

Oracle Utilities Smart Grid Gateway

Quick Install Guide

Release 2.0.0.2

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Preface

This guide provides an overview of installing Oracle Utilities Smart Grid Gateway.

This preface contains these topics:

- **Audience**
- **Related Documents**
- **Conventions**

Audience

Oracle Utilities Smart Grid Gateway Installation Guide is intended for anyone interested in the process of installing Oracle Utilities Smart Grid Gateway.

Related Documents

For more information, see these Oracle documents:

- *Oracle Utilities Smart Grid Gateway Installation Guide*
- *Oracle Utilities Smart Grid Gateway Database Administrator's Guide*

Conventions

The following text conventions are used in this document:

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 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.

Chapter 1

Oracle Utilities Smart Grid Gateway Installation Overview

This section provides a high-level overview of the installation steps for Oracle Utilities Smart Grid Gateway (SGG) version 2.0.0 and selected additional software. For more information, see *Oracle Utilities Smart Grid Gateway Installation Guide*.

Refer to My Oracle Support for up-to-date additional information on Oracle Utilities Smart Grid Gateway installation.

Oracle Utilities Smart Grid Gateway Media Pack Contents

The Oracle Utilities Smart Grid Gateway Base Media Pack consists of the following packages:

- Oracle Utilities Smart Grid Gateway V2.0.0 Release Notes
- Oracle Utilities Smart Grid Gateway V2.0.0 Quick Install Guide
- Oracle Utilities Smart Grid Gateway V2.0.0 Install Documentation
- Oracle Utilities Smart Grid Gateway V2.0.0 User Documentation
- Oracle Utilities Smart Grid Gateway V2.0.0 Supplemental Documentation
- Oracle Utilities Application Framework V4.1.0 Multiplatform
- Oracle Utilities Application Framework V4.1.0 Single Fix Prerequisite Rollup for SGG V2.0.0
- Oracle Utilities Meter Data Framework V2.0.1.5 Multiplatform
- Oracle Utilities Smart Grid Gateway V2.0.0 Oracle Database Multiplatform

The Oracle Utilities Smart Grid Gateway Adapter for Echelon Media Pack consists of the following additional packages:

- Oracle Utilities Smart Grid Gateway Adapter for Echelon V2.0.0 User Documentation
- Oracle Utilities Smart Grid Gateway Adapter for Echelon V2.0.0 Multiplatform

The Oracle Utilities Smart Grid Gateway Adapter for Landis+Gyr Media Pack consists of the following additional packages:

- Oracle Utilities Smart Grid Gateway Adapter for Landis+Gyr V2.0.0 User Documentation
- Oracle Utilities Smart Grid Gateway Adapter for Landis+Gyr V2.0.0 Multiplatform

The Oracle Utilities Smart Grid Gateway MV-90 Adapter for Itron Media Pack consists of the following additional packages:

- Oracle Utilities Smart Grid Gateway MV-90 Adapter for Itron V2.0.0 User Documentation
- Oracle Utilities Smart Grid Gateway MV-90 Adapter for Itron V2.0.0 Multiplatform

Components for Oracle Utilities Smart Grid Gateway

The system includes the following components:

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

Network Environment Overview

The application is split into multiple tiers:

Tier 1: Browser-Based Client

The central facility in the Oracle Utilities Smart Grid Gateway browser-based client is Internet Explorer.

Operating System: Windows XP, Windows 7

The following Operating System / Web Browser software is supported:

- Windows XP SP3 or higher with Internet Explorer 7.x or 8.x
- Windows 7 with Internet Explorer 8.x

Tier 2: Web Application Server

Oracle Utilities Smart Grid Gateway supports the following Web application servers:

- Oracle WebLogic 11gR1 (10.3.3 or 10.3.4)

Note: The Adapter for Echelon requires Oracle WebLogic version 10.3.4.

Tier 3: Database Server

Oracle Utilities Smart Grid Gateway supports the following databases:

- Oracle 11gR2 (11.2.0.1) Enterprise Edition
- Oracle 11gR2 (11.2.0.1) Standard Edition

Note: Oracle Database Enterprise Edition and the Partitioning and Advanced Compression options are not mandatory but recommended. Standard Edition should only be considered suitable for very small, pilot projects or development environments where scalability, performance, and database size-on-disk are not important considerations. Oracle Database Enterprise Edition, including the Advanced Compression and Partitioning options, is strongly recommended in all other situations.

