

Oracle® Database Express Edition

Getting Started Guide

10g Release 2 (10.2)

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Welcome to Oracle Database Express Edition (Oracle Database XE)! This tutorial gets you quickly up and running using Oracle Database XE by creating a simple application. This guide covers the following topics:

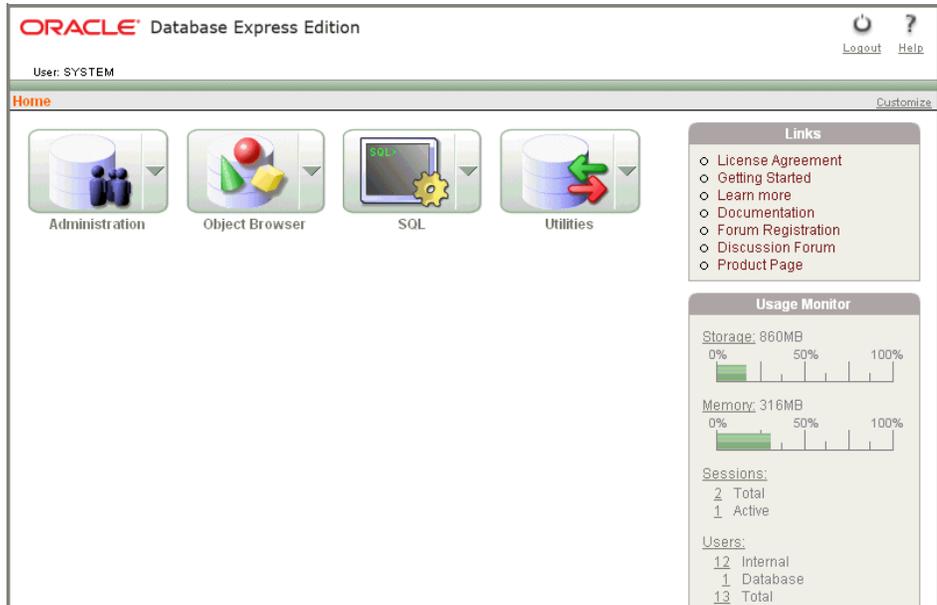
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1 Logging in as the Database Administrator

The first thing you need to do is to log in as the Oracle Database XE Administrator. Follow these steps:

1. Open the Database Home Page login window:
 - On Windows, from the **Start** menu, select **Programs** (or **All Programs**), then **Oracle Database 10g Express Edition**, and then **Go To Database Home Page**.
 - On Linux, click the **Application** menu (on Gnome) or the **K** menu (on KDE), then point to **Oracle Database 10g Express Edition**, and then **Go To Database Home Page**.
2. At the Database Home Page login window, enter the following information:
 - **Username:** Enter `system` for the user name.
 - **Password:** Enter the password that was specified when Oracle Database XE was installed.
3. Click **Login**.

The Oracle Database XE home page appears.



2 Unlocking the Sample User Account

To create your application, you need to log in as a database user. Oracle Database XE comes with a sample database user called **HR**. This user owns a number of database tables in a sample schema that can be used to create applications for a fictional Human Resources department. However, for security reasons, this user's account is locked. You need to unlock this account before you can build a sample application.

To unlock the sample user account:

1. Make sure you are still logged on as the database administrator, as described in the previous section.
2. Click the **Administration** icon, and then click **Database Users**.
3. Click the **HR** schema icon to display the user information for HR.



HR

4. Under Manage Database User, enter the following settings:
 - **Password and Confirm Password:** Enter **hr** for the password.
 - **Account Status:** Select **Unlocked**.
 - **Roles:** Ensure that both **CONNECT** and **RESOURCE** are enabled.
5. Click **Alter User**.

Now you are ready to create your first application.

3 Logging in as the Sample User Account

To log in as the sample user account:

1. Log out from the database administrator account by clicking **Logout** in the upper right corner of the Database Home Page.
2. In the window, click **Login**.
3. In the Login window, enter hr for both the user name and password.
4. Click **Login**.

The Database Home Page appears.

4 Creating a Simple Application

Creating an application is an easy way to view and edit your database data. You create this application based on the EMPLOYEES table, which is part of the HR schema.

To create an application based on the EMPLOYEES table:

1. On the Database Home Page, click the Application Builder icon.
2. Click the **Create** button.
3. Under Create Application, select **Create Application** and click **Next**.
4. Under Create Application:
 - a. **Name:** Enter MyApp.
 - b. Accept the remaining defaults.
 - c. Click **Next**.

Next, add pages to your application.

5. Under Add Page:
 - a. For Select Page Type, select **Report and Form**.



Notice that **Action** describes the type of page you are adding.

- b. Next to the **Table Name** field, click the up arrow, and then select **EMPLOYEES** from the Search Dialog window.
- c. Click **Add Page**.

Two new pages display at the top of the page, under Create Application.

| Create Application | | | | | | Cancel | < Previous | Next > |
|--------------------|-----------|-----------|-------------|-----------|---|--------|------------|--------|
| Page | Page Name | Page Type | Source Type | Source | | | | |
| 1 | EMPLOYEES | Report | Table | EMPLOYEES | ✘ | | | |
| 2 | EMPLOYEES | Form | Table | EMPLOYEES | ✘ | | | |

- d. Click **Next**.

