domain (when using WebLogic) is created.

Table 9: Web Application Server Settings

Description	Example Value
WebLogic	<p>Web Application Server should be installed and the profile/domain created.</p> <p>You will be prompted to enter the WebLogic Domain path during the OFSAAI installation.</p> <p>NOTE: See Configure the Web Server for WebSphere Profile and WebLogic Domain creation.</p>

5.5 Web Application Server Settings for Tomcat

Ensure that the web application server is installed and the profile (when using WebSphere) or domain (when using WebLogic) is created.

Table 10: Web Application Server Settings

Description	Example Value
Tomcat	<p>Web Application Server should be installed.</p> <p>You will be prompted to enter the Tomcat Deployment path during OFSAAI installation.</p> <p>NOTE: See Configure the Web Server for WebSphere Profile and WebLogic Domain creation.</p>

5.6 Web Server Settings

This is an optional requirement. If you have installed an HTTP Server, then configure the appropriate HTTP server settings:

Table 11: Web Server Settings

Description	Example Value
Apache HTTP Server, Oracle HTTP Server, or IBM HTTP Server	Configure the HTTP Server and note down the IP or Hostname and Port details as you will be prompted to enter these details during installation. NOTE: See Configure the Web Server for web server configuration.

5.7 Create the Installation, Download, and Metadata Repository Directories

To install Oracle Insurance Planner, create the following directories:

- **OFSAA Download Directory (Optional):** This is the directory where the downloaded installer or patches can be copied. Create a download directory and copy the OFSAA Application Pack Installer File (archive). Assign 755 permission to this directory.
- **Temporary Directory:** Default temporary directory where the installation files are stored for a short time to support faster installation. Configure adequate space on the `/tmp` directory. It is recommended that you allocate more than 10 GB of space. Assign 755 permission to this directory with the NOEXEC option disabled.

NOTE

If the NOEXEC option is enabled, the extraction of files by the installer into the `/tmp` directory is prevented and the binaries will not execute in the directory, which will fail the installation.

- **OFSAA Installation Directory (Mandatory):** Create an installation directory where the product binaries are installed. Set the variable `FIC_HOME` in the `.profile` file to point to the OFSAA Installation Directory. Assign 755 user permission to the installation directory.
- **OFSAA Staging or Metadata Directory (Mandatory):** A directory to hold the application metadata artifacts and additionally act as the staging area for the flat files. This directory is also referred to as "FTPSHARE". Create a Staging or Metadata Repository Directory to copy data files, save data extracts, and so on.

The directory must exist on the same system as the OFSAA Installation. This directory can be configured on a different mount or under a different user profile. However, the owner of the installation directory must have RWX (775) permissions to this directory.

NOTE

Ensure the OFSAA staging directory is not set to the same path as the OFSAA installation directory and is not a subdirectory inside the OFSAA installation directory.

5.8 Configure the OS File System Settings and Environment Settings in the .profile File

This section provides detailed information on configuring the operating system and file system settings and how to configure the environment settings.

Topics:

- [Configure Operating System and File System Settings](#)
- [Configure the Environment Settings](#)

5.8.1 Configure Operating System and File System Settings

Log in as a root user and create the `.profile` file at the home directory of the logged-in user if it is not already available. The user must have 755 permission on the file to execute it. This file consists of various parameters for Environment Settings, OS, and File System Settings. Configure the following settings:

Table 12: Web Server Settings

Parameter	Configuration Action
File Descriptor Settings	<p>In the <code>sysctl.conf</code> file, to change the number of file descriptors, do the following as the root user:</p> <ol style="list-style-type: none"> 1. Edit the following line in the <code>/etc/sysctl.conf</code> file: <code>fs.file-max = <value></code> where <code><value></code> is greater than 15000 2. Apply the change by running the following command: <code># /sbin/sysctl -p</code> <p>NOTE: The value specified here is the minimum value to be set for the installation process to go forward.</p>
Total Number of Process Settings	<p>In the <code>sysctl.conf</code> file set the value to greater than 4096.</p> <p>NOTE: The value specified here is the minimum value to be set for the installation process to go forward. For other modules, this value may depend on the available resources and the number of processes executed in parallel.</p>
Port Settings	<p>Default port numbers to be enabled on the system are 6500, 6501, 6505, 6507, 6509, 6510, 6666, 9999, and 10101.</p>
OS Locale	<p>Linux: <code>en_US.UTF-8</code> Solaris: <code>en_US.UTF-8</code></p> <p>To check the locale installed, execute the following command: <code>locale -a grep -i 'en_US.utf'</code></p>

If you are a non-root user, configure the following settings:

Table 13: Configure Operating System and File System Settings

Parameter	Configuration Action
Installation Directory	In the <code>.profile</code> file, set the variable <code>FIC_HOME</code> to point to the OFSAA Installation Directory.
<code>.profile</code> permissions	You must have 755 permission on the <code>.profile</code> file.

To set the parameters for the `.profile` file, login as a non-root user, and configure the environment settings.

WARNING

Do not modify any other parameters other than the parameters mentioned in the following subsections.

5.8.2 Configure the Environment Settings

This section provides information to configure the environment settings before installation.

Topics:

- [Java Settings](#)
- [Oracle Database Server and Client Settings](#)
- [TNS Entries in TNSNAMES.ORA File](#)
- [Time Zone Settings](#)

5.8.2.1 Java Settings

The following table displays the Java settings required for installation.

Table 14: Java Settings

Description	Example Value
In the <code>.profile</code> file, set <code>PATH</code> to include the Java Runtime Environment (JRE) absolute path. Ensure that <code>SYMBOLIC</code> links to <code>JAVA</code> installation are not set in the <code>PATH</code> variable.	<code>JAVA_HOME=/scratch/jdk<<version>>/jre</code> For example: <code>PATH=/usr/java/jre1.8.0_221/bin:\$ORACLE_HOME/bin:\$PATH</code> <code>JAVA_HOME=/scratch/jdk<<version>>/jre</code>
In the <code>.profile</code> file, set <code>PATH</code> to include the Java Runtime Environment bin path.	<code>JAVA_BIN=/scratch/<<version>>/jre/bin</code> For example: <code>PATH=/usr/java/jre1.8.0_221/bin:\$ORACLE_HOME/bin:\$PATH</code>

Description	Example Value
In the <code>.profile</code> file, set the Java tool options for all versions JDK 11.0.20 and above updates	<pre>JAVA_TOOL_OPTIONS=" Djdk.util.zip.disableZip64ExtraFieldValidation=true" export JAVA_TOOL_OPTIONS</pre>
Enable unlimited cryptographic policy for Java.	For more information, see the <i>Enabling Unlimited Cryptographic Policy</i> section from the OFS Analytical Applications Infrastructure Administration Guide .

5.8.2.2 Oracle Database Server and Client Settings

The following table displays the Oracle Database server and client settings required for installation.

Table 15: Oracle Database Server and Client Settings

Description	Example Value
In the <code>.profile</code> file, set TNS_ADMIN pointing to the appropriate <code>tnsnames.ora</code> file.	TNS_ADMIN=\$HOME/tns
In the <code>.profile</code> file, set ORACLE_HOME pointing to the appropriate Oracle Client installation.	ORACLE_HOME=/scratch/oraofss/app_client18c/product/18.0.0/client_1
In the <code>.profile</code> file, set PATH to include the appropriate <code>\$ORACLE_HOME/bin</code> path.	PATH=\$JAVA_HOME/bin:\$ORACLE_HOME/bin
OFSAA Processing Server	Ensure that an entry (with SID/ SERVICE NAME) is added in the <code>tnsnames.ora</code> file.

5.8.2.3 TNS entries in the TNSNAMES.ORA file for Non-TCPS and TCPS

The section includes information about the TNS entries in the TNSNAMES.ORA file for Non-TCPS and TCPS.

5.8.2.3.1 Non-TCPS

The following table displays the Non-TCPS settings required for installation.

Table 16: TNS entries in the TNSNAMES.ORA file for Non-TCPs

Description	Example Value
Ensure that an entry (with SID/ SERVICE NAME) is added in the tnsnames.ora file on the OFSAA server.	<pre> <SID_NAME> = DESCRIPTION = (ADDRESS_LIST = (ADDRESS = (PROTOCOL = TCP) (HOST = <HOST_NAME>.in.oracle.com) (PORT = 1521))) (CONNECT_DATA = (SERVICE_NAME = <SID_NAME>)) <ATOMIC_SCHEMA_NAME> = (DESCRIPTION = (ADDRESS_LIST = (ADDRESS = (PROTOCOL = TCP) (HOST = <HOST_NAME>.in.oracle.com) (PORT = 1521))) (CONNECT_DATA = (SERVICE_NAME = <SID_NAME>))) </pre>

```

<SID_NAME> =
  (DESCRIPTION =
    (ADDRESS_LIST =
      (ADDRESS = (PROTOCOL = TCP) (HOST = <HOST_NAME>) (PORT = <PORT
NUMBER>))
    )
    (CONNECT_DATA =
      (SERVICE_NAME = <SID_NAME>)
    )
  )

<ATOMICSCHEMANAME> =
  (DESCRIPTION =
    (ADDRESS_LIST =
      (ADDRESS = (PROTOCOL = TCP) (HOST = <HOST_NAME>) (PORT = <PORT
NUMBER>))
    )
    (CONNECT_DATA =
      (SERVICE_NAME = <SID_NAME>)
    )
  )

```

NOTE

The ATOMIC SCHEMA NAME must be the same as defined in the OFS_<App Pack>_SCHEMA_IN.xml file.

5.8.2.3.2 TCPS

The following table displays the TCPS settings required for installation.

Table 17: TNS entries in the TNSNAMES.ORA file for TCPS

Description	Example Value
Ensure that an entry (with SID/ SERVICE NAME) is added in the tnsnames.ora file on the OFSAA server.	<pre> <SID_NAME> = DESCRIPTION = (ADDRESS_LIST = (ADDRESS = (PROTOCOL = TCPS) (HOST = <HOST_NAME>.in.oracle.com) (PORT = 1521))) (CONNECT_DATA = (SERVICE_NAME = <SID_NAME>)) <ATOMIC_SCHEMA_NAME> = (DESCRIPTION = (ADDRESS_LIST = (ADDRESS = (PROTOCOL = TCPS) (HOST = <HOST_NAME>.in.oracle.com) (PORT = 1521))) (CONNECT_DATA = (SERVICE_NAME = <SID_NAME>)) (security=(ssl_server_cert_dn=CN=< HOST_NAME>)))) </pre>
Ensure that an entry (with WALLET_HOME and wallet parameters) is added in the sqlnet.ora file on the OFSAA server must be the same as the Oracle database server running with TCPS.	<pre> NAMES.DIRECTORY_PATH= (TNSNAMES, EZCONNECT)WALLET_LOCATION = (SOURCE = (METHOD = FILE) (METHOD_DATA = (DIRECTORY = <PATH TO WALLET DIRECTORY>)))SQLNET.WALLET_OVERRIDE = TRUE SSL_CLIENT_AUTHENTICATION = FALSE SQLNET.AUTHENTICATION_SERVICES = (TCPS,NTS,BEQ) SSL_CIPHER_SUITES = (SSL_RSA_WITH_AES_256_CBC_SHA, SSL_RSA_WITH_3DES_EDE_CBC_SHA) </pre>

```

<SID_NAME> =
  (DESCRIPTION =
    (ADDRESS_LIST =
      (ADDRESS = (PROTOCOL = TCPS) (HOST = <HOST NAME>) (PORT = <PORT
NUMBER>))
    )
    (CONNECT_DATA =
      (SERVICE_NAME = <SID NAME>))
  (security=(ssl_server_cert_dn=CN=<HOST NAME>))
  )

<ATOMICSCHEMANAME> =
  (DESCRIPTION =
    (ADDRESS_LIST =
      (ADDRESS = (PROTOCOL = TCPS) (HOST = <HOST NAME>) (PORT = <PORT
NUMBER>))
    )
    (CONNECT_DATA =
      (SERVICE_NAME = <SID NAME>))
  (security=(ssl_server_cert_dn=CN=<HOST NAME>))
  )

```

NOTE

The ATOMIC SCHEMA NAME must be the same as defined in the OFS_<App Pack>_SCHEMA_IN.xml file, which also includes prefix without underscore. For example, DEVOFSAAATM.

5.8.2.4 Time Zone Settings

In the .profile file, set the Time Zone parameter to indicate the time zone of your region or location.

Table 18: Time Zone Settings

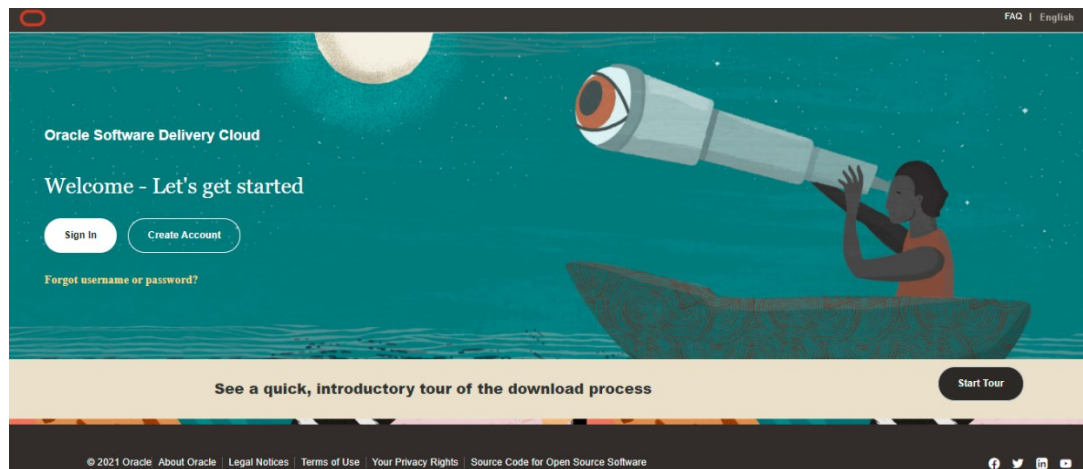
Description	Example Value
Time Zone	TZ=Asia/Calcutta

5.9 Download the Oracle Insurance Planner Application Pack Installer and Erwin Data Model

To download the Oracle Insurance Planner Installer Release v8.1.2.0.0, follow these steps: (Bug Number: **33732895**)

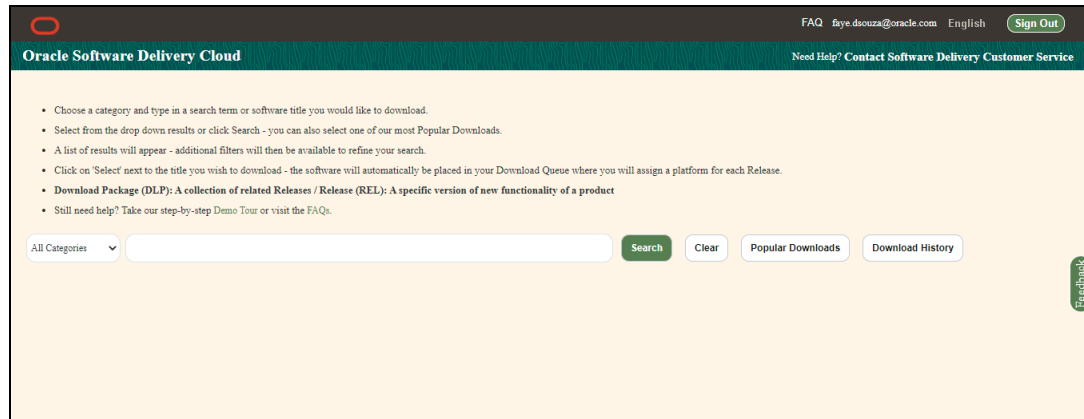
1. Log in to the [Oracle Software Delivery Cloud](#) (OSDC) with a valid Oracle account.

