

# Oracle Data Provider for .NET Support for Microsoft .NET Core

ORACLE STATEMENT OF DIRECTION | MARCH 2017



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The following is intended to outline our general product direction. It is intended for information purposes only, and may not be incorporated into any contract. It is not a commitment to deliver any material, code, or functionality, and should not be relied upon in making purchasing decisions. The development, release, and timing of any features or functionality described for Oracle's products remains at the sole discretion of Oracle.



## Oracle Data Provider for .NET

Oracle Data Provider for .NET (ODP.NET) features optimized ADO.NET data access to the Oracle database from Microsoft .NET Framework. It allows developers to take advantage of advanced Oracle database functionality, including Real Application Clusters, pluggable databases, and Oracle Database Cloud.

ODP.NET consists of two drivers: ODP.NET, Managed Driver and ODP.NET, Unmanaged Driver. ODP.NET, Managed Driver is a fully managed ADO.NET provider, consisting of fewer DLLs and smaller install size than ODP.NET, Unmanaged Driver. The managed driver has the same exact application programming interfaces (APIs) as ODP.NET, Unmanaged Driver. However, the managed driver's APIs are a subset of the Unmanaged Driver's APIs.

Currently, managed and unmanaged ODP.NET support .NET Framework on Windows only.

## Microsoft .NET Core

Microsoft .NET Core is an open source, cross-platform version of .NET Framework with support for Microsoft Windows, Apple macOS, and a number of Linux distributions.

## ODP.NET Statement of Direction for Microsoft .NET Core

Oracle plans to certify ODP.NET, Managed Driver on Microsoft .NET Core around the end of calendar year 2017.

Oracle intends to support managed ODP.NET on .NET Core on Windows operating systems and Oracle Linux. Managed ODP.NET may support additional operating systems. Oracle will continue to evaluate support for other Linux distributions and will announce additions to the certification list at a future time.

Oracle does not plan to certify on earlier versions than Microsoft .NET Core 2.0. .NET Core 2.0 contains numerous features that make managed ODP.NET certification possible on the framework.

ODP.NET support for Microsoft Entity Framework Core and Microsoft ASP.NET Core is not expected in the first release. Oracle will have more details on support for these technologies at a future time.

Oracle does not plan to certify ODP.NET, Unmanaged Driver on .NET Core.



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