Oracle® Database

Examples Installation Guide

This document describes how to install and configure the products available with Oracle Database Examples.

- Products Available with Oracle Database Examples
- Preinstallation Considerations
- Accessing the Installation Software
- About Installing Oracle Database Examples
- Documentation Accessibility
- Diversity and Inclusion
- Conventions
- Set Up Java Access Bridge to Implement Java Accessibility

Products Available with Oracle Database Examples

These sections describe the products that are installed.

You must install the following products in an existing Oracle Database 23ai Oracle home:

- Oracle Database Examples
- Oracle Text Knowledge Base

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 documents in the Oracle Documentation Library use the example programs and scripts provided with the Oracle Database Examples.

This section contains the following topics:

- About Oracle Data Mining Demos
- About Oracle Globalization Support Demos
- About Oracle Precompiler Demos
- About Oracle Spatial and Graph Demos
- About Oracle Internet Directory Client Demos
- About Oracle XML Demos
- About Oracle Call Interface Demos
- About Oracle C++ Call Interface Demos
- About Oracle ODBC Companion

About 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 Data Mining sample 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.

About Oracle Globalization Support Demos

Oracle Globalization Demos showcase the features and APIs of the Oracle Globalization Development Kit.

Oracle Globalization Development Kit (GDK) 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.

About 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 run-time library (SQLLIB).

About Oracle Spatial and Graph Demos

Oracle Spatial and Graph Demos provide SQL schema and functions that facilitate the storage, retrieval, update, and query of collections of spatial features in an Oracle database.

Oracle Spatial and Graph 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.

About Oracle Internet Directory Client Demos

Oracle Internet Directory Client Demos show application programmers how to use LDAP C and PL/SQL APIs.

All LDAP operations based on the C API, require clients to establish an LDAP session with the LDAP server. For LDAP operations based on the PL/SQL API, a database session must first initialize and open an LDAP session. The DBMS_LDAP package enables PL/SQL applications to access data located in LDAP servers. The names and syntax of the function calls are similar to those of the C API.

About 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.

About Oracle Call Interface Demos

Oracle Call Interface (OCI) demos include sample C programs to use the OCI APIs.

These programs provide examples of the data types, calling conventions, syntax, and semantics of C.

About Oracle C++ Call Interface Demos

Oracle C++ Call Interface (OCCI) demos provide database access APIs for applications written in C++. The control classes enable the applications to connect to the database and create resources like statements and resultsets. The data classes contain various types of data. The object classes and methods provide a navigational interface to access and manipulate objects. The Object Type Translator (OTT) can be used to generate the C++ class headers for the data types defined in Oracle database. The installed demos illustrate the use of classes and methods for OTT and OCCI.

About 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.

Oracle Text Knowledge Base

Oracle Database Examples install 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.

Preinstallation Considerations

The requirements for installing Oracle Database Examples are as follows:

- Free Disk Space
- Required Products

Free Disk Space

Verify that the file system that contains the Oracle home directory has at least:

- 800 MB of free disk space on UNIX systems.
- 5.43 GB of free disk space on Windows systems.

The following topics contain details about determining free disk space on UNIX and Windows platforms:

- Determining Free Disk Space on UNIX Platforms
- Determining Free Disk Space on Windows Systems

Determining Free Disk Space on UNIX Platforms

Explains how to check free disk space on UNIX platforms.

Use the following command to check that the Oracle home directory has enough space:

- `df -k oracle_home_path`

where `oracle_home_path` is the path to the Oracle home directory.

Determining Free Disk Space on Windows Systems

Explains how to determine free disk space on Windows systems.

Perform the following steps to check that the Oracle home directory has enough space:

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

3. Select **Properties.**

Required Products

Explains the products that are required to use Oracle Database Examples.

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 database, you can choose to include the sample schemas. You can also manually install the sample schemas in an existing database.

> **✎ Note:**
>
> Starting with Oracle Database 21c, all sample schemas are distributed on GitHub:
>
> *Oracle Database Sample Schemas*

Identifying the Oracle Home Directory

Explains how to identify the Oracle home directory used by Oracle Database installation.