Figure 5: OSDC Login Window



2. Enter Oracle Insurance Planner in the search box.

Figure 6: OSDC - Search Box



3. Download the installer archive and copy (in Binary mode) to the download directory that exists in the Oracle Insurance Planner installation setup.

NOTE

Download the Oracle Insurance Planner Erwin data model patch **34722101** from [My Oracle Support](#). You can search for the patch number in the Patches and Updates tab and download it.

5.10 Extract the Software

You must be logged in to the UNIX operating system as a non-root user to perform the following software extraction steps:

1. Download the unzip utility (OS-specific) `unzip_<os>.zip` and copy it in Binary mode to the directory that is included in your PATH variable.

If you already have an unzip utility to extract the contents of the downloaded archive, skip this step.

2. Uncompress the unzip installer file using the following command:

```
uncompress unzip_<os>.zip
```

NOTE

If an error message: *uncompress: not found [No such file or directory]* is displayed, contact your UNIX administrator.

3. Assign execute (751) to the file using the following command:

```
chmod 751 unzip_<OS>
```

For example `chmod 751 unzip_sparc`

4. Extract the contents of the Oracle Insurance Planner Application Pack Release 8.1.2.0.0 installer archive file in the download directory using the following command:

```
unzip OFS_OIP_PACK.zip
```

5. Navigate to the download directory and assign execute permission to the installer directory using the following command:

```
chmod -R 755 OFS_OIP_Pack
```

NOTE

After extracting the software, apply the Data Model patch **34722101**. This patch must be applied before triggering the installation of the OIP 8.1.2.0.0 application.

5.11 Pre-requisite for Pack on Pack Installation

If an application pack from release 8.1.2.0.0 is installed and now you want to install the OIP application pack Release 8.1.2.0.0, then you must perform the following actions before triggering the installation:

1. In the **ofs_oip_aai_pack.sql** File that is in the <User Home Directory>/OFS_OIP_PACK/OFS_OIP/bin/scripts/config/insert/ofs_oip_aai_pack.sql Path, change the value in the Version Field to 8.1.0.0.0.
2. Run the **ofs_oip_aai_pack.sql** Script from the <User Home Directory>/OFS_OIP_PACK/OFS_OIP/bin/scripts/config/insert/ofs_oip_aai_pack.sql Path.

6 Installation

This section provides detailed steps to install the Oracle Insurance Planner Application Pack.

Topics:

- [Installation Checklist](#)
- [Configure the OFS_OIP_PACK.xml File](#)
- [Configure the Schema Creator Utility](#)
- [Execute the Schema Creator Utility](#)
- [Configure the OFSAAI_InstallConfig.xml File](#)
- [Install the Oracle Insurance Planner Application Pack](#)

6.1 Installation Checklist

You can use this checklist to have a glance at everything that you will be doing to install this application. The link provided in each step takes you to a section either within this document or to another referenced document.

Table 19: Installation Checklist

Sl. No.	Installation Activity
1	Configure the OFS_OIP_PACK.xml file.
2	Configure the OFS_OIP_SCHEMA_IN.xml file.
3	Execute the Schema Creator Utility in Online, Offline, modes, and verify the log file.
4	Configure the Silent.props file.
5	Configure the OFSAAI_InstallConfig.xml file.
6	Trigger the application installation.
7	Verify the installation logs.

6.2 Configure the OFS_OIP_PACK.xml File

The OFS_OIP_PACK.xml file contains details on the various products that are packaged in the Oracle Insurance Planner Application. This section details the various tags and parameters available in the file and the values that must be updated. Before installing the Oracle Insurance Planner Application, it is mandatory to update this file.

NOTE Enable licenses as per your Service Level Agreement (SLA).

To configure the OFS_OIP_PACK.xml file, follow these steps:

1. Navigate to the OFS_OIP_PACK/conf directory.
2. Open the OFS_OIP_PACK.xml file in a text editor.
3. Configure the OFS_OIP_PACK.xml file as mentioned in the following table.

Table 20: OFS_OIP_PACK.xml File Parameters

Tag Name or Attribute Name	Description	Mandatory (Y or N)	Comments
APP_PACK_ID	Unique Application Pack Identifier	Y	Unique Seeded Value. Do not modify this value.
APP_PACK_NAME	Unique Application Pack Name	Y	Unique Seeded Value. Do not modify this value.
APP_PACK_DESCRIPTION	Unique Application Pack Description	Y	Unique Seeded Value. Do not modify this value.
VERSION	Unique release version	Y	Unique Seeded Value. Do not modify this value.
APP	Unique Application Entries	Y	Unique Seeded Value. Do not modify this value.
APP_ID	Unique Application Identifier	Y	Unique Seeded Value. Do not modify this value.
APP_ID/ PREREQ	Prerequisite Application or Product	Y	Unique Seeded Value. For most applications, the prerequisite that is set is OFSAAAI. For all other applications, the default Application ID is set to none. You can set it for the applications you want to install. Do not modify this value.
APP_ID/ DEF_SEL_FLAG	Default Selected Flag	Y	In all Application Packs, Infrastructure requires this value to be set to YES. Do not modify this value.

Tag Name or Attribute Name	Description	Mandatory (Y or N)	Comments
APP_ID/ ENABLE	Enable Application or Product	Y	<ul style="list-style-type: none"> • Default YES for Infrastructure • NO for Others Set this attribute-value to YES against every APP_ID which is licensed and must be enabled for use. NOTE: The Application or Product cannot be disabled once enabled. However, an Application or Product which is not enabled during installation can be enabled later through the Administration UI.
APP_NAME	Unique Application or Product Name	Y	Unique Seeded Value. Do not modify this value.
APP_DESCRIPTION	Unique Application or Product Name	Y	Unique Seeded Value. Do not modify this value.
VERSION	Unique release version	Y	Unique Seeded Value. Do not modify this value.

6.3 Configure the Schema Creator Utility

Creating database users or schemas (RDBMS) is one of the primary steps in the complete Oracle Insurance Planner installation process. The Schema Creator utility enables you to quickly get started with the installation by creating Database User(s) or Schema(s) (RDBMS), assigning the necessary GRANT(s), creating the required entities in the schemas, and so on.

Configure and execute the schema creator utility before installing the OFSAA Application Pack.

Topics:

- [Prerequisites](#)
- [Configure Schema Creator Utility for RDBMS Installation](#)

6.3.1 Prerequisites

Ensure you have the following before configuring the Schema Creator Utility:

- Oracle User ID and Password with SYSDBA privileges
- JDBC Connection URL for RAC or Non-RAC database
- The HOSTNAME or IP of the server on which OFSAA is being installed.
- It is recommended to set the PGA_AGGREGATE_LIMIT database-parameter value sufficiently when Oracle 18c or 19c is installed.
- You must add a TNS entry before the installation.

6.3.2 Configure the Schema Creator Utility for RDBMS Installation

If the installation is being performed for RDBMS, provide the Pack-specific schema details in the `OFS_OIP_SCHEMA_IN.xml` file.

You can configure the following types of schemas:

- **CONFIG:** This schema holds the entities and other objects required for OFSAA setup configuration information. Only one CONFIG schema per OFSAA instance is permitted.
- **ATOMIC:** This schema holds the data model entities. One ATOMIC schema is attached to one Information Domain. You can have multiple ATOMIC schemas for a single OFSAA instance.

6.3.2.1 Configure the OFS_OIP_SCHEMA_IN.xml File

This section describes how to create database schemas, objects within schemas, and assign appropriate grants.

Specify the database schemas required for the installation in the `OFS_OIP_SCHEMA_IN.xml` file. Update the values of the various tags and parameters available in this file before executing the schema creator utility.

This file must be configured only if the database is RDBMS.

To configure the `OFS_OIP_SCHEMA_IN.xml` file, follow these steps:

1. Log in to the system as a non-root user.
2. Navigate to the `OFS_OIP_PACK/schema_creator/conf` directory.
3. Edit the `OFS_OIP_SCHEMA_IN.xml` file using a text editor.

Figure 7: Sample OFS_OIP_SCHEMA_IN.xml File

```

1 <APPPACKSCHEMA>
2   <APP_PACK_ID>OFS_OIP_PACK</APP_PACK_ID>
3   <IS_TCPS>TRUE</IS_TCPS>
4   <JDBC_URL>jdbc:oracle:thin:@</JDBC_URL>
5   <JDBC_DRIVER>oracle.jdbc.driver.OracleDriver</JDBC_DRIVER>
6   <HOST>wh0000uk</HOST>
7   <SEQUENCE_NAME>DEF PREFIX_SCHEMA_NAME="N" />
8   <PASSWORD APPLYSAMEFORALL="Y" DEFAULT="" />
9   <!--
10  <ADV_SEC_OPTIONS>
11    <OPTION NAME="TDE" VALUE="TRUE"/>
12    <OPTION NAME="DATA_REDACT" VALUE="TRUE" />
13  </ADV_SEC_OPTIONS>
14  <TABLESPACES>
15    <TABLESPACE NAME="OFS_AAI_TBSF1" VALUE="TBS_USERS_1" DATAFILE="/scratch/oral2c/app/oracle/oradata/ENCDB/datafile/tbs_users1.dbf"
16      SIZE="500M" AUTOEXTEND="OFF" ENCRYPT="ON" />
17    <TABLESPACE NAME="OFS_AAI_TBSF2" VALUE="TBS_USERS_2" DATAFILE="/scratch/oral2c/app/oracle/oradata/ENCDB/datafile/tbs_users2.dbf"
18      SIZE="500M" AUTOEXTEND="OFF" ENCRYPT="OFF" />
19  </TABLESPACES>
20  -->
21  <SCHEMAS>
22    <SCHEMA TYPE="CONFIG" NAME="oipwld5enf" PASSWORD="" APP_ID="OFS_AAI" DEFAULTTABLESPACE="USERS" TEMPORARYTABLESPACE="TEMP" INFODOM="FICMASTER" QUOTA="UNLIMITED" />
23    <SCHEMA TYPE="ATOMIC" NAME="oipwld5at" PASSWORD="" APP_ID="OFS_OIP" APP_GRP="1" DEFAULTTABLESPACE="USERS" TEMPORARYTABLESPACE="TEMP" INFODOM="OIPINFODOM" QUOTA="UNLIMITED" />
24  </SCHEMAS>
25 </APPPACKSCHEMA>

```

4. Configure the values as mentioned in the following table and save the file.

NOTE

On successful execution of the utility, the passwords entered in the `OFS_OIP_SCHEMA_IN.xml` file are nullified.

Table 21: OFS_OIP_SCHEMA_IN.xml file Parameters

Tag Name/Attribute Name	Description	Mandatory (Y/ N)	Default Value/ Permissible Value	Comments
<APP_PACK_ID>	Seeded unique ID for the OFSSAA Application Pack	Y	OFS_OIP_PACK	Do not modify this value.
<IS_TCPS>	Enter if the TCPS configuration is required.	Y	Seeded, with FALSE as the default value.	Modify this to TRUE if you require the installer to uptake the configuration.
<JDBC_URL>	<p>Enter the JDBC URL.</p> <p>NOTE:</p> <p>You can enter the following JDBC URL types:</p> <ol style="list-style-type: none"> 3. RAC/ NON-RAC enabled database connectivity URL. 4. TCPS RAC/ NON-RAC enabled database connectivity URL provided the <IS_TCPS> tag value is TRUE. 5. Wallet-enabled JDBC URL. 	Y	<p>Example:</p> <p>jdbc:oracle:thin:@< DBSERVER IP/ HOST/ IP>:<PORT>:<SID></p> <p>or</p> <p>jdbc:oracle:thin:@//[HOS T][:PORT]/ SERVICE</p> <p>or</p> <p>jdbc:oracle:thin:@(DESCR IPTION=(ADDRESS_ LIST=(ADDRESS=(PROT OCOL=TCP)(HOST=[HO ST]))(port=[PORT]))(ADD RESS=(PROTOCOL=TCP) (HOST=[HOST]))(PORT=[PORT]))(LOAD_ BALANCE=yes)(FAILOV ER=yes))(CONNECT_ DATA=(SERVICE_ NAME=[SERVICE])))</p> <p>For example:</p> <p>jdbc:oracle:thin:@//dbhos t.server.com:1521/service 1</p> <p>or</p> <p>jdbc:oracle:thin:@//dbsho st.server.com:1521/scan-1</p> <p>or</p> <p>jdbc:oracle:thin:@(DESCR IPTION=(ADDRESS_ LIST=(ADDRESS=(PROT OCOL=TCP)(HOST=dbhost1.server.com)</p>	<p>Ensure to add an entry (with SID/ SERVICE NAME) in the <code>tnsnames.ora</code> file on the OFSAA server. The entry must match with the SID/ SERVICE NAME used in the JDBC URL.</p> <p>Ensure that you have configured:</p> <ol style="list-style-type: none"> 6. The correct Oracle Wallet with the credentials for stored Sys, Config, and Atomic Users. 7. The JDBC URL as follows: <pre>jdbc:oracle:thin:/@</pre> <p>For more information on how to configure Oracle Wallets for OFSAA Installation and Data Sources, see the OFS Analytical Applications Infrastructure Administration Guide.</p>

Tag Name/Attribute Name	Description	Mandatory (Y/ N)	Default Value/ Permissible Value	Comments
			(port=1521))(ADDRESS=(PROTOCOL=TCP)(HOST=dbhost2.s erver.com)(PORT=1521))(LOAD_BALANCE=yes)(FAILOVER=yes))(CONNECT_DATA=(SERVICE_NAME=service1))) or <JDBC_URL>jdbc:oracle:thin:@(DESCRIPTION = (ADDRESS = (PROTOCOL = TCPS)(HOST = dbhost.server.com)(PORT = 2484))(CONNECT_DATA =(SERVER = DEDICATED)(SERVICE_NAME=SERVICEID))(security=(ssl_server_cert_dn=CN=dbhost))) or jdbc:oracle:thin:/@	
<JDBC_DRIVER>	This driver's name is seeded by default.	Y	Example: oracle.jdbc.driver.OracleDriver	Only JDBC Thin Driver is supported. Do not modify this value.
<HOST>	Enter the Hostname/ IP Address of the system on which you are installing the OFSAA components.	Y	Hostname/ IP Address	
<SETUPINFO>/PREFIX_SCHEMA_NAME	Identifies whether the value specified in <SETUPINFO>/NAME attribute must be prefixed to the schema name.	N	YES or NO	The default value is YES.

