

# **Oracle Public Sector Revenue Management**

Quick Install Guide

Release 2.5.0 Service Pack 1

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## Oracle Public Sector Revenue Management Quick Install Guide

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# Preface

This guide provides an overview of installing Oracle Public Sector Revenue Management and is intended for anyone interested in the installation process. This section includes:

- [Related Documents](#)
- [Updates to Documentation](#)
- [Updates to Documentation](#)
- [Additional Resources](#)

To complete installation you should have:

- Administrative privileges on the host where you are installing the software.
- Experience installing and configuring application servers and other software.

## Related Documents

The following documentation is included with this release.

### Installation, Configuration, and Release Notes

- *Oracle Public Sector Revenue Management Release Notes*
- *Oracle Public Sector Revenue Management Quick Install Guide*
- *Oracle Public Sector Revenue Management Installation Guide*
- *Oracle Public Sector Revenue Management Database Administrator Guide*
- *Oracle Public Sector Revenue Management Licensing Information User Manual*

### User Guides

- *Oracle Public Sector Revenue Management Business User Guide*
- *Oracle Public Sector Revenue Management Administrative User Guide*

### Supplemental Documents

- *Oracle Public Sector Revenue Management Security Guide*
- *Oracle Public Sector Revenue Management Server Administration Guide*

## Updates to Documentation

Additional and updated information about the product is available from the **Knowledge Base** section of **My Oracle Support** (<http://support.oracle.com>). Please refer to **My Oracle Support** for more information. Documentation updates are also posted on the Oracle Technology Network documentation page as they become available ([http://docs.oracle.com/cd/E72219\\_01/documentation.html](http://docs.oracle.com/cd/E72219_01/documentation.html)).

## Conventions

The following text conventions are used in this document:

Convention	Meaning
<b>boldface</b>	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 supply particular values.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

## Additional Resources

For more information and support, visit the Oracle Support Web site at: <http://www.oracle.com/support/index.html>

# Chapter 1

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## Introduction

This section provides an overview of the Oracle Public Sector Revenue Management product and installation process. It contains the following sections:

- [Installation Overview](#)
- [Installation Components](#)
- [Installation Types](#)
- [Media Pack Components](#)

