Oracle Utilities Network Management System

Quick Install Guide

Release 1.9.0.3

September 2011

ORACLE

Oracle Utilities Network Management System Quick Install Guide, Release 1.9.0.3

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Quick Install

This guide provides a summary overview of the installation for Oracle Utilities Network Management System as delivered by Oracle.

- This release can be used to create a new installation or to upgrade an existing installation of the Oracle Utilities Network Management System.
- The Oracle Utilities Network Management System ISIS License key requirement has been removed. If you are upgrading from a pre-NMS V1.8.x release, you are no longer required to have an ISIS key to execute the ISIS middleware.
- Please contact Oracle Support at http://www.oracle.com/support/index.html for advice about upgrading to the current release.

This guide includes the following topics:

- **Components of Oracle Utilities Network Management System**
- **Installation Media**
- **Hardware / Software Requirements**
- **Supported Platforms Summary**
- **Installation Process Overview**

Components of Oracle Utilities Network Management System

The system can include the following components:

- All Unix applications and services comprising the Oracle Utilities Network Management System
- Bundled 3rd party application software
- Optional Windows application software
- This Oracle Utilities Network Management System Quick Install Guide, which describes the software components and supported platforms
- Oracle Utilities Network Management System Installation Guide, which describes the installation process in detail
- Oracle Utilities Network Management System User, Configuration, and Adapter Documentation
- Product Release Notes
- Database configuration with base product configuration installed
- Sample network model and customer data to allow base system installation verification
- Database migration scripts for the Oracle Utilities Network Management System real-time database (needed for upgrades only)

- Database migration scripts for migration of PerformanceMart data to Oracle Utilities Business Intelligence (needed for some upgrades only)
- Base product Oracle Utilities Business Intelligence Extractors and Reports

Installation Media

All media is provided on Oracle's E-Delivery site in ZIP format for all platforms. The following media packs can be downloaded and used for installation of the Oracle Utilities Network Management System software.

- **Release Notes Media**
- **Documentation Media**
- **Base Media**
- **Optional Windows Application Media**
- **3rd Party Software Media**

Release Notes Media

This media pack contains the Oracle Utilities Network Management System Release Notes, which give an overview of the enhancements included in the current release. The release notes are also included in the Documentation Media.

Documentation Media

This media pack contains all Oracle Utilities Network Management System product documentation for the current release.

In addition to this Quick Install Guide, all product documentation is provided in one ZIP file that extracts to a **Documentation** folder with subfolders for each documentation category.

The subfolders and their content are:

- **Adapter_Guides**
  - Oracle Utilities Network Management System Adapters Guide (PDF). This guide provides details on the installation and configuration of numerous enterprise system adapters (to systems such as SCADA, AMI, GIS etc.), included with the Oracle Utilities Network Management System.
- **Configuration_Guides**
  - Oracle Utilities Network Management System Configuration Guide (PDF). This guide provides details on the configuration and implementation of the Oracle Utilities Network Management System and its environment.
- **Installation**
  - Oracle Utilities Network Management System Quick Install Guide (PDF). This is the starting point for the installation process. Please print out a copy of this document and read all pertinent sections before beginning the base software package installation.
  - Oracle Utilities Network Management System Installation Guide (PDF). This guide provides details on environment preparation, installation, and basic configuration of the Oracle Network Management System.
- **Release_Notes**
  - Oracle Utilities Network Management System Installation Release Notes (PDF). This document provides release notes that give an overview of the changes included in the current release.

- **User_Guides**
  - Oracle Utilities Network Management System User's Guide (PDF). The user's guide provides information for using the product modules and tools. The guide content is also available in the Online (HTML) Help, which may be accessed via Help menus and buttons located throughout the system.

Base Media

These are the base Oracle Utilities Network Management System products along with all product documentation. Base media package downloads are available for each hardware/operating system platform.

See the **Supported Platforms Summary** on page 1-4 for a list of supported platforms for this release.

Optional Windows Application Media

Optional Windows software applications are available in this separate Media Package. These applications include GIS Adapters and Java GUI client installers.