Tag Name/Attribute Name	Description	Mandatory (Y/ N)	Default Value/ Permissible Value	Comments
<SETUPINFO>/NAME	Enter the acronym for the type of implementation. This information is displayed on the OFSAA Home Page. On executing the schema creator utility, this value is prefixed with each schema name. For example: dev_ofsaaconf, uat_ofsaatm.	Y	Seeded, with REG PREFIX_SCHEMA_NAME="N" as the default value. Accepts strings with a minimum length of two and a maximum of four. Example: DEV, SIT, PROD	This name appears on the OFSAA Landing Page as "Connected To: xxxx". The schemas that are created get this prefix. For example, dev_ofsaaconf, uat_ofsaaconf, and so on.
<PASSWORD>/ DEFAULT*	Enter the password if you want to set a default password for all schemas. You also must set the APPLYSAME-FORALL attribute as Y to apply the default password for all the schemas.	N	Seeded, with oracle123 as the default value. The maximum length allowed is 30 characters. Special characters are not allowed.	On successful execution of the utility, the entered password in the OFS_<APP PACK>_SCHEMA_IN.xml file is cleared.
<PASSWORD>/ APPLYSAMEFORALL	If you have entered Y in APPLYSAME-FORALL attribute and also have specified individual passwords for all the schemas, then the specified individual passwords will take precedence.	Y	Default N Permissible: Y or N. Enter Y if you want to apply the password specified in the DEFAULT attribute for all the schemas. If you enter as N, you must provide individual passwords for all schemas.	Setting this attribute value is mandatory if the DEFAULT attribute is set.

Tag Name/Attribute Name	Description	Mandatory (Y/ N)	Default Value/ Permissible Value	Comments
<SCHEMA>/TYPE	The different types of schemas that are supported in this release are ATOMIC and CONFIG. By default, the schemas types are seeded based on the Application Pack.	Y	ATOMIC/CONFIG	Only One CONFIG schema can exist in the file. Do not edit this attribute value. This schema identifies as the CONFIGURATION schema that holds the OFSAA setup details and other Metadata information. Multiple ATOMIC schemas can exist in the file.
<SCHEMA>/NAME	The schemas' names are seeded based on the Application Pack by default. You can edit the schema names if required. The Schema Name will have a prefix of the SETUPINFO/ NAME attribute.	Y	Seeded, with OFSCONFIG as the default value. The permissible length is 15 characters and only alphanumeric characters are allowed. No special characters are allowed except underscore '_'. .	SETUPOINFO/NAME attribute value is prefixed to the schema name being created. For example, if a name is set as 'ofsaatm' and setupinfo as 'uat', then the schema being created is 'uat_ofsaatm'.
<SCHEMA>/PASSWORD	Enter the password of the schema to be created. If this attribute is left blank, then the password specified in the <PASSWORD>/DEFAULT attribute is applied as the Schema Password.	N	The maximum length allowed is 30 characters. Special characters are not allowed.	It is mandatory to enter the password if you have set the <PASSWORD>/APPLYSAMEFORALL attribute as N.
<SCHEMA>/APP_ID	The Application ID is seeded based on the Application Pack by default.	Y	Unique seeded values are: OFS_AAI OFS_OIP	Identifies the Application/ Product for which the schema is being created. Do not edit this attribute value. Do not modify this value.

Tag Name/Attribute Name	Description	Mandatory (Y/ N)	Default Value/ Permissible Value	Comments
<SCHEMA>/DEFAULTTABLESPACE	Enter the available default tablespace for DB User. If this attribute is left blank, then USERS is set as the default tablespace.	N	Seeded, with USERS as the default value. Permissible Any existing valid tablespace name.	Modify this value to associate any valid tablespace with the schema.
<SCHEMA>/TEMPTABLESPACE	Enter the available temporary tablespace for DB User. If this attribute is left blank, TEMP is set as the default tablespace.	N	Seeded, with TEMP as the default value. Permissible Any existing valid temporary tablespace name.	Modify this value to associate any valid tablespace with the schema.
<SCHEMA>/QUOTA	Enter the quota to be set on the DEFAULTTABLESPACE attribute for the schema/ user. Minimum: 500M or Unlimited on default Tablespace.	N	Permissible values are a minimum of 500M or UNLIMITED as the default value. Example: 600M/m 20G/g UNLIMITED/unlimited	Modify this value to grant the specified quota on the mentioned tablespace to the user.
<SCHEMA>/ INFODOM	Enter the name of the Information Domain to associate this schema. The schema creator utility automatically derives an Information Domain Name based on the Application Pack if no value is specified for this attribute.	N	Seeded, with OFSINFDOM as the default value. Permissible length is 16 characters and only alphanumeric characters are allowed. No special characters are allowed.	

Tag Name/Attribute Name	Description	Mandatory (Y/ N)	Default Value/ Permissible Value	Comments
<ADV_SEC_OPTIONS>/	Parent tag to hold Advance Security Options.	N		Uncomment the tag and edit if you want to add security options. For example, TDE and Data Redact. For details, see the example in the comments for the <TABLESPACE>/ENCRYPT tag.
<ADV_SEC_OPTIONS>/TDE	Tag to enable/disable TDE.	N	The default is FALSE. To enable TDE, set this to TRUE.	Ensure this tag is not commented if you have uncommented <ADV_SEC_OPTIONS>
<ADV_SEC_OPTIONS>/DATA_REDACT	Tag to enable/disable the Data Redaction feature.	N	The default is FALSE. To enable DATA_REDACT, set this to TRUE	Ensure this tag is not commented if you have uncommented<ADV_SEC_OPTIONS>
<TABLESPACES>	Parent tag to hold <TABLESPACE> elements	N	NA	Uncomment the tag and edit. ONLY if tablespaces are to be created as part of the installation. For details, see the example following the table. When TDE is TRUE in ADV_SEC_OPTIONS, then the <TABLESPACES> tag must be present in the XML file.
<TABLESPACE>/NAME	Logical Name of the tablespace to be created.	Y		Name, if specified, must be referred in the <SCHEMA DEFAULTTABLESPACE= "###NAME###"> attribute. Note the ## syntax.
<TABLESPACE>/VALUE	Physical Name of the tablespace to be created.	Y	NA	Value, if specified, is the actual name of the TABLESPACE.
<TABLESPACE>/DATAFILE	Specifies the location of the data file on the server.	Y	NA	Enter the absolute path of the file to be created.
<TABLESPACE>/AUTOEXTEND	Specifies if the tablespace must be extensible or have a hard limit.	Y	ON or OFF	Set to ON to ensure that the tablespace does not run out of space when full.

Tag Name/Attribute Name	Description	Mandatory (Y/ N)	Default Value/ Permissible Value	Comments
<TABLESPACE>/ENCRYPT	Specifies if the tablespace(s) must be encrypted using TDE	Y	ON or OFF	<p>Set to ON to ensure that the tablespaces when created are encrypted using TDE.</p> <p>NOTE: Encryption of tablespaces requires enabling Transparent Data Encryption (TDE) on the Database Server.</p> <p>Example: The following snippet shows that TDE is enabled and hence the tablespace is shown with encryption ON.</p> <pre> <ADV_SEC_OPTIONS> <OPTION NAME="TDE" VALUE="FALSE" /> <OPTION NAME="DATA_REDACT" VALUE="FALSE" /> </ADV_SEC_OPTIONS> <TABLESPACES> <TABLESPACE NAME="OFS_AAI_TBSP_1" VALUE="TS_USERS1" DATAFILE="/ scratch/ora19c/app/oracle/orada ta/OFSPQA19cDB/ts_users1.dbf" SIZE="500M" AUTOEXTEND="ON" ENCRYPT="ON" /> <TABLESPACE NAME="OFS_AAI_TBSP_2" VALUE="TS_USERS2" DATAFILE="/ scratch/ora19c/app/oracle/orada ta/OFSPQA19cDB/ts_users2.dbf" SIZE="500M" AUTOEXTEND="ON" ENCRYPT="ON" /> </TABLESPACES> <SCHEMAS> <SCHEMA TYPE="CONFIG" NAME="ofsaaconf" PASSWORD="" APP_ID="OFS_AAI" </pre>

Tag Name/Attribute Name	Description	Mandatory (Y/ N)	Default Value/ Permissible Value	Comments
				<pre> DEFAULTTABLESPACE="##OFS_AAI_TB SP_1##" TEMPTABLESPACE="TEMP" QUOTA="unlimited"/> <SCHEMA TYPE="ATOMIC" NAME="ofsaaatm" PASSWORD="" APP_ID="OFS_AAAI" DEFAULTTABLESPACE="##OFS_AAI_TB SP_2##" TEMPTABLESPACE="TEMP" QUOTA="unlimited" INFODOM="OFSAAAIINFO"/> </SCHEMAS> </pre>

6.4 Execute the Schema Creator Utility

Depending on the option selected, select the appropriate schema creator utility execution option.

- [Execute the Schema Creator Utility in Offline Mode](#)
- [Execute the Schema Creator Utility in Online Mode](#)
- [Execute the Schema Creator Utility in TCPS Mode](#)
- [Execute the Schema Creator Utility while Installing Subsequent Applications Pack](#)

After creating the schema, proceed to [Configure the OFSAAI InstallConfig.xml File](#).

6.4.1 Execute the Schema Creator Utility in Offline Mode

In the Offline mode, the utility generates an SQL script with all the required DDLs for Users, Objects, and Grants. This script must be executed by the DBA on the appropriate database identified for OFSAA usage. If you do not have the SYSDBA privileges, you can execute the Schema Creator Utility in Offline mode and generate the script file that contains the Schemas, Objects, and Grants information. Subsequently, an SYSDBA user can execute the script file manually. To run the OFSAA Application Pack installer in Silent mode, it is mandatory to execute the schema creator utility with the -s option.

To execute the utility in Offline mode, you must have a database user with the following GRANTS (alternatively, you can also connect as a user with SYSDBA privileges):

- SELECT ON DBA_ROLES
- SELECT ON DBA_USERS
- SELECT ON DBA_DIRECTORIES
- SELECT ON DBA_TABLESPACES
- CREATE SESSION

NOTE

Explicit Grants to the user are required. Grants assigned through Roles are not supported.

To execute the schema creator utility in the offline mode, follow these steps:

1. Log in to the system as a non-root user.
2. Navigate to the following path: `OFS_OIP_PACK/schema_creator/bin`.
3. Execute the `osc.sh` file using the following command:

```
./osc.sh -s -o
```

The following message is displayed:

You have chosen OFFLINE mode. Triggering the utility in OFFLINE mode will generate the script. Do you wish to proceed? (Y/y or N/n).

4. Enter `y` to proceed.
5. Enter the DB Username with SELECT privileges.

6. Enter the User Password.
7. The console runs the initial validation checks and displays the following message:
You have chosen to install this Application Pack on <Name of the Atomic Schema> ATOMIC schema. Do you want to proceed? (Y or N).
8. Enter **Y** to start the script generation. The following message is displayed:
You have chosen to install this Application Pack on <Name of the Infodomain>. Do you want to proceed? (Y or N).

On successful execution of the schema creator utility, the console displays the following status message:

Schema Creator executed successfully. Please execute
scratch/ofsaapp/OFS_OIP_PACK/schema_creator/sysdba_output_scripts.sql before proceeding with the installation.

NOTE

Check the log files in the path
OFS_OIP_PACK/schema_creator/logs. If there are any errors during the SQL script execution, reconfigure the
OFS_OIP_SCHEMA_IN.xml, and repeat steps in this procedure to execute the utility. This regenerates the scripts with the correct information.

9. Navigate to the OFS_OIP_PACK/schema_creator directory.
10. Log in to SQLPLUS as a user having SYSDBA Privileges.
11. Execute the sysdba_output_scripts.sql file using the following command:

```
SQL>@sysdba_output_scripts.sql
```


Alternatively, you can copy the sysdba_output_scripts.sql file and SQLScripts directory to a remote server and execute the sysdba_output_scripts.sql file, after providing appropriate execute permissions.
12. Make a TNS entry for the new users created. For details, see [Add the TNS entries in TNSNAMES.ORA file](#) section.

NOTE

See the sysdba_output_scripts.log file for execution status. If there are any errors, contact [My Oracle Support](#). If there are no errors in the execution, the log file is empty.

As a result of this task, the OFS_OIP_SCHEMA_OUTPUT.XML file is generated. Do not modify this file.

After creating the schema, proceed to [Configure the OFSAI InstallConfig.xml File](#) section.

6.4.2 Execute the Schema Creator Utility in Online Mode

In Online mode, the utility connects to the database and executes the DDLs for Users, Objects, and Grants. If you have SYSDBA privileges you can execute the Schema Creator

Utility in Online mode and thereby create the Users, Objects, and Grants during the execution process. To execute the utility in the Online mode, you must connect as <User> AS SYSDBA.

If you want to run the OFSAA Application Pack Installer in Online mode, it is mandatory to execute the schema creator utility with the -s option.

To execute the utility with the -s option in online mode, follow these steps:

1. Edit the file `OFS_OIP_PACK/schema_creator/conf/OFS_OIP_SCHEMA_IN.xml` in a text editor. See [Configure the OFS_OIP_SCHEMA_IN.xml File](#) section for values to modify in the XML file.
2. Execute the utility with -s option. For Example: `./osc.sh -s`
3. Make a TNS entry for the new users created. For details, see [Add the TNS entries in TNSNAMES.ORA file](#).

The following message is displayed:

You have chosen ONLINE mode. Triggering the utility in ONLINE mode will execute the DDLs directly on the Database. Do you wish to proceed? (Y/y or N/n).

4. Enter `Y` to proceed.

The following message is displayed:

You have chosen to install this application pack on INFODOM "<INFODOM_NAME>". Do you wish to proceed? (Y/y or N/n).

5. Enter `Y` to proceed.
6. After Schema creation is successful, proceed to [Configure the OFSAAI InstallConfig.xml File](#).

As a result of this task is the `OFS_OIP_SCHEMA_OUTPUT.XML` file is generated. Do not modify this file.

6.4.3 Execute the Schema Creator Utility in TCPS Mode

If you intend to run the OFS Insurance Accounting Application Pack Installer in TCPS mode, it is mandatory to execute the schema creator utility with the -s option and in online mode.

Prerequisite:

Configure the Oracle Wallet with trusted certificates between the DB Server with TCPS configured and the DBClient to enable communication through the SSL protocol.

NOTE

You can also use Oracle Wallet to support OFSAA for storing Config and Atomic Schema credentials. To add OFSAA Config and Atomic Schema credentials to Oracle Wallet, see the [OFS Analytical Applications Infrastructure Administration Guide](#).

For example, all the database utilities such as `sqlplus`, `tnsping`, and `sqlldr` must work between the Client and the Server.

To execute the utility, follow these steps:

1. Edit the file `OFS_OIP_PACK/schema_creator/conf/OFS_OIP_SCHEMA_IN.xml` in the text editor. See the tables in the [Configure the OFS_OIP_SCHEMA_IN.xml File](#) section for values to modify in the XML file.
2. Execute the utility with `-s` option.

```
./osc.sh -s TCPS <WALLET_HOME>
```

For example: `$./osc.sh -s TCPS /scratch/oraofss/wallet`

Figure 8: Schema Creation in the TCPS Mode

```
/scratch/aa181ssl>cd /scratch/aa181ssl/OFS_AAAI_PACK/schema_creator/bin
/scratch/aa181ssl/OFS_AAAI_PACK/schema_creator/bin>./osc.sh TCPS /scratch/aa181ssl/wallet
Error: - Please provide proper arguments
/scratch/aa181ssl/OFS_AAAI_PACK/schema_creator/bin>./osc.sh -s TCPS /scratch/aa181ssl/wallet
-s
TCPS
/scratch/aa181ssl/wallet
-Doracle.net.tns_admin=/scratch/aa181ssl -Doracle.net.wallet_location=(SOURCE=(METHOD=file) (METHOD_DATA=(DIRECTORY=/scratch/aa181ssl/wallet))) -Doracle.net.ssl_server_dn_match=true -Djavax.net.ssl.trustStoreType=SSO -Djavax.net.ssl.trustStore=
wallet.sso -Doracle.net.ssl_version=1.2
exporting wallet FALSE
##Entries created by schema creator ##
=====
You have chosen ONLINE mode
=====
Triggering the utility in ONLINE mode will execute the DDLs directly on the Database. Do you wish to proceed? (Y/N):
Y
```

3. The following message is displayed:
Triggering the utility in ONLINE mode will execute the DDLs directly on the Database. Do you wish to proceed? (Y/y or N/n).
4. Enter `Y` to proceed.
5. The following message is displayed:
You have chosen to install this application pack on "<ATOMIC_SCHEMA_NAME>" ATOMIC schema. Do you wish to proceed? (Y/y or N/n).

