OFS AgileREPORTER Portal

Installation Guide

Release 8.0.7.3.1

April 2019

ORACLE®
Financial Services

DOCUMENT CONTROL

Version Number	Revision Date	Changes Done
1.0	Updated: April 2019	Document contents are categorized to appropriate sections and structured considering all the 8.0.7.3.1 features.
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Executive Summary

The document consists of all the installation, Pre and Post configuration procedures which have been structured considering all the 8.0.7.3.1 features. You can find the latest copy of this document in OHC Documentation Library which includes all the recent additions/revisions (if any) done till date.

Before you begin the installation, ensure that you have an access to Oracle Support Portal with the required login credentials to quickly notify us for any specific issues. You can obtain one by contacting Oracle Support Services.

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TABLE OF CONTENTS

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Preface

This preface provides supporting information for the OFS AgileREPORTER Installation Guide and includes the following topics:

- Summary

- Audience

- Prerequisites for the Audience

- Documentation Accessibility

- Related Documents

- Conventions and Acronyms

Summary

You can find the latest copy of this document in OHC library which includes all the recent additions/revisions (if any) done till date.

Before you begin the installation, ensure that you have an access to the Oracle Support Portal with the required login credentials to quickly notify us of any issues at any stage. You can obtain the login credentials by contacting Oracle Support.

Audience

The OFS AgileREPORTER Pack Installation and Configuration Guide is intended for Administrators, Business User, Strategists, and Data Analyst, who are responsible for installing and maintaining the application pack components.

Prerequisites for the Audience

Following are the expected preparations before starting the actual installation:

The document assumes you have experience in installing Enterprise components. Basic knowledge about the Oracle Financial Services Advanced Analytical Applications Infrastructure Applications Pack components, OFSAA Architecture, UNIX commands, Database concepts and Web Server/ Web Application Server is recommended.

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.

Access to Oracle Support

Oracle customers have access to electronic support through My Oracle Support. For information, visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info or visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs for the hearing impaired.

Conventions and Acronyms

Conventions	Description
AIX	Advanced Interactive executive
DEFQ	Data Entry Forms and Queries
DML	Data Manipulation Language
EAR	Enterprise Archive
EJB	Enterprise JavaBean
ERM	Enterprise Resource Management
FTP	File Transfer Protocol
GUI	Graphical User Interface
HTTPS	Hypertext Transfer Protocol Secure
J2C	J2EE Connector
J2EE	Java 2 Enterprise Edition
JDBC	Java Database Connectivity
JDK	Java Development Kit
JNDI	Java Naming and Directory Interface
JRE	Java Runtime Environment
JVM	Java Virtual Machine
RBI	Reserve Bank of India
US FED	US Federal Reserve

1   About OFS AgileREPORTER and OFS AgileREPORTER Packs

This chapter includes the following topics:

- About OFS AgileREPORTER
- About OFS AgileREPORTER Platform Architecture
- About OFS AgileREPORTER Modules

1.1 About OFS AgileREPORTER

OFS AgileREPORTER is a forms and workflow tool that enables creation and submission of regulatory returns. The OFS AgileREPORTER platform is configured with product configurations delivered using configuration packages. Different configuration packages are loaded into OFS AgileREPORTER to support different sets of regulatory returns, normally on jurisdictional lines.

For example, one configuration package may support US Broker / Dealer returns, whereas another configuration package may support European Common Reporting. When a regulation changes, only a new version of the related configuration package is required, there is usually no need to upgrade OFS AgileREPORTER.

A configuration package contains the following core artefacts:

1. Return template
2. Description of the submission files for the regulator
3. XBRL taxonomies
4. Validation rules and edit checks
5. Bindings to the FSDF data model

If you are using an OFSAA - OFS AgileREPORTER integrated solution, two configuration packages are required. One is from Lombard Risk, containing artefacts 1-4 above; and one from Oracle, containing artefact 5.
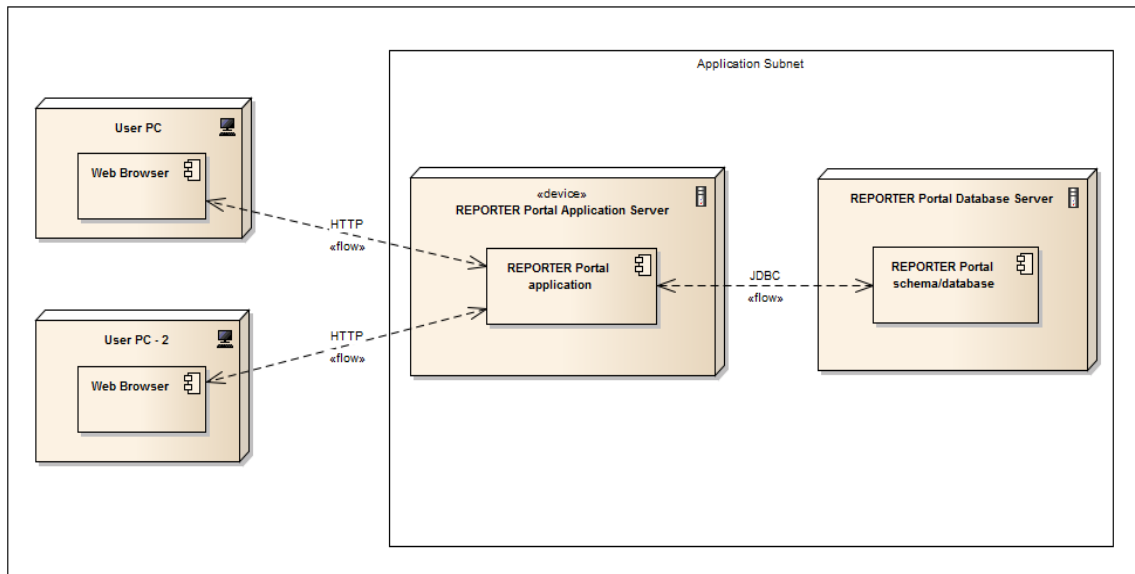
Chapter 2 – Preparing for Installation till Chapter 5 – Start/Stop AgileREPORTER Services describes how to install, update, configure, start, and stop the OFS AgileREPORTER platform.

1.2 About OFS AgileREPORTER Platform Architecture

OFS AgileREPORTER has a web-based user interface. Users interact with OFS AgileREPORTER to view and edit their regulatory returns using a standard web browser. No browser plugins are required – its user interface is completely standard compliant (HTML, CSS, and JavaScript).

OFS AgileREPORTER platform contains an embedded Java EE server. All the business logic of OFS AgileREPORTER is executed within this server. The server itself is a single Java process running on the application server.

OFS AgileREPORTER requires a relational database. Oracle database is supported. For more details, see Chapter 2 – Preparing for Installation.

The installation of OFS AgileREPORTER has a prerequisite described in Chapter 2 - Preparing for Installation to correctly configure the OFS AgileREPORTER database.

1.3 About OFS AgileREPORTER Modules

If licensed sufficiently, OFS AgileREPORTER can also work with optional modules:

- REPORTER: Lombard Risk REPORTER® Suite provides calculated return data and form (template) metadata for OFS AgileREPORTER. If REPORTER module is installed for OFS AgileREPORTER, the REPORTER form (template) metadata is used instead of OFS AgileREPORTER return metadata.

- OFSAA: The OFSAA Module for OFS AgileREPORTER provides integration with Oracle Financial Services Application Architecture. Oracle's OFSAA provides calculated return data which is read directly from OFSAA's results area, and applied to form (template) metadata in OFS AgileREPORTER.

2   Preparing for Installation

This chapter provides necessary information to review before installing the OFS AgileREPORTER Applications Pack v8.0.7.3.1. This chapter includes the following topics:

- Installer and Installation Prerequisites
- Obtaining the Software
- Common Installation Activities

2.1   Installer and Installation Prerequisites

This section describes the installation prerequisites for OFS AgileREPORTER Pack.

