Installing Oracle 12c R1 on a 64-bit OS

Complete this step only **AFTER** installing SQL Server Development Tools (SSDT).

To install Oracle, complete these steps.

**Confirm Prerequisite**

1) Confirm SSDT (Sql Server Data Tools) exists on the workstation.

From Start, in the Programs menu, find the program **SQL Server Data Tools 2015** which has also installed **Visual Studio 2015**.
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Confirm Prerequisite

1. Right-click on the Windows10 start icon

2. Verify the Operating System is 64-bit

   - Choose System to verify

   

   Programs and Features
   Power Options
   Event Viewer
   System
   Device Manager
   Network Connections
   Disk Management
   Computer Management
   Command Prompt
   Command Prompt (Admin)
   Task Manager
   Control Panel
   File Explorer
   Search
   Run
   Shut down or sign out
   Desktop
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Confirm Prerequisite

![Prerequisite Confirmation]

Disable UAC

1) Type **User Account Control** to search for UAC from the Start Menu Search

![Search Windows]
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Disable UAC

2) Select “Change User Account Control Settings”
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3) Note where your notification is currently set, as you will need to set this back at the end of this documentation. Drag the slider down control to “Never Notify” and click OK.

Install Oracle 12c

1) Navigate to the \techsupport\software\Public\Oracle 12c\client folder.
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Install Oracle 12c

2) Right-click the setup.exe file, and select Run as administrator from the submenu.

3) A command window will appear on your screen, do not click anywhere in this window. It will automatically close upon completion of the installation prep.
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Install Oracle 12c

4) When the previous window disappears, you will see the Oracle Client Installer window. Select “**Custom**” as the installation type. Click **Next >**.

5) Verify the Product Selected Language is “**English**” and click **Next >**.
Install Oracle 12c

6) “Use Windows Built-In Account” when prompted to Specify Oracle Home User and click Next.
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Install Oracle 12c

7) Verify the Oracle base is: C:\app\client\username and the Software location is: C:\app\client\username\product\12.1.0\client_1 before you click Next.
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Install Oracle 12c

8) **CAREFULLY** confirm/select ONLY the following components:
   a. “SQL*Plus”
   b. “Oracle Services For Microsoft Transaction Server”
   c. “Oracle Provider for OLE DB”
   d. “Oracle Data Provider for .NET”
   e. “Oracle Providers for ASP.NET”
   then click Next>
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Install Oracle 12c

9) The install will perform prerequisite checking:

10) With a successful prerequisite check as shown below, the installation can begin with a click of the Install button.
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Install Oracle 12c

11) The installation status will display in the window. This step may take a few minutes to complete.

12) Installation was successful. Click Close.

Congratulations! You have now successfully installed Oracle 12 on your machine. To complete the Oracle install, ODAC or Oracle tools, will also need to exist on the workstation. Together, Oracle and ODAC provide a more robust report development experience. PLEASE REBOOT YOUR MACHINE, IF NOT PROMPTED TO DO SO BEFORE PROCEEDING TO THE ORACLE TOOLS/ODAC INSTALLATION. The installation steps for the ODAC steps are below.
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Installing Oracle Data Access Components (ODAC)

Oracle 12c will not properly function without the Oracle Data Access Components (ODAC) installed and configured on your computer.

To install ODAC 32-bit (for all versions of Windows 10); follow these steps:

1) Navigate to the \techsupport\software\Public\Oracle 12c\ODAC 32 bit\ODTwithODAC121024\ folder

2) Right-click the setup.exe, and select Run as administrator from the submenu.
Installing Oracle 12c R1 on a 64-bit OS

Installing Oracle Data Access Components (ODAC)

3) Click **Run**, answering the question, “Do you want to run this file?”

![Open File - Security Warning](image)

4) The Oracle Universal Installer opens a command window that will close/disappear once prerequisite checking has completed. Simply wait....