Figure 9: Schema Creation in the TCPS Mode – Install on Atomic Schema

```
0430: 58 8D 05 B2 02 0F 2D 01 0C 00 00 00 00 00 04 X.....
0440: 01 01 02 23 E4 00 02 05 7B 00 00 01 0C 01 0E 03 ...#.....
0450: 00 00 00 00 00 00 00 00 00 00 00 00 10 00 01 01 .....
0460: 00 00 00 00 02 05 7B 00 19 4F 52 41 2D 30 31 34 .....ORA-014
0470: 30 33 3A 20 6E 6F 20 64 61 74 61 20 66 6F 75 6E 03: no data foun
0480: 64 0A 61 1D D5 6D 51 10 60 C1 A6 85 B4 88 52 0F d.a..mq..R.
0490: A4 F8 CA 1B 2C F2 09 09 09 09 09 09 09 09 09 09 .....
You have chosen to install this Application Pack on "t8ls_ofsaaatm" ATOMIC schema. Do you want to proceed? (Y/N)
Y
```

6. Enter `Y` to proceed.

Figure 10: Schema Creation in the TCPS Mode

```
0030: 05 02 24 2C 00 00 00 00 01 10 00 2B 00 00 00 00 ..$.++++....
0040: 00 00 00 00 00 00 00 00 58 00 01 01 00 00 00 00 .....X.....
0050: 00 00 EE 63 D9 C7 F0 3C A2 23 E1 34 68 01 68 96 ...c...<#.4h.h.
0060: 4F 69 FD 59 9F 23 09 09 09 09 09 09 09 09 09 Oi.Y.#.....
Grants creation scripts execution completed...
=====
Schemas Creation Completed
=====
Schema Creator executed Successfully.Please proceed with the installation.
/scratch/aa181ssl/OFS_AAAI_PACK/schema_creator/bin>
```

The result of this task is that the `OFS_OIP_SCHEMA_OUTPUT.XML` file is generated. Do not modify this file.

7. After Schema creation is successful, proceed to [Configure the OFSAAI InstallConfig.xml File](#) section.

6.4.4 Execute the Schema Creator Utility while Installing Subsequent Applications Pack

When executing the schema creator utility during the installation of a subsequent Applications Pack, you can choose to install the pack either on the same Information Domain and the same Atomic Schema of the existing application pack or on a new Information Domain and the same Atomic Schema of the existing application pack. You can execute the schema creator utility either in Online or Offline mode.

The following is an example of executing the schema creator utility while installing Oracle Insurance Planner over an existing Application Pack in an offline mode:

1. Edit the file `OFS_OIP_PACK/schema_creator/conf/OFS_OIP_SCHEMA_IN.xml` in a text editor. See the [Configure the OFS_OIP_SCHEMA_IN.xml File](#) section for values you must modify in the XML file.
2. Execute the utility with `-s` option. For Example: `./osc.sh -s -o`

After successful schema creation, execute the `sysdba_output_scripts.sql` file

NOTE

You must use the same config schema user name as the previous application pack.

3. The utility identifies the application packs that are already installed on the current OFSAA setup and displays the following on the console:
 - Atomic schema of the existing application pack
 - Information Domain Name of the existing pack
 - List of installed application packs
4. Enter Y or y to start the schema creation.
5. If you enter N or n, the list of Atomic Users is displayed.
6. Select the Atomic User on which you want to install the application pack.
7. Make a TNS entry for the new users created. For details, see [Add the TNS entries in TNSNAMES.ORA file](#) section.

On successful execution of schema creator utility, the console displays the following status message:

Success. Please proceed with the installation.

NOTE

1. See the log file in the `OFS_OIP_PACK/schema_creator/logs` directory for the execution status.
2. See the log file `sysdba_output_scripts.log` for the execution status if executed in offline mode. The log will be empty if there are no errors in the execution.
3. If there are any errors, contact [My Oracle Support](#).

6.5 Configure the OFSAAI_InstallConfig.xml File

To configure the `OFS_InstallConfig.xml` file, follow these steps:

1. Navigate to the `OFS_OIP_PACK/OFS_AAI/conf/` directory.
2. Open the `OFSAAI_InstallConfig.xml` file in a text editor.
3. Configure the `OFSAAI_InstallConfig.xml` file as mentioned in the following table.

You must manually set the `InteractionVariable` parameter values as mentioned in the table. If a value is not applicable, enter NA. Ensure that the value is not entered as NULL.

Table 22: OFSAAI_InstallConfig.xml file Parameters

InteractionVariable Name	Significance and Expected Value	Mandatory
<Layer name="GENERAL">		
InteractionGroup name="WebServerType"		
WEBAPPSERVERTYPE	<p>Identifies the web application server on which the OFSAA Infrastructure web components are deployed.</p> <p>Set the following numeric value depending on the type of web application server:</p> <ul style="list-style-type: none"> • Apache Tomcat = 1 • IBM WebSphere Application Server = 2 • Oracle WebLogic Server = 3 <p>For example, <code><InteractionVariable name="WEBAPPSERVERTYPE">3</InteractionVariable></code></p>	Yes
InteractionGroup name="OFSAA Infrastructure Server Details"		
DBSERVER_IP	<p>Identifies the hostname or IP address of the system on which the Database Engine is hosted.</p> <p>NOTE: For RAC Database, the value must be NA. For example, <code><InteractionVariable name="DBSERVER_IP">14.15.16.17</InteractionVariable></code> or <code><InteractionVariable name="DBSERVER_IP">dbhost.server.com</InteractionVariable></code></p>	Yes

InteractionVariable Name	Significance and Expected Value	Mandatory
InteractionGroup name="Database Details"		
ORACLE_SID/SERVICE_NAME	Identifies the Oracle DB Instance SID or SERVICE_NAME Note: The Oracle_SID value must be the same as it is mentioned in JDBC_URL. For example, <InteractionVariable name="ORACLE_SID/SERVICE_NAME">ofsaser</InteractionVariable>	Yes
ABS_DRIVER_PATH	Identifies the directory where the JDBC driver (ojdbc<version>.jar) exists. This is typically the \$ORACLE_HOME/jdbc/lib directory. For example, <InteractionVariable name="ABS_DRIVER_PATH">>/oradata6/revwb7/ oracle</InteractionVariable> NOTE: See Hardware and Software Requirements to identify the correct ojdbc<version>.jar file version to be copied.	Yes
InteractionGroup name="OLAP Detail"		
OLAP_SERVER_IMPLEMENTATION	Identifies whether the OFSAA Infrastructure OLAP component must be configured. It depends on whether you intend to use the OLAP feature. The following numeric value must be set depending on the choice: <ul style="list-style-type: none"> • YES: 1 • NO: 0 NOTE: If the value for OLAP_SERVER_IMPLEMENTATION is set to 1, the installer checks if the following environment variables are set in the .profile file: <ul style="list-style-type: none"> • ARBORPATH • HYPERION_HOME • ESSBASEPATH 	No
InteractionGroup name="SFTP Details"		
SFTP_ENABLE	Identifies if the SFTP (Secure File Transfer Protocol) feature is to be enabled. The following numeric value must be set depending on the choice: <ul style="list-style-type: none"> • SFTP: 1 • FTP: 0 	Yes
NOTE: The default value for SFTP_ENABLE is 1 , which signifies that SFTP is used. Oracle recommends using SFTP instead of FTP because SFTP is more secure. However, you can ignore this recommendation and use FTP by setting SFTP_ENABLE to 0 . You can change this selection later from the OFSAAI administration interface. Set SFTP_ENABLE to -1 to configure ftpshare and weblocal path as a local path mounted for the OFSAAI server.		
FILE_TRANSFER_PORT	Identifies the port used for the file transfer service. The default value specified is 22 (SFTP). Specify the value like 21 or any other PORT value if the value for SFTP_ENABLE is 0 . For example, <InteractionVariable name="FILE_TRANSFER_PORT">21</InteractionVariable>	Yes
InteractionGroup name="Locale Detail"		

InteractionVariable Name	Significance and Expected Value	Mandatory
LOCALE	Identifies the locale information to be used during the installation. This release of the OFSAA Infrastructure supports only US English. For example, <code><InteractionVariable name="LOCALE">en_US</InteractionVariable></code>	Yes
InteractionGroup name="OFSAA Infrastructure Communicating ports" NOTE: The following ports are used internally by the various OFSAA Infrastructure services. The default values mentioned are set in the installation. If you intend to specify a different value, update the parameter value accordingly, ensure that the port value is in the range 1025 to 65535, and the respective port is enabled.		
JAVAPORT	9999	Yes
NATIVEPORT	6666	Yes
AGENTPORT	6510	Yes
ICCPORT	6507	Yes
ICCNATIVEPORT	6509	Yes
OLAPPORT	10101	Yes
MSGPORT	6501	Yes
ROUTERPORT	6500	Yes
AMPORT	6505	Yes
InteractionGroup name="Web Details" NOTE: If the value for <code>HTTPS_ENABLE</code> is set to 1 , ensure that you have a valid certificate available from a trusted CA and it is configured on your web application server.		
HTTPS_ENABLE	Identifies whether the UI must be accessed using HTTP or HTTPS scheme. The default value is set to 0 . The numeric value must be set depending on the following options: <ul style="list-style-type: none"> • YES: 1 • NO: 0 For example, <code><InteractionVariable name="HTTPS_ENABLE">0</InteractionVariable></code>	Yes
WEB_SERVER_IP	Identifies the HTTP Server IP/ Hostname or Web application server IP/ Hostname, to be used to access the UI. This IP is typically the HTTP Server IP. If a separate HTTP Server is not available, then the value must be Web application server IP/Hostname. For example, <code><InteractionVariable name="WEB_SERVER_IP">10.11.12.13</InteractionVariable></code> or <code><InteractionVariable name="WEB_SERVER_IP">myweb.server.com</InteractionVariable></code>	Yes
WEB_SERVER_PORT	<ul style="list-style-type: none"> • Identifies the Web Server Port, which is typically 80 for non-SSL if the <code>HTTPS_ENABLE</code> variable is 0 and 443 for SSL if the <code>HTTPS_ENABLE</code> variable is 1. If a separate HTTP Server exists, the port value must be the value configured for the Web Server. For example, <code><InteractionVariable name="WEB_SERVER_PORT">80</InteractionVariable></code>	No

InteractionVariable Name	Significance and Expected Value	Mandatory
CONTEXT_NAME	<p>Identifies the web application context name which is used to build the URL to access the OFSAA application. You can identify the context name from the following URL format:</p> <pre><scheme>://<host>:<port>/<context-name>/login.jsp</pre> <p>The following is an example:</p> <pre>https://myweb:443/ofsaadev/login.jsp</pre> <p>For example, <InteractionVariable name="CONTEXT_NAME">ofsaadev</InteractionVariable></p>	Yes
WEBAPP_CONTEXT_PATH	<p>Identifies the absolute path of the exploded EAR file on the web application server.</p> <ul style="list-style-type: none"> For Tomcat, specify the Tomcat directory path till /webapps. For example, /oradata6/ revwb7/tomcat/webapps/. For WebSphere, specify the WebSphere path as <WebSphere profile directory>/installedApps/<NodeCellName>. For example, /data2/test//WebSphere/AppServer/profiles/<Profile_Name>/installedApps/aiximfNode01Cell, where aix-imf is the Hostname. For WebLogic, specify the WebLogic home directory path. For example, /<WebLogic home directory path>/bea/wlserver_10.3 	Yes
WEB_LOCAL_PATH	<p>Identifies the absolute path to any directory on the web application server that can hold temporary files, which are uploaded as part of the usage of the application.</p> <p>Set this in the FTPSHARE location.</p> <p>NOTE: During a clustered deployment, ensure that this path and the directory are the same on all the nodes.</p>	Yes
InteractionGroup name="Weblogic Setup Details"		
WEBLOGIC_DOMAIN_HOME	<p>Identifies the WebLogic Domain Home.</p> <p>For example, <InteractionVariable name="WEBLOGIC_DOMAIN_HOME">/home/weblogic/bea/user_projects/domains/mydomain</InteractionVariable></p>	Yes. Specify the value only if WEBAPPSERVERTYPE is set as 3 (WebLogic)
InteractionGroup name="OFSAAI FTP Details"		
OFSAAI_FTPSHARE_PATH	<p>Identifies the absolute path of the directory that is identified as the file system stage area.</p> <p>NOTE: The directory must exist on the same system on which the OFSAA Infrastructure is being installed (can be on a separate mount). The user mentioned in this parameter in the following example must have Read, Write, and Execute (RWX) permission on the directory.</p> <p>For example, <InteractionVariable name="OFSAAI_FTPSHARE_PATH">"/oradata6/revwb7/ftpshare</InteractionVariable></p>	Yes

InteractionVariable Name	Significance and Expected Value	Mandatory
OFSAAI_SFTP_USER_ID	The user mentioned in this parameter must have Read, Write, and Execute (RWX) permission on the directory.	Yes
OFSAAI_SFTP_PRIVATE_KEY	<p>Identifies the SFTP private key for OFSAAI.</p> <p>For example,</p> <pre><InteractionVariable name="OFSAAI_SFTP_PRIVATE_KEY">/home/ofsaapp/.ssh /id_rsa</InteractionVariable></pre> <p>By default, the value is NA, which indicates that, for authentication, you are prompted to enter the password for the user <OFSAAI_SFTP_USER_ID>.</p> <p>For more information on how to generate an SFTP Private key, see the Set Up SFTP Private Key section.</p>	No
OFSAAI_SFTP_PASSPHRASE	<p>Identifies the passphrase for the SFTP private key for OFSAAI.</p> <p>For example,</p> <pre>InteractionVariable name="OFSAAI_SFTP_PASSPHRASE">enter a pass phrase here</InteractionVariable></pre> <p>By default, the value is NA.</p> <p>If the OFSAAI_SFTP_PRIVATE_KEY value is given and the OFSAAI_SFTP_PASSPHRASE value is NA, then the passphrase is identified as empty.</p>	No

6.5.1 Set Up the SFTP Private Key

Log in to OFSAA UNIX user using the Putty tool, where you plan for installation and generate a pair of authentication keys using the `ssh-keygen` command. If required, set a passphrase. Otherwise, the OFSAAI_SFTP_PASSPHRASE tag must be set to NA.