2.1.1   Supported Operating Systems

OFS AgileREPORTER is supported on the following operating system:

- **Linux**
  - Red Hat Enterprise Linux 7.x
  - Oracle Enterprise Linux 7.x

2.1.2   Required Software

The required software for this release are as follows:

- Java Runtime Environment (JRE) (version 8 update 91 or later updates of version 8, Oracle HotSpotTM). The **JAVA_HOME** environment variable should point at the JRE installation folder, and java (in Unix) or java.exe (in Windows) should be placed in the system path.

NOTE: Use the Oracle JRE distribution. Open JDK is not supported.

How Java is used?

If the application server that OFS AgileREPORTER is installed on has multiple version of Java installed, OFS AgileREPORTER attempts to use Java in the following order, moving to the next location if Java cannot be found:

1. **JAVA_HOME** properties defined in the **ocelot.properties** file. This is a local version of the **JAVA_HOME** properties and does not impact other applications using this variable.

2. **JAVA_HOME** defined at the system level (if not defined/overridden in the **ocelot.properties** file). This variable can be shared by other applications, so be careful if you want to modify it.

3. The Java executable in the system path. This is the version of Java that is used when `java` is entered at the command line.

Ensure that the JAVA_HOME property points to a valid Java folder. For example, if the Java executable is in /**opt/java/Jre17/bin/java**, then set **JAVA_HOME=/opt/java/Jre17**.

Java Use Case Examples

Use the system-level JAVA_HOME

Make sure the System level **JAVA_HOME** is valid and that **JAVA_HOME** is not defined in the **ocelot.properties** file.

Use a different version of Java than the one defined by the system-level JAVA_HOME

Define **JAVA_HOME** in the **ocelot.properties** file.

Unsure about JAVA_HOME and it is not defined on the installation computer

Check if **JAVA_HOME** is defined in your system by entering the following at the command line:

Linux:

echo $JAVA_HOME

If **JAVA_HOME** is not defined in your system, then check if **java -version** can be run at the command line. If so, OFS AgileREPORTER uses the same version**.**

▪ Oracle Financial Services Data Foundation (OFSDF) 8.0.7.0.0 (patch **28929704**) plus other prerequisite OFSDF patches (see **Section 3.1 Installer and Installation Prerequisites** of *Oracle Financial Services Data Foundation Installation Guide*) should be installed and configured in your Machine (OHC Documentation Library).

2.1.3 Supported Databases

OFS AgileREPORTER supports Oracle Database 11g Release 2 and 12c Release 1.

NOTE: This guide mentions SQL Server throughout. Please do not use these SQL Server options and settings. Full SQL Server support will be finalized in a later version.

2.1.3.1 Oracle-specific Settings

OFS AgileREPORTER requires a schema for installation and runtime. The same schema can be used for both. If desired, for security reasons you can use two different schemas:

▪ An *owner* schema that has DDL privileges. This schema is only used at installation and during Configuration Manager operations, and can otherwise be locked.

▪ An app schema that only has DML privileges. This schema is used at runtime.

The owner schema requires the following privileges (granted by someone with system database administrator privileges):

NOTE: You require SYSDBA privileges to run the last four grants.

- grant create session to <owner>;

- grant create trigger to <owner>;

- grant create table to <owner>;

- grant create sequence to <owner>;

- grant create view to <owner>;

- grant select on pending_trans$ to <owner>;

- grant select on dba_2pc_pending to <owner>;

- grant select on dba_pending_transactions to <owner>;

- grant execute on dbms_xa to <owner>;

The app schema and all accessible schemas that appear in the required alias of installed configurations are granted the following privileges (granted by someone with system database administrator privileges):

NOTE: You need SYSDBA privileges to run the last four grants.

- grant create session to <app>;

- grant select on pending_trans$ to <app>;

- grant select on dba_2pc_pending to <app>;

- grant select on dba_pending_transactions to <app>;

- grant execute on dbms_xa to <app>;

Schema/Login examples

Following are examples of DDL (*owner*) and DML (*app*) schemas/logins for OFS AgileREPORTER in Oracle and SQL Server, with user-definable items shown in **bold**:

- **Oracle**

```
-- Schema Owner
CREATE USER RP$OWNER IDENTIFIED BY password
DEFAULT TABLESPACE users
TEMPORARY TABLESPACE temp
QUOTA UNLIMITED ON users;
grant create session to RP$OWNER;
grant create trigger to RP$OWNER;
grant create table to RP$OWNER;
grant create sequence to RP$OWNER;
grant create view to RP$OWNER;
grant select on pending_trans$ to RP$OWNER;
```

```
grant select on dba_2pc_pending to RP$OWNER;

grant select on dba_pending_transactions to RP$OWNER;

grant execute on dbms_xa to RP$OWNER;

-- Application User

CREATE USER RP$APP IDENTIFIED BY password

DEFAULT TABLESPACE users

TEMPORARY TABLESPACE temp

QUOTA UNLIMITED ON users;

grant create session to RP$APP;

grant select on pending_trans$ to RP$APP;

grant select on dba_2pc_pending to RP$APP;

grant select on dba_pending_transactions to RP$APP;

grant execute on dbms_xa to RP$APP;

-- create and grant object privilege role to application user to let
application user access the table of the schema owner

CREATE ROLE RP$RW_ROLE;

CREATE ROLE RP$R_ROLE;

grant RP$RW_ROLE to RP$APP;
```

2.1.4 Other Requirements

The other requirements for this release are:

- Shut down any OFS AgileREPORTER Web Server currently running on the target server.

- Ensure that there is a free service port for OFS AgileREPORTER web server (default 8080) and a free service port for ActiveMQ (default 61616). If either default port is already being used by another application, find an alternative free port.

- To use Oracle functionality that fulfils General Data Protection Regulation (GDPR) requirements, set the *db.redacted* property equal to *True* in the *aliasinfo.properties* file.

  For example:
  ```
  config.sh -ea OFSAA_DW_DT -iv 1.11.0.1 -alias ''OFSAA DS'' -aif
  aliasinfo.properties
  ```

NOTE: From version *1.15.5*, a new property is added related to encrypted passwords. If encrypted passwords are used in the properties file, the ***password.encrypted*** property in the alias properties file must be uncommented and its value set to True.

2.2 Obtaining the Software

This release of OFS AgileREPORTER Applications Pack 8.0.7.3.1 can be downloaded from the Oracle Support site (https://support.oracle.com/). Login and search for **29626373** under the Patches and Updates tab to download.

2.3 Common Installation Activities

The following are the common pre-installation activities that you must carry out before installing the OFS AgileREPORTER application.

This section includes the following topics:

- Identifying the Installation, Download and Metadata Repository Directories

- Configuration for GUI Mode Installation

- Downloading and Copying the OFS AgileREPORTER Application Installer

- Copying and Extracting the Software

- Setting up the Web Server/ Web Application Server

2.3.1 Identifying the Installation Directory

For installation of any OFS AgileREPORTER Applications, the following folders/ directories required to be created.

- **OFS AgileREPORTER Download Directory** (Optional): Create a download directory and copy the OFS AgileREPORTER Application Installer File (Archive). This is the directory where the downloaded installer/ patches can be copied.

NOTE: Ensure the user permission is set to 755 on the Installation and Download Directory.

2.3.2 Copying and Extracting the Software

Once you obtain the installer, copy the installer (in BINARY mode) to the system on which the OFS AgileREPORTER Applications components are installed.

NOTE: You must be logged in to the UNIX operating system as a non-root user.

1. Download the unzip utility (OS specific) `unzip_<os>.Z`, and copy it in Binary mode to any directory and include the directory in your PATH variable. If you already have the unzip utility to extract the contents of the downloaded archive, skip to the next step.

2. Uncompress the unzip installer file using the command:

   ```
   uncompress unzip_<os>.Z
   ```

NOTE: If you notice an error message "uncompress: not found [No such file or directory]" when the package is not installed, contact your UNIX administrator.

3. Give EXECUTE permission to the file using the command:

   `chmod 751 unzip_<os>`

   For example, `chmod 751 unzip_sparc`

4. Extract the contents of the OFS AgileREPORTER Application 8.0.7.3.1 to the downloaded directory using the following command:

   `unzip OFS_AGILE_REPORTER_8.0.7.3.1_LINUX.zip`

NOTE: DO NOT rename the Application Pack installer folder name on extraction from the archive.