Before you extract products from Oracle Database Examples, you must ensure that your system has access to an Oracle Database 23ai Oracle home. If required, you must first install or upgrade to this release of Oracle Database.
Identify the Oracle home directory used by the Oracle Database installation.

On UNIX platforms, the `oratab` file is located in the `/etc` directory or in the `/var/opt/oracle` directory. Use the `more` command to check the contents of the `oratab` file. For example:

```
# 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 23ai**.

4. Click **Close** and then **Cancel** to exit Oracle Universal Installer.

Downloading Oracle Database Examples

You must download and extract the Oracle Database Examples zip file in the existing 23ai Oracle home to view the product demonstrations.

1. Go to the Oracle Database 23ai download page on Oracle Technology Network:

   https://www.oracle.com/database/technologies/oracle-database-software-downloads.html

2. Select the **See All** link, and then select the Oracle Database Examples zip file under the heading Oracle Database 23ai Examples.

3. Download the Oracle Database Examples zip file to a temporary location like `/tmp` directory or folder.

About Installing Oracle Database Examples

Oracle Database Examples installs the product demonstrations in the Oracle home directory and the SQL scripts for the sample schemas in the `$ORACLE_HOME/demo/schema` directory. To use these product demonstrations, you must install the sample schemas in the database. If the sample schemas are not included during an Oracle database installation or during database creation using Database Configuration Assistant, then you can manually install them by running the SQL scripts.

Use one of the following methods to install Oracle Database Examples:

- Extracting Oracle Database Examples
- About demo Directories in Read-Only Oracle Homes

Extracting Oracle Database Examples

You must extract the Oracle Database Examples zip file in the existing Oracle Database 23ai Oracle home.

Perform the following steps to extract Oracle Database Examples:

1. Log in to the computer where Oracle Database 23ai is installed.

   On UNIX platforms, log in as the Oracle software owner user (`oracle`).

   On Windows platforms, log in as an Administrator or 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.

   Refer to "Accessing the Installation Software" for details.

3. Navigate to the directory where you downloaded the Oracle Database Examples zip file. See, Downloading Oracle Database Examples.

4. Extract the contents of the zip file to the existing Oracle Database 23ai Oracle home.

5. The Oracle Database Examples examples and product demonstrations are now available in the Oracle home.

About demo Directories in Read-Only Oracle Homes

With Oracle Database 23ai, you can configure an Oracle home in read-only mode after you have performed a software-only Oracle Database installation.

If you have configured a read-only Oracle home, then you must copy some `demo` directories from ORACLE_HOME to ORACLE_BASE_HOME.

For more information, see Enabling a Read-Only Oracle Home and Copying demo Directories to Oracle Base Home.

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.

Access to Oracle Support

Oracle customer access to and use of Oracle support services will be pursuant to the terms and conditions specified in their Oracle order for the applicable services.

Diversity and Inclusion

Oracle is fully committed to diversity and inclusion. Oracle respects and values having a diverse workforce that increases thought leadership and innovation. As part of our initiative to build a more inclusive culture that positively impacts our employees, customers, and partners, we are working to remove insensitive terms from our products and documentation. We are also mindful of the necessity to maintain compatibility with our customers' existing technologies and the need to ensure continuity of service as Oracle's offerings and industry standards evolve. Because of these technical constraints, our effort to remove insensitive terms is ongoing and will take time and external cooperation.

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.
italic	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.

Convention	Meaning
`monospace`	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

Set Up Java Access Bridge to Implement Java Accessibility

Install Java Access Bridge so that assistive technologies on Microsoft Windows systems can use the Java Accessibility API.

Java Access Bridge is a technology that enables Java applications and applets that implement the Java Accessibility API to be visible to assistive technologies on Microsoft Windows systems.

Refer to *Java Platform, Standard Edition Accessibility Guide* for information about the minimum supported versions of assistive technologies required to use Java Access Bridge. Also refer to this guide to obtain installation and testing instructions, and instructions for how to use Java Access Bridge.