To generate a private key, enter the commands as shown:

```
ssh-keygen -t rsa
Generating public/private rsa key pair.
Enter file in which to save the key
(/home/ofsaapp/.ssh/id_rsa):
Created directory '/home/ofsaapp/.ssh'.
Enter passphrase (empty for no passphrase):
Enter the same passphrase again:
Your identification has been saved in
/home/ofsaapp/.ssh/id_rsa.
Your public key has been saved in
/home/ofsaapp/.ssh/id_rsa.pub.
The key fingerprint is:
3e:4f:05:79:3a:9f:96:7c:3b:ad:e9:58:37:bc:37:e4
ofsaapp@OFSASERVER:~> cat /home/ofsaapp/.ssh/id_rsa.pub >>
/home/ofsaapp/.ssh/authorized_keys
```


Ensure the following permissions exist for the given directories:

- permissions of .ssh must be 700
- permissions of .ssh/authorized_keys must be 640
- permission of .ssh/id_rsa must be 400
- Permission of UNIX User created must be 755

6.6 Install the Oracle Insurance Planner Application Pack

ATTENTION

Before you begin the installation, configure and execute the following files:

1. [Configure the OS File System Settings and Environment Settings in the .profile File](#)
2. [Configure OFS_OIP_PACK.xml File](#)
3. [Configure OFS_OIP_SCHEMA_IN.xml](#)
4. [Configure the OFSAAI InstallConfig.xml File](#) (Do not configure this file if an installation of OFSAAI 8.1 already exists.)
5. [Execute the Schema Creator Utility](#)

NOTE

- For enabling the Right to be Forgotten, see the [Right to be Forgotten](#).
- For enabling Data Redaction, see the [Data Redaction](#) section. For more details, see the Data Redaction section, under Data Security and Data Privacy chapter in the [OFS Analytical Applications Infrastructure Administration Guide](#).

6.6.1 Installation

WARNING

If you want to install OFS IAA and OIP in the same environment, please contact OFSAA Support via [My Oracle Support](#).

To install the Oracle Insurance Planner Application Pack, follow these steps:

1. Log in to the system as a non-root user.
2. Identify a directory for installation and set the same in the user .profile file as follows:

```
FIC_HOME=<OFSAA Installation Directory>
export FIC_HOME
```

3. Execute the user .profile file.

NOTE

Download the Oracle Insurance Planner data model patch **34722101** from [My Oracle Support](#). Replace the OFS_OIP_Datamodel.xml with the new OFS_OIP_Datamodel.xml that is included in this patch. You can search for the patch number in the Patches and Updates tab and download it.

4. Navigate to the OFS_OIP_PACK directory.
5. Execute the schema creator utility with the `-s` option.
6. Navigate to the path OFS_OIP_PACK/conf/OFS_OIP_PACK.xml, and check if the enable tag for OFS_AAI and OFS OIP is set to YES.
7. Rename the OFS_OIP_PACK/appsLibConfig/conf/Silent.Template file to OFS_OIP_PACK/appsLibConfig/conf/Silent.props.
8. Installation is achieved through the properties file (Silent.props) that must be updated with proper values, before attempting to install using silent mode. Edit the parameters in the Silent.props file and specify the parameters as per the requirements.

The following table lists all the properties that must be specified:

Table 2: Parameters for the Silent.props File

Property Name	Description of Property	Permissible values	Comments
LOG_MODE	Specify Log Mode	1 = Debug Mode 0 = General Mode [Passwords will not be printed in the log file]	Password will be printed in the log file. The default value is 0.
APPFTP_LOG_PATH	Specify the Infodom Maintenance log path (to be created) for the new Infodom. Ignore if you are doing the installation on an existing information domain.	User Input	
DBFTP_LOG_PATH	Specify the Infodom Maintenance log path (to be created) for the new Infodom. Ignore if you are doing the installation on an existing information domain.	User Input	

Property Name	Description of Property	Permissible values	Comments
UPLOAD_MODEL	Specify whether you want to perform Model Upload.	0 = If you have already performed Model Upload and want to skip the model upload process. 1 = If you want to perform Model Upload.	The default value is 1.
MODEL_TYPE	Specify whether you want to use the released data model or customized data model for the model upload process.	0 = If you want to upload the released data model. 1 = If you want to upload the customized data model.	The default value is 0.
DATAMODEL DM_DIRECTORY	Specify the path (DM_DIRECTORY) and file (DATAMODEL) name for the customized data model. Mandatory only if you want to upload the customized data model i.e you have specified MODEL_TYPE=1.	User Input	
SEGMENT_1_CODE	Specify the OIP Segment Code.	OIP809SEG	The default value is OIP809SEG.
OBI_HOST	Specify the Host Name of the OBIEE Server	User Input	This field should NOT be left blank. If OBIEE is not configured at the moment, ensure that you provide a dummy value in this field
OBI_PORT	Specify the Port Number of the OBIEE Server	User Input	This field should NOT be left blank. If OBIEE is not configured at the moment, ensure that you provide a dummy value in this field.
OBI_CONTEXT	Specify the Context Name of the OBIEE Server	User Input	This field should NOT be left blank. If OBIEE is not configured at the moment, ensure that you provide a dummy value in this field.

Property Name	Description of Property	Permissible values	Comments
ETL_APPSRC_TYPE	Specify if you want to create a new ETL App/Src pair or use an existing one.	0 = If you want to create a new ETL app/src pair. 1 = If you want to use an existing pair.	The default value is 1.
ETL_SRC_1_DESC	ETL Staging source description.	Describe the ETL Src. Mandatory if you want to create a new ETL Src if you have specified ETL_APPSRC_TYPE= 1.	The default value is Staging.
ETL_SRC_2_DESC	ETL Processing source description.	Describe the ETL Src. Mandatory if you want to create a new ETL Src if you have specified ETL_APPSRC_TYPE= 1.	The default value is Processing.
ETL_SRC_1_NAME	ETL Staging source name.	User Input	The default value is Staging. Specify the ETL Source Name into ETL Area Definitions to be deployed.
ETL_SRC_2_NAME	ETL Processing source name.	User Input	The default value is Processing. Specify the ETL Source Name into ETL Area Definitions to be deployed.

ATTENTION

Do not install new packs in the same segment if the preinstalled applications use the Run Management functionality of OFSAI.

9. Enter the following command in the console to execute the application pack installer with the Silent option.

```
./setup.sh SILENT
```

10. The installer proceeds with Pre-Installation Checks.

11. Enter the OFSAA Processing Tier FTP or SFTP password value and proceed, when prompted in the command prompt.

Table 23: Console Prompt: Enter the OFSAA Processing Tier FTP/SFTP Password

Console Prompts	User Inputs
Please enter OFSAA Processing Tier FTP or SFTP password	<p>Enter the password to access the processing tier in the application server.</p> <p>NOTE: If the prompt reads as follows, enter the username and password for accessing the product Staging or Metadata Repository FTPSHARE:</p> <ul style="list-style-type: none"> • Kerberos username [user] • Kerberos password for user

12. The process displays the OFSAA License. Enter **Y** and proceed.
13. The installer installs the AAI application.
14. After the platform is installed, the Oracle Insurance Planner installation begins.
15. After Data Model Upload is complete, verify the installation logs in the log directories mentioned in the [Verify the Log File Information](#) section.
16. After successful OIP pack installation, the WAR file is generated and all the servers are verified and the installation complete message is displayed.
17. The OFSAA Infrastructure installation performs a post-install health check automatically on the successful installation of the product.
18. On completion of the installation, verify the installation log files mentioned in the [Verify the Log File Information](#) section.

NOTE

- Perform steps mentioned in the [Post-Installation](#) section.
- Ensure that the OFS_OIP_PACK installer directory with its contents is preserved, for enabling additional products in the future.

6.6.2 Verify the Log File Information

See the following logs files for more information:

- See the log files in the locations, for Oracle Insurance Planner installation.
- See the log file (or files) in the OFS_OIP_PACK/OFS_AAI/logs/ directory for the Infrastructure installation log.
- See the logfile located at the \$FIC_HOME directory for the Infrastructure installation log.
- See the pack_install.log file in the OFS_OIP_PACK/logs directory.

NOTE

If you are installing on the Cloud infrastructure, refer to the section [Updating the Config Schema Editing](#).

7 Post-installation

On successful installation of the Oracle Financial Services OIP application pack, follow the post-installation procedures mentioned in [Post-installation Checklist](#).

NOTE

You must clear the application cache before deploying the Application Pack web archive file. This applies to all web servers (WebSphere, WebLogic, Tomcat). For more information, see the [Clear Application Cache](#) section.

Topics:

- [Post-installation Checklist](#)
- [Patch Oracle Insurance Planner](#)
- [Updating the Config Schema](#)
- [Assign Grants for Schemas](#)
- [Backup the OFS_OIP_SCHEMA_IN.xml, OFS_OIP_SCHEMA_OUTPUT.xml, and Silent.props Files](#)
- [Stop the Infrastructure Services](#)
- [Create and Deploy the EAR/WAR Files](#)
- [Start the Infrastructure Services](#)
- [Access the OFSAA Application](#)
- [OFSAA Landing Page](#)
- [Configure Tomcat](#)
- [Change the ICC Batch Ownership](#)
- [Configure Data Source](#)
- [Create and Deploy the EAR or WAR Files](#)
- [Configure the excludeURLList.cfg File](#)
- [Configure Data Redaction in OFSAA](#)
- [Data Protection Implementation in OFSAA](#)
- [Post-Deployment Configurations](#)

7.1 Post-Installation Checklist

You can use this checklist to have a glance at everything that you will be doing post-installing this application. The link provided in each step takes you to a section either within this document or to another referenced document.

NOTE

See the *Post-Installation* section in the [OFS AAI Release 8.1.2.0.0 Installation and Configuration Guide](#) to complete the following checklist procedures.

Table 24: Post-installation Checklist

Sl. No.	Post-installation Activity
1	Verify that all patches are successfully installed.
2	Update the Config Schema. Note: This step is applicable only for deployment on the Oracle Cloud Infrastructure.
3	Back up the OFS_OIP_SCHEMA_IN.xml, OFS_OIP_SCHEMA_OUTPUT.xml, and Silent.props files.
4	Stop the OFSAA Infrastructure services.
5	Start the OFSAA Infrastructure services.
6	Create and deploy EAR or WAR files.
7	Configure the browser settings for the Internet.
8	Configure the webserver.
9	Configure the Resource Reference in web application servers.
10	Configure the Work Manager in the web application servers.
11	EAR/WAR File - Build Once and Deploy Across Multiple OFSAA Instances.
12	Access the OFSAA application.
13	Configure excludeURLList.cfg file.
14	Configure Tomcat.
15	Change the ICC batch ownership.
16	Configure Data Source.
17	Set Data Redaction in Oracle Insurance Planner.
18	Implement Data Protection in OFSAA.
19	Post-deployment Configuration. <ul style="list-style-type: none"> • OBIEE Configuration – Deploy Oracle Insurance Planner Analytics. • Logging as System Administrator. • Create Application Users. • Map the Application User (or Users) to User Groups. • OIP Pack User Group Names.

7.2 Mandatory Patch

Download and apply the AAI mandatory One-off Patches **33995565** and **34058716**.

7.3 Patch Oracle Insurance Planner

Oracle strongly recommends installing the latest available patch set to be up-to-date with the various releases of the OFSAA product. Contact [My Oracle Support](#). for more information on the latest release.

7.4 Assign Grants for Schemas

See Assign Grants for Schemas section in the [OFS AAI Release 8.1.2.0.0 Installation and Configuration Guide](#) on how to assign grants for the schemas.

7.5 Backup the OFS_OIP_SCHEMA_IN.xml, OFS_OIP_SCHEMA_OUTPUT.xml, and Silent.props Files

Backup the OFS_OIP_SCHEMA_IN.xml, OFS_OIP_SCHEMA_OUTPUT.xml, and Silent.props files as they can be reused when upgrading existing applications or installing new applications.

Table 25: Directory of Files to Backup

File Name	Directory
OFS_OIP_SCHEMA_IN.xml	OFS_OIP_PACK/schema_creator/conf
OFS_OIP_SCHEMA_OUTPUT.xml	OFS_OIP_PACK/schema_creator/
Silent.props	OFS_OIP_PACK/appsLibConfig/conf

7.6 Stop the Infrastructure Services

See [Stop the Infrastructure Services](#) in OFS AAI Release 8.1.2.0.0 Installation and Configuration Guide for details.

7.7 Create and Deploy the EAR or WAR Files

See [Create and Deploy the EAR or WAR Files](#) in OFS AAI Release 8.1.2.0.0 Installation and Configuration Guide for details.

7.8 EAR or WAR File - Build Once and Deploy Across Multiple OFSAA Instances

See [EAR or WAR File - Build Once and Deploy Across Multiple OFSAA Instances](#) in OFS AAI Release 8.1.2.0.0 Installation and Configuration Guide for details.

7.9 Start the Infrastructure Services

See [Start the Infrastructure Services](#) in OFS AAI Installation Guide for details.

7.10 View OFSAA Product Licenses after Installation of Application Pack

In an integrated environment, where you have multiple applications installed on the same domain or infrastructure, OFSAAI allows you to see the other licensed applications through the UI. For more information, see the View OFSAA Product Licenses after

Installation of Application Pack in the [OFS Analytical Applications Infrastructure User Guide Release 8.1.2.0.0](#).

7.11 Configure Tomcat

To stop generating static content with one print statement per input line, you must configure the `web.xml` file.

To configure the `web.xml` file, perform the following steps:

1. Navigate to the `tomcat/conf` directory.
2. Edit the `web.xml` file as follows:
3. Set the mapped file parameter to False in the servlet tag mentioned with

```
<servlet-name>jsp</servlet-name>.  
<init-param>  
  <param-name>mappedfile</param-name>  
  <param-value>>false</param-value>  
</init-param>
```

7.12 Deploying the Webserver using Tomcat

Perform the following steps to deploy the Webserver by using Tomcat:

1. Configure the Apache Tomcat Server. For more information, see the **Configure the Apache Tomcat Server** section in [OFS Analytical Applications Infrastructure Installation and Configuration Guide](#).
2. After configuring the Apache Tomcat Server, create the Data Source. For more information, see the **Create Data Source** section in [OFS Analytical Applications Infrastructure Installation and Configuration Guide](#).

7.13 Change the ICC Batch Ownership

All seeded Batches in the Oracle Insurance Planner pack are automatically assigned to the SYSADMN user during installation. To view the batches in the Batch Maintenance menu, you must execute the following query in the Config Schema of the database:

```
begin  
AAI_OBJECT_ADMIN.TRANSFER_BATCH_OWNERSHIP  
('fromUser','toUser','infodom');  
end;  
OR  
begin  
AAI_OBJECT_ADMIN.TRANSFER_BATCH_OWNERSHIP ('fromUser','toUser');  
end;
```

Where:

- `from user` indicates the user who currently owns the batch
- `toUser` indicates the user to whom the ownership must be transferred

- `infodom` is an optional parameter. If specified, the ownership of the batches of that Infodom will be changed.

7.14 Configure Data Source

This section details the configurations required for Data Sources in the OFSAA applications.

- Create a connection pool in the Information Domain. For more information, see the [OFS AAI Release 8.1.2.0.0 Installation and Configuration Guide](#).
- JNDI name of the connection pool must be `<res-ref-name>` as mentioned in the `web.xml` file. For example `jdbc/INFODOM`
- Create and deploy the web components into the webserver. For more information on deploying the web components, see the [OFS AAI Release 8.1.2.0.0 Installation and Configuration Guide](#).
- The following tag must be added manually in `web.xml` if not already present in the `web.xml` file.

```
<resource-ref>
<!-- description>DB Connection INFODOM</description -->
<res-ref-name>jdbc/ INFODOM</res-ref-name>
<res-type>javax.sql.DataSource</res-type>
<res-auth>Container</res-auth>
</resource-ref>
```

7.15 Configure the excludeURLList.cfg File

See [Configure the excludeURLList.cfg File](#) in OFS AAI Installation Guide for details.