3rd Party Software Media

This package contains required 3rd party Unix components that are available for each Unix hardware/operating system platform. See the list of bundled 3rd party products on page 7 for a complete list.

Hardware / Software Requirements

This section provides the basic overview of the Oracle Utilities Network Management System architecture as well as the supported platforms. It includes the following topics:

- **Oracle Utilities Network Management System Architecture Overview**
- **Supported Platforms Summary**

Oracle Utilities Network Management System Architecture Overview

Tier 1: Rich Java Client

Oracle Utilities Network Management System supports the following client operating systems:

- Windows XP Professional SP3 (32-bit)
- Windows Vista Business (32-bit)

Tier 2: Java Application / Unix Services Server

Oracle Utilities Network Management System supports the following **Enterprise Java Beans** application server:

- Oracle WebLogic Application Server
- JBoss Application Server

Oracle Utilities Network Management System supports the following **Unix** and **Linux** servers:

- IBM AIX
- HP-UX

- Oracle Solaris
- Oracle Linux (with Unbreakable Enterprise Kernel)
- Red Hat Enterprise Linux
- SUSE Linux Enterprise Server

Tier 3: Database Server

Oracle Utilities Network Management System supports the Oracle RDBMS Standard Edition and Enterprise Edition Servers.

Supported Platforms Summary

This section includes the following topics:

- **Operating System, Database, and Java Application Server Support**
- **Inter-product Compatibility to Other UGBU Product Versions**
- **3rd Party Products (Bundled with release)**
- **3rd Party Products (Not bundled with release)**

Operating System, Database, and Java Application Server Support

The following table summarizes the supported platforms for Oracle Utilities Network Management System.

Operating Systems	OS Server Architecture / C++ Compiler	Supported Combinations of Database Server and Java Application Servers
Sun Solaris 5.10	SPARC 64-bit /Sun Studio 11 (v5.8, plus patches 120760-07, 120761-02, 121015-02, 121017-04, 121023-02)	• Oracle 11gR2 11.2.0.2.0 (64-bit) with WebLogic Server 10.3 • Oracle 11.1.0.7 (64-bit) with Weblogic Server 10.3 • Oracle 10.2.0.4 (64-bit) with Weblogic Server 10.3 • Oracle 11gR2 11.2.0.2.0 (64-bit) with JBoss Application Server 4.2.3.GA • Oracle 11.1.0.7 (64-bit) with JBoss Application Server 4.2.3.GA • Oracle 10.2.0.4 (64-bit) with JBoss Application Server 4.2.3.GA

Operating Systems	OS Server Architecture / C++ Compiler	Supported Combinations of Database Server and Java Application Servers
IBM AIX6.1 TL2-SP1	POWER 64-bit /IBM XL C/C++ Version: 10.01.0000.0000	• Oracle 11gR2 11.2.0.2.0 (64-bit) with WebLogic Server 10.3 • Oracle 11.1.0.7 (64-bit) with Weblogic Server 10.3 • Oracle 10.2.0.4 (64-bit) with Weblogic Server 10.3 • Oracle 11gR2 11.2.0.2.0 (64-bit) with JBoss Application Server 4.2.3.GA • Oracle 11.1.0.7 (64-bit) with JBoss Application Server 4.2.3.GA • Oracle 10.2.0.4 (64-bit) with JBoss Application Server 4.2.3.GA
Red Hat Enterprise Linux 5.2	x86 64-bit /gcc v4.1.2	• Oracle 11gR2 11.2.0.2.0 (64-bit) with WebLogic Server 10.3 • Oracle 11.1.0.7 (64-bit) with Weblogic Server 10.3 • Oracle 10.2.0.4 (64-bit) with Weblogic Server 10.3 • Oracle 11gR2 11.2.0.2.0 (64-bit) with JBoss Application Server 4.2.3.GA • Oracle 11.1.0.7 (64-bit) with JBoss Application Server 4.2.3.GA • Oracle 10.2.0.4 (64-bit) with JBoss Application Server 4.2.3.GA
Oracle Enterprise Linux 5.2	x86 64-bit /gcc v4.1.2	• Oracle 11gR2 11.2.0.2.0 (64-bit) with WebLogic Server 10.3 • Oracle 11.1.0.7 (64-bit) with Weblogic Server 10.3 • Oracle 10.2.0.4 (64-bit) with Weblogic Server 10.3 • Oracle 11gR2 11.2.0.2.0 (64-bit) with JBoss Application Server 4.2.3.GA • Oracle 11.1.0.7 (64-bit) with JBoss Application Server 4.2.3.GA • Oracle 10.2.0.4 (64-bit) with JBoss Application Server 4.2.3.GA