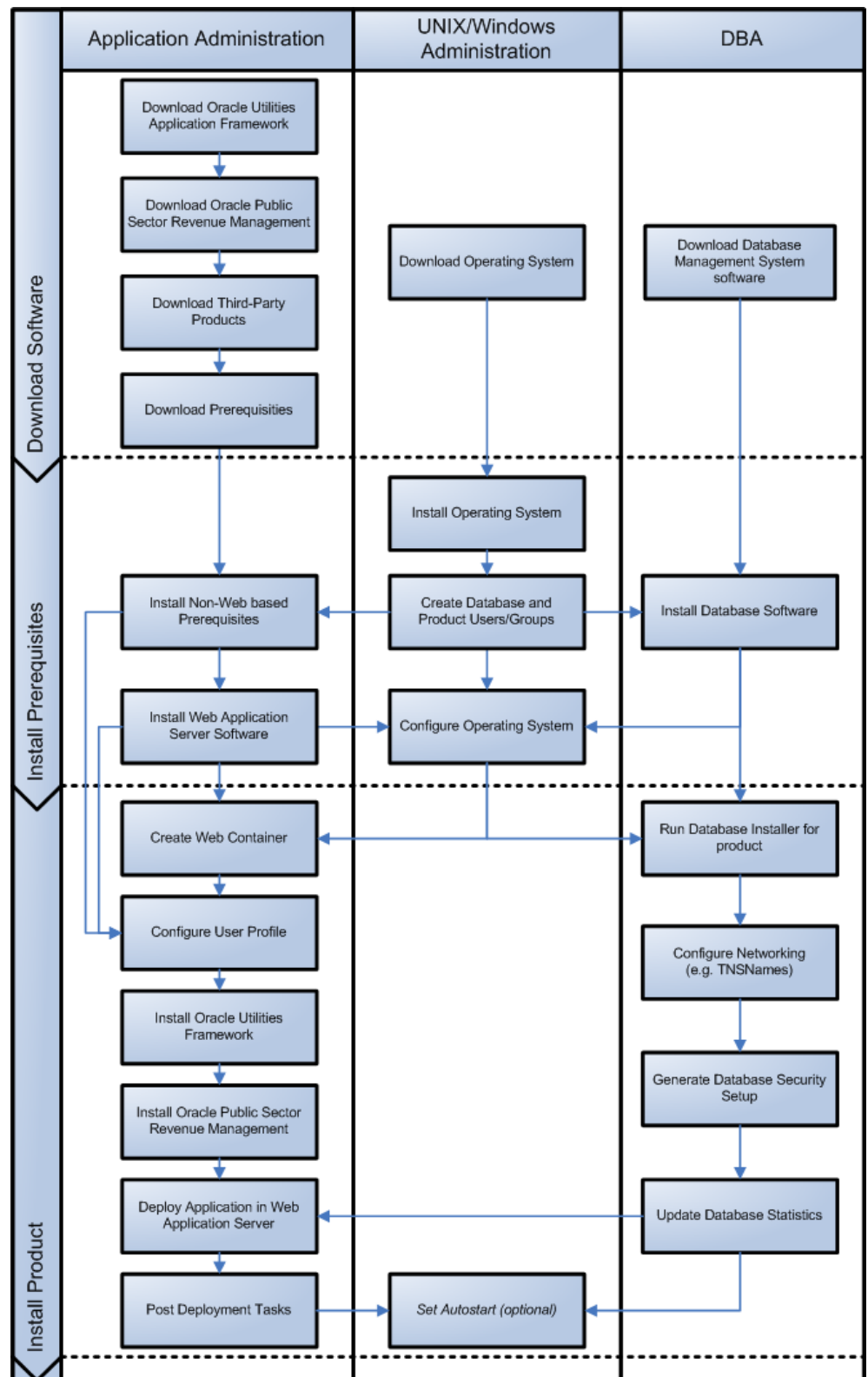
## Installation Overview

This section provides a high-level overview of the installation steps for Oracle Public Sector Revenue Management (PSRM) and selected additional software. For more information, refer to the *Oracle Public Sector Revenue Management Installation Guide*.

Installing Oracle Public Sector Revenue Management involves the following steps:

1. Review the different tiers of the application architecture as described in the [Application Architecture](#) section of the installation guide.
2. Understand the hardware requirements for installing the application and the supported platforms as described in the [Supported Platforms and Hardware Requirements](#) section of the installation guide.
3. Plan your installation as described in the [Planning the Installation](#) section of the installation guide.
4. Install all required third-party software as described in the [Installing Prerequisite Software](#) section of the installation guide.
5. Install the database as described in the *Oracle Public Sector Revenue Management Database Administrator Guide*.
6. Install Oracle Utilities Application Framework and any single fix prerequisites.
7. Install Oracle Public Sector Revenue Management.
8. Complete post installation tasks as described in the [Additional Tasks](#) section of the installation guide.
9. Generate Application Viewer items (this includes the Data Dictionary).

The following diagram provides an overview of the steps that need to be taken to install and configure Oracle Public Sector Revenue Management:



Refer to My Oracle Support for up-to-date additional information on Oracle Public Sector Revenue Management installation.



# Installation Components

The system includes the following components:

- All application processes and HTML/JSP pages that make up the user interface
- The Installation Guide, which describes the installation/upgrade process
- The latest User Documentation
- Release Notes describing functional changes for this version
- Database installation with demo data
- Database upgrade scripts
- Data Dictionary
- System Table Guide
- XAI Client Software
- Conversion Tool
- Sample Reports

## Installation Types

The first step in the installation procedure is to determine the installation type that meets your business requirements. The following are the possible installation types:

- [Initial Installation](#) - A base installation, typically used for a production environment
- [Upgrade Installation](#) - An upgrade installation from a prior release to version 2.5.0.1.0.

