

Oracle® Database

Examples Installation Guide

11g Release 2 (11.2)

E10846-01

August 2009

This document describes how to install and configure the products available on the Oracle Database Examples media. It includes the following sections:

- [Products Available on the Oracle Database Examples Media](#)
- [Requirements for Oracle Database Examples](#)
- [Download Oracle Database Examples](#)
- [Documentation Accessibility](#)

Products Available on the Oracle Database Examples Media

The following sections describe the products that are installed. You must install these products in an existing Oracle Database 11g Release 2 (11.2) Oracle home:

- [Oracle Database Examples](#)
- [Oracle JDBC Development Drivers](#)
- [Oracle Text Knowledge Base](#)

Note: The Summary screen provides a detailed list of Oracle Examples to be installed into an existing Oracle Database 11g Oracle home.

Oracle Database Examples

Oracle Database Examples include a variety of examples and product demonstrations that you can use to learn about the products, options, and features of Oracle Database. Many of these examples are designed to work with the Sample Schemas, which you can install in any Oracle Database. Many of the documents in the Oracle Documentation Library use the example programs and scripts provided with the Oracle Database Examples.

This section contains the following topics:

- [Required Products](#)
- [Oracle COM Automation Feature Demos](#)
- [Oracle Data Mining Demos](#)
- [Oracle Globalization Support Demos](#)
- [Oracle Message Gateway Common Companion Files](#)

- [Oracle Multimedia Demos](#)
- [Oracle Precompiler Demos](#)
- [Oracle Spatial Demos](#)
- [Oracle SQLJ Demos](#)
- [Oracle XML Demos](#)
- [Oracle ODBC Companion](#)

Required Products

Before you can use the Oracle Database Examples, you must install the Sample Schemas in an Oracle Database. When you install Oracle Database, or use Database Configuration Assistant to create a new database, you can choose to include the Sample Schemas when you create the database. You can also manually install the Sample Schemas in an existing database.

See Also: *Oracle Database Sample Schemas* for information about manually installing the Sample Schemas in an existing database

Oracle COM Automation Feature Demos

Oracle COM Automation Feature for PL/SQL and Java includes examples that demonstrate how to use the feature to build solutions. These demos provide base functionality and can serve as a foundation to build more customized, complex applications that use COM Automation. The demos are based on the human resources schema available with the sample schema. Each demo exposes a core set of APIs that enables you to do simple operations using COM Automation. Each COM Automation server, such as Word and Excel, provides more advanced capabilities than what is offered through the demo APIs. To take advantage of these advanced features, you must design and code your own PL/SQL procedures or Java classes.

See Also: Chapter 4, "Oracle COM Automation PL/SQL Demos" and Chapter 5, "Oracle COM Automation Java Demos" in *Oracle COM Automation Feature Developer's Guide* for more information about these demos

Oracle Data Mining Demos

Oracle Data Mining Demos include Data Mining sample programs that can help you in learning about Oracle Data Mining APIs. The programs illustrate typical approaches to data preparation, algorithm selection, algorithm tuning, testing, and scoring. Each program creates a mining model in the database. All the programs include extensive inline comments to help you understand the code.

See Also: Chapter 7, "The Data Mining Sample Programs" in *Oracle Data Mining Administrator's Guide* for more information about these demos

Oracle Globalization Support Demos

Oracle Globalization Demos showcase the features and APIs of the Oracle Globalization Development Kit (GDK), which offers a complete framework to ease the development of globalized internet applications. The GDK Example demo illustrates individual functionalities such as locale-sensitive data formatting, linguistic sorting, locale mapping, locale determination, and language detection. The Oracle Store demo

illustrates how the GDK features can be integrated to build a complete multilingual J2EE web application that serves users with vastly different locale preferences.

See Also: Chapter 8, "Oracle Globalization Development Kit" in *Oracle Database Globalization Support Guide* for more information about these demos

Oracle Message Gateway Common Companion Files

Oracle Messaging Gateway enables communication between applications based on non-Oracle messaging systems and Oracle Streams AQ. Oracle Streams AQ provides propagation between two Oracle Streams AQ queues to enable e-business (HTTP through IDAP). Messaging Gateway extends this to applications based on non-Oracle messaging systems. The samples provided for Messaging Gateway illustrate message propagating with Oracle AQ, WebSphere MQ Series, and Tibco Rendezvous using message formats that include JMS, LCR, and XML.