7.16 Configure Data Redaction in OFSAA

This section details the configurations required in case you want to enable Data Redaction in the OFSAA applications.

Topics:

- [Prerequisites](#)
- [Data Redaction](#)
- [Enable Data Redaction in case of an Upgrade](#)

7.16.1 Prerequisites

Ensure the required Oracle Database Server versions are installed:

- Oracle Database Server Enterprise Edition 18c Release 3 - 64 bit RAC/Non-RAC with/without partitioning option, Advanced Security Option.
- Oracle Database Server Enterprise Edition 19c Release 3 - 64 bit RAC/Non-RAC with/without partitioning option, Advanced Security Option.

7.16.2 Data Redaction

OFSAA is enhanced to enable masking of sensitive data and Personal Identification Information (PII) to adhere to Regulations and Privacy Policies. Oracle Data Redaction provides selective, on-the-fly redaction of sensitive data in database query results before being displayed by applications so that unauthorized users cannot view the sensitive data. The stored data remains unaltered, while displayed data is transformed into a pattern that does not contain any identifiable information.

To enable Data Redaction, perform the following steps:

1. Log in as SYSDBA into the database.
2. Execute the
`$FIC_HOME/utility/data_security/scripts/create_data_sec_roles.sql` file only once per database (PDB in case of 18c/19c).
3. Execute the following SQL statement to find out the list of atomic users from the table:


```
select v_schema_name from aai_db_detail where V_DB_NAME <> 'CONFIG' AND V_DB_TYPE = 'ORACLE'
```
4. Execute the
`$FIC_HOME/utility/data_security/scripts/grant_data_sec_roles.sql` file for all atomic users found in the previous step.
5. From the Configuration window in the System Configuration module, select the Allow Data Redaction checkbox.
6. Run the Data Redaction utility.

For more details on enabling Data Redaction, see the *Data Redaction* section in the *Data Security and Data Privacy* topic in the [OFS Analytical Applications Infrastructure Administration and Configuration Guide](#).

7.17 Data Protection Implementation in OFSAA

Data Protection implementation in OFSAA applications includes the following:

- Right to be Forgotten
- Data Portability
- Pseudonymization
- Notice and Consent
- Data Archival
- Data Redaction

See the [OFSDF Data Protection Implementation Guide](#) for details.

7.17.1 Right to be Forgotten

Right to be Forgotten is the task of removing Personally Identifiable Information (PII) of a Data Subject for the given Party. The financial institution can delete PII for those Data Subjects who have requested this Right to be Forgotten functionality.

The Data Subjects may have made significant financial transactions, and/or financial information may be required for regulatory or compliance reporting. Deleting the complete record that consists of PII may lead to issues in data reconciliation. In OFSAA, the PII data will be replaced with randomized values and therefore, the complete Data Subject record is retained. As a result, financial information is retained; however, the associated Party PII is removed permanently.

7.17.1.1 **Configuring Right to be Forgotten During Oracle Insurance Planner Installation**

To configure Right to be Forgotten, follow these steps:

1. Ensure that you assign the role of Data Controller to the OIP user.
2. Edit the task of the batch `<Infodom_name>_RightToForget`. By default the parameter is SYSADMN. Modify the user ID in the Metadata Value field to the OIP Data Controller user ID from Step 1.
3. Add the party IDs entries for the Right to Forget in the **FSI_PARTY_RIGHT_TO_FORGET** table.
4. Execute the batch `<Infodom_name>_RightToForget`, for the specific FIC MIS date mentioned in the **FSI_PARTY_RIGHT_TO_FORGET** table.

7.18 **Post-deployment Configurations**

This section includes the post-deployment configuration steps.

Topics:

- [Logging as System Administrator](#)
- [Creating Application Users](#)
- [Mapping Application User \(or Users\) to User Group](#)
- [OIP Pack User Group Names](#)

7.18.1 **Logging as System Administrator**

This section includes provides information about the system administrator roles and privileges.

Topics:

- [Role of an Administrator](#)
- [Function Maintenance](#)
- [Role Maintenance](#)
- [Function - Role Mapping](#)
- [User Group Role Mapping](#)

7.18.1.1 **Role of an Administrator**

There are two types of Administrators as defined by the OFS Analytical Applications Infrastructure: A User Administrator and a System Administrator.

- **System Administration:** refers to a process of managing, configuring, and maintaining confidential data in a multi-user computing environment. A System Administrator creates functions, roles, and mapping functions to specific roles. A System Administrator also maintains segment information, holiday list, and restricted passwords to ensure security within the application. The following are the activities of a System Administrator:
 - Function Maintenance
 - Role Maintenance
 - Function-Role Mapping
- **User Administration:** This is one of the core functions of Security Management which involves administrators creating user definitions, user groups, maintaining profiles, authorizing users and user groups, and map users to groups, domains, and roles. A User Administrator controls the user privileges in accessing the application and is based on business requirements to provide access to view, create, edit, or delete confidential data.

A User Administrator grants permissions based on user roles and requirements.

The respective roles must be mapped to administrative user SYSADMN.

7.18.1.2 Function Maintenance

For details, see the System Administrator section in the [Oracle Financial Services Analytical Applications Infrastructure User Guide](#).

7.18.1.3 Role Maintenance

For details, see the System Administrator section in the [Oracle Financial Services Analytical Applications Infrastructure User Guide](#).

7.18.1.4 Function - Role Mapping

For details, see the System Administrator section in the [Oracle Financial Services Analytical Applications Infrastructure User Guide](#).

7.18.1.5 User Group Role Map

For details, see the User Group Role Map section in [Oracle Financial Services Analytical Applications Infrastructure User Guide](#).

7.18.2 Creating Application Users

Create the application users in the OFSAA setup before use.

For details, see the User Administrator section in the [Oracle Financial Services Analytical Applications Infrastructure User Guide](#).

7.18.3 Mapping Application User (or Users) to User Group

For details, see the User Administrator section in the [Oracle Financial Services Analytical Applications Infrastructure User Guide](#).

With the installation of the OIP application pack, preconfigured Application user groups are seeded. These user groups are unique to every OFSAA Application Pack and have application roles preconfigured.

For more information on seeded User Groups, see [OIP Pack User Group Names](#).

Map the application user (or users) to the respective Application User Group (or users) and subsequently authorize the entitlements by logging in as SYSAUTH (System Authorizer) user.

For details, see the Mapping or Unmapping Users section in the [Oracle Financial Services Analytical Applications Infrastructure User Guide](#).

7.18.4 OIP Pack User Group Names

The section provides information about the User Group names seeded as part of the Oracle Insurance Planner application pack.

To access the OIP application, you can map the created users to the following user groups:

- UGOIPADMIN - Insurance Planner Administrator
- UGOIPANALYST-Insurance Planner Analyst

7.19 Access the OFSAA Application

Before accessing the OFSAA application ensure the Internet Settings are configured.

To access the OFSAA application, follow these steps:

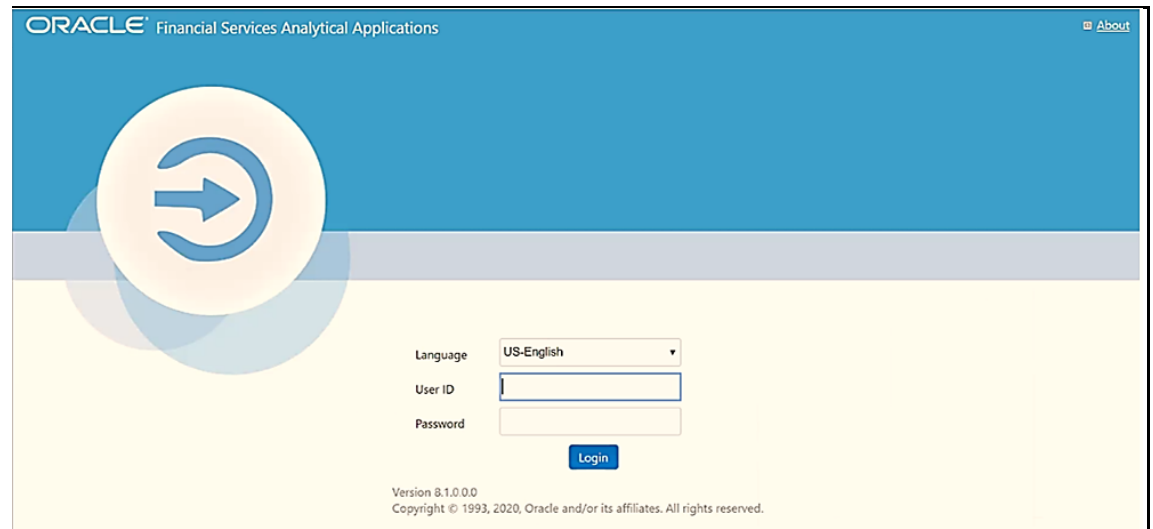
1. Open a browser and enter the URL in the following format:

```
<scheme>://<IP address/ hostname>:<port>/<context-name>/login.jsp
```

For example, `http://192.0.2.2/ofsaa/login.jsp`

The OFSAA Login window is displayed.

Figure 11: OFSAA Login Window



With the installation of every OFSAA Application Pack, there are two seeded user-profiles configured in the system:

- SYSADMN System Administrator
- SYSAUTH System Authorizer

The SYSADMN and SYSAUTH users are configured with a default password, which you will require to log in for the first time. See the MOS Doc ID: [2691681.1](#) for the password.

2. Log in to the application using the SYSADMN User ID and the default password. After the first login, you are prompted to change the password. Create a user, for more

ATTENTION

The password change is required only for a new installation scenario and not for upgrade scenarios.

7.19.1 OFSAA Landing Page

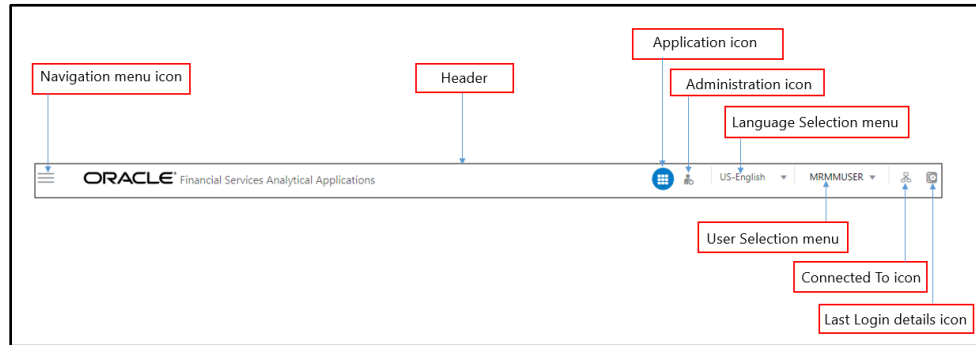
On successful login, the *OFSAA Landing* screen is displayed.

OFSAA Landing screen shows the available Applications as tiles, for which a user has access. Clicking the respective Application tile launches that particular application. You can change the landing page based on your preference.

7.19.1.1 Masthead

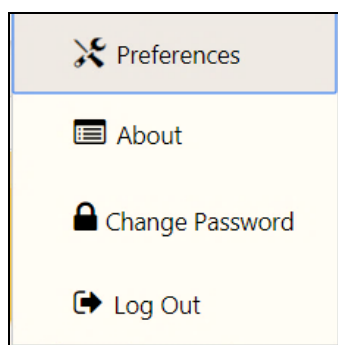
This section describes the user interface components in the OFSAA Landing page.

Figure 12: User Interface Components



- **Navigation Menu:** This icon is used to trigger the Application Navigation Drawer.
- **Application Icon:** This icon is used to show the available Applications installed in your environment at any time.
- **Administration Icon:** This icon is used to go to the *Administration* window. The *Administration* window displays modules like System Configuration, Identity Management, Database Details, manage OFSAA Product Licenses, Create New Application, Information Domain, Translation Tools, and process Modelling Framework as Tiles.
- **Reports Icon:** This icon is used to launch various User Reports such as user Status Report, User Attribute Report, User Admin Activity Report, User Access Report, and Audit Trial Report.
- **Language Menu:** It displays the language you selected in the OFSAA Login Screen. The language options displayed in the Language Menu are based on the language packs installed in your OFSAA instance. Using this menu, you can change the language at any point in time.
- **User Menu:** Clicking this icon displays the following menu:

Figure 13: User Menu



- **Preferences:** To set the OFSAA Landing Page.
- **Change Password:** To change your password. For more information, see the *Change Password* section in the [OFS AAI User Guide](#). This option is available only if SMS Authorization is configured.
- **Log Out:** To log out from OFSAA applications.
- **Last Login Details:** This displays the last login details as shown.

Figure 14: Last Login Details

Last Login Date : 05/13/2018 20:28:46 PM Last Failed Login Date : 05/11/2018 09:27:26 AM

7.19.1.2 Navigation Drawer

To launch the navigation drawer, follow these steps:


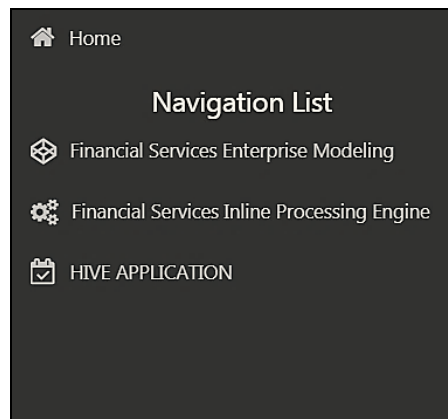
1. Click the **Navigation menu**  to launch the Navigation Drawer as shown.

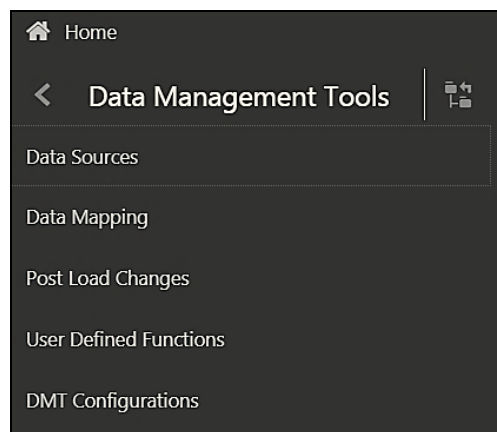
Figure 15: Navigation Drawer



Here the navigation items appear as a list. The First Level menu shows the installed applications. Clicking an application displays the second-level menu with the application name and Common tasks menu. The arrangement of the menu depends on your installed application.

2. Clicking an item in the menu displays the next level sub-menu and so on. For example, to display Data Sources, click **Financial Services Enterprise Modeling** select **Data Management** select **Data Management Framework**, select **Data Management Tools**, and then select **Data Sources**.

Figure 16: Navigation Drawer Menus and Submenus




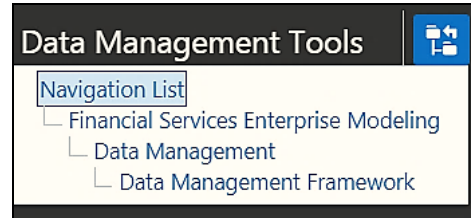

3. Click  **Hierarchical Menu** to display the navigation path of the current submenu as shown.


Figure 17: Navigation Submenu

4. The RHS Content Area shows the Summary page of Data Sources. Click anywhere in the Content Area to hide the Navigation Drawer. To launch it back, click the Navigation menu .
5. Click **Home** to display the OFSAA Landing Screen.