5. Give following permission to the installer folder. Navigate to the downloaded directory and execute the command:

   `chmod –R 755 OFS_AGILE_REPORTER`

3 Installing OFS AgileREPORTER Applications Pack

Follow the instructions in this chapter to install the OFS AgileREPORTER Applications Pack depending on the mode of installation.

This chapter includes the following topics:

- Running the OFS AgileREPORTER Applications Pack Installer

- Verifying the Installation

3.1 Running the OFS AgileREPORTER Applications Pack Installer

OFS AgileREPORTER Applications Pack installation supports two modes of installation:

- Running the Installer in GUI Mode

- Running the Installer in SILENT Mode

3.1.1 Running the Installer in GUI Mode

NOTE: Before proceeding, ensure that all pre-installation requirements listed in Chapter 2 - Preparing for Installation are met.
The following screenshots are taken from a Windows system, but will look similar in Linux configuration for GUI Mode Installation.

To install this product in GUI mode, you need to ensure the following software and configurations are available:

- Install and configure any PC X Server software such as Open Text Exceed (formerly Hummingbird Exceed) on the user desktop system from which the installation is triggered.

- Configure DISPLAY variable.

  Ensure to set the DISPLAY variable (in user .profile) on the system on which the OFSAA Infrastructure is installed, to point to the user desktop system where the PC X Server software is installed.

  Syntax:

  export DISPLAY = hostname:n

  where, **hostname** is the IP Address/ Host Name of the user desktop system and **n** is the sequence number (usually 0).

  For example: **10.XXX.XXX.XXX:0000** or **myhostname:0**
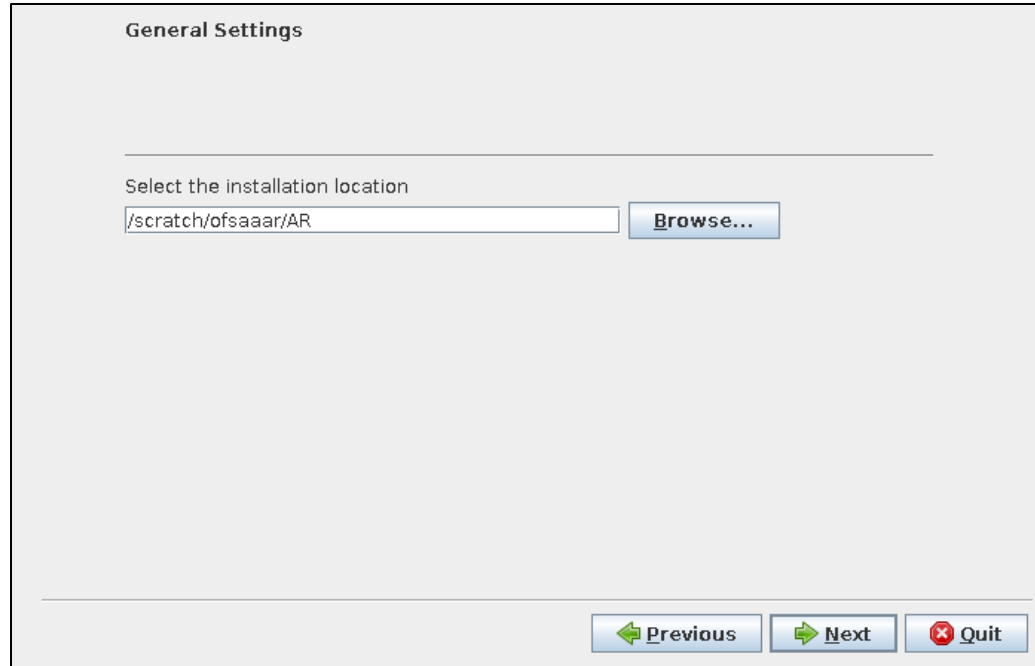
To install OFS AgileREPORTER using the installer GUI, follow these steps (click **Next** to advance after each step):

1. Navigate to the path where OFS AgileREPORTER installer kit is unzipped.

2. Navigate to **OFS_AGILE_REPORTER/AgileREPORTER/bin** directory.

3. Execute **./Setup.sh GUI** command in the console.

AgileREPORTER®   Lombard Risk
Welcome to AgileREPORTER(19.1.2-b105) installer
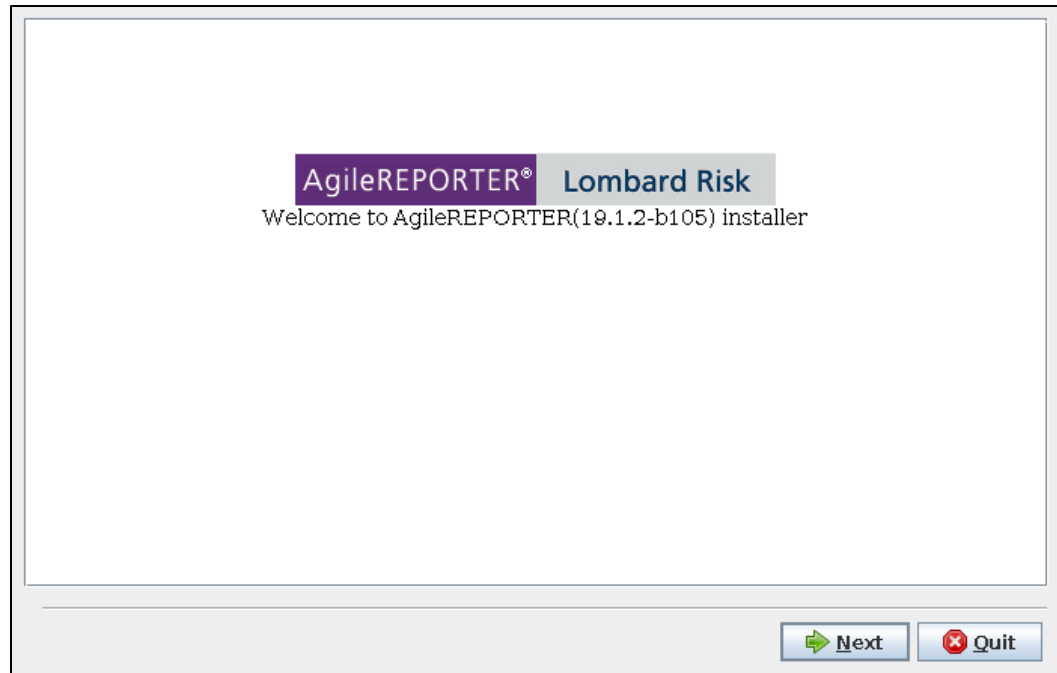
The initial splash screen is displayed. Select **Next** to continue the installation.

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4. Select the location where OFS AgileREPORTER must be installed.

5. The installer checks for OFSAA database when the database details are entered.

NOTE:

If Oracle FSDF is not available, the following message is displayed.
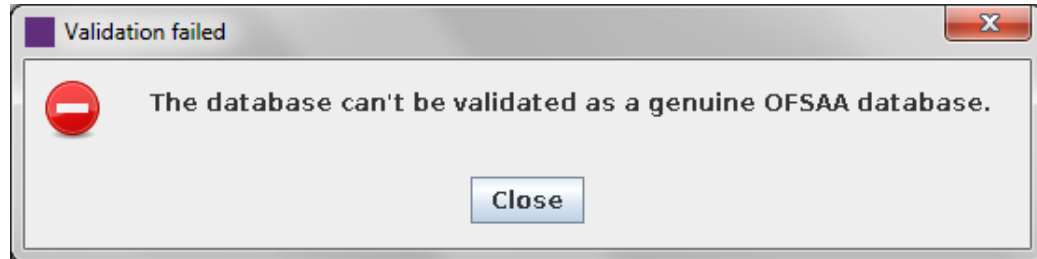
If Oracle FSDF is available, the following screens continue as part of the installation.

