This guide provides an overview of installing Oracle Utilities Operational Device Management Release 2.1.1.

**Audience**

The *Quick Installation Guide* is intended for anyone interested in the process of installing Oracle Utilities Operational Device Management.

**Related Documents**

For more information, refer to the following documents for this release:

**Installation Guides**

- Oracle Utilities Operational Device Management Release Notes
- Oracle Utilities Operational Device Management Quick Install Guide
- Oracle Utilities Operational Device Management Installation Guide
- Oracle Utilities Operational Device Management DBA Guide
- Oracle Utilities Operational Device Management License Information User Guide

**User Guides**

- Oracle Utilities Work and Asset Management and Oracle Utilities Operational Device Management Administrative Guide

**Supplemental Documents**

- Oracle Utilities Operational Device Management Server Administration Guide
- Oracle Utilities Operational Device Management Security Guide

**Conventions**

The following text conventions are used in this document:

<table>
<thead>
<tr>
<th>Convention</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>boldface</td>
<td>Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.</td>
</tr>
</tbody>
</table>
### Additional Resources

To contact Oracle support, visit the Oracle Support Web site at:

http://www.oracle.com/support/index.html
Chapter 1
Overview

This chapter provides an overview of the Oracle Utilities Operational Device Management (ODM) product and installation process.

Oracle Utilities Operational Device Management provides functionality to handle large volumes of assets and to manage the receipt, installation, maintenance, tracking and removal of those assets.


This chapter includes the following sections:

- Product Overview
- Installation Overview
- Installation Types
- Package Contents

Product Overview

The following figure provides an overview of the Oracle Utilities Operational Device Management product:

Oracle Utilities Operational Device Management is housed in the Oracle WebLogic J2EE Web Application Server. ODM has two layers: web and service. The application is accessed by using a browser to connect to the web layer.

ODM data is stored in the Oracle Database. For processing large amounts of data, ODM provides thread pool worker (batch server) that interacts with the same ODM database.
Installation Overview

Oracle Utilities Operational Device Management consists of several components, all of which need to be installed for a successful installation.

Certain prerequisite software may need to be installed before installing each of these components. Refer to Prerequisite Software List for the list of prerequisite software for each component.

The following figure details the workflow for the upgrade installation process.
The following figure details the workflow for the demo installation process.

![Diagram showing the workflow for the demo installation process.]
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:

- **Upgrade Installation** - an upgrade installation from version 2.0.1.2 to version 2.1.1.
- **Demo Installation** - a base installation with pre-populated demo data, typically used for demonstration or training purposes

Package Contents

The following documentation and installation packages are part of the product package.

This section includes information about:

- **Documentation**
  - Oracle Utilities Operational Device Management Release Notes
  - Oracle Utilities Operational Device Management Quick Install Guide
  - Oracle Utilities Operational Device Management Installation Guide
  - Oracle Utilities Operational Device Management DBA Guide
  - Oracle Utilities Operational Device Management License Information User Guide
- **User Guides**
  - Oracle Utilities Work and Asset Management and Oracle Utilities Operational Device Management Administrative Guide
- **Supplemental Documents**
  - Oracle Utilities Operational Device Management Server Administration Guide
  - Oracle Utilities Operational Device Management Security Guide
- **Installation Packages**
  - Oracle Utilities Operational Device Management v2.1.1.0 Release Notes.zip
  - Oracle Utilities Operational Device Management v2.1.1.0 Install Documentation.zip
  - Oracle Utilities Operational Device Management v2.1.1.0 Quick Install Guide.zip
  - Oracle Utilities Operational Device Management v2.1.1.0 User Documentation.zip

Note: Oracle Utilities Operational Device Management is packaged as part of the Oracle Utilities Work and Asset Management media pack.

Customers seeking to download the Oracle Utilities Operational Device Management media pack must search for and download the Oracle Utilities Work and Asset Management media pack on Oracle Software Delivery Cloud and in My Oracle Support. There is no separate Oracle Utilities Operational Device Management package to download.
Package Contents

- Oracle Utilities Operational Device Management v2.1.1.0 Supplemental Documentation.zip
- Oracle Utilities Work and Asset Management v2.1.1.0 Multiplatform.zip
- Oracle Utilities Work and Asset Management v2.1.1.0 Oracle Database Multiplatform.zip
- Oracle Utilities Application Framework v4.3.0.1.0 Multiplatform.zip
- Oracle Utilities Application Framework v4.3.0.1.0 Single Fix Prerequisite Rollup for Oracle Utilities Work and Asset Management v2.1.1.0.zip
- Oracle Utilities Work and Asset Management v2.1.1.0 Reports.zip
Chapter 2

Supported Platforms and Hardware Requirements

This installation is certified to operate on many operating system, application server and database server combinations. The following sections provide information on the supported platforms and requirements, including information on:

- Operating Systems and Application Servers
- Hardware Requirements
- Application Server Memory Requirements
- Additional Notes on Supported Platforms
- Support for Software Patches and Upgrades
The following table details the operating system and application server combinations on which this version of Oracle Utilities Operational Device Management is supported.