7.19.1.3 System Configuration

The Administration and Configuration section allows the System Administrators to configure the Server details, Database details, OLAP details, and Information Domain along with the other Configuration process such as segment and metadata mapping, and mapping segment to security. System Configuration is mostly a one-time activity that helps the System administrator to make the Infrastructure system operational for usage.

7.19.1.3.1 Navigate to System Configuration

Click the **Administration Icon**  from the header to display the Administration tools in the Tiles menu. Click **System Configuration** from the Tiles menu to view a submenu list.

NOTE


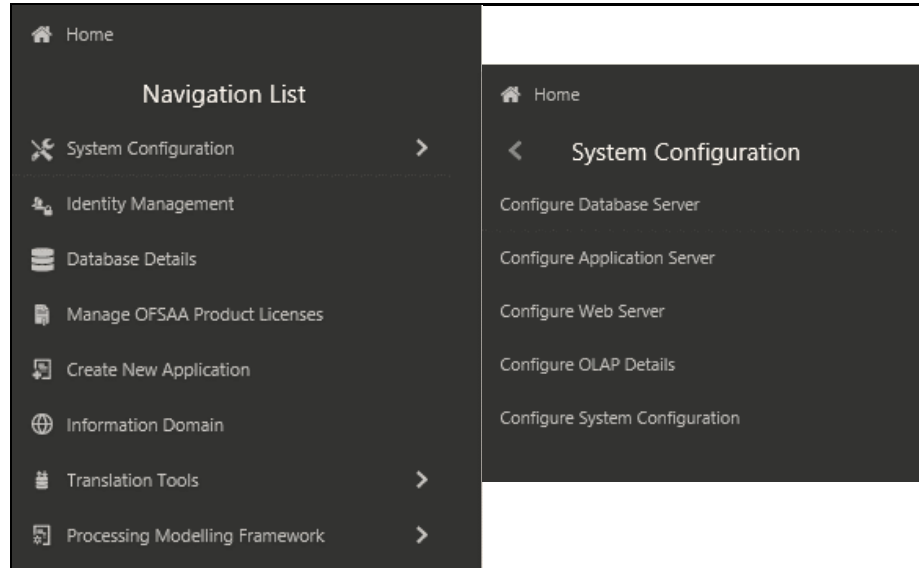
After you have accessed a tool from the submenu, the options are also available in the Navigation List to the left. Click the **Navigation menu**  to access the Navigation List.

Figure 18: System Configuration Submenu



You (System Administrator) must have full access rights to the ftpshare directory with the appropriate User ID and password to add and modify the server details.

7.19.1.3.2 Components of System Configuration

System Configuration consists of the following sections.

- Database Server
- Application Server
- Web Server
- Database Details
- OLAP Details
- Information Domain
- Configuration
- Create Application

Part III

Topics:

- [Configure the Web Server](#)
- [Configure Resource Reference in Web Servers](#)
- [Configure Work Manager in Web Application Servers](#)
- [Additional Configurations](#)
- [Migrate Excel Upload Functionality](#)
- [FAQs](#)

8 Clone the Environment

If required, the user can clone their environment by using the steps mentioned in the [Oracle Insurance Planner Cloning Reference Guide](#).

9 Configure the Web Server

This step assumes the installation of a web server exists as per the prerequisites. If an installation already exists, skip, and proceed to the next step.

Webserver configuration includes the following activities. See the [Configure the Web Server](#) section in the [OFS AAI Release 8.1.2.0.0 Installation and Configuration Guide](#) to complete these procedures.

- **Configure WebSphere Application Server for Application Deployment**
 - Create a New Profile in WebSphere
 - Manage IBM WebSphere SDK Java Technology Edition Versions
 - Manage Applications in WebSphere
 - Configure WebSphere Application Server to Initialize Filters before Initializing Load-On Startup Servlets
 - Configure WebSphere Application Server Persistence to JPA Specification 2.0
 - Configure WebSphere Application Server to Use a Load Balancer or Proxy Server
 - Delete WebSphere Profiles
 - Configure WebSphere HTTPS
 - Configure WebSphere Memory Settings
- **Configure WebLogic for Application Deployment**
 - Create Domain in WebLogic Server
 - Delete Domain in WebLogic
 - Configure WebLogic Memory Settings
- **Configure Apache Tomcat Server for Application Deployment**
 - Tomcat User Administration
 - Configure Servlet Port
 - Configure SSL Port
 - Configure Apache Tomcat Memory Settings
 - Configure Tomcat for User Group Authorization
 - Uninstall WAR Files in Tomcat

NOTE

- See the [Oracle Financial Services Analytical Applications Infrastructure Security Guide](#) for configurations to secure your web server.
- You must enable a sticky session/affinity session configuration on the webserver. See the respective product-specific Configuration Guide for more details. Additionally, you also must enable the sticky session/ affinity session configuration at the Load Balancer level if you have configured a Load Balancer in front of the webserver.
- Make a note of the IP Address/ Hostname and port of the web application server. This information is required during the installation process (required if the webserver is not configured).
- Add umask 0027 in the `.profile` of the UNIX account which manages the WEB server to ensure restricted access permissions.
- See the OFSAA Secure Configuration Guide/ Security Guide mentioned in the [Related Documents](#) section for additional information on securely configuring your web server.

9.1 Additional Configurations for Web Servers

This section provides information for additional configuration required for the web servers on OFSAAI.

NOTE

The instructions in this section are applicable if you are upgrading from an earlier version of OFS AAI to 8.1.2.0.0.

- **Configuration for WebSphere:** To configure WebSphere, see the Configure WebSphere Application Server for Application Deployment section. Additionally, configure for REST services. For details, see the *Configuring WebSphere for the REST Services Authorization* section in the [OFS Analytical Applications Infrastructure Administration Guide](#).
- Additionally, you must configure the Work Manager in WebSphere and map it to the OFSAA instance. For details, see the *Work Manager Configurations* section in the [OFS Analytical Applications Infrastructure Administration Guide](#).
- **Configuration for WebLogic:** To configure WebLogic, see the [Configure WebLogic for Application Deployment](#) section. Additionally, configure for REST services. For details, see the *Configuring WebLogic for the REST Services Authorization* section in the [OFS Analytical Applications Infrastructure Administration Guide](#).
- Additionally, you must configure the Work Manager in WebLogic. For details, see the *Work Manager Configurations* section in the [OFS Analytical Applications Infrastructure Administration Guide](#).

- **Configuration for Tomcat:** For the successful execution of Data Mapping in Tomcat, perform the configurations mentioned in the Configuration for Tomcat section in the [OFS Analytical Applications Infrastructure Administration Guide](#).

For additional configurations, see the [Configure Apache Tomcat Server for the Application Deployment](#) section.

9.1.1 Configure Application Security in WebSphere

This is a mandatory security procedure for WebSphere to restrict the unauthorized access of configuration files in directories. For detailed information, see the Oracle Financial Services Analytical Applications Infrastructure Security Guide.

9.1.2 Configure WebSphere Shared Library to Support Jersey 2x and Jackson 2.9x Libraries

Perform the following configuration to set the WebSphere shared library to support jersey 2x and Jackson 2.9x libraries.

1. Click **Environment** from the menu on the left to expand and view the list. Click **Shared Libraries** to open the Shared Libraries window.

Figure 19: WebSphere Shared Libraries

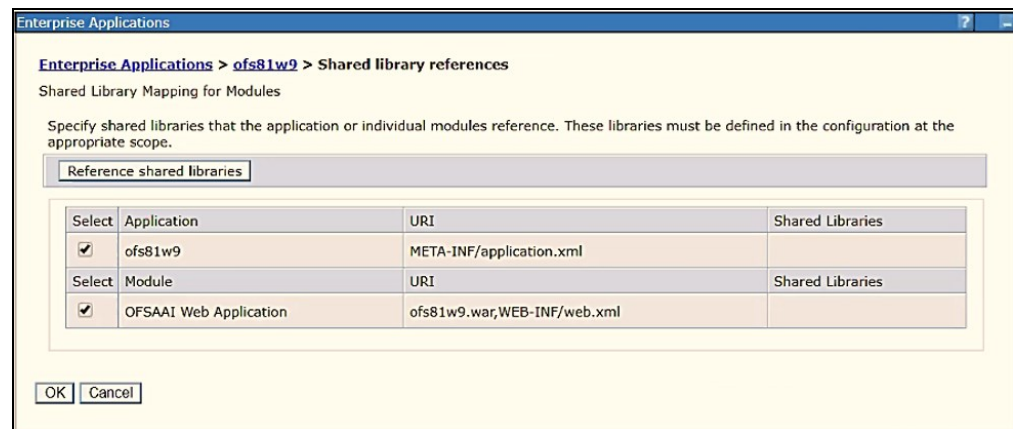
The screenshot shows the 'Shared Libraries' configuration window in WebSphere. The title bar says 'Shared Libraries'. Below the title bar, there is a breadcrumb 'Shared Libraries > JERSEY2x' and a description: 'Use this page to define a container-wide shared library that can be used by deployed applications.' The 'Configuration' tab is selected. Under 'General Properties', the 'Scope' is set to 'cells:whf00cywNode01Cell:nodes:whf00cywNode01:servers:server1'. The 'Name' is 'JERSEY2x' and the 'Description' is 'shared Lib'. The 'Classpath' is set to '/scratch/IBM/WebSphere/AppServer/profiles/AppSrv01/installedApps/whf00cywNode01Cell/ofs81w9.ear/ofs81w9.war/externalib/WEB-INF/lib/'. The 'Native Library Path' is empty. Under 'Class Loading', the checkbox 'Use an isolated class loader for this shared library' is checked. At the bottom are buttons for 'Apply', 'OK', 'Reset', and 'Cancel'.

2. Enter the following details:
 - **Name:** Enter a uniquely identifiable name.
 - **Description:** Enter a valid description.
 - **Classpath:** Enter the absolute path where the JARs related to Jersey 2.x and Jackson 2.9x are copied. These jars are available in the `<OFSAA_HOME>/ficweb/webroot/externalib/WEBINF/lib/` directory

after creation of the EAR file. Another format of representation of the path is
`<ofsaa_deployed_area_location>/externallib/WEBINF/lib/`.

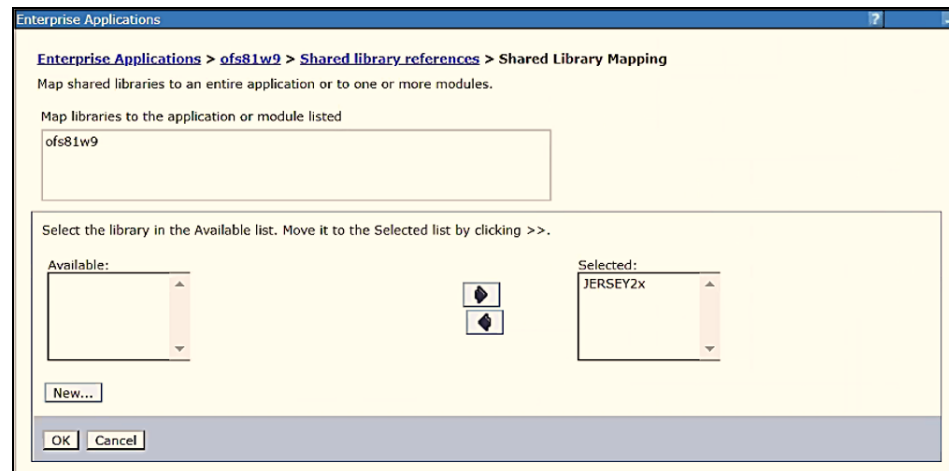
3. Select Use an isolated class loader for this library.
4. Click **OK** to save to master configuration.
5. Select the application or module and map the shared libraries. Click OK. In the following figure, **ofsa** is selected.

Figure 20: WebSphere Shared Library References

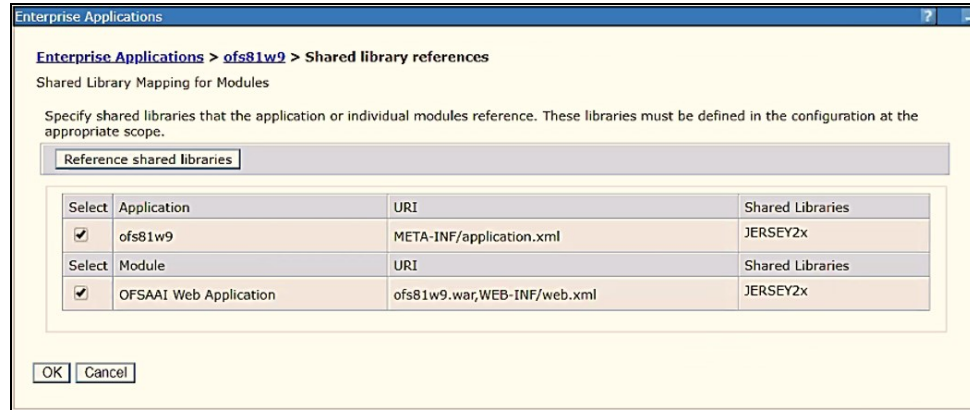


6. From the Shared Library Mapping window, move the required shared libraries from **Available** to **Selected**. In the following figure, JERSEY2x is selected.

Figure 21: WebSphere Shared Libraries Mapping Selection



7. Click **OK**.
8. Similarly, select the next application or module and repeat the procedure from steps 5 to 7.

Figure 22: WebSphere Shared Libraries Select Next Application

9. Disable the built-in JAX-RS via JVM property.
 - a. Navigate to the WebSphere admin console in **Servers > WebSphere Application Servers > yourServerName**.
 - b. In the Server Infrastructure section, go to Java and **Process Management > Process definition > Java Virtual Machine > Custom properties**.
 - c. Add the following property:
`com.ibm.websphere.jaxrs.server.DisableIBMJAXRSEngine=true`

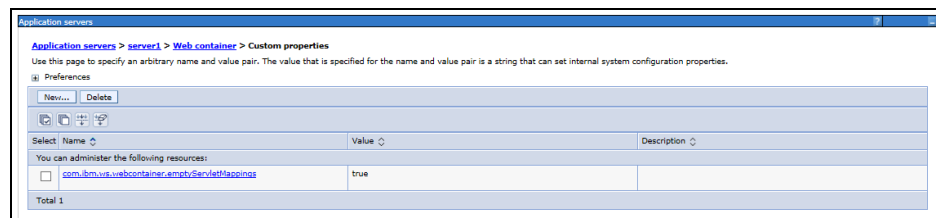
NOTE

If the application does not come up post the steps mentioned above, then, navigate to **Application Servers > server1 > Web container > Custom properties** and modify the following property to **True**:

`com.ibm.ws.webcontainer.emptyServletMappings = true`

`com.ibm.ws.webcontainer.initFilterBeforeInitServlet=true`

`com.ibm.ws.webcontainer.invokeFilterInitAtStartup=true`



10. Restart the application.

10 Configure Resource Reference in Web Servers

Configuring resource references in web servers includes the following activities. See [Configure Resource Reference in Web Servers](#) section in the [OFS AAI Release 8.1.2.0.0 Installation and Configuration Guide](#) to complete these procedures.

