Installing Oracle Client for Microsoft Tools Tutorial

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This step-by-step tutorial guides how to install Oracle Client for Microsoft Tools (OCMT). OCMT is a graphical installer that automates the install and configuration of Oracle Data Provider for .NET (ODP.NET) to support Microsoft tool connections with Oracle on-premises and cloud databases, including Oracle Autonomous Database. The Microsoft tools supported include:

- Power BI Desktop
- Power BI service
- Excel
- SQL Server Analysis Services
- SQL Server Data Tools
- SQL Server Integration Services
- SQL Server Reporting Services
- BizTalk Server

These instructions work for on-premises database and both dedicated and serverless ADB. The instructions for on-premises database setup also apply to Oracle Database Cloud Services and Oracle Exadata Cloud Service.

Prerequisites

Power BI Desktop, Power BI service, Excel, SQL Server Analysis Services, and BizTalk Server use unmanaged ODP.NET to connect to Oracle database. If you use the 64-bit version of one of these products, you must use the 64-bit OCMT to install 64-bit unmanaged ODP.NET. If you use the 32-bit Microsoft product version, you must use the 32-bit OCMT to install 32-bit unmanaged ODP.NET.

SQL Server Data Tools, SQL Server Integration Services, and SQL Server Reporting Services use managed ODP.NET. Managed ODP.NET works with both 32-bit and 64-bit apps, which allows you to use either 32-bit or 64-bit OCMT with any of these Microsoft products.

If using unmanaged ODP.NET, determine whether you are using 32-bit or 64-bit version of the Microsoft product. Let's use Power BI Desktop as an example. In Windows, start Power BI Desktop. On the menu, select **Help** > **About** to see a window like the following:

Microsoft Power BI Desktop	>
Microsoft Power Bl Decktop is a companion product to app.powerbi.com	
User ID: f54c2ac2-0 f8d=16u e-aa6c-44ae1dd4447e	
Session ID: 6ef3f4ea-e2c0-4452-9efd-b0a6a83975a2	
Privacy Statement	
Close	

In the above screen shot, we see this is 64-bit Power BI Desktop. That means 64-bit unmanaged ODP.NET must be installed and configured for Power BI to connect to an Oracle Database. If 32-bit Power BI Desktop is being used, then 32-bit unmanaged ODP.NET is required.

OCMT Installation and Setup Steps

 From the <u>Oracle Client for Microsoft Tools</u> page, click on the download link, "64-bit Oracle Client for Microsoft Tools", to install 64-bit unmanaged ODP.NET or download link, "32-bit Oracle Client for Microsoft Tools", to install 32-bit unmanaged ODP.NET. For managed ODP.NET, you can choose either download.

	Connect Microsoft Tools Tools to Oracle Oracle Client for Microsoft Tools installs and configures Oracle Data Provider for .NET (ODP.NET) to support Oracle on-premises and cloud databases, including Oracle Autonomous Database. It supports connecting Server Analysis Services, SQL Server Data Tools, SQL Server Integration Services, SQL Server Reporting S
Download	Get the Details 64-bit Oracle Client for Microsoft Tools 19c 32-bit Oracle Client for Microsoft Tools 19c

OCMT should download to your machine after clicking on the download link.

2. Find the OCMT executable on your machine.



Double click the executable to begin the install process.

3. Click the "Yes" button in the User Account Control screen. You should now see the introductory install screen. Click the "Next" button.



The screen shots may differ slightly if you are using 32-bit vs 64-bit OCMT.

4. The OCMT Setup Type screen will appear. You will have two choices: Custom or Default.

Oracle Client for Microsoft Tools	×
Setup Type	
Select the setup type that best suits your needs	s. O
Click the type of setup you prefer.	
Custom	Description
Default	64-bit managed ODP.NET and unmanaged ODP.NET will be installed and configured for machine-wide use. Global changes will be made to the machine's .NET setup, including placing the provider assembly into the Global Assembly Cache (GAC) and updating the machine.config with ODP.NET configuration section handler and DbProviderFactories information.
InstallShield	
	< Back Next > Cancel

If you choose **Custom**, you can decide whether to install and configure only managed ODP.NET, only unmanaged ODP.NET, or both. If you choose **Default**, both managed and unmanaged ODP.NET will install and be configured

Make your selection, then click the "Next" button.

If you chose **Default**, skip to step 6.

5. If you chose **Custom**, you then see the Select Features screen.

Oracle Client for Microsoft Tools	×		
Select Features Select the features setup will install.	0		
Select the features you want to install, and	deselect the features you do not want to install. Description Oracle Data Provider for .NET (ODP.NET), Unmanaged Driver supports connectivity to Power Query products. Those products include Microsoft Power BI, Excel, SQL Server Analysis Services, and BizTalk Server.		
265.45 MB of space required on the C drive 180286.19 MB of space available on the C drive InstallShield			
	< Back Next > Cancel		

Select whether you wish to install managed ODP.NET, unmanaged ODP.NET, or both. Click the "Next" button.

6. On the Destination Location screen, enter the directory where to install ODP.NET.

Oracle Client for Microsoft Tools		×
Choose Destination Location Select folder where setup will install files.		0
Setup will install Oracle Client for Microsoft To install to this folder, click Next. To install select another folder.	Tools in the following folder. to a different folder, click Browse an	d
Destination Folder C:\Program Files\Oracle Client for Microso	oft Tools Brow	wse Cancel

Use the "Browse" button to specify the directory location. Click "Next" when completed.

7. On the Oracle Configuration File Directory screen, enter the location where ODP.NET can find its Oracle Client configuration files, sqlnet.ora and tnsnames.ora, such as C:\network\admin.

Oracle Client for Microsoft Tools			>	<
Oracle Configuration File Directory			C	>
Please specify the directory where Oracle Dat configuration files, sqlnet.ora and tnsnames.o	tabase Client wi ora.	ll search for its		
C:\network\admin			Browse	
InstallShield	< Back	Next >	Cancel	

You may use the "Browse" button to specify the directory location. Click "Next" when complete.

If you are connecting to Oracle Autonomous Database Serverless, download the database connection credentials zip file from the Oracle Cloud Console and unzip the contents into this specified configuration file directory. Next, open the sqlnet.ora file to update the WALLET_LOCATION'S DIRECTORY setting value to the same specified configuration file directory.

8. The Oracle Client for Microsoft Tools is now ready to install. Click the "Install" button to proceed.

Oracle Client for Microsoft Tools	×
Ready to Install the Program	
The wizard is ready to begin installation.	0
Click Install to begin the installation.	
If you want to review or change any of your installation settings, click Back. Click Can exit the wizard.	cel to
InstallShield	
< Back Install Ca	ncel

9. The ODP.NET install is now complete and configured for use on this machine. On the Wizard Complete screen, you may review the client README. Click the "Finish" button to proceed.

Oracle Client for Microsoft Tools		
ORACLE	Wizard Complete	
	The Wizard has successfully installed Oracle Client for Microsoft Tools. Click Finish to exit the wizard.	
	✓ I would like to view the README file.	
	< Back Finish Cancel	

Conclusion

Your Microsoft tools can now connect to Oracle databases. In the Microsoft tool, provide the database credentials, such as username/password or Microsoft Entra ID (formerly Azure Active Directory), and Oracle data source information, such as the net service name, Easy Connect Plus, or connect descriptor.

Oracle publishes step by step connectivity instructions for specific Microsoft tools on the OCMT web page.