6. On the Tabs panel, accept the default (**One Level of Tabs**) and click **Next**.
7. On the Shared Components panel, accept the default (**No**) and click **Next**.

This option enables you to import shared components from another application. Shared components are common elements that can display or be applied on any page within an application.

8. For Authentication Scheme, Language, and User Language Preference Derived From, accept the defaults and click **Next**.
9. For the theme, select **Theme 2** click **Next**.

Themes are collections of templates that you can use to define the layout and style of an entire application.

10. Confirm your selections. To return to a previous wizard page, click **Previous**. To accept your selections, click **Create**.

After you click **Create**, the following message displays at the top of the page:
Application created successfully.

5 Running Your New Application

To run your application:

1. Click the **Run Application** icon.



2. In the log in page, enter hr for both the **User Name** and **Password**.

Your application appears, showing the EMPLOYEES table.

3. Explore your application.

You can query the EMPLOYEES table, if you want. To manage the application, use the Developer toolbar at the bottom on the page.



The Developer toolbar offers a quick way to edit the current page, create a new page, control, or component, view session state, or toggle debugging or edit links on and off.

4. To exit your application and return to Application Builder, click **Edit Page 1** on the Developer toolbar.
5. To return to the Database Home Page, select the **Home** breadcrumb at the top of the page.



Congratulations! You have just created your first application using Oracle Database XE.

6 Using the Oracle Database XE Menus

You can use the Oracle Database XE menus to perform basic functions with Oracle Database XE. To see the menus, do the following:

- On Windows, from the **Start** menu, select **Programs** (or **All Programs**) and then **Oracle Database 10g Express Edition**.
- On Linux, click the **Application** menu (on Gnome) or the **K** menu (on KDE) and then point to **Oracle Database 10g Express Edition**.

The following menu items are available:

- **Get Help:** Displays the following selections:
 - **Go To Online Forum:** Displays the online forum for discussions about Oracle Database XE.
 - **Read Documentation:** Displays the Oracle Database XE documentation library on the Internet.
 - **Read Online Help:** Displays the Oracle Database XE online help. This help is only available if the database is started.
 - **Register For Online Forum:** Allows you to register for the Oracle Database XE online forum.
- **Backup Database:** In NOARCHIVELOG mode (the default), shuts down the database, backs it up, and then restarts it. In ARCHIVELOG mode, performs an online backup of the database. For more information on backups, refer to *Oracle Database Express Edition 2 Day DBA*.
- **Get Started:** Link to this tutorial.
- **Go To Database Home Page:** Displays the Oracle Database XE Home Page in your default browser. "[Logging in as the Database Administrator](#)" on page 1 explains how to log into this home page as a database administrator.
- **Restore Database:** Shuts down and then restores the database to the most recent backup. For more information on restoring a database, refer to *Oracle Database Express Edition 2 Day DBA*.
- **Run SQL Command Line:** Starts the SQL Command Line utility for Oracle Database XE. To connect to the database, issue the following command at the SQL prompt that appears:

```
connect username/password
```

where *username* is the user name, such as *sys*, *system*, or another account name, and *password* is the password that was assigned when Oracle Database XE was installed. The get help, you can enter the command `help` at the SQL prompt, once you have connected to the database.

- **Start Database:** Starts Oracle Database XE. By default, the database is started for you after installation and every time your computer is restarted. However, if you think the database is not running you can use this menu item to start it.
- **Stop Database:** Stops Oracle Database XE.

7 Learning More About Oracle Database XE

To learn more about using Oracle Database XE, you can use the Oracle Database XE Documentation Library. You can access this site as follows:

- On Windows, from the **Start** menu, select **Programs** (or **All Programs**), then **Oracle Database 10g Express Edition**, and then **Get Help**.
- On Linux, click the **Application** menu (on Gnome) or the **K** menu (on KDE), point to **Oracle Database 10g Express Edition**, and then select **Get Help**.

In particular, be sure to review the following:

- *Oracle Database Express Edition 2 Day DBA*. Discusses common day-to-day administrative tasks.
- *Oracle Database Express Edition 2 Day Developer Guide*. Explains how to take advantage of the Oracle Database Express Edition development environment.
- *Oracle Database Express Edition 2 Day Plus Application Express Developer Guide*. Offers a series of tutorials that describe how to build database-centric Web applications using the Oracle Application Express client.
- *Oracle Database Express Edition 2 Day Plus PHP Developer Guide*. Provides a tutorial that shows you how to download and install Apache and the Zend Core PHP drivers, and then how to use PHP to connect to Oracle Database XE, and demonstrates how to use PHP to develop a simple application that accesses and modifies data.
- *Oracle Database Express Edition 2 Day Plus Java Developer Guide*. Provides a tutorial that shows you how to use Java and JDBC to connect to Oracle Database XE, and demonstrates how to develop a simple Java application that accesses and modifies data.
- *Oracle Database Express Edition 2 Day Plus .NET Developer Guide*. Describes the key features of Oracle Data Provider for .NET and Oracle Developer Tools for Visual Studio .NET. It leads you through installation and configuration, shows how to build basic applications using Oracle Data Provider for .NET and Oracle Developer Tools for Visual Studio .NET, and how to create and use both PL/SQL and .NET stored procedures.

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