There are seven different samples provided with Messaging Gateway, each located in their own subdirectory. Each sample includes a README file that contains detailed information for setting up and executing the samples.

Oracle Multimedia Demos

Oracle Multimedia (formerly Oracle *interMedia*) is a feature that enables Oracle Database to store, manage, and retrieve images, audio, video, or other heterogeneous media data in an integrated fashion with other enterprise information. Oracle Multimedia extends Oracle Database reliability, availability, and data management to multimedia content in traditional, Internet, electronic commerce, and media-rich applications. It includes a number of scripts and sample applications that you can use. These consist of OCI, SQL, Java, PL/SQL, and ASP/VBScript sample applications (demos).

See Also: Appendix A, "Oracle Multimedia Sample Applications" in *Oracle Multimedia User's Guide* for more information about these demos

Oracle Precompiler Demos

Oracle Precompiler Demos show application programmers how to embed SQL operations in C/C++ and COBOL code in a way that is compatible with ANSI standard. A Pro*C program is a C program containing embedded SQL statements. Oracle Pro*C/C++ and Pro*COBOL Demos offer extensions to support dynamic SQL operations, which are operations that can change in real time. It is also possible to use dynamic SQL operations through PL/SQL code (known as anonymous PL/SQL block) with a Pro*C/C++ and Pro*COBOL application. Typical applications contain much more static SQL than dynamic SQL. The precompiler translates each embedded SQL statement into calls to the Precompiler runtime library (SQLLIB).

See Also:

- Appendix G, "Sample Programs" in *Pro*C/C++ Programmer's Guide*
- "Sample Programs" in *Pro*COBOL Programmer's Guide*

Oracle Spatial Demos

Oracle Spatial is an integrated set of functions and procedures that enables spatial data to be stored, accessed, and analyzed quickly and efficiently in an Oracle database. Spatial data represents the essential location characteristics of real or conceptual

objects as those objects relate to the real or conceptual space in which they exist. Oracle Spatial Demos provide SQL schema and functions that facilitate the storage, retrieval, update, and query of collections of spatial features in an Oracle database.

See Also:

- "Spatial Examples" in *Oracle Spatial Developer's Guide*
- "GeoRaster PL/SQL Demo Files" in *Oracle Spatial GeoRaster Developer's Guide*
- "Network Data Model Documentation and Demo Files" in *Oracle Spatial Topology and Network Data Models Developer's Guide*

Oracle SQLJ Demos

Oracle SQLJ Demos show application programmers how to embed SQL operations in Java code in a way that is compatible with the Java design philosophy. A SQLJ program is a Java program containing embedded SQL statements. Oracle SQLJ Demos offer extensions to support dynamic SQL operations, which are operations that can change in real time. It is also possible to use dynamic SQL operations through JDBC code or PL/SQL code within a SQLJ application. Typical applications contain much more static SQL than dynamic SQL. SQLJ consists of both a translator and a run-time component and is smoothly integrated into the development environment.

See Also: *Oracle Database SQLJ Developer's Guide and Reference* for more information about these demos

Oracle XML Demos

Oracle XML Demos showcase the features of the Oracle XML Developer's Kit (XDK), which is a versatile set of components that enables you to build and deploy C, C++, and Java software programs that process XML.

See Also:

- "Running the JavaBean Demo Programs" in *Oracle XML Developer's Kit Programmer's Guide*
- "Using the XML C++ Class Generator Examples" in *Oracle XML Developer's Kit Programmer's Guide*
- "Using the XML Parser Command-Line Utility: Example" in *Oracle XML Developer's Kit Programmer's Guide*

Oracle ODBC Companion

Oracle ODBC Driver demos provide basic structure of an ODBC application which can be extended to make a full-fledged ODBC application. ODBC being a standard, plenty of sample applications may be found in books which discuss the concept of ODBC driver. For Oracle ODBC Driver specific options, see Help while setting up Data Source Name on Windows.