![Starting Oracle Universal Installer](image)
Installing Oracle 12c R1 on a 64-bit OS

Installing Oracle Data Access Components (ODAC)

5) When prompted to Select Product Languages, verify “English” has defaulted in the [Selected languages] area of the window, and click Next >

![Select Product Languages screen](image)

6) When prompted to Specify [the] Oracle Home User, select the radio button Use Windows Built-In Account then click Next >

![Specify Oracle Home User screen](image)
Installing Oracle 12c R1 on a 64-bit OS

Installing Oracle Data Access Components (ODAC)

7) Verify the **Oracle base** is: `C:\app\client\username` and the **Software location** is: `C:\app\client\username\product\12.1.0\client_2` and click **Next>**.

If either of these field values differs from the image presented, please **STOP** and contact The Reporting Support Team.

8) Select the product components
   1. Oracle Data Provider for .NET
   2. Oracle Developer Tools for Visual Studio
   then click **Next>**.
Installing Oracle 12c R1 on a 64-bit OS

Installing Oracle Data Access Components (ODAC)

9) Confirm the box indicating to configure ODP.net and ASP.net at the machine-wide level is selected then click Next>

10) IF you are presented with a connection window. Click Next> to progress to the Prerequisite Checks.
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Installing Oracle Data Access Components (ODAC)

11) The install will perform some prerequisite checking:

12) After verifying the installation summary of configuration settings to be correct, click Install.
Installing Oracle 12c R1 on a 64-bit OS

Installing Oracle Data Access Components (ODAC)

13) You will see the installation status in the window. The installation may take a bit of time depending on your system's configuration.

14) Once installation has successfully completed click Close.

You have now successfully installed Oracle.

However, there is a bit of configuration to occur before report development can begin.
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Reset the UAC

1) Type User Account Control to search for UAC from the Start Menu Search

Notice as you begin to type, Windows begins to search for possible matches. Therefore, the desired result may appear before typing the full text. If so, proceed to step 2.

2) Select “Change User Account Control Settings”
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Reset the UAC

3) Return your UAC setting to notify you of changes to your computer by sliding the bar up away from the bottom “Never notify” toward the top “Always notify”.

Slide this up to change the notification setting
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TNS System Variable Creation

The setup of a TNS system variable will provide the means to connect to the Oracle databases. From the Windows taskbar.

1) Right-click on the Windows10 start icon
2) Select System from the pop-up menu.
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TNS System Variable Creation

3) Select Advanced system settings in the left panel

4) Select the Advanced tab

5) Click Environment Variables...
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TNS System Variable Creation

6) Click **New…** in the (lower window) System variables

7) Populate the New System Variable fields **name** and **value** with **TNS_ADMIN** and **\sammy\departments\TNS** as shown.
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**TNS System Variable Creation**

8) Creating a System variable resembling the blue highlighted line in the lower pane

![Environment Variables](image)

**Congratulations!** You have configured the (TNS) system variable needed.
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To ensure unnecessary login prompts into SSRS, please complete the following steps in Internet Explorer.

IE Setup for SharePoint and SSRS Web

1) From Internet Explorer

   Locate the (A) Tools menu > (B) Internet Options

   ![Internet Explorer Tools and Internet Options menu]
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2) From the (C) **Security** tab, highlight **Trusted Sites** (zone), and click **Sites**.
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3) **NOTE:** You must first uncheck the “Require server verification…” checkbox.

4) Add addresses [https://*.uncw.edu](https://*.uncw.edu) [http://*.uncw.edu](http://*.uncw.edu) to the Trusted Sites zone and in the “Add this website to the zone:” box.

5) When complete, click **Close** to exit Trusted Sites.
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6) Now click on Custom Level under "Security level for this zone"
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7) Scroll down the Setting box to locate
   a. **Miscellaneous** group,
      Enable **Access data sources across domains**
   b. and in the **User Authentication** section, near the bottom of the Settings window
      Select **Automatic logon with current user name and password**

Click **OK** to close, completing **all** installation **and** configuration.