## Media Pack Components

The Oracle Public Sector Revenue Management Media Pack includes the following:

## Documentation Packages

- Oracle Public Sector Revenue Management v2.5.0.1.0 Quick Install Guide
- Oracle Public Sector Revenue Management v2.5.0.1.0 Release Notes
- Oracle Public Sector Revenue Management v2.5.0.1.0 Install Documentation
- Oracle Public Sector Revenue Management v2.5.0.1.0 User Documentation

## Installation Packages

- Oracle Utilities Application Framework v4.3.0.4.0 Multiplatform
- Oracle Utilities Application Framework v4.3.0.4.0 Prerequisite Single Fixes
- Oracle Public Sector Revenue Management v2.5.0.1.0 Multiplatform
- Oracle Public Sector Revenue Management v2.5.0.1.0 Oracle Database

- Oracle Public Sector Revenue Management v2.5.0.1.0 Reports
- Oracle Public Sector Revenue Management v2.5.0.1.0 Sample programs

## Application Overview

The application is split into multiple tiers:

### **Tier 1: Browser-Based Client**

The following operating system and web browser combinations are supported:

- Windows 7, 8.1 (32-bit or 64-bit) with Internet Explorer 11, Firefox 38.x.x ESR

### **Tier 2: Web Application Server**

Oracle Public Sector Revenue Management supports the following Web application servers:

- Oracle WebLogic
- IBM WebSphere Application Server

### **Tier 3: Database Server**

Oracle Public Sector Revenue Management supports the Oracle database server.

## Recommendations for Creating a Production Environment

For a production environment, Oracle recommends that you complete the Initial Installation installation type. If there is any custom configuration that needs to be migrated from a development or “gold” environment into production, the migration can be done by using the Configuration Migration Assistant (CMA). Please refer to the appendix “Configuration Migration Assistant” in the *Oracle Public Sector Revenue Management Administrative User Guide* for more details about CMA.

Oracle does not recommend creating a production environment by using the Demo Installation installation type, or by cloning an existing Demo installation.

# Chapter 2

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## Supported Platforms and Hardware Requirements

The following sections provide information on the supported platforms and requirements, including:

- [Software and Hardware Considerations](#)
- [Operating Systems and Application Servers](#)
- [Hardware and Web Browser Requirements](#)
- [Application Server Memory Requirements](#)
- [Support for Software Patches and Upgrades](#)

### Software and Hardware Considerations

There are many factors that can influence software and hardware decisions. For example, your system may have to satisfy specific performance, availability, or scalability requirements, or to support running in a language other than English. These business requirements, together with the chosen system architecture, should be used in initial software and hardware planning.

Some of the questions that you should answer before beginning the installation include:

- On which hardware platform and operating system will Oracle Public Sector Revenue Management be deployed?
- On which web server product will Oracle Public Sector Revenue Management deploy?
- On which database product will Oracle Public Sector Revenue Management deploy?
- Do you plan to deploy multiple Oracle Public Sector Revenue Management instances on the same physical server?
- How do you plan to deploy Oracle Public Sector Revenue Management?
  - Web/application/database on the same physical server
  - Web/application on one server and database on separate server
  - Each component on its own server

For detailed descriptions of various deployment architecture choices that may aid in planning, please see the document *Oracle Utilities Application Framework Architecture Guidelines*, available on My Oracle Support (Article ID 807068.1).

The final hardware and software decisions must comply with the specific requirements of Oracle Public Sector Revenue Management, as described in the rest of this chapter.

## Operating Systems and Application Servers

The table below details the MINIMUM operating system and application server combinations on which this version of Oracle Public Sector Revenue Management is supported.