6. Select the JBOSS options as applicable.
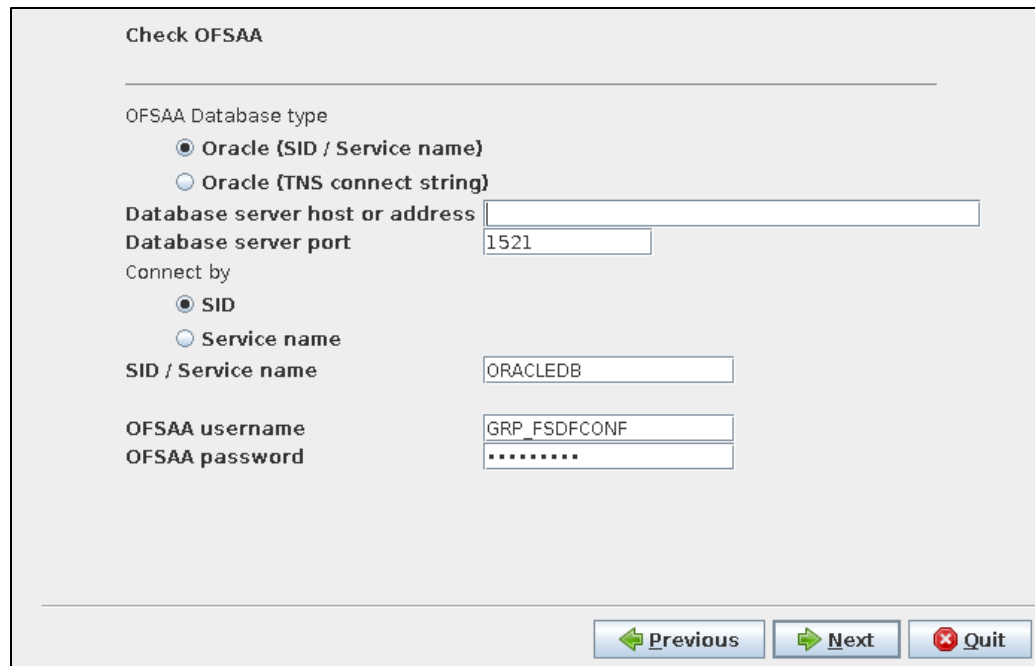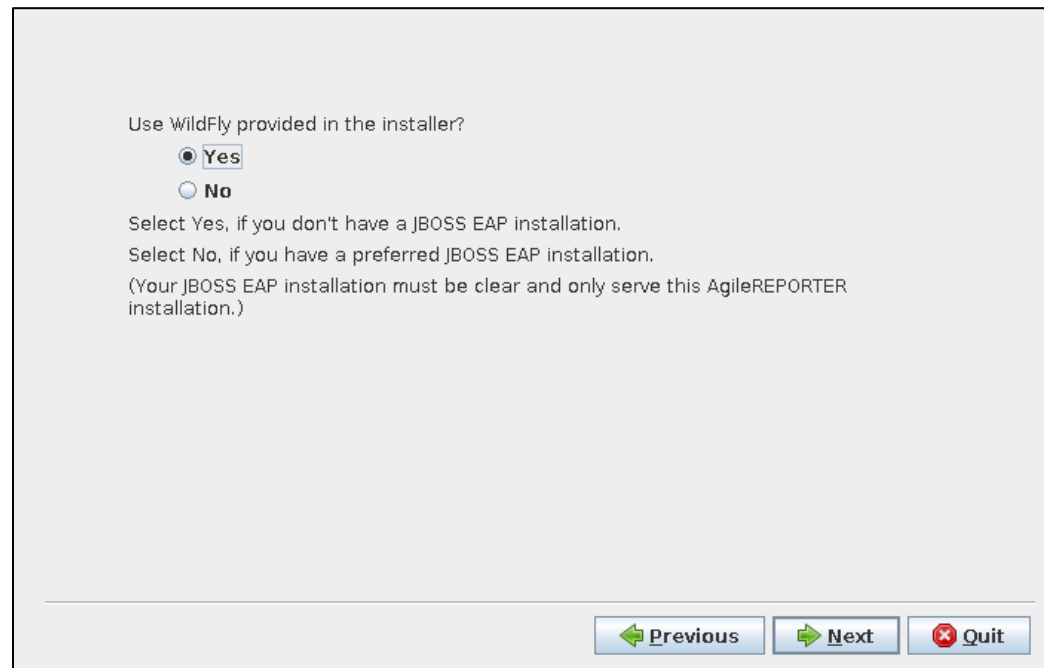
7. Select the installation mode as applicable.

8. Select the network settings as per the below figure.
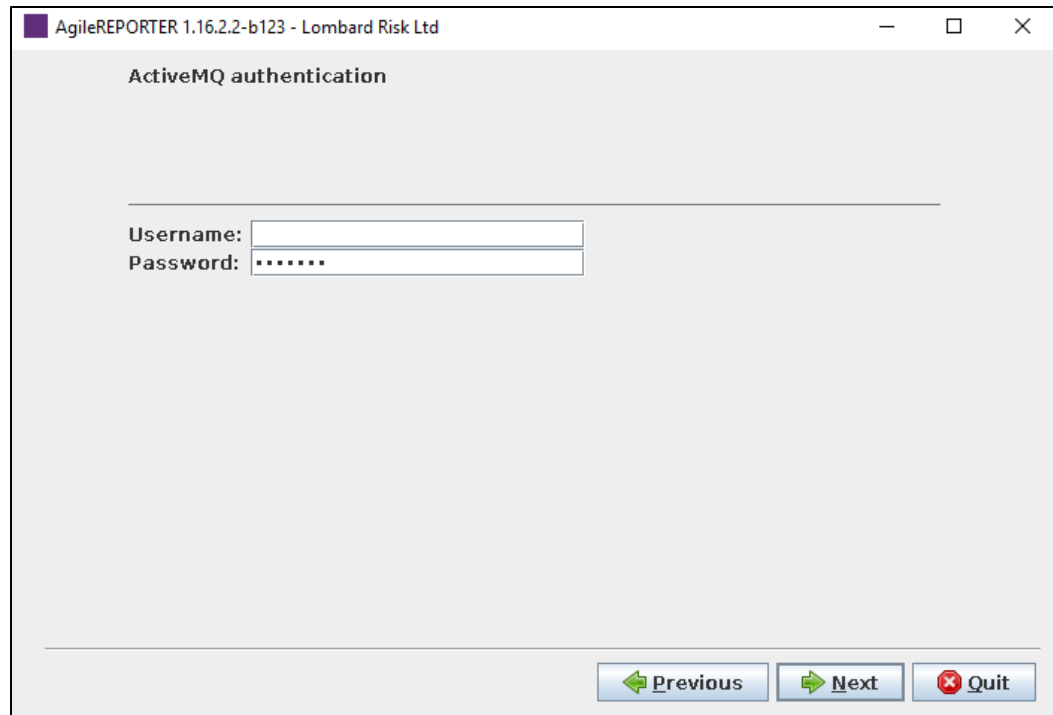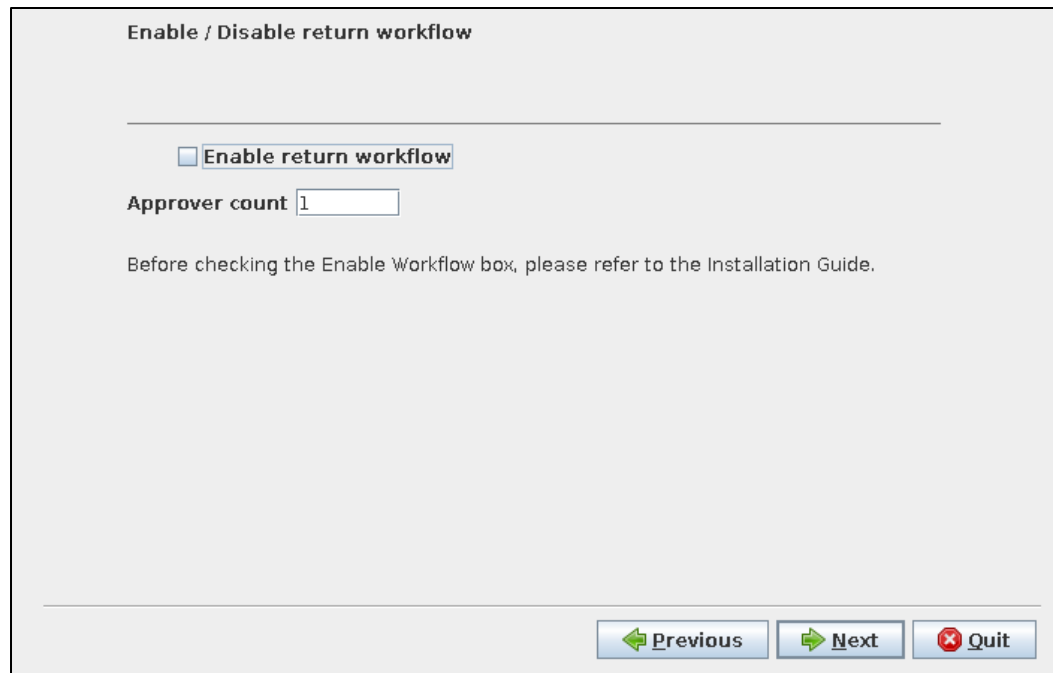
9. Provide the MQ authentication details as per the below figure.