See Also: "Using Oracle ODBC Driver" in *Oracle Database Administrator's Reference for Linux and UNIX* for more information about these demos

Oracle JDBC Development Drivers

Oracle provides a set of JDBC drivers that you can use for debugging the code and other deployment scenarios. These drivers can access Oracle Database release 8.1.7 or later.

Oracle Text Knowledge Base

Oracle Database Examples media installs two Oracle Text knowledge bases, English and French. You can extend the supplied knowledge bases depending on your requirements. Alternatively, you can create your own knowledge bases, in languages other than English and French.

See Also: *Oracle Text Reference* for more information about creating and extending knowledge bases

Requirements for Oracle Database Examples

The requirements for installing Oracle Database Examples are as follows:

- [Access to Oracle Database](#)
- [Free Disk Space](#)

Access to Oracle Database

Before you install products from the Oracle Database Examples media, you must ensure that your system has access to an Oracle Database 11g Release 2 (11.2) Oracle home. If required, you must first install or upgrade to this release of Oracle Database.

See Also: *Oracle Database Installation Guide* for information about installing Oracle Database

Identify the Oracle home directory used by the Oracle Database installation.

On UNIX platforms, check the contents of the `oratab` file by using the following command:

```
# more /etc/oratab
```

On Windows platforms:

1. From the Start menu, choose **Programs**, then **Oracle - HOME_NAME**, then **Oracle Installation Products**, then **Universal Installer**.
2. When the Welcome screen appears, click **Installed Products**.
The Inventory screen appears, listing all of the Oracle homes on the system and the products installed in each Oracle home.
3. On the Inventory screen, expand each Oracle home and locate **Oracle Database 11g**.
4. Click **Close** and then **Cancel** to exit Oracle Universal Installer.

Free Disk Space

Verify that the file system that contains the Oracle home directory has at least 650 MB of free disk space on UNIX and at least 575 MB of free disk space on Windows.

On UNIX platforms:

Use the `df -k oracle_home_path` command to check that the Oracle home directory has enough space.

`oracle_home_path` is the directory where Oracle home is installed.

On Windows:

1. Double-click **My Computer**.
2. Right-click the drive where the Oracle software is to be installed.
3. Select **Properties**.

Download Oracle Database Examples

This section describes how to download Oracle Database Examples on your computer to a location other than Oracle Database 11g Release 2 (11.2) Oracle home.

1. Go to the Oracle Database 11g download page on Oracle Technology Network:
<http://www.oracle.com/technology/software/products/database/index.html>
2. Select the **See All** link, and then select the Oracle Database Examples zip file under the heading Oracle Database 11g Examples (formerly Companion).
For example, for Linux x86, select `linux_11gR2_examples.zip`.

Install Oracle Database Examples

You must install Oracle Database Examples in an existing Oracle Database 11g Release 2 (11.2) Oracle home.

To install Oracle Database Examples:

1. Log in as Administrator on the computer where Oracle Database is installed.
On UNIX platforms, log in as the Oracle software owner user (`oracle`) and set the `DISPLAY` environment variable.
On Windows platforms, log in as a member of the Administrators group to the computer on which you want to install Oracle components.
If you are installing on a Primary Domain Controller (PDC) or a Backup Domain Controller (BDC), log on as a member of the Domain Administrators group.
2. Verify that the Oracle Database that you plan to use is accessible and running.
3. Navigate to the directory where you downloaded the installation files and run the following command to start Oracle Universal Installer:
On UNIX platforms:

```
$ ./runInstaller
```


On Windows platforms:
Double-click `setup.exe`.
4. If this is the first installation of Oracle products on this UNIX system, then Oracle Universal Installer displays the Specify Inventory Directory and Credentials screen. Specify the following information, and then click **Next**:
 - Enter the full path of the inventory directory:

Verify that the path is similar to the following, where *oracle_base* is the value you specified for the ORACLE_BASE environment variable:

oracle_base/oraInventory

- Specify operating system group name:
Verify that the group specified is the Oracle Inventory group, *oinstall*.

