

# Oracle® Enterprise Data Quality

EDQ Quick Start Windows Installer Guide

Release 12c (12.1.3)

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This document describes how to use the Oracle Enterprise Data Quality (EDQ) Quick Start Windows Installer.

The EDQ Quick Start Windows Installer (`edqsetup.exe`) is an installation program that installs not only the EDQ application, but also open source platform components (Tomcat and PostgreSQL). This enables a quick installation of an EDQ server for demonstration, development, testing, and limited customer evaluation purposes.

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## Note

The EDQ Quick Start Windows installer is not suitable for production environments. For all production EDQ installations, see the Oracle Enterprise Data Quality Installation Guide at

<http://docs.oracle.com/middleware/1213/edq/DQINS/index.html>

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The Installer will also upgrade any previous installations that have been installed using it and that therefore have the same platform components.

This document accompanies the EDQ Quick Start Windows Installer and explains how to use it.

- [Section 1, “Preparing for Installation”](#)
- [Section 2, “Installing or Upgrading EDQ”](#)
- [Section 3, “Uninstalling EDQ”](#)
- [Section 4, “Getting Started”](#)
- [Section 5, “Related Documents”](#)
- [Section 6, “Resources”](#)

## 1 Preparing for Installation

This section describes how to prepare to use the EDQ Quick Start Windows Installer.

### 1.1 Download

The EDQ Quick Start Windows Installer is available on the EDQ download page on Oracle Technology Network:

## 1.2 System Requirements

The requirements in this section must be checked before proceeding with installation.

### 1.2.1 Operating Systems

The EDQ Quick Start Windows Installer can be used on the following Windows operating system versions:

- Windows XP
- Windows 2003 Server
- Windows 2008 Server
- Windows 7

Oracle recommends the use of a 64-bit version of Windows so that the EDQ application server can run with sufficient memory. This is a requirement if you intend to install and use either the EDQ Customer Data Services Pack or Oracle Watchlist Screening on the EDQ server.

**Note:** The latest versions of the EDQ Customer Data Services Pack (11.1.1.7.4), Oracle Watchlist Screening (11.1.1.7.3), and EDQ Address Verification Server (14.2) are all compatible with EDQ 12c.

### 1.2.2 Minimum Hardware Requirements

Depending on the tasks that you require of the EDQ server, heavy demands can be placed on the hardware used to run it.

For installation on a standalone PC, the recommended minimum hardware configuration to begin using EDQ is:

- 2 GB of memory (4 GB is recommended)
- 2 GHz processor
- 50 GB of available hard disk space

For working with large datasets or complex processes, and if either the EDQ Customer Data Services Pack or Oracle Watchlist Screening is to be installed, the recommended minimum configuration is:

- 64-bit operating system
- 8 GB of memory
- 4 processor architecture
- 250 GB of available hard disk space.

Note that these minimum requirements do not represent sizing recommendations for any specific usage scenarios.

## 1.3 Required Privileges

To install EDQ, you must have local administrator privileges on the Windows machine.

## 1.4 Java, VPN Client, Anti-Virus, and Anti-Spyware Software Interaction

The EDQ Quick Start Windows Installer configures a number of Windows services that use network interfaces. A number of virtual private network (VPN) clients, anti-virus and anti-spyware applications may cause problems with registering these services. If you have a VPN client, anti-virus or anti-spyware product installed, it should be disabled during the installation process.

In addition, any programs or services that use Java should be stopped before running the EDQ Quick Start Windows Installer.

## 2 Installing or Upgrading EDQ

The installation program is used both for installing a new instance of EDQ and for upgrading an existing instance that was installed using the Windows Installer.

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### Note

In versions of EDQ up to 9.x, the Windows Installer was provided as a formal part of the software deliverable. If an instance of EDQ was installed using this, it can be upgraded using the EDQ Quick Start Windows Installer.

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EDQ consists of a server component and a number of client applications. All components are installed onto the target machine, which becomes an EDQ server.

To install or upgrade the EDQ server and its client applications:

1. If you are upgrading an instance of EDQ running on Tomcat, remove all cached JSP pages by deleting the contents of the Tomcat work directory. An example of the path to this directory from a previous installation of EDQ (formerly known as dn:Director) is:  
C:\Program Files\Datonomic\dnDirector\tomcat\6.0\work.
2. Log in to the target Windows system as a user with administrator rights to the machine.
3. Go to the directory where you extracted edqsetup.exe (for example C:\edq\_install).
4. Start the installation as follows:

On Windows 2008 Server, or Windows 7:

- Right-click on **edqSetup.exe** and select **Run as Administrator**.