10. Select **Enable return workflow** to enable approval workflow for changes made to returns, and set how many approvers are required per change.

NOTE: If your installation of OFS AgileREPORTER is connected to the REPORTER module, then OFS AgileREPORTER uses approval workflow settings from there instead of showing you this step. You may require a new license to enable the approval workflow feature, contact Lombard Risk.

11. Select how AgileREPORTER users will be authenticated when logging in.
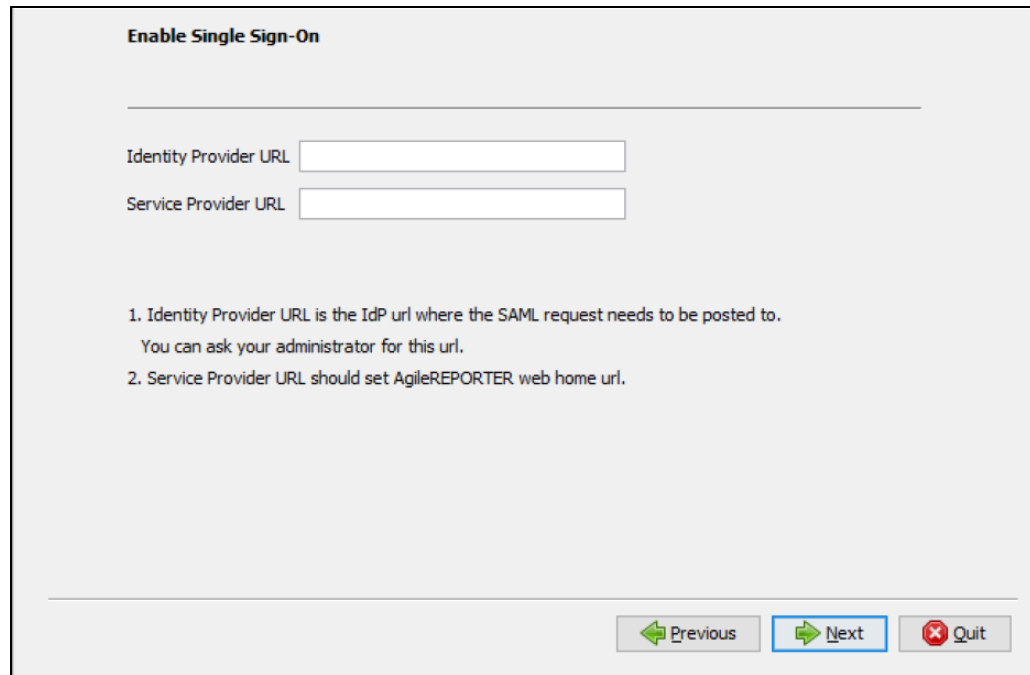
NOTE:

- **Single Sign On**: Users are managed in AgileREPORTER database but passwords can be optional in AgileREPORTER. An SSO server is used to provide the user authentication.

- **LDAP Only**: Users are managed in AgileREPORTER database but passwords can be optional in AgileREPORTER. An LDAP server is used to provide the user authentication.

12. If you select **Single Sign On**, then enter values for **Identity Provider URL** and **Service Provider URL**.

Identity Provider URL: Where OFS AgileREPORTER sends SSO requests, for example to an identity provider set up within your infrastructure.

Service Provider URL: Must be http(s)://<hostname>:<port>/agilereporter/ (the OFS AgileREPORTER URL).

NOTE: OFS AgileREPORTER supports Single Sign-On by using the SAML v2 protocol. If you have the SAML v2 compatible Identity. Provider in your IT infrastructure already, the Identity Provider can be used to authenticate users of OFS AgileREPORTER.

One possible usage of this functionality is that OFS AgileREPORTER, OBIEE and OFSAA web share single sign-on using SAML v2 implemented by Oracle Identity Federation. This requires that OFS AgileREPORTER as a SAML service provider (SP) is configured with the details of Oracle Identity Federation as a SAML v2 identity provider (IdP).

The OFSAA results area database credentials are added post-installation using OFS AgileREPORTER's Configuration Manager.

For accurate SSO usage in OFS AgileREPORTER, ensure the following:

The times on the identity provider server and the OFS AgileREPORTER server are synchronized.

The identity provider uses a plain text username in the SAML assertion sent to OFS AgileREPORTER when attempting a user login.

The same username exists in OFS AgileREPORTER.

The identity provider includes the role LRM_RP_USER in the SAML assertion sent to OFS AgileREPORTER when attempting a user login.

13. Enter the database connection information and credentials for the OFS AgileREPORTER schemas with DDL (at installation) or DML (at application runtime).

NOTE: Credentials must match those defined in the schemas referenced in the Supported Databases section of Chapter 2.

Select **Oracle (SID / Service name)**. Full SQL Server support will be supplied in a later version.

AgileREPORTER Database Configuration

AgileREPORTER Database type
- ⦿ Oracle (SID / Service name)
- ○ Oracle (TNS connect string)
- ○ SQL Server (SQL Server authentication)
- ○ SQL Server (Windows / Domain authentication)

Previous   Next   Quit

Oracle (SID / Service name):

Oracle (TNS connect string):
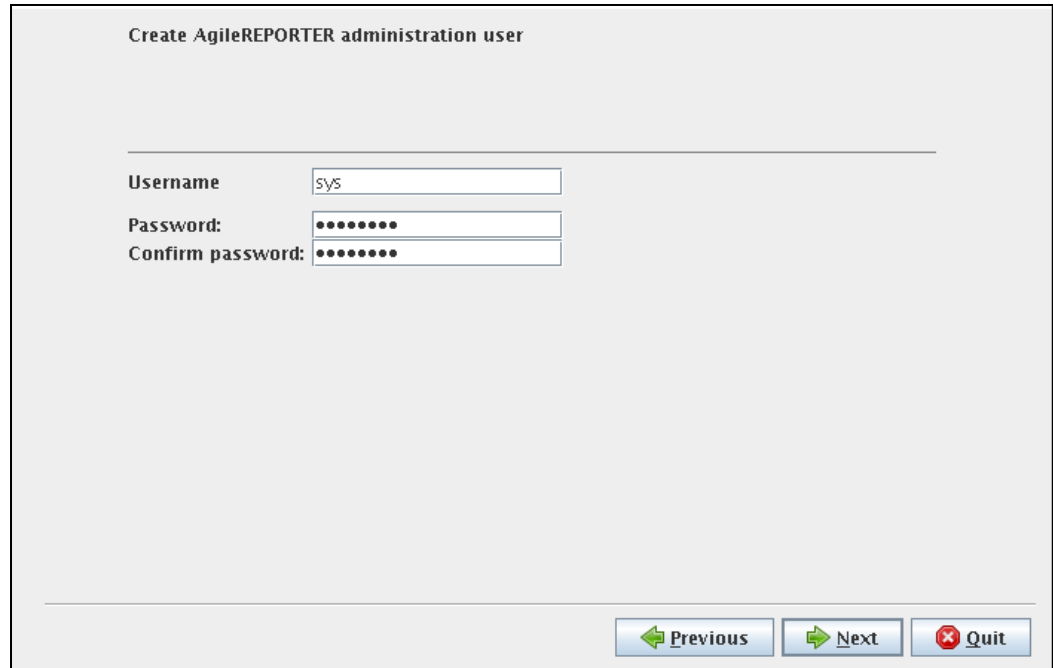
NOTE: For domain single sign-on, enter **OFS AgileREPORTER system domain**, but leave the **Domain username** and **Domain password** blank.