Operating Systems	OS Server Architecture / C++ Compiler	Supported Combinations of Database Server and Java Application Servers
HP-UX 11.31	Itanium 64-bit /HP C/aC++ B3910B A.06.15	• Oracle 11gR2 11.2.0.2.0 (64-bit) with WebLogic Server 10.3 • Oracle 11.1.0.7 (64-bit) with Weblogic Server 10.3 • Oracle 10.2.0.4 (64-bit) with Weblogic Server 10.3 • Oracle 11gR2 11.2.0.2.0 (64-bit) with JBoss Application Server 4.2.3.GA • Oracle 11.1.0.7 (64-bit) with JBoss Application Server 4.2.3.GA • Oracle 10.2.0.4 (64-bit) with JBoss Application Server 4.2.3.GA
SuSE 10 SP2	x86 64-bit /gcc v4.1.2	• Oracle 11gR2 11.2.0.2.0 (64-bit) with WebLogic Server 10.3 • Oracle 11.1.0.7 (64-bit) with Weblogic Server 10.3 • Oracle 10.2.0.4 (64-bit) with Weblogic Server 10.3 • Oracle 11gR2 11.2.0.2.0 (64-bit) with JBoss Application Server 4.2.3.GA • Oracle 11.1.0.7 (64-bit) with JBoss Application Server 4.2.3.GA • Oracle 10.2.0.4 (64-bit) with JBoss Application Server 4.2.3.GA

Note: The Java Application Server used by Oracle Utilities Network Management System does not need to be co-located with the Unix services and can run on any of the above platforms that are supported by the product vendor for that version. The Oracle RDBMS used by Oracle Utilities Network Management System does not need to be co-located with the Unix Services and can run on any of the above platforms supported by Oracle for that RDBMS version.

Inter-product Compatibility to Other UGBU Product Versions

Oracle Utilities Product	Version(s) Supported
Oracle Utilities Customer Care and Billing (CC&B)	2.2
Oracle Utilities Mobile Workforce Management (MWM)	1.5
Oracle Business Intelligence (OBI)	2.2

3rd Party Products (Bundled with release)

The following table lists all 3rd party software bundled with the Oracle Utilities Network Management System release and installed as part of the base product installation. They are contained on the 3rd Party Software Media download.

Vendor	Product	Version
Quest Software	XRT Table Widget	3.2.0
Sun	JRE	6.0 Update 12
Apache.org	Apache Xerces	2.7.0
Apache.org	Apache Xalan	1.10
TAO	TAO ORB for C++	1.5.10
CPAN	Perl	5.10.0
Python.org	Python	2.6
Genevia	Gsoap	2.7.9
Apache.org	Log4J	1.2.11
Apache.org	Apache Jakarta Commons	3.2
flex.sourceforge.net	flex	2.5.4a
flex.sourceforge.net	boost	1.34.1
Image Magick	convert	6.4.7
libpng.org	libpng	1.2.9
Independent JPEG Group	libjpeg	6b of 27-Mar-1998
Zlib	libz	1.2.3
Muller und Stien	SWordAPI	1.4
Java.net	Swing Workers	v.3
Haxx Michael Schrenk Ltd.	libcurl	7.19.1
Kai Toedter	Jcalendar	1.3.2
Singular Systems	JEP	2.24
NetCat AG	Reportcat	1.1.1
Mentor Software	CS-MAP	11.15
ZValley	WingZ	1.2.1
xmlsoft.org	libxml2	2.7.3
xmlsoft.org	libxslt	1.1.24
expat.sourceforge.net	expat	2.0.1
CPAN	Tcl / tk	8.5.5
sqlite.org	libsqlite	3.3.17

3rd Party Products (Not bundled with release)

The following table lists 3rd party software required for specific product modules of the Oracle Utilities Network Management System release but not bundled with the released software. These products must be separately installed by the end user as part of the base product installation. Some products also require separate licenses as noted.