On Windows XP or Windows 2003 Server:

- Right-click on **edqSetup.exe**, select **Run as**, and then enter the credentials for an administrator user.

The Oracle Enterprise Data Quality Release 12c (12.1.3) Setup Wizard is displayed.

5. Click **Next** to continue.
6. If you are upgrading an existing installation, click **Yes** to confirm the upgrade.
7. Select the functional packs that you wish to use and click **Next**.

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**Note**

If you intend to install and use either the EDQ Customer Data Services Pack or Oracle Watchlist Screening, all functional packs are required.

Otherwise, select the functional packs according to the functionality that you wish to demonstrate or evaluate.

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8. By default, EDQ is installed in the C:\Program Files\Oracle\Enterprise Data Quality\ directory.

You can change this path to an alternative location by entering the directory or using the **Browse** button to locate and select it.

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**Note**

Supporting configuration and data will always be installed to C:\Program Data\Oracle\Enterprise Data Quality. The installer does not currently allow this path to be changed. Note that the Program Data folder may be hidden by default on some versions of Windows.

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9. Click **Install** to begin the installation.

The installation progress is displayed and refreshed during the process.

10. Click **Finish** to complete the installation.

The Oracle Enterprise Data Quality folder is added to your Windows Start menu (if it does not exist) and the Enterprise Data Quality Help and a link to Enterprise Data Quality Launchpad is added.

The program installs two instances of PostgreSQL on the EDQ server. These instances are referred to as the Director Database and the Results Database. The database engines for each instance are optimized for their specific use. The JDBC connection strings are exposed in the file director.properties, which is located in the oedq\_local\_home directory in C:\Program Data\Oracle\Enterprise Data Quality.

It is possible to switch to using Oracle as the repository database. To do this, use the EDQ Configuration Application. See Section 5.5 of the EDQ Installation Guide at [http://docs.oracle.com/middleware/1213/edq/DQINS/configuring\\_tom.htm#DQINS5165](http://docs.oracle.com/middleware/1213/edq/DQINS/configuring_tom.htm#DQINS5165)

## 2.1 Switching to a 64-bit JVM

Even if installed on a 64-bit operating system, the EDQ Quick Start Windows Installer initially installs EDQ to run in a 32-bit JVM. To take full advantage of a 64-bit operating system, it is important to switch to using a 64-bit JVM, and it is normally necessary to adjust the JVM parameters of Tomcat to more suitable settings to run EDQ.

To switch EDQ to run using a 64-bit JVM:

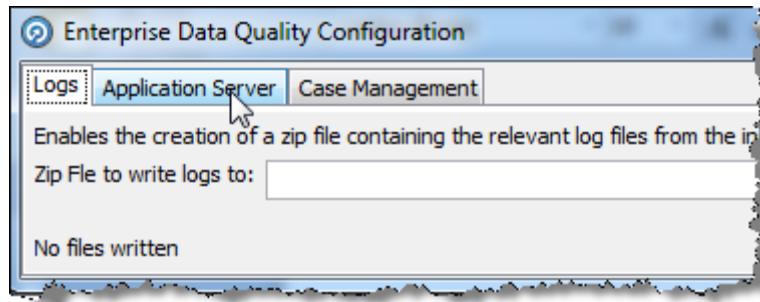
1. Ensure that the machine is running a 64-bit operating system. Do not continue with the instructions in this section if running on a 32-bit version of Windows.

**Note:** To check this, right-click on the computer in Windows Explorer, and select Properties. The System type property will display whether the operating system is 32-bit or 64-bit.

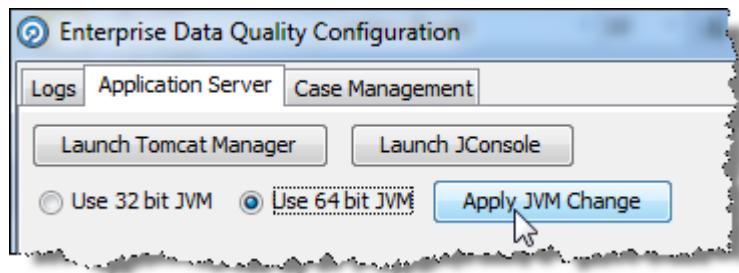
2. Ensure you are logged in as a user with administrator rights to the server
3. Stop the EDQ Application Server service, and both EDQ Database services (EDQ Config Store and EDQ Results Store)
4. Find the executable utility **dnConfig.exe** which will be installed with the application.