For domain authentication, enter **OFS AgileREPORTER system domain**, **Domain username** and **Domain password**.

14. Set up the initial **AgileREPORTER administration user** account.

NOTE: This step only appears during a fresh installation of OFS AgileREPORTER.

If Single Sign-On is enabled, the **Username** must be a valid user in the Identity Provider and the password can be left blank. This user is created as an administration user in OFS AgileREPORTER.

15. Select **Yes** for **Always validate database connection** to check if there is a firewall between the application server and database server.

16. Enter the Java minimum and maximum heap size.
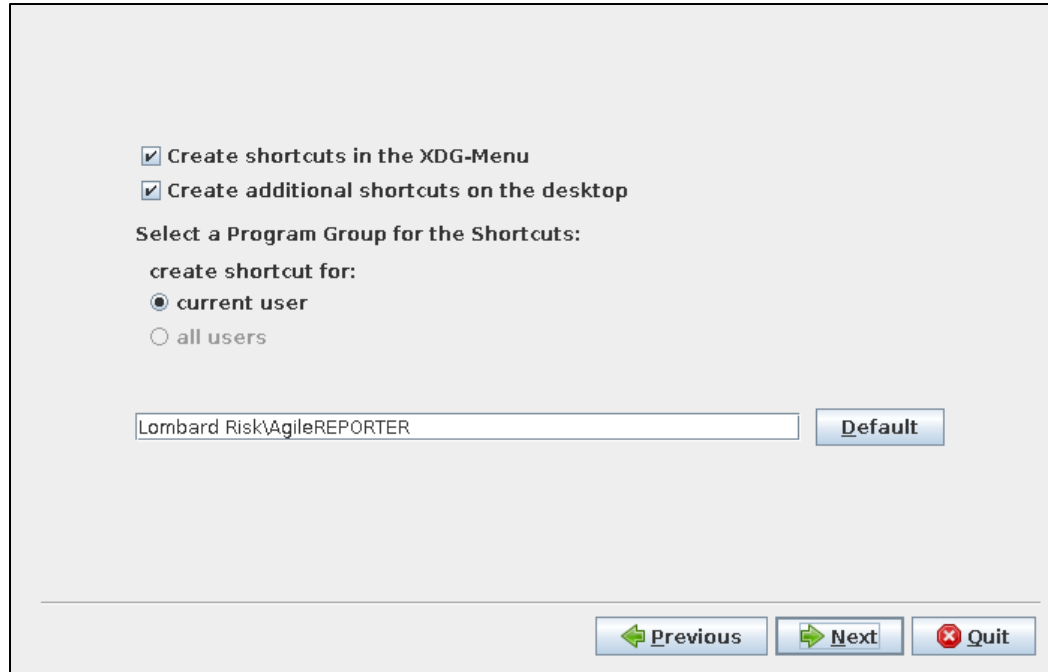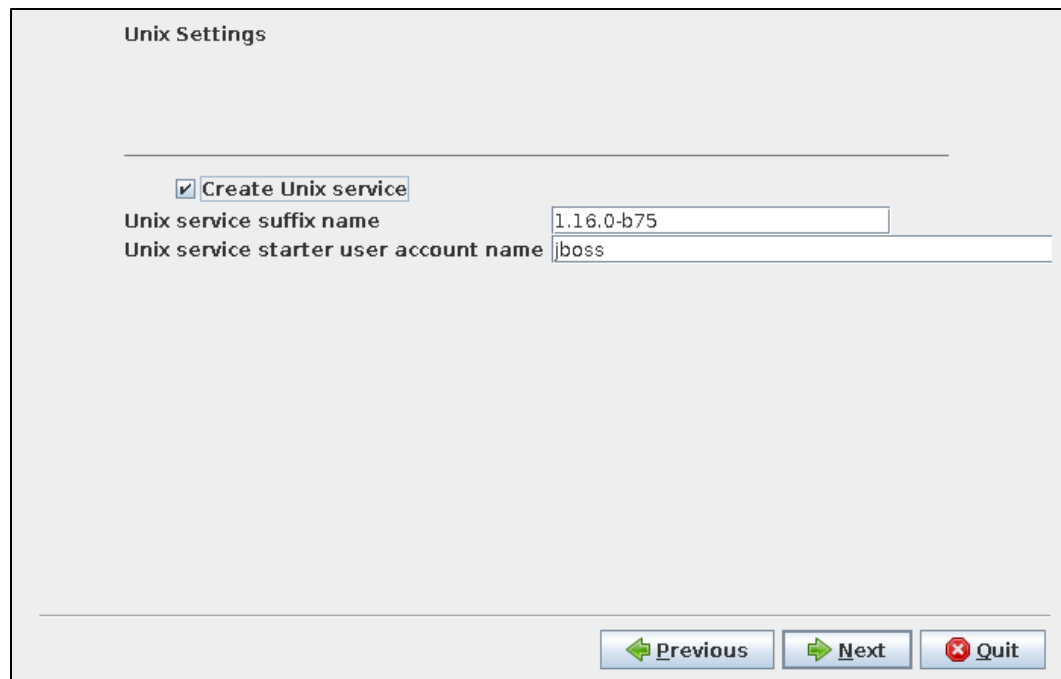
17. Select the shortcut settings if required.

18. Select **Create UNIX service** to create an UNIX service on the server where OFS AgileREPORTER is running.

    Enter the **starter user account name**, which is the Linux operating system account that starts the service.

19. Wait for unpacking and installation to complete.
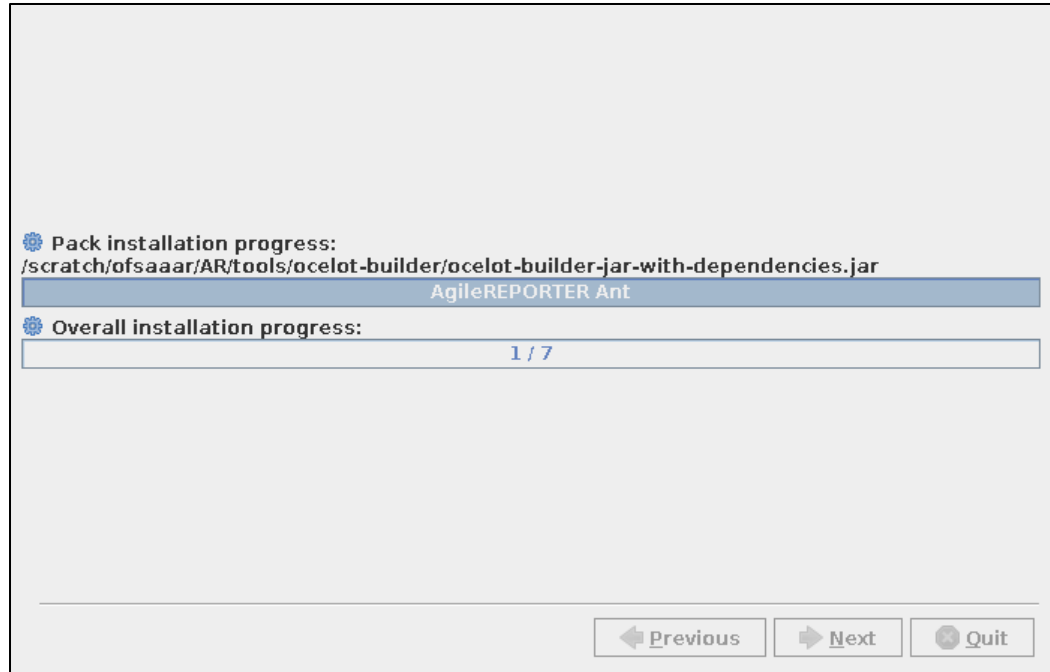
20. Select **Start AgileREPORTER now** (to open immediately) and click **Next**.