- **Configure Resource Reference in WebSphere Application Server**
 - Create a JDBC Provider
 - Create Data Source
 - Create J2C Authentication Details
 - Define JDBC Connection Pooling
- **Configure Resource Reference in WebLogic Application Server**
 - Create Data Source
 - Create GridLink Data Source
 - Configure Multi Data Sources
 - Configure Advanced Settings for Data Source
 - Configure JDBC Connection Pooling
 - Create Work Manager
- **Configure Resource Reference in Tomcat Application Server**
 - Create Data Source
 - Define JDBC Connection Pooling
 - Configure ClassLoader for Apache Tomcat

11 Configure Work Manager in Web Application Servers

The process Modelling framework requires creating a Work Manager and mapping it to the OFSAA instance. This configuration is required for WebSphere and WebLogic Web application server types.

Configuring Work Manager in web application servers includes the following activities. See [Configure Work Manager in Web Application Servers](#) section in the [OFS AAI Release 8.1.2.0.0 Installation and Configuration Guide](#) to complete these procedures.

- **Configure Work Manager in WebSphere Application Server**
 - Creating a Work Manager
 - Mapping Work Manager to OFSAA WebSphere Instance
- **Configure Work Manager in WebLogic Application Server**

12 Configurations for Deployment on Oracle Cloud Infrastructure

This section provides details about the required configurations for the successful deployment of the Oracle Insurance Planner application on Oracle Cloud Infrastructure (OCI). For more information, see the [OFS Analytical Applications Infrastructure Security Guide](#) and [OFSAA Clustered Environment Configuration Guide](#).

12.1 Pre-installation

This section details the pre-installation steps that you must perform before you deploy the OIP application on OCI:

- [Prerequisites](#)
- [Mounting FSS to Compute Virtual Machine](#)
- [Opening up the Network Ports for OFSAA Services](#)

12.1.1 Prerequisites

Ensure that you have completed all the steps mentioned in the following sections:

- [Hardware and Software Requirements](#)
- [Pre-installation](#)

12.1.2 Mounting FSS to Compute Virtual Machine

This section enables you to mount the `ftpshare` directory across the OFSAA Processing Tier Compute nodes, and conditionally apply to any other nodes, for high availability or non-high availability deployments.

NOTE

Ensure that the `ftpshare` folder is created and use the mount under which the `ftpshare` folder was created.

To mount the file system to compute Virtual Machine, follow these steps:

1. Log in to the Oracle Cloud Infrastructure console.
2. Navigate to **File Storage** and select **File Systems**.
3. In the **Name** column, select the project-specific FSS that has been created. In this example, click **shared_ifrs_storage** to open the **Details Screen** and view the export path.

Figure 23: The Details Screen Displaying the Export Path

Export Path	State	Mount Target	Created
shared	Active	ifs_mount_target	Sat, Nov 16, 2019, 01:06:35 UTC

4. For the required export path, click **More** , and select **Mount Commands**.

Figure 24: The Details Screen after clicking the More Icon

Export Path	State	Mount Target	Created
shared	Active	ifs_mount_target	Sat, Nov 16, 2019, 01:06:35 UT

5. Ensure that the Oracle Cloud Infrastructure (OCI) team has opened the Ingress or Egress ports.

Figure 25: The Mount Commands Window

Mount Commands [help](#) [close](#)

Before mounting a file system, you must configure security rules to allow network traffic to and from the mount target. You can set up security rules in subnet security lists, network security groups, or by using a combination of both:

- Stateful **ingress** to TCP ports 111, 2048, 2049, and 2050, and UDP ports 111 and 2048.
- Stateful **egress** for TCP source ports 111, 2048, 2049, and 2050, and UDP source port 111.

[Learn more](#)

IMAGE

Oracle Linux

COMMAND TO INSTALL NFS CLIENT

```
sudo yum install nfs-utils
```

6. In the **Mount Commands** window:
- In the **COMMAND TO INSTALL NFS CLIENT** field, enter the value `sudo yum install nfs-utils`.
 - In the **COMMAND TO INSTALL NFS CLIENT** field, enter the value `sudo mkdir -p /mnt/shared`, where `/mnt/shared` must be replaced with your mount value.

- c. In the **COMMAND TO MOUNT THE FILE SYSTEM** field, enter the value `sudo mount 10.0.14.5:/shared/mnt/shared`, where `/mnt/shared` must be replaced with your mount value and `10.0.14.5` must be replaced with your storage VM IP address.
7. Click **Close**.
8. Use the PuTTY tunneling session to connect to the **OFSAA Product Home1** compute virtual machine with the command, `ssh <ofsaa product_home1>`.
9. Execute the commands in the fields **COMMAND TO INSTALL NFS CLIENT**, **COMMAND TO INSTALL NFS CLIENT**, and **COMMAND TO MOUNT THE FILE SYSTEM** in sequence.
10. To verify that the execution of the mounting commands was successful, try to verify by accessing a sample text file from the OFSAA product home:
 - a. Verify the mount by using the command: `df -k`.
 - b. Create any text file in this mount.
 - c. Verify that this file is accessible when you connect to the OFSAA Product Home2 compute virtual machine.

12.1.3 Opening up the Network Ports for OFSAA Services

If you are deploying the Oracle Insurance Planner application on the Cloud servers, you must open the respective ports that will be used for the OFSAA Services across the network for the respective subnets in the deployment setup through the OCI team:

NOTE

The ports mentioned in this section are the default ports. You must open your available ports.

1. Open the following ports:

JAVAPORT

NATIVEPORT

AGENTPORT

ICCPORT

ICCNATIVEPORT

OLAPPORT

MSGPORT

ROUTERPORT

AMPORT

WEB_SERVER_PORT

12.2 Post-installation

This section details the post-installation steps that you must perform when you deploy the Oracle Insurance Planner application on OCI:

- [Prerequisites](#)
- [Updating the Config Schema](#)

12.2.1 Prerequisites

Ensure that you have completed all the steps mentioned in the following sections:

- [Installation](#)
- [Post-installation](#)

12.2.2 Updating the Config Schema

Log in to the Config Schema and update the configuration set `paramvalue` to `Y` using the following query:

```
update configuration set paramvalue='Y' where  
paramname='IS_CLOUD_INSTALL'; commit;
```


13 Additional Configurations

This section provides information for additional configurations required for the OFSAA application packs.

Topics:

- [Additional Configuration Checklist](#)
- [Increase the Column Length of the Tables](#)

13.1 Additional Configuration Checklist

To complete the configuration process, you may require to perform the following steps listed in the Additional Configuration Checklist. Use this checklist to verify whether these steps are completed or not. See the [Additional Information](#) section in the [OFS AAAl Release 8.1.2.0.0 Installation and Configuration Guide](#) to complete these procedures.

Table 26: Additional Configuration Checklist

Sl. No.	Additional Configuration Activity
1	Add FTP/SFTP Configuration for File Transfer.
2	Configure the Infrastructure Server Memory.
3	Configure the Internet Settings.
4	Set OLAP Data Server Configuration.
5	Change IP or Hostname, Ports, Deployed Paths of the OFSAA Instance.
6	Execute the OFSAAI Setup Information Fetching Tool.
7	Execute the Encryption Changer.
8	Configure the Infrastructure LDAP Configuration.
9	Enable Parallel Execution of DML statements
10	Clear the application cache.
11	Configure password changes.
12	Configure Java Virtual Machine.
13	Configure Internal Service (Document Upload/Download).

14 Migrate Excel Upload Functionality

See the [Migrate Excel Upload Functionality](#) section in the [OFS AAI Release 8.1.2.0.0 Installation and Configuration Guide](#) to complete the procedures.

15 Frequently Asked Questions (FAQs) and Error Dictionary

For FAQs and installation error-related information, see the section [Frequently Asked Questions \(FAQs\) and Error Dictionary](#) in the [OFS AAI Release 8.1.2.0.0 Installation and Configuration Guide](#).

15.1 Application Pack 8.1.2.0.0 FAQs

You can see the Frequently Asked Questions which are developed with the interest to help you resolve some of the Oracle Insurance Planner Installation and configuration issues. This intends to share the knowledge of problem resolution to a few of the known issues. This is not an official support document and just attempts to share the knowledge of problem resolution to a few of the known issues.

1. How do I upgrade the Java version to JDK 11?

See the [Update the OFSAA 8.1.1.x Java 8 Instance to Java 11](#) section in the OFS AAI Installation and Configuration Guide.

2. The Application UI is not loading or the batches are not being executed. How do I fix this?

Restart the ICC and FIC Server.

3. What is an Application pack?

An Application Pack is a suite of products.

4. Can I get a standalone installer for OFSAAI 8.1?

No. AAI is part of every application pack and installs automatically.

5. Where can I download Oracle Insurance Planner 8.1.2.0.0 Application Pack?

You can download the OFSAAI 8.1.2.0.0 Application Pack from [Oracle Software Delivery Cloud](#) (OSDC).

6. What are the minimum system and software requirements for the Oracle Insurance Planner Application Pack?

See the [Hardware and Software Requirements](#) for more information.

7. Is my environment compatible with Oracle Insurance Planner 8.1.2.0.0 Application Pack?

Environment Check utility performs the task. It is part of the installation and can also be run separately.

8. Does the Oracle Insurance Planner 8.1.2.0.0 Application Pack support all Operating systems?

See the [Hardware and Software Requirements](#) section.

9. How can I install the OFS AAI 8.1.2.0.0 Application Pack?

See the [OFS AAI Release 8.1.2.0.0 Installation and Configuration Guide](#).

10. Does this installation require any Third-party Software?

For details on the third-party software tools used, see the [OFSAA Licensing Information user Manual](#) Release 8.1.2.0.0.

11. How do I upgrade the Java version to JDK 11?

See the [Update the OFSAA 8.1.1.x Java 8 Instance to Java 11](#) section in the [OFS AAAI Installation and Configuration Guide](#).

12. What languages are supported during the OFSAA 8.1.2.0.0 Application Pack installation?

US English is the language supported.

13. What mode of installations OFSAA Application Pack supports [that is., Silent, GUI]?

OFSAA Application Packs support only Silent Mode.

14. Does OFSAA 8.1.2.0.0 Application Pack support Multi-tier Installations?

OFSAA 8.1.2.0.0 supports only a single-tier installation. For more information, see the [Frequently Asked Questions \(FAQs\) and Error Dictionary](#) section.

15. Does this Application Pack validate all prerequisites required for this installation like Memory, Disk Space, and so on?

Yes. The pre-requisite checks are done by the respective application pack installer.

16. What happens if it aborts during the installation of any application or products within an Application pack?

You must restore the system and retrigger the installation

17. Does this Application pack 'Roll Back' if any application installation fails due to errors?

The rollback of installation is not supported.

18. Does the Application pack install all applications bundled?

All application pack system files are installed but there is an option to enable the licensed products.

19. Can I re-install any of the Application Packs?

You can retrigger in case of failure.

20. Does this Application pack allow enabling or disabling any of the applications installed?

Yes, you can enable but you cannot disable it once the product is enabled in an environment.

21. I have installed one application in an Application pack, can I install any of the new applications within the Application pack later?

No, the installation of additional applications is not required. If you wish to add an application later, you can enable the application at that time.

22. How many OFSAA Infrastructures can be installed in a single server?

There is no issue in installing separate OFSAAI installations, each with its own PFT/FTP installations and separate associated database instances and separate web server installations on the same server as long as adequate memory is allocated for each instance and as long as each OFSAAI installation is installed using a separate UNIX user and profile. Care must be taken when running multiple OFSAAI installations on a single server. Adequate memory is required for each installation as several OFSAAI processes (model upload, DEFQ services, and so on) take significant amounts of memory. So it depends on your server's memory.

23. Is it possible to install OFSAA 8.1.2.0.0 Application pack on an existing 'Infodomain' where another OFSAA 8.1.2.0.0 application is installed?

Yes. However, the Behavioral Detection Application Pack and Compliance Regulatory Reporting Application pack are the exceptions. They must be installed in a different Infodom.

24. Can I select an Infodom for the Application pack during installation?

Yes. You can select or change the required infodom.

25. Can I install all Application Packs in a Single Infodom?

Yes. But, the Behavioral Detection Application Pack and Compliance Regulatory Reporting Application Pack are the exceptions. They must be installed in a different Infodom.

26. Is it possible to install applications on different Infodom within the Application pack?

Applications within the application pack have to be installed in the same information domain in the same environment.

27. How many Infodoms can be created over a single OFSAA Infrastructure of 8.1.2.0.0?

You can install only one infodom during installation. But after installation, you can create multiple infodoms.

28. Is the 'Data Model' bundled specifically to an Application pack or an individual application?

A merged data model for all applications within the application pack is bundled and uploaded.

29. Is it possible to install OFS Enterprise Modeling later?

OFS Enterprise Modeling is a separate product and can be enabled as an option later from any application pack that bundles Enterprise Modeling. For more information, see Enable Financial Services Enterprise Modeling on Another Application Pack section in the [OFS AAI Release 8.1.2.0.0 Installation and Configuration Guide](#).

30. Are upgrade Kits available for individual applications or the complete Application Pack?

31. Maintenance Level (ML) Release and Minor Release upgrades are available across all applications.

32. Can I upgrade to AAI only?

Yes, you can upgrade to AAI alone.

33. Is it possible to uninstall any Application from the Application pack?

No, it is not possible to uninstall any Application from the Application Pack.

34. Can I uninstall the entire Application Pack?

No, you cannot uninstall the Application Pack.

35. Is it possible to uninstall only the application and retain AAI in the installed environment?

No, you cannot uninstall only the application and retain AAI in the installed environment.

36. Does Application Pack contain all Language Packs supported?

Language Packs must be installed on the application packs.

37. Can I install an Application Pack over another Application Pack (that is the same infodomain or different infodomain)?

Yes, you can install an Application Pack over another Application Pack in the same information domain or different information domain. But Behavioral Detection Application Pack and Compliance Regulatory Reporting Application Pack, Asset Liability Management Application Pack, and Profitability Application Pack are the exceptions. They must be installed in a different Infodomain.

38. What should I do if I get the error message: HostName in the input XML file is not matching with the local hostname while running the schema creator utility?

One possible reason can be the machine is configured for zonal partitioning. Ensure all the known IP Addresses of the machine are present in the `/etc/hosts` file.

39. What are the Java versions supported in Oracle Insurance Planner Application Pack version 8.1.2.0.0?

See the [Hardware and Software Requirements](#) section.

40. Is OFSAAI Application Pack version 8.1.2.0.0 supported on Java 9 and Java 11?

For information about supported Java versions, see the [Hardware and Software Requirements](#) section

41. What should I do when I get the message: "[ERROR] - Error: APP Setup bin file failed." during OFS_Application_PACK installation?

This is a generic error message that appears during application installation failure. You must check the installation log files for more information about what failed the installation.

However, if the message is displayed and the log files are not generated, this can be a temp directory issue. The resolution is that your UNIX administrator has to disable the NOEXEC option. The installers extract the installation files into the `/tmp` directory, and if NOEXEC is enabled, the execution of binaries will not happen in the directory and the installation fails. Re-run the installer after the configuration is changed. For detailed information, see the support note at <https://support.oracle.com/epmos/faces/DocumentDisplay?id=2340045.1>.

OFSAA Support

Raise a Service Request (SR) in [My Oracle Support \(MOS\)](#) for queries related to the OFSAA applications.

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