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Oracle Database   /   Release 18

ion Guide for Microsoft Windows

5   Installing Oracle Database XE

This section covers the following topics:

- Running the Installer
- Performing a Silent Installation

5.1 Running the Installer

Most users will install Oracle Database XE by downloading the installation package, extracting the files, double-clicking `setup.exe`, and answering graphical user interface prompts as needed.
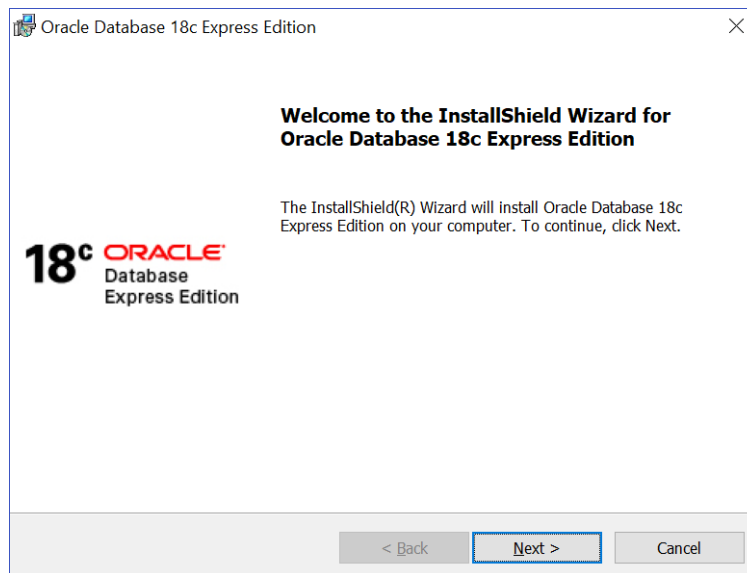
> **Note:**
>
> - Before attempting to install Oracle Database XE 18c, uninstall any existing Oracle Database XE or database with the `SID XE` from the target system.
>
> - Installer will use `SID XE` for database creation. Any `SID` other than `SID XE` will not be allowed.
>
> - See Migrating Data and Applications if you need to move data from Oracle Database Express Edition to Oracle Database Enterprise Edition 18c.
>
> - See Exporting and Importing Data between Oracle Database XE 11.2 and 18c if you need to move data from XE 11.2 to XE 18c.
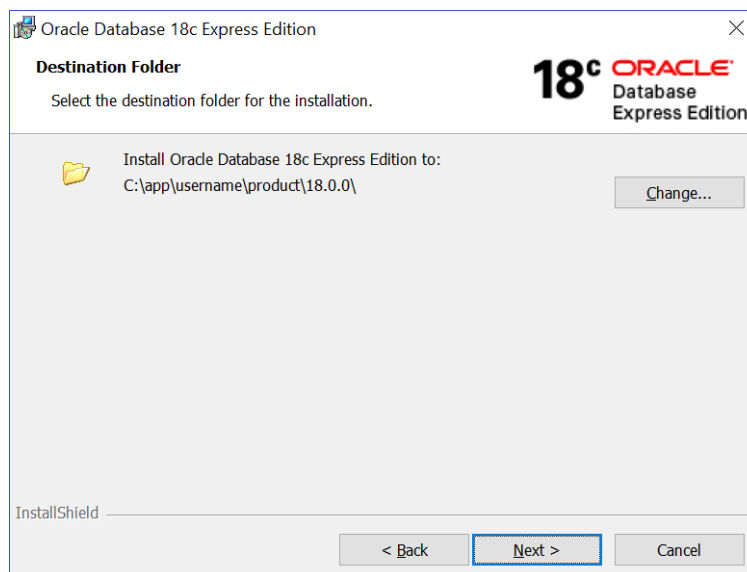
To install Oracle Database XE:

1. Log on to Windows with `Administrator` privileges.

   You must be part of the `Administrators` group on Windows to install Oracle Database XE. If you are logged in as a domain user, ensure that you are connected to the network. Otherwise, you may receive a prerequisite check failure for `Administrator` privileges during the install.
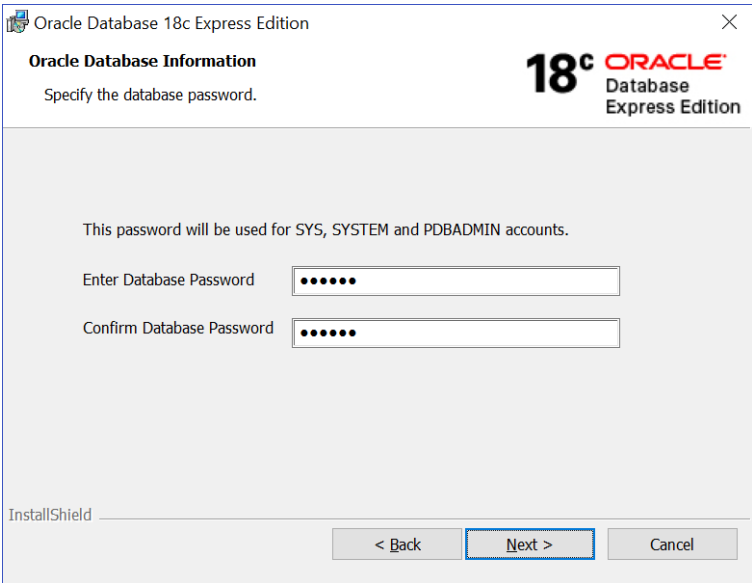
2. If the `ORACLE_HOME` environment variable has been set, then delete it.

3. Download the Microsoft Windows version of Oracle Database XE.

4. Extract the downloaded `zip` file to a temporary location. Locate `setup.exe` and double click it.

5. In the **Welcome to the InstallShield Wizard for Oracle Database 18c Express Edition** window, click **Next**.

6. In the **License Agreement** window, read the text of the agreement and if you agree to its terms, select **I accept the terms in the license agreement** and then click **Next**. If you do not accept the terms, cancel the installation and delete the Oracle Database 18c Express Edition software from the computer.

7. The installer now performs a prerequisite check to ensure that the version of Windows is supported, that the installation user has administrative privileges, and that there is no `Oracle Database XE` service already created. If any of these checks fail a **Prerequisite Checks** window will open notifying the user. In that case, cancel the installation, fix the problem, and retry the installation.

8. In the **Choose Destination Location** window, either accept the default or click **Change** to select a different installation directory. (Do not select a directory that has spaces in its name.) Then click **Next**.
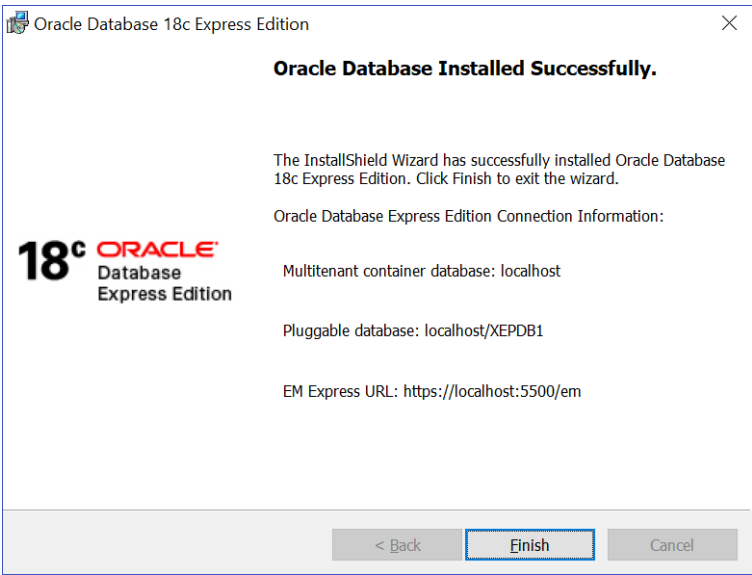

9. In the **Specify Database Passwords** window, enter and confirm the single database password to use for the `SYS`, `SYSTEM`, and `PDBADMIN` database accounts. Then click **Next**.

> **Note:** The same password will be used for these accounts. Oracle recommends that the password entered should be at least `12` characters in length, contain at least 1 uppercase character, 1 lower case character and 1 digit [0-9]. The password should conform to the Oracle recommended standards. See *Oracle Database Security Guide* for more information about guidelines for securing passwords.

10. In the Summary window, review the installation settings, and if you are satisfied, click **Install**. Otherwise, click **Back** and modify the settings as necessary.

11. When the installation is complete, the **Oracle Database Installed Successfully** window is displayed.

Make a note of the connection strings provided for multitentant container database and the pluggable database, as well as the EM Express URL. Click **Finish** to close the installer.