21. Click **Done** to finish the installation process.
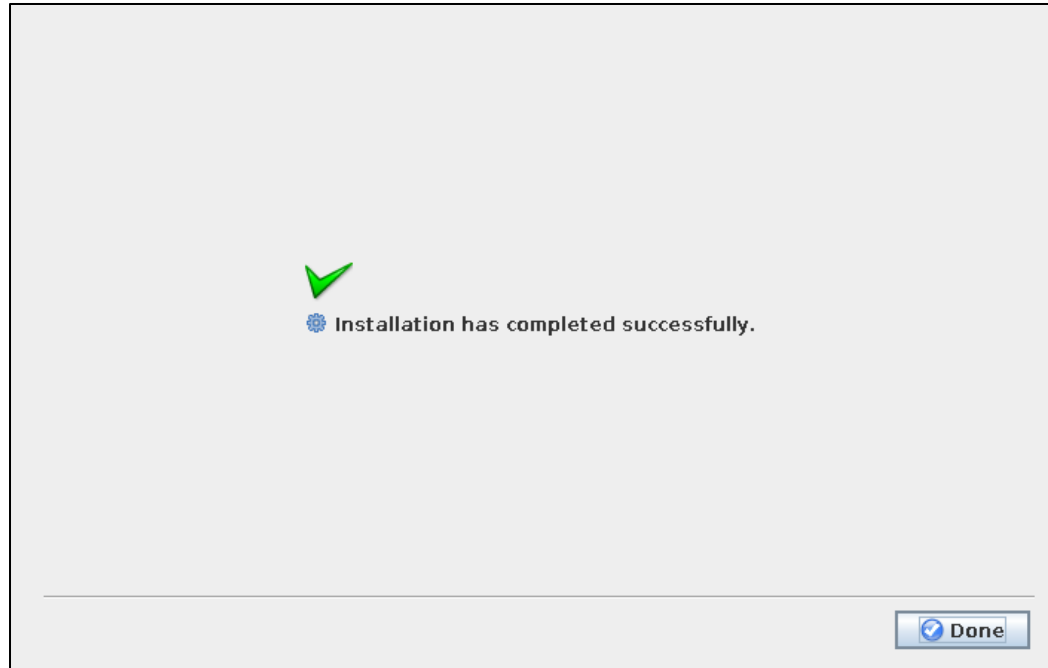
NOTE: If required, the DDL schema/login can be locked after successfully installing the OFS AgileREPORTER.

You can now try opening OFS AgileREPORTER in a web browser. For example, open Internet Explorer and enter **http(s)://<server>:<port>** or **http(s)://<server>:<port>/agilereporter**, specifying the chosen http protocol, server address and port.

3.1.2 Running the Installer in GUI Mode for Upgrade

To upgrade OFS AgileREPORTER using the installer GUI, follow these steps (click **Next** to advance after each step):

1. Repeat the section "3.1.1 Running the Installer in GUI Mode" till you specify the installation path.

2. Specify the installation path and click **Next**.

3. The subsequent GUI screens get auto-populated with the existing information and you must click **Next** to continue and complete the installation.

NOTE: After upgrading from one version of AgileREPORTER to another, any manual changes made to the AgileREPORTER configuration in the previous version must be reapplied to the configuration in the upgraded installation. For example, changes made to the **standalone.xml** file in the previous version will be overwritten when upgrading.

3.1.3 Running the Installer in SILENT Mode

NOTE: Before proceeding, ensure that all pre-installation requirements listed in Chapter 2 - Preparing for Installation are met.

You must fill the **Silent.props** file from **OFS_AGILE_REPORTER/AgileREPORTER/conf** directory before starting the installation.

The following table describes the installation properties that should be filled in the **Silent.props** Java Properties file. This file uses a standardized format consisting a key followed by an equals sign '=', followed by a value on each line.

The following characters must be appended with a backslash '\' for the Escaped version when used in keys and values:

Character Name	Character Symbol	Escaped Version
Equals	=	\=
Colon	:	\:
Backslash	\	\\

For example:

\:\=\\bin\\temp when un-escaped translates to **:=\bin\temp**.

For more information, see http://docs.oracle.com/javase/6/docs/api/java/util/Properties.html#load (java.io.Reader) or contact Lombard Risk support.

The configurable properties with a grey background are not shown in the OFS AgileREPORTER installer user interface. Please do not alter these unless instructed to do so by Lombard Risk support.

NOTE: All passwords mentioned in the **Silent.props** properties file should be encrypted. Execute the following command to encrypt all passwords using the utility **ocelot-encoding-1.2175.4.jar** under the **/utility** folder:

java –jar ocelot-encoding-1.2175.4.jar –en "password"

Property Name	Description of Property	Permissible values	Comments
ocelot.install.path	AgileREPORTER Home Directory Install Path	Not applicable	For example: **/scratch/ofsaaapp/reporter_portal**
singleLoginModel	Single Login Model	True False	Default Value is **False**. **NOTE:** Enter **True** if you want to restrict one user per session.
main.host.name	Current machine's IP address or host name	Not applicable	For example: 10.XXX.XXX.XXX

Property Name	Description of Property	Permissible values	Comments
activemq.port	AgileREPORTER jBoss AMQ Port	Not applicable	For example: **61616**.
agile.reporter.web.app	AgileREPORTER Web Application	True False	Default Value is **True**.
host.port	AgileREPORTER Web Host Port	Not applicable	For example: **8090**.
httpsMode	HTTPS/SSL Required or Not	True False	Default value is **False**. Value should be **True** only if HTTP is false. (Optional. Required only when HTTPS is used).
host.port.https	HTTPS Port	Not applicable	(Optional. Required only when HTTPS is used). Default value: **host.port.https = 0000**
did.retrieve.job	DID Retrieve Job activation	True False	Default Value is **True**.
data.schedule.export.job	Data Schedule Export Job activation	True False	Default Value is **True**.
other.brokers	Other ActiveMQ Broker activation	True False	Default Value is **False**.
other.brokers.hosts	Other ActiveMQ Broker Host Name and Port	Not applicable	For example: **10.XXX.XXX.XXX:0000**
ocelot.database.type	Ocelot Database Type	Oracle	Default value is **Oracle**.
ocelot.jdbc.url	Ocelot JDBC URL	For SID: **jdbc:oracle:thin:@IPADDRESS:PORT:SID** For Service Name: **jdbc:oracle:thin:@//IPADDRESS:PORT/SERVICE_NAME**	For example: **jdbc:oracle:thin:@10.XXX.XXX.XXX:0000:AGILERP** **jdbc:oracle:thin:@//10.XXX.XXX.XXX:0000/SERVICE_NAME**

Property Name	Description of Property	Permissible values	Comments
ocelot.jdbc.username	RP OWNER Schema User Name	Not applicable	For example: **AGILE_RPOWNER**
ocelot.jdbc.password	RP OWNER Schema Password	Not applicable	For example: **5dfc52b51bd355539bd9a0b76d a9b8e7**
ocelot.database.role name	RP Read/Write Role Name	Not applicable	For example: **AGILE_RPRW_ROLE**
ocelot.app.jdbc.user name	RP Application Schema User Name	Not applicable	For example: **AGILE_RPAPP**
ocelot.app.jdbc.passw ord	RP Application Schema Password	Not applicable	For example: **5dfc52b51bd355539bd9a0b76d a9b8e7**
check.db.valid.connect ion.enable	Database Connection Validation activation	True False	Default value: **False**
ocelot.user.name	AgileREPORTER User Interface Login User Name	Not applicable	For example: **RP Admin**
ocelot.user.password	AgileREPORTER User Interface Login Password	Not applicable	For example: **5dfc52b51bd355539bd9a0b76d a9b8e7**
ocelot.user.authenticati on.mode	Agile Reporter User Interface Login Mode	SYSTEM, SSO, LDAP	Default Value: **SYSTEM**
sso.idp.url sso.service.provider.url	Agile Reporter UI using SSO Credentials	Not applicable	Optional. Required only if **ocelot.user.authentication.mod e = SSO**
ldap.host ldap.port dap.baseDN ldap.adminDN ldap.username ldap.password ldap.search.filter ldap.userdn ldap.test.username ldap.test.password	Agile Reporter UI using LDAP Login Model	Not applicable	Optional. Required only if **ocelot.user.authentication.mod e = LDAP**