Certified and Supported Platforms

The installation has been certified to operate on many operating system, application server, and database server combinations. For the software requirements for each of these combinations, see the *Oracle Utilities Smart Grid Gateway Installation Guide*.

The following table details the browser, operating system and application server combinations on which Oracle Utilities Smart Grid Gateway 2.0.0 Adapter for Echelon has been tested and certified.

Operating System and Web Browser (Client)	Operating System (Server)	Chipset	Application Server	Database
Windows XP SP3 (IE 7.x, 8.x)	AIX 6.1 TL4 (64-bit)	POWER 64-bit	WebLogic 10.3.4	Oracle 11.2.0.1
	Oracle Linux 5.5 (64-bit)	x86_64	WebLogic 10.3.4	Oracle 11.2.0.1
	Red Hat Enterprise Linux 5.5 (64-bit)			
Windows 7 (IE 8.x)	Sun Solaris 10 Update 8 (64-bit)	SPARC	WebLogic 10.3.4	Oracle 11.2.0.1
	Windows Server 2008 R2 (64-bit)	x86_64	WebLogic 10.3.4	Oracle 11.2.0.1

The following table details the browser, operating system and application server combinations on which Oracle Utilities Smart Grid Gateway 2.0.0 Adapter for Landis+Gyr and Oracle Utilities Smart Grid Gateway 2.0.0 MV90 Adapter for Itron have been tested and certified.

Operating System and Web Browser (Client)	Operating System (Server)	Chipset	Application Server	Database
Windows XP SP3 (IE 7.x, 8.x)	AIX 6.1 TL4 (64-bit)	POWER 64-bit	WebLogic 10.3.3 WebLogic 10.3.4	Oracle 11.2.0.1
	HP-UX 11.31 Base Quality Pack September 2009 (64-bit)	Itanium	WebLogic 10.3.3 WebLogic 10.3.4	Oracle 11.2.0.1
Windows 7 (IE 8.x)	Oracle Linux 5.5 (64-bit)	x86_64	WebLogic 10.3.3 WebLogic 10.3.4	Oracle 11.2.0.1
	Red Hat Enterprise Linux 5.5 (64-bit)			
	Sun Solaris 10 Update 8 (64-bit)	SPARC	WebLogic 10.3.3 WebLogic 10.3.4	Oracle 11.2.0.1
	Windows Server 2008 R2 (64-bit)	x86_64	WebLogic 10.3.3 WebLogic 10.3.4	Oracle 11.2.0.1

The following table details the operating system and application server combinations on which the adapters for the Oracle Utilities Smart Grid Gateway Adapter for Echelon have been tested and certified.

Adapter	Operating System (Server)	Chipset	Application Server	Database
OSB Adapter for Echelon	AIX 6.1 TL4 (64-bit)	POWER 64-bit	WebLogic 10.3.4	Oracle 11.2.0.1
	Oracle Linux 5.5 (64-bit)	x86_64	WebLogic 10.3.4	Oracle 11.2.0.1
SOA Adapter for Echelon	Red Hat Enterprise Linux 5.5 (64-bit)			
	Sun Solaris 10 Update 8 (64-bit)	SPARC	WebLogic 10.3.4	Oracle 11.2.0.1
	Windows Server 2008 R2 (64-bit)	x86_64	WebLogic 10.3.4	Oracle 11.2.0.1

The following table details the operating system and application server combinations on which the adapters for the Oracle Utilities Smart Grid Gateway 2.0.0 Adapter for Landis+Gyr and Oracle Utilities Smart Grid Gateway 2.0.0 MV90 Adapter for Itron have been tested and certified.