<table>
<thead>
<tr>
<th>Operating System and Web Browser (Client)</th>
<th>Operating System (Server)</th>
<th>Chipset</th>
<th>Application Server</th>
<th>Database</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIX 7.1</td>
<td>Power 64-bit</td>
<td>WebLogic 12.1.3.0+*</td>
<td>Oracle Database 12.1.0.1+</td>
<td></td>
</tr>
<tr>
<td>TL1</td>
<td></td>
<td>WebSphere (Basic)/WebSphere (ND) 8.5.5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Windows 7, 8.1</td>
<td>x86_64</td>
<td>WebLogic 12.1.3.0+*</td>
<td>Oracle Database 12.1.0.1+</td>
<td></td>
</tr>
<tr>
<td>(Internet Explorer 11, Firefox ESR 38)</td>
<td></td>
<td>Oracle Database 12.1.0.1+</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Red Hat Enterprise Linux</td>
<td>x86_64</td>
<td>WebLogic 12.1.3.0+*</td>
<td>Oracle Database 12.1.0.1+</td>
<td></td>
</tr>
<tr>
<td>6.x or 7.x</td>
<td></td>
<td>Oracle Database 12.1.0.1+</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(64-bit)</td>
<td></td>
<td>Oracle Database 12.1.0.1+</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oracle Solaris 11</td>
<td>SPARC 64-bit</td>
<td>WebLogic 12.1.3.0+*</td>
<td>Oracle Database 12.1.0.1+</td>
<td></td>
</tr>
<tr>
<td>(64-bit)</td>
<td></td>
<td>Oracle Database 12.1.0.1+</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Windows Server 2012 R2</td>
<td>x86_64</td>
<td>WebLogic 12.1.3.0+*</td>
<td>Oracle Database 12.1.0.1+</td>
<td></td>
</tr>
<tr>
<td>(64-bit)</td>
<td></td>
<td>Oracle Database 12.1.0.1+</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* A plus sign (+) after the fourth digit in the version number indicates that this and all higher versions of WebLogic are supported. For example, 12.1.3.0+ means that 12.1.3.0 and any higher 12.1.3.x.x versions are supported.

** Oracle Utilities Operational Device Management is tested and supported on the versions of Oracle Linux specified. Because Oracle Linux is 100% userspace-compatible with Red Hat Enterprise Linux, Oracle Utilities Operational Device Management also is supported on Red Hat Enterprise Linux for this release.

- The platforms listed above are current at the time of release. For the most current supported platforms, please refer to Oracle Utilities Product Matrix on My Oracle Support (MOS) Knowledge Article (Doc ID 1454143.1).

### Hardware Requirements

#### Client Side Hardware Requirements

<table>
<thead>
<tr>
<th>Configuration</th>
<th>Processor</th>
<th>Memory (RAM)</th>
<th>Monitor (Display)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum</td>
<td>1 GHz or faster 64-bit (x64) processor</td>
<td>2 GB</td>
<td>1280x1024</td>
</tr>
<tr>
<td>Recommended*</td>
<td>3 GHz or faster 64-bit (x64) processor</td>
<td>4 GB</td>
<td>1280X1024</td>
</tr>
</tbody>
</table>

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

Disk Space Requirements

The approximate disk space requirements in a standard installation are as follows:

<table>
<thead>
<tr>
<th>Location</th>
<th>Size</th>
<th>Usage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Install_dir Location</td>
<td>10 GB minimum</td>
<td>This location is 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.</td>
</tr>
<tr>
<td>Log Location</td>
<td>5 GB minimum</td>
<td>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.</td>
</tr>
<tr>
<td>Location of the application work files on the web servers</td>
<td>5 GB minimum</td>
<td>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.</td>
</tr>
<tr>
<td>Installation Temporary Area</td>
<td>4 GB</td>
<td>The application gets installed from this location. You need enough space to uncompress the files and install the application.</td>
</tr>
<tr>
<td>Oracle data area</td>
<td>4 GB minimum</td>
<td>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.</td>
</tr>
</tbody>
</table>

Additional Notes on Supported Platforms

**Oracle Database Server**

This version of Oracle Utilities Operational Device Management is certified on Oracle Database Server 12.1.0.1+ on the operating systems listed in the section above. The following versions of the database are supported:

- Oracle Database Enterprise Edition
- Oracle Database Standard Edition

**Oracle VM Support**

This version of Oracle Utilities Operational Device Management is supported on Oracle VM 3.2.0 and 3.3.1 for supported releases of Oracle Linux and Microsoft Windows operating systems.