Property Name	Description of Property	Permissible values	Comments
jvm.parameters.Xms jvm.parameters.Xmx	Java Heap Memory	1024 2048	Optional. For example: **jvm.parameters.Xms = 1024** **jvm.parameters.Xmx = 2048**
ocelot.ofsaa.server	OFSAA Config Database server address	Host Name or IP address of the database server that has FSDF installed	For example: **10.XXX.XXXX.XXX**
ocelot.ofsaa.port	OFSAA Config Database server port	Database Port	For example: **1521**
ocelot.ofsaa.dbType	OFSAA database type (SID / Service name, TNS)	Oracle	Default value is **Oracle**.
ocelot.ofsaa.connectType	OFSAA connect by SID or Service name	SID Service Oracle TNS	For example: SID Service Oracle TNS
ocelot.ofsaa.instance	OFSAA SID or Service name to connect to OFSAA CONFIG schema	SID / Service name	For example: **ORACLEDB**
ofsaa.database.tns	OFSAA Connect string	Leave empty if SID or Service name is used. jdbc:oracle:thin:@(TNS String)	For example: jdbc:oracle:thin:@(DESCRIPTION=(ADDRESS=(PROTOCOL=TCP)(HOST=10.XXX.XXX.XXX)(PORT=1521))(CONNECT_DATA=(SERVER=DEDICATED)(SERVICE_NAME=RP_SVC)))
ocelot.ofsaa.username	OFSAA Config Schema Username	Not applicable	For example: **AGILE_RPCSOWNER**
ocelot.ofsaa.password	OFSAA Config Schema password	Not applicable	For example: **5dfc52b51bd355539bd9a0b76da9b8e7**
activemq.authentication.user	AgileREPORTER admin user	Not applicable	For example: rpadmin

Property Name	Description of Property	Permissible values	Comments
activemq.authenticatio n.password	AgileREPORTER admin password (encrypted)	Not applicable	For example: **5dfc52b51bd355539bd9a0b76d a9b8e7**

1. Navigate to the path where OFS AgileREPORTER installer kit unzipped.

2. Navigate to **OFS_AGILE_REPORTER/AgileREPORTER/conf** directory.

3. Rename the file **Silent.template** to **Silent.props** and update the file as explained in <u>Section 3.1.3</u>

4. Navigate to **OFS_AGILE_REPORTER/AgileREPORTER/bin** directory in console.

5. Execute **./Setup.sh SILENT** command.

If installation fails, check the log file at **<RP_HOME>/log/install.log** in your installation path.

You can now try opening OFS AgileREPORTER in a web browser. For example, open Internet Explorer and enter **http(s)://<server>:<port>/agilereporter**, specifying the chosen HTTP protocol, server address, and port.

3.1.4 Running the Installer in SILENT Mode for Upgrade

To upgrade OFS AgileREPORTER using the installer SILENT mode, follow these steps:

1. Take backup of the **ocelot.properties** file that was used for installing earlier version of AgileREPORTER and keep it for your reference to fill the **Silent.props** file.

2. Repeat the section "<u>3.1.3 Running the Installer in SILENT Mode</u>" to upgrade AgileREPORTER.

NOTE: After upgrading from one version of AgileREPORTER to another, any manual changes made to the AgileREPORTER configuration in the previous version must be reapplied to the configuration in the upgraded installation. For example, changes made to the **standalone.xml** file in the previous version will be overwritten when upgrading.

3.1.5 Verifying the Log File

The log file **install.log** can be found in the path **<RP_HOME>/log/**. The log files contain detailed summary of installation processes. It also shows the number of Fatal Errors, Errors, Debug Statements, Information, and Warnings.

4   Trial Template Package Installation

As part of AgileREPORTER installer, you are allowed to install Trial Template Packages for RBI and US FED.

4.1   Trial Template Package for US FED

OFS AgileREPORTER US FED Configuration Package Installation is a new Application, which is used for submitting the regulatory reports to the regulator.

This installer contains the following three US FED return templates:

- FR Y-9C

- FFIEC-101

- FFIEC-031

NOTE: This is trial pack installer, which can be used only for three returns. Please reach Oracle Support Services for procuring the license for complete US FED return templates.

4.2   Trial Template Package for RBI

OFS AgileREPORTER RBI Configuration Package Installation is a new application, which is used for submitting the regulatory reports to the regulator Reserve Bank of India.

This installer contains the following three RBI return templates:

- RCA3

- IRS

- RAQ

NOTE: This is trial pack installer, which can be used only for three returns. Please reach Oracle Support Services for procuring the license for complete RBI return templates.

4.3   Installing Trial Template Packages

This section describes the steps to install sample Template Packages.

1. Navigate to **/OFS_AGILE_REPORTER/Template_Packages/conf** directory.
2. Update the parameters in **params.conf** file present in the directory. The update instructions are present in the file itself.

Parameter	Description	Values
RP_HOME	Agile Reporter Home Directory Install Path.	For example: **/scratch/ofsaaapp/reporter_portal**
PACK_ID	Pack ID of Trial Template Package you want to install. **NOTE:** Only one value at a time is permitted.	List of values expected are: RBI, USFED. For example: USFED

3. Navigate to **/OFS_AGILE_REPORTER/Template_Packages/** directory and execute the command:

    chmod 755 *

4. Navigate to **/OFS_AGILE_REPORTER/Template_Packages/bin** directory.
5. Execute **install.sh** file using the following command.

    ./install.sh

6. Verify if the release is applied successfully by checking the log file generated in the installation folder. Logs can be found in **/OFS_AGILE_REPORTER/AgileREPORTER/log/** directory.

5   Start/Stop AgileREPORTER Services

This section describes the steps to start and stop the AgileREPORTER services.

5.1   Start AgileREPORTER Web Server

Following are the steps to start the AgileREPORTER Web server:

1. Navigate to the path where AgileREPORTER is installed and then go the **/bin** directory under the installed location.
2. Execute **nohup ./start.sh > rplog.txt &** command.

5.2   Stop AgileREPORTER Web Server

Following are the steps to stop the AgileREPORTER Web server:

1. Navigate to the path where AgileREPORTER is installed and then go the **/bin** directory under the installed location.
2. Execute **./stop.sh** command.

6   Error Dictionary

The content of this section has been created with the interest to help you resolve the installation issues if any. There is a compilation of all the possible errors that might arise during the installation process with the possible cause and the resolution to quickly fix the issue and proceed further with the installation.

6.1   Accessing Error Dictionary

Instead of scrolling through the document to find the error code, you can use the PDF search functionality. In the **Find** dialog available in any of the Adobe Acrobat version that you are using to view the PDF document, follow the instructions to quickly find the error resolution.

1.   With the Installation Guide PDF open, press **Ctrl+F** or select **Edit → Find**.

2.   The **Find** dialog is displayed.

3.   Enter the **error code** that is displayed on screen during infrastructure installation.

4.   Press **Enter**. The search results are displayed and highlighted as follows.

Error code - OFSAAI-1003	
Cause	JAVA_HOME/bin not found in PATH variable.
Resolution	Import <JAVA_HOME>/bin into PATH variable. Example: PATH = $JAVA_HOME/bin:$PATH export PATH.

Error Dictionary

View the details of the issues, its cause, and resolution specific to the error code. Repeat the step to find an answer to any other errors that you notice during installation. If you are not able to resolve the issue even after following the steps provided in resolution, you can contact Oracle Support Services along with log files and appropriate screen shots.

6.2   Error Code Dictionary

6.2.1   Error code - OFSAAI-1002

Cause	No proper arguments are available.
Resolution	Provide proper arguments. Invoke Setup.sh using either SILENT or GUI mode. Example: `./Setup.sh SILENT or ./Setup.sh GUI`

Oracle Financial Services AgileREPORTER Portal Installation Guide, Release 8.0.7.3.1

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