Vendor	Product	Version	Notes
Oracle	Oracle 11g EE	11.2.0.2.0 or 11.1.0.7.0	Needed for core NMS Product
Oracle	Oracle 10g EE	10.2.0.4.0	Needed for core NMS Product
Oracle	Discoverer	10.1	Used for Business Intelligence Reports
Oracle	BI Publisher	10.1.3.4	Used for Business Intelligence Reports & Web Switching Printing
Oracle	Oracle Weblogic Server	10.3	Used by Java GUI components and web-service based interfaces
Business Objects	Business Objects	Version XI, Release 2	Used for Business Intelligence Reports
Hummingbird	Exceed	2008	Used by X/Motif client applications
Hummingbird	ExceedonDemand	6	Used by X/Motif client applications
IBM	MQSeries	6.0	Needed for Generic WebSphere MQ Adapters
LiveData	ICCP	V5.01.109	Needed for ICCP SCADA Adapter
Sun	JRE	6.0 Update 12	Used by Java GUI components and web-service based interfaces
HP	JRE	Java version: 1.6.0.02	Used by Java GUI components and web-service based interfaces
IBM	JRE	Java version: pap6460sr2-20080818	Used by Java GUI components and web-service based interfaces
Microsoft	Internet Explorer	6.0, 7.0	Only needed if using Java Webstart to download Java client applications
oopsla university	html2ps	1.065	Used for printing from X/Motif applications

Vendor	Product	Version	Notes
Jboss.org	Jboss	4.2.3.GA	Used by Java GUI components and web-service based interfaces
ESRI	ArcGIS/ArcFM on SDE or Personal GDBs in Access	9.0, 9.1, 9.2, 9.3	ESRI GIS
Intergraph	G/Electric GIS	9.3.x	Intergraph GIS
GE	Smallworld GIS	3.x or 4.x	SmallWorld GIS

Notes on non-NMS Oracle and 3rd Party Products:

- Oracle RDBMS Enterprise and Standard Editions, Oracle WebLogic Server Standard Edition, Oracle BI Publisher, and Oracle Discoverer are separately licensed modules from Oracle
- WebSphere MQ, and LiveData ICCP all require separate 3rd party licenses to be acquired by Oracle customers
- Oracle Discoverer or Oracle BI Publisher can be used for Standard Oracle Utilities Network Management System Business Intelligence reports.

Installation Process Overview

This section provides a high level overview of the basic steps to install the Oracle Utilities Network Management System software.

Install Database

Oracle Utilities Network Management System supports the Oracle Relational Database Management System (RDBMS). The RDBMS must be properly installed and configured prior to using the Oracle Utilities Network Management System software. Please refer to the Oracle RDBMS documentation for details on installing the database software. Please see the Database Configuration chapter of the Oracle Utilities Network Management System Configuration Guide for detailed information on the setup and configuration of the Oracle RDBMS for use with the Oracle Utilities Network Management System software.

Install 3rd Party Software

Please refer to the Oracle Utilities Network Management System Installation Guide for details of installing the bundled and unbundled 3rd party products needed for proper execution of the application software. The bundled software will be installed with Oracle-supplied scripts, while other Oracle and 3rd party products may need to be downloaded or installed from other vendor-supplied media.

Install Oracle Utilities Network Management Software

Please refer to the Oracle Utilities Network Management System Installation Guide for details of installing the application software. Some steps included in the install guide require specific actions based on the Unix operating system or Java Application server that you will be using. Pay special attention to follow each step exactly as documented in the installation guide.

Configure Oracle Utilities Network Management System Components

Please refer to the Oracle Utilities Network Management System Configuration Guide for details of configuring the various components of your Oracle Utilities Network Management System.