Adapter	Operating System (Server)	Chipset	Application Server	Database
OSB Adapter for Landis+Gyr	AIX 6.1 TL4 (64-bit)	POWER 64-bit	WebLogic 10.3.3 WebLogic 10.3.4	Oracle 11.2.0.1
	HP-UX 11.31 Base Quality Pack September 2009 (64-bit)	Itanium	WebLogic 10.3.3 WebLogic 10.3.4	Oracle 11.2.0.1
OSB Adapter for MV90	Oracle Linux 5.5 (64-bit)	x86_64	WebLogic 10.3.3 WebLogic 10.3.4	Oracle 11.2.0.1
SOA Adapter for Landis+Gyr	Red Hat Enterprise Linux 5.5 (64-bit)			
	Sun Solaris 10 Update 8 (64-bit)	SPARC	WebLogic 10.3.3 WebLogic 10.3.4	Oracle 11.2.0.1
	Windows Server 2008 R2 (64-bit)	x86_64	WebLogic 10.3.3 WebLogic 10.3.4	Oracle 11.2.0.1

Note: In addition to the above certified server platforms, a 32-bit Windows version of Oracle Utilities Smart Grid Gateway 2.0.0 is available for demonstration purpose and for implementation customizations using the Software Development Kit.

Oracle Database Servers

Oracle Utilities Smart Grid Gateway 2.0.0 is supported with Oracle Database Server 11.2.0.1 on any of the operating systems listed above.

The Oracle 11.2.0.1 client is required for this version of the database server.

The following Oracle Database Server Editions are supported:

- Oracle Database Enterprise Edition
- Oracle Database Standard Edition

Note: Oracle Database Enterprise Edition and the Partitioning and Advanced Compression options are not mandatory but recommended. Standard Edition should only be considered suitable for very small, pilot projects or development environments where scalability, performance, and database size-on-disk are not important considerations. Oracle Database Enterprise Edition, including the Advanced Compression and Partitioning options, is strongly recommended in all other situations.

Oracle WebLogic Server Information

The following Oracle WebLogic Server Editions are supported:

- Oracle WebLogic Server Standard Edition
- Oracle WebLogic Server Enterprise Edition

Supported Versions

Oracle Utilities Smart Grid Gateway is supported on the following software versions:

- Oracle Utilities Application Framework (F1) version 4.1.0
- Oracle Utilities Meter Data Framework (D1) version 2.0.1.5

Supported Head-End Systems

- Echelon NES version 4.1: for use with Oracle Utilities Smart Grid Gateway Adapter for Echelon version 2.0.0
- Landis+Gyr Command Center version 4.1: for use with Oracle Utilities Smart Grid Gateway Adapter for Landis+Gyr version 2.0.0

Installing Oracle Utilities Smart Grid Gateway

For additional information on installing Oracle Utilities Smart Grid Gateway, see the Oracle Utilities Smart Grid Gateway *Installation Guide*.

To install Oracle Utilities Smart Grid Gateway V2.0.0:

1. Install all required third-party software.
2. Install database. See *Oracle Utilities Smart Grid Gateway Database Administrator's Guide* for complete details.
3. Install Oracle Utilities Application Framework V4.1.0 (Application server only).
4. Install Oracle Utilities Application Framework V4.1.0 Single Fix Prerequisite Rollup
5. Install Oracle Utilities Meter Data Framework V2.0.1.5 (Application server only).
6. Install Oracle Utilities Smart Grid Gateway V2.0.0 Adapter Components (Application server only).
 - Adapter for Echelon
 - Adapter for Landis+Gyr
 - MV90 Adapter for Itron
7. Generate Application Viewer items (this includes the Data Dictionary).