Operating System and Web Browser (Client)	Operating System (Server)	Chipset	Application Server	Database
Microsoft Windows OS 7, 8.1, 10 (Internet Explorer 11, Firefox ESR 45)	AIX 7.1 TL01+ AIX 7.2 TL00+	POWER	WebLogic 12.1.3.0+ WebLogic 12.2.1.1+	Oracle 12.1.0.1+
	Oracle Linux 6.5+, 7.x (based on Red Hat Enterprise Linux)*	x86_64	WebLogic 12.1.3.0+ WebLogic 12.2.1.1+	Oracle 12.1.0.1+
	Oracle Solaris 11	SPARC	WebLogic 12.1.3.0+ WebLogic 12.2.1.1+	Oracle 12.1.0.1+
	Windows Server 2012 R2 (Not supported in production)	x86_64	WebLogic 12.1.3.0+ WebLogic 12.2.1.1+	Oracle 12.1.0.1+

Refer to the [Product Support Matrix \(Doc ID 2069391.1\)](#) on Oracle Support to determine if support for newer versions of the listed products have been added.

Please note the following:

- Version numbers marked with a "+" are the MINIMUM version supported. That version and all future 4th digit updates will be supported.

**Example:** Oracle 12.1.0.1+ means that 12.1.0.1 and any higher 12.1.0.x versions of Oracle are supported.

\* An "x" indicates that any version of the digit designed by the "x" is supported.

**Example:** Linux 7.x indicates that any version of Linux 7 (7.0, 7.1, 7.2 etc) will be supported.

### Windows Server

- Windows Server is **not** supported for Production environments. Wherever Windows Server is referenced within this guide, it is supported for Test or Development environments **only**.

### WebLogic Server

- WebLogic Server Standard and Enterprise Edition 10.3.6 are supported for both embedded and native installations. Starting at Weblogic 12.2.\*, embedded installations will be not be supported. Only the native installation will be supported.
- WebLogic Server Enterprise Edition is required if using application clustering.

- Customers must download Oracle WebLogic Server from the Oracle Software Delivery Cloud.

**Oracle VM Support**

This version of Oracle Public Sector Revenue Management is supported on Oracle VM Server for x86 for supported releases of Oracle Linux and Microsoft Windows operating systems.

Refer to My Oracle Support knowledge base article 249212.1 for Oracle's support policy on VMWare.

## Hardware and Web Browser Requirements

The following section outlines client side hardware requirements for Oracle Public Sector Revenue Management.

### Client Side Hardware Requirements

Configuration	Processor	Memory (RAM)	Monitor (Display)
Minimum	1 GHz or faster 64-bit (x64) processor	2 GB	1280x1024
Recommended*	3 GHz or faster 64-bit (x64) processor	4 GB	1280X1024

\* The Recommended configuration supports better performance of the client.

### Web Browser Requirements

The web browsers listed below are supported when used on each of the operating systems indicated:

Browsers	Windows OS
Internet Explorer 11 Firefox ESR 45	Microsoft Windows OS 7, 8.1, 10 (64-bit)

## Application Server Memory Requirements

For each application server environment a minimum of 4 GB of real memory is required, plus 6 GB of swap space. The approximate disk space requirements in a standard installation are as follows (the size represents the MINIMUM required):

Location	Size	Usage
	minimum	This is the location where the application and framework get installed. Startup, shutdown and other online log files are stored here. The size and space that is used should be monitored because various debugging options can significantly affect the size of log files.
	minimum	This location is used for storing batch log files and output from batch jobs. The size of this space should be influenced by which batches are run and how often, and the amount of debugging information that is collected.
Location of the application web work files on the web servers	minimum	This location is used by various web server vendors to expand the application. It should be considered when installing these products. Refer to the individual web server documentation to determine the location of the temporary files.
Installation Temporary Area		The application gets installed from this location. You need enough space to uncompress the files and install the application.
Oracle Data Area	4 GB minimum	This location is where the Oracle database data files are stored. The size of this space should be based on the requirements of the production environment. For an initial or demo database install 4 GB should be sufficient.

## Support for Software Patches and Upgrades

Due to the ongoing nature of software improvement, vendors will periodically issue patches and service packs for the operating systems, application servers and database servers on top of specific versions that Oracle products have already been tested against.

If it is necessary to apply an upgrade, please do so in a test environment that is running on the same platform as your production environment prior to updating the production environment itself. The exception to this is Hibernate software version 4.1.0. This version should not be upgraded.