Configuration, Database Files, and Logs Location

The following table lists important locations such as `Oracle Base`, `Oracle Home`, Database files, and logs. `<INSTALL_DIR>` is the installation directory chosen by you during the time of install. The default installation directory is `C:\app\<username>\product\18.0.0`, where `<username>` is the name of the Windows user performing the installation.

Table 5-1 Configuration, Database Files and Logs Location

File Name and Location	Purpose
`<INSTALL_DIR>`	Oracle Base This is the root of the Oracle Database XE directory tree.
`<INSTALL_DIR>\dbhomeXE`	Oracle Home

File Name and Location	Purpose
	This home is where the Oracle Database XE is installed. It contains the directories of the Oracle Database XE executables and network files.
`<INSTALL_DIR>\oradata\XE`	Database files
`<INSTALL_DIR>\diag\rdbms\XE\XE\trace`	Diagnostic logs The database alert log is `<INSTALL_DIR>\diag\rdbms\XE\XE\trace\ alert_XE.log`
`<INSTALL_DIR>\cfgtoollogs\`	Database installation, creation, and configuration logs. The `<INSTALL_DIR>\cfgtoollogs\dbca\XE\XE. log` file contains the results of the database creation script execution.
`%Program Files%\Oracle\Inventory\logs`	Software installation logs.

5.2 Performing a Silent Installation

If you plan to install Oracle Database XE on multiple computers or bundle it with a third-party application, then you may want to perform a silent installation, in which you download the installation executable and run it at a command line using the provided response files.

If you have an existing version of Oracle Database XE, you can save your data by exporting it to data files. After you install the new version of Oracle Database XE, you can import this data into the new database.

To perform a silent installation of Oracle Database XE:

1. Log on to Windows with Administrator privileges.

   You must be part of the `Administrators` group on Windows to install Oracle Database XE. If you are logged in as a domain user, ensure that you are connected to the network.

2. Download Oracle Database XE for Microsoft Windows. Extract the files to a temporary directory.

3. Open the `XEInstall.rsp` response file and modify the settings if necessary.

   > ✏️ **Note:** For information on response file parameters, see Table 5-2.

4. If the ORACLE_HOME environment variable has been set, then delete it.

5. Run the installation executable with the `XEInstall.rsp` response file.

   For example, if you extracted the `setup.exe` executable and the `XEInstall.rsp` file to a directory called `xe_temp`, you would enter the following command:

   ```
   c:\xe_temp> setup.exe /s /v"RSP_FILE=c:\xe_temp\r    ☐ Copy   ꞁꞀ
   ```

   After the installation is complete, Oracle Database XE starts.

Response File Parameters

The following table describes the important response file parameters. The parameter value cannot be empty. You must specify a valid value for the parameters.

Table 5-2 Response File Parameters

Parameter	Purpose	Default Value
`INSTALLDIR`	The install directory location. Replace `[USERNAME]` with current user.	`INSTALLDIR=C:\app\ [USERNAME]\product\18.0. 0\`
`PASSWORD`	The XE Database password. All users are set with this password. Reset the password immediately after the installation is complete.	`PASSWORD=passwordvalue`
`LISTENER_PORT`	The listener port.	`LISTENER_PORT=0` If listener port is set to 0, available ports will be automatically

Parameter	Purpose	Default Value
		allocated starting from `1521`.
`EMEXPRESS_PORT`	The EM express port.	`EMEXPRESS_PORT=0`. If EM express port is set to `0`, available port will be automatically allocated starting from `5550`.
`CHAR_SET`	The character set of the database.	`CHAR_SET=AL32UTF8`

Note: After the installation is successfully completed, the following message is available in the log file that you have specified as the parameter to `setup.exe`.

For example, `c:\xe_temp\setup.log`:

MSI (c) (28:B8) [Timestamp]: Windows Installer installed the product. Product Name: Oracle Database 18c Express Edition. Product Version: 18.4.0.0.0. Product Language: [Current Language ID]. Manufacturer: Oracle Corporation. Installation success or error status: 0.

Since silent install runs asynchronously, you can check the log file for the completion status.

If the installation fails, see the following installation log files:

- general logs: located at `%Program Files%\Oracle\Inventory\logs`

- database creation logs: located at `<Oracle_base>\cfgtoollogs`

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