**Note:** By default, this file is installed in C:\Program Files\Oracle\Enterprise Data Quality\director\[version number]. If you have multiple versions installed, pick the latest version number.

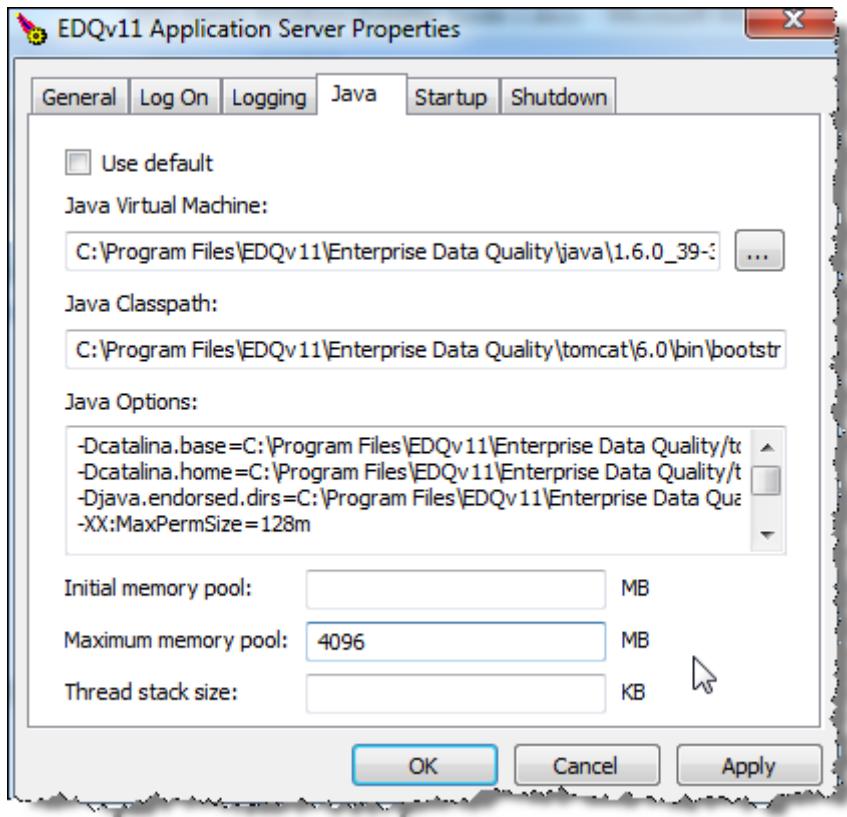
5. Right-click on the file, and **Run as administrator**. Accept the warning to allow the application to make changes.
6. An Enterprise Data Quality Configuration utility application is launched, as below. Switch the **Application Server** tab:



7. Click on the **Use 64 bit JVM** radio option and click **Apply JVM Change**:



8. Click on the **Launch Tomcat Manager** option, and switch to the Java tab.
9. Adjust the 'Maximum memory pool' to allow EDQ to use more memory. Note that on a 32-bit version of Windows, it is not possible for Java to use more than approximately 1500MB, but on a 64-bit version, it can use more. It is normally advisable to set the maximum pool to around 50% of the available physical memory on the machine. For example, on a machine with 8GB of RAM, set the maximum to 4096 (4GB):



10. Restart the EDQ services in the following order:

- a. EDQ Config Store
- b. EDQ Results Store
- c. EDQ Application Server

## 2.2 Changing the Password for the Default User

Once the EDQ installation is complete, you must change the password of the default dnadmin user as follows:

1. From the Windows **Start** menu, select **All Programs** or **Programs**, then **Oracle Enterprise Data Quality**, and then **Enterprise Data Quality Launchpad**.  
Your browser is started and the Enterprise Data Quality Launchpad is displayed.
2. Click **Change Password**.
3. Enter **dnadmin** in the Username and Current password fields.
4. Enter a new password that is 8 or more characters in the **New password** and **Confirm password** fields, and then click **Change password**.

Ensure that you do not forget or lose the new password as without it you may lose access to the EDQ system. You may wish to add additional users with rights to add user accounts to ensure that this does not occur.

The EDQ client applications can now be launched using the default user name **dnadmin** and the password you have specified.

## 3 Uninstalling EDQ

You can uninstall the EDQ product if you no longer want to use it, in the same manner as you would any other program on your PC:

From the Windows **Start** menu:

1. Navigate to **Control Panel > Programs > Programs and Features**
2. Find **Oracle Enterprise Data Quality 12.1.3.0.0**
3. Click **Uninstall/Change**. The uninstall wizard is displayed.
4. Click **Uninstall** to continue the process.