Always contact Oracle Support prior to applying vendor updates that do not guarantee backward compatibility.

# Chapter 3

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## Planning the Installation

This section provides information for planning an Oracle Public Sector Revenue Management installation, including:

- [Before You Install](#)
- [Prerequisite Software List](#)
- [Installing Prerequisite Software](#)
- [Readiness Checklist](#)

### Before You Install

Refer to My Oracle Support for up-to-date additional information about installing Oracle Public Sector Revenue Management.

### Prerequisite Oracle Utilities Application Framework Patches

Oracle Utilities Application Framework patches must be installed prior to installing Oracle Public Sector Revenue Management. Refer to the *Oracle Public Sector Revenue Management Release Notes* for more information.

### Embedded vs Native/Clustered Installation

By default, Oracle Utilities Application Framework uses Oracle WebLogic in embedded mode. This means the Oracle WebLogic installation is essentially pointed to the product installation and the executables of Oracle WebLogic are only used to execute the code. This has the advantage of being simple and quick to implement with the Oracle Utilities Application Framework generating a simple configuration for Oracle WebLogic to use.

If you want to take advantage of more advanced WebLogic features such as high performance (multiple managed servers) and high availability (clustering) configuration, do not use the embedded install. Rather, use the native/clustered installation which



allows you to deploy the Oracle Utilities Application Framework JEE components within Oracle WebLogic, as you would with other JEE applications.

## Application Server Clustering

If you are considering application server clustering, refer to the following whitepaper, available on My Oracle Support, for additional information:

- Implementing Oracle ExaLogic and/or Oracle WebLogic Clustering (Doc ID: 1334558.1)
- Additional information about Weblogic clustering can be found at [http://docs.oracle.com/cd/E17904\\_01/web.1111/e13709/toc.htm](http://docs.oracle.com/cd/E17904_01/web.1111/e13709/toc.htm).

## Native Mode in WebLogic

If you plan on using the Oracle Utilities Application Framework in native mode within Oracle WebLogic (as opposed to embedded mode), refer to the whitepaper titled: “Native Installation Oracle Utilities Application Framework (Doc Id: 1544969.1) on My Oracle Support.

## Directory Names

Directory cannot contain whitespace characters.

## Prerequisite Software List

Before you install Oracle Public Sector Revenue Management, you must install prerequisite software.

Refer to the respective installation documentation of the software for instructions on downloading and installing.

## Prerequisite Software for Database Server

The prerequisite software for the database component of Oracle Public Sector Revenue Management is as follows:

- **Oracle Database Server 12.1.0.1+** - This is required for installing the database component of the Oracle Public Sector Revenue Management product. The following version of the database server is supported:
  - Oracle Database Enterprise Edition

**Note:** Oracle Database Enterprise Edition and the Partitioning and Advanced Compression options are strongly recommended in all situations.

## Prerequisite Software for Application Server

The prerequisite software for the application component of Oracle Public Sector Revenue Management is as follows:

- Oracle Database 12c Client
- JDK 1.8.0\_102+ (64-bit)
- Oracle WebLogic 12c (12.1.3.0+) or Oracle WebLogic 12c (12.2.1.1+)

**Note:** For 12.2.1.1+, only WebLogic Fusion Middleware Infrastructure Installer should be used.

- Hibernate 4.1.0 Final, Hibernate 5.5.4 Final

## Web Browser Requirements

The web browsers listed below are supported when used on each of the operating systems indicated:

Browsers	Windows OS
Internet Explorer 11 Firefox ESR 45	Microsoft Windows OS 7, 8.1, 10 (64-bit)

## Installing Prerequisite Software

Refer to the section “**Installing Prerequisite Software**” in the *Oracle Public Sector Revenue Management Installation Guide* for detailed instructions on installing the prerequisite software.

## Readiness Checklist

The following checklist will guide you through the installation process of Oracle Public Sector Revenue Management. The details for each step are presented in the *Oracle Public Sector Revenue Management Installation Guide*.