5. On the Specify Installation Location screen, enter the following:

- Oracle Base: The Oracle base directory is a top-level directory for Oracle software installations. The Oracle base path appears by default. You can change the path based on your requirement.
- Software Location: In the Software Location field, enter the full path where you want to install Oracle Database Examples. You must install Oracle Database Examples in an existing Oracle home.

See Also: "[Access to Oracle Database](#)" on page 5 for information about finding the Oracle home

If Oracle Real Application Clusters (RAC) is installed in the Oracle home that you select, then Oracle Universal Installer displays the Selected Nodes screen. Click **Next** to continue.

Note: On an Oracle RAC installation, the software is installed on all the cluster nodes.

6. On the Perform Prerequisite Checks screen, check for and correct any errors that may have occurred while Oracle Universal Installer was checking your system. If you click **Check Again**, then you can run the prerequisite check again to see if the minimum requirements are met to carry on with the installation. Click **Fix & Check Again**, if you want the installer to fix the problem and check the system requirements again.

Note: The Fix & Check Again option generates a script (UNIX only) that sets some of the system parameters to Oracle-recommended values. You must run the script as the *root* user. Oracle recommends that you do not modify the contents of this script.

From the list, select one of the following options:

- Show Failed: To get a failed prerequisites list.
- Show All: To get a list of all the prerequisite checks run.
- Show Succeeded: To get a list of the prerequisite checks that were successful.

7. Review the information displayed on the Summary screen. Click **Save Response File** if you want to save all the installation steps into a response file

Click **Finish**.

8. The Install Product screen appears when the product is installing. Installation operations include executing actions such as file copy and adding services on

Windows systems and linking on UNIX systems, and executing decision points and calculations.

9. The Finish screen appears when the installation is completed.

Click **Close** to exit from Oracle Universal Installer.

Documentation Accessibility

Our goal is to make Oracle products, services, and supporting documentation accessible to all users, including users that are disabled. To that end, our documentation includes features that make information available to users of assistive technology. This documentation is available in HTML format, and contains markup to facilitate access by the disabled community. Accessibility standards will continue to evolve over time, and Oracle is actively engaged with other market-leading technology vendors to address technical obstacles so that our documentation can be accessible to all of our customers. For more information, visit the Oracle Accessibility Program Web site at <http://www.oracle.com/accessibility/>.

Accessibility of Code Examples in Documentation

Screen readers may not always correctly read the code examples in this document. The conventions for writing code require that closing braces should appear on an otherwise empty line; however, some screen readers may not always read a line of text that consists solely of a bracket or brace.

Accessibility of Links to External Web Sites in Documentation

This documentation may contain links to Web sites of other companies or organizations that Oracle does not own or control. Oracle neither evaluates nor makes any representations regarding the accessibility of these Web sites.

Deaf/Hard of Hearing Access to Oracle Support Services

To reach Oracle Support Services, use a telecommunications relay service (TRS) to call Oracle Support at 1.800.223.1711. An Oracle Support Services engineer will handle technical issues and provide customer support according to the Oracle service request process. Information about TRS is available at <http://www.fcc.gov/cgb/consumerfacts/trs.html>, and a list of phone numbers is available at <http://www.fcc.gov/cgb/dro/trsphonebk.html>.

Oracle Database Examples Installation Guide, 11g Release 2 (11.2)
E10846-01

Copyright © 2009, Oracle and/or its affiliates. All rights reserved.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this software or related documentation is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, the following notice is applicable:

U.S. GOVERNMENT RIGHTS Programs, software, databases, and related documentation and technical data delivered to U.S. Government customers are "commercial computer software" or "commercial technical data" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, the use, duplication, disclosure, modification, and adaptation shall be subject to the restrictions and license terms set forth in the applicable Government contract, and, to the extent applicable by the terms of the Government contract, the additional rights set forth in FAR 52.227-19, Commercial Computer Software License (December 2007). Oracle USA, Inc., 500 Oracle Parkway, Redwood City, CA 94065.

This software is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications which may create a risk of personal injury. If you use this software in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure the safe use of this software. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software in dangerous applications.

Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

This software and documentation may provide access to or information on content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.