## 4 Getting Started

This section is intended to familiarize you with the main components of EDQ.

### 4.1 The EDQ Launchpad

You can use either of the following methods to access the EDQ Launchpad and client applications:

- From the Windows **Start** menu, select **All Programs or Programs**, then **Oracle Enterprise Data Quality**, and then **Enterprise Data Quality Launchpad**.
- Or
- Start a supported browser and enter the following URL:  
`http://server name:port number/edq`

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#### Note

The value for *server name* above must correspond to the name of the server onto which you installed EDQ and *port number* must be the HTTP or HTTPS port that your application server is running against. The default HTTP port is 9002.

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The Launchpad provides access to the EDQ client applications and administration facilities.

### 4.2 Client Applications

It is not necessary to install EDQ onto any machines in order to run any of its client applications. The client applications are designed to be installed and run remotely using the Launchpad on any machine that has a supported version of Java 7 or 8 installed.

#### Java Web Start

Java Web Start must be installed on the client machine before it can be used to launch the Director client. Java Web Start integrates with the web browser on the client machine and can download, install, run and automatically update the Director client. The EDQ distribution includes a Java runtime installer with Java Web Start.

Alternatively, Java can be downloaded from the Oracle Java website at:

<http://java.sun.com/javase/downloads/index.jsp>

The Java installation registers Java Web Start with your web browser. Once this is done, any of the Launchpad clients can be started.

## 4.3 Administration Information

### 4.3.1 Ports

The EDQ Quick Start Windows Installer will use the following ports by default, assuming they are not already used:

Port	Use
9000	Communication with the PostgreSQL EDQ Config database
9001	Communication with the PostgreSQL EDQ Results database
9002	HTTP connection to the EDQ server Launchpad
9004	HTTPS connection to the EDQ server Launchpad
9005	JMX connection (to the management port)
9007	FTP connections to the EDQ server configuration directory and file landing area
9008	SFTP connections to the EDQ server configuration directory and file landing area

The allocated ports can be checked (and, if necessary, changed) in the file `director.properties` in the EDQ local home directory (which is installed by default to `C:\Program Data\Oracle\Enterprise Data Quality\oedq_local_home`).

### 4.3.2 Configuration Directories

On a new installation of EDQ, two configuration directories are created, ‘EDQ Home’ and ‘EDQ Local Home’. These are installed to `C:\Program Data\Oracle\Enterprise Data Quality\oedq_home` and `C:\Program Data\Oracle\Enterprise Data Quality\oedq_local_home` respectively.

The files in the EDQ Home directory should always be left untouched as these may be changed in future upgrades. However, the files in the EDQ Local Home directory are expected to be modified, for example when the system is extended.

## 4.4 EDQ Documentation

In addition to the EDQ documentation set (see [Section 5, “Related Documents”](#)), EDQ is delivered with an extensive set of documentation that is accessed as follows:

### Online Help

The online help can be accessed by pressing the **F1** key or by clicking on the Help icons within each application.

### Project Browser Context-Sensitive Help

All of the main nodes in the Director project browser, such as Projects, Snapshots, Issues and so on, have context-sensitive links to help pages that explain the terms used and the purposes of the object. These pages can be accessed by right-clicking on an object in the Project

Browser and selecting **Help** from the context menu or by left-clicking on the node and pressing **F1**.

#### **Processor-Specific Context-Sensitive Help**

Each of the supplied processors in the Director Tool Palette has associated help documentation, explaining what the processor does, which data types it can handle, its inputs and outputs, and examples of how you might use the processor. This help can be accessed by right-clicking on a processor on the canvas and selecting **Processor Help** from the context-sensitive menu or by left-clicking on a processor, either on the canvas or in the tool palette, and pressing **F1**.

## **5 Related Documents**

For more information, see the following documents in the documentation set:

- *Oracle Enterprise Data Quality Release Notes*
- *Oracle Enterprise Data Quality Installation Guide*
- *Oracle Enterprise Data Quality Architecture Guide*

See the latest version of these and all documents in the Oracle Enterprise Data Quality Documentation website at:

<http://docs.oracle.com/middleware/1213/edq/index.html>

## **6 Resources**

The [Oracle Technology Network](#) offers a huge range of resources on Oracle software.

- Discuss technical problems and solutions on the [Discussion Forums](#).
- Get the latest news and information on any Oracle product.

You can also get further help and information with Oracle software from:

- [My Oracle Support](#) (requires registration)
- [Oracle Support Services](#)

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Oracle Enterprise Data Quality Demo Windows Installation Guide, Release 12c (12.1.3)

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