1. Confirm recommended hardware is ready. Refer to **Supported Platforms and Hardware Requirements** for more details.
2. Install prerequisite software, refer to **Prerequisite Software List** for more details.
3. Ensure that you have downloaded Oracle Public Sector Revenue Management components.
4. Go through the installation and configuration worksheets to understand the configuration menu.
5. Determine type of the installation:

- **Initial Installation** - For initial installation follow the instructions mentioned in Oracle Public Sector Revenue Management *Installation Guide*.
  - **Demo Installation** - For demo installation follow the instructions mentioned in Oracle Public Sector Revenue Management *Installation Guide*.
  - **Upgrade Installation** - For upgrade installation follow the instructions mentioned in Oracle Public Sector Revenue Management *Installation Guide*.
6. Perform post-installation tasks.

# Chapter 4

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## Installing Oracle Public Sector Revenue Management - Initial Installation

This section provides an overview of installing Oracle Public Sector Revenue Management as a new installation.

### Before You Install

Refer to My Oracle Support for up-to-date additional information on Oracle Public Sector Revenue Management.

## Initial Installation

The initial installation procedure consists of:

- [Database Component Installation](#)
- [Application Components Installation](#)

## Database Component Installation

Installation of the database component of Oracle Public Sector Revenue Management must be complete before you can proceed with the following sections. Refer to the “Initial Install” of the *Oracle Public Sector Revenue Management Database Administrator's Guide*, which provides instructions on installing the database component.

## Application Components Installation

Refer to the “Installing Oracle Public Sector Revenue Management - Initial Installation” section of the *Oracle Public Sector Revenue Management Installation Guide*, which provides instructions on installing the application components.

# Chapter 5

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## Upgrading Oracle Public Sector Revenue Management

This section provides an overview of upgrading Oracle Public Sector Revenue Management from a prior version to version 2.5.0.1.0.

### Before You Upgrade

Review the list of operating system, application server and database server combinations that Oracle Public Sector Revenue Management is certified to operate on, in the [Supported Platforms and Hardware Requirements](#) section.

For further assistance, contact My Oracle Support before you upgrade.

## Upgrade Installation

The initial installation procedure consists of:

- [Database Component Upgrade](#)
- [Application Components Upgrade](#)

### Database Component Upgrade

Upgrade of the database component of Oracle Public Sector Revenue Management must be complete before you can proceed with the following sections. Refer to the “Upgrade Install” section of the *Oracle Public Sector Revenue Management Database Administrator's Guide*, which provides instructions on upgrading the database component.

### Application Components Upgrade

Refer to the “Installing Oracle Public Sector Revenue Management - Upgrade Installation” section of the *Oracle Public Sector Revenue Management Installation Guide*, which provides instructions on installing the application components.

# Appendix A

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## Additional Information for Installing Other Oracle Software

Please read this section and the follow directions if you purchased a license from Oracle for Oracle WebLogic.

### Oracle WebLogic

Customers must download Oracle WebLogic Server from the Oracle Software Delivery Cloud. The version of Oracle WebLogic Server is in the Oracle Public Sector Revenue Management Supported Platforms Summary section.

**Note:** If you install a temporary license for Oracle WebLogic, please note that this license is limited to 5 non-current users. You will need to install the full license.

### Install the Oracle WebLogic License

To apply a full license you will need to complete the following steps:

1. The license keys for Oracle WebLogic products are located at:  
<http://licensecodes.oracle.com/bea.html>
2. The following products are supported: Oracle WebLogic Server Standard Edition and Oracle WebLogic Server Enterprise Edition.
3. At the time of release of this document the license key on the web site for Oracle WebLogic Server Standard Edition is BEA WebLogic Server Advantage Edition. The license key for Oracle WebLogic Server Enterprise Edition on the web site is BEA WebLogic Server Premium Edition.
4. Shut down the Oracle Public Sector Revenue Management application server.
5. Follow the instructions from the Oracle WebLogic installation document to install the license key.
6. Start the Oracle Public Sector Revenue Management application server.