Oracle VM Support

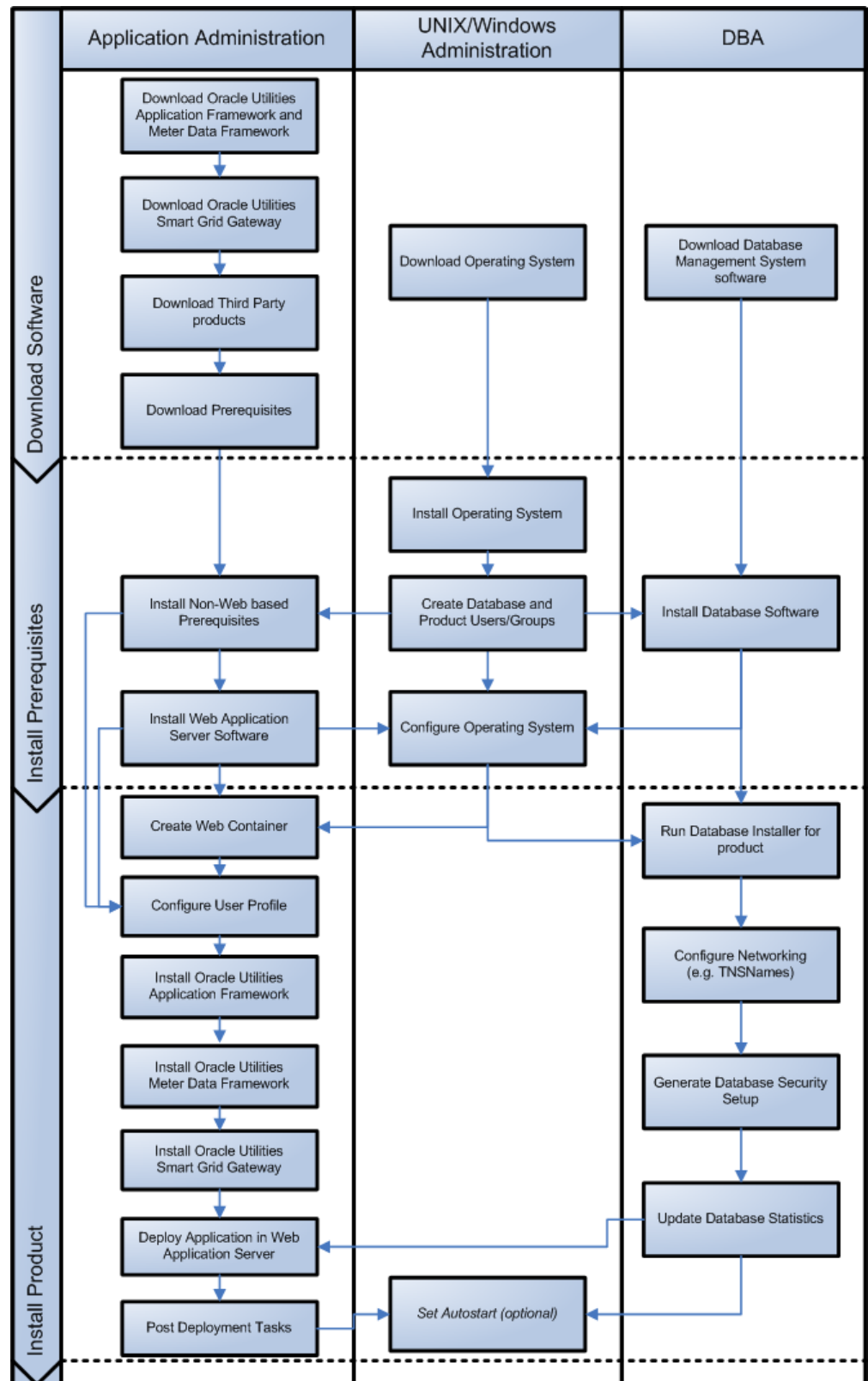
Oracle Utilities Smart Grid Gateway V2.0.0 is supported on Oracle VM 2.2.1 for supported releases of Oracle Enterprise Linux and Microsoft Windows operating systems.

Oracle Support Policy Regarding VMware

Please refer to My Oracle Support knowledge base article 249212.1 for Oracle's support policy regarding VMware.

Installation and Configuration Overview

The following diagram provides an overview of the steps that need to be taken to install and configure Oracle Utilities Smart Grid Gateway:



Additional Information for Installing Other Oracle Software

Please read this section and follow directions if you purchased a license from Oracle for any of the following products:

- Oracle WebLogic 11gR1

Oracle WebLogic 11gR1

Note: The Adapter for Echelon requires Oracle WebLogic version 10.3.4. The Adapter for Landis+Gyr and the MV90 Adapter for Itron require Oracle WebLogic version 10.3.3 or 10.3.4.

Customers must download Oracle WebLogic Server from the Oracle Software Delivery Cloud. The version of Oracle WebLogic Server is listed in the Oracle Utilities Smart Grid Gateway V2.0.0 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 Utilities Smart Grid Gateway application server.
5. Follow the instructions from the Oracle WebLogic installation document to install the license key.
6. Start the Oracle Utilities Smart Grid Gateway application server.

Contacting Oracle Support

Please follow this link <http://www.oracle.com/support/index.html> to contact Oracle Support