**Oracle Support Policy on VMWare**

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

Planning the Installation

This chapter provides information for planning an Oracle Utilities Operational Device Management installation, including:

• Prerequisite Software List
• Installing Prerequisite Software
• Readiness Checklist

Before Installation
Refer to My Oracle Support for up-to-date additional information about installing Oracle Utilities Operational Device Management.

Prerequisite Software List

Before you install Oracle Utilities Operational Device 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 Utilities Operational Device Management is as follows:

• Oracle Database Server 12.1.0.1+ - This is required for installing the database component. The following versions of the database server are supported:
  • Oracle Database Enterprise Edition
  • Oracle Database Standard Edition

Prerequisite Software for Application Server

The prerequisite software for the application component of Oracle Utilities Operational Device Management is as follows:

• Oracle Database 12c Release 1 Client
• Java 8 Update 51+ (64-bit)
• Oracle Web Logic 12c (12.1.3.0+)
• Hibernate 4.1.0 FINAL
Web Browser Requirements

The following operating system / web browser software are supported:

- Windows 7, 8.1 with Internet Explorer 11, Firefox 31 ESR

Installing Prerequisite Software

Refer to the section “Installing Prerequisite Software” in the Oracle Utilities Operational Device 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 Utilities Operational Device Management. The details for each step are presented in the Oracle Utilities Operational Device 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 the Oracle Utilities Operational Device Management v2.1.1 components from Oracle Utilities Work and Asset Management v2.1.1 package from Oracle Software Delivery Cloud.

4. Go through the installation and configuration worksheets from the installation guide to understand the configuration menu.

5. Determine type of the installation:

   - **Upgrade** Installation - For upgrade installation from v2.0.1.1 to v2.1.1 follow the instructions mentioned in Oracle Utilities Operational Device Management Installation Guide.

   - **Demo** Installation - For demo installation follow the instructions mentioned in Oracle Utilities Operational Device Management Installation Guide.

6. Perform post-installation tasks (as applicable).
Chapter 4

Upgrading Oracle Utilities Operational Device Management

This chapter provides an overview of upgrading Oracle Utilities Operational Device Management from v2.0.1.2 to v2.1.1. This chapter includes:

- Upgrade Procedure

Before You Upgrade

Note: Before you upgrade to Oracle Utilities Operational Device Management 2.1.1, you must have version Oracle Utilities Operational Device Management v2.0.1.2 installed on your system.

Review the list of operating system, application server and database server combinations that Oracle Utilities Operational Device Management is certified to operate on, in the chapter titled Supported Platforms and Hardware Requirements.

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

Upgrade Procedure

The initial installation procedure consists of:

- Database Component Upgrade
- Application Components Upgrade

Database Component Upgrade

Upgrade of the database component of Oracle Utilities Operational Device Management must be complete before you can proceed with the following sections. Refer to the chapter “Upgrading the Oracle Utilities Operational Device Management Database” of the Oracle Utilities Operational Device Management Database Administrator’s Guide, which provides instructions on upgrading the database component.

Application Components Upgrade

To proceed with upgrading to Oracle Utilities Operational Device Management (v2.1.1) follow instructions as detailed in the chapter “Upgrading Oracle Utilities Operational Device Management” of the Oracle Utilities Operational Device Management Installation Guide.
Chapter 5

Installing Oracle Utilities Operational Device Management - Demo Installation

This chapter provides an overview of the instructions for setting up a demo application of Oracle Utilities Operational Device Management useful for demonstration or training purposes. This chapter includes:

• Demo Installation Procedure

Before You Install
Refer to My Oracle Support for up-to-date additional information on Oracle Utilities Operational Device Management.

Demo Installation Procedure

The demo installation procedure consists of:

• Database Component Installation
• Application Components Installation

Database Component Installation

Installation of the database component of Oracle Utilities Operational Device Management must be complete before you can proceed with the following sections. Refer to the chapter “Installing the Oracle Utilities Operational Device Management Database - Demo Installation” of the Oracle Utilities Operational Device Management Database Administrator's Guide, which provides instructions on installing the database component with pre-populated demo data.

Application Components Installation

Refer to the chapter “Installing Oracle Utilities Operational Device Management - Demo Installation” of the Oracle Utilities Operational Device Management Installation Guide, which provides instructions on installing the application components.