

The industry's only suite of ADO.NET data providers with 100% Managed Architecture

Product Brief

DataDirect Connect[®] for ADO.NET

DataDirect Connect for ADO.NET is the industry's only suite of ADO.NET data providers with a 100% managed architecture, eliminating the need for database clients, boosting performance, and delivering a flexible, secure connection to Oracle, DB2, Microsoft SQL Server, and Sybase. Eliminating the need for the native database client greatly reduces the cost associated with deploying and maintaining the native client in both client-server and server-based environments. In addition, DataDirect Connect for ADO.NET provides unparalleled interoperability for .NET applications by abstracting the differences between different databases and database versions.



100% Managed Architecture Boosts Performance and Security

Because DataDirect Connect for ADO.NET data providers are 100% managed, applications can take full advantage of the capabilities provided by the .NET CLR (Common Language Runtime), including automated memory and object management, code access security, and numerous performance features.

The DataDirect provider does not require calls that bridge outside the CLR, which are costly in terms of performance and introduce additional security risk.

Eliminates the Need for Database Clients and Libraries

As a 100% managed code provider, DataDirect Connect for ADO.NET does not use database client libraries such as Oracle Net for Oracle 10g. This greatly simplifies application deployment and administration and dramatically reduces the costs associated with deploying and maintaining the native client.

This clientless architecture also eliminates version problems that are associated with the native database client and supports "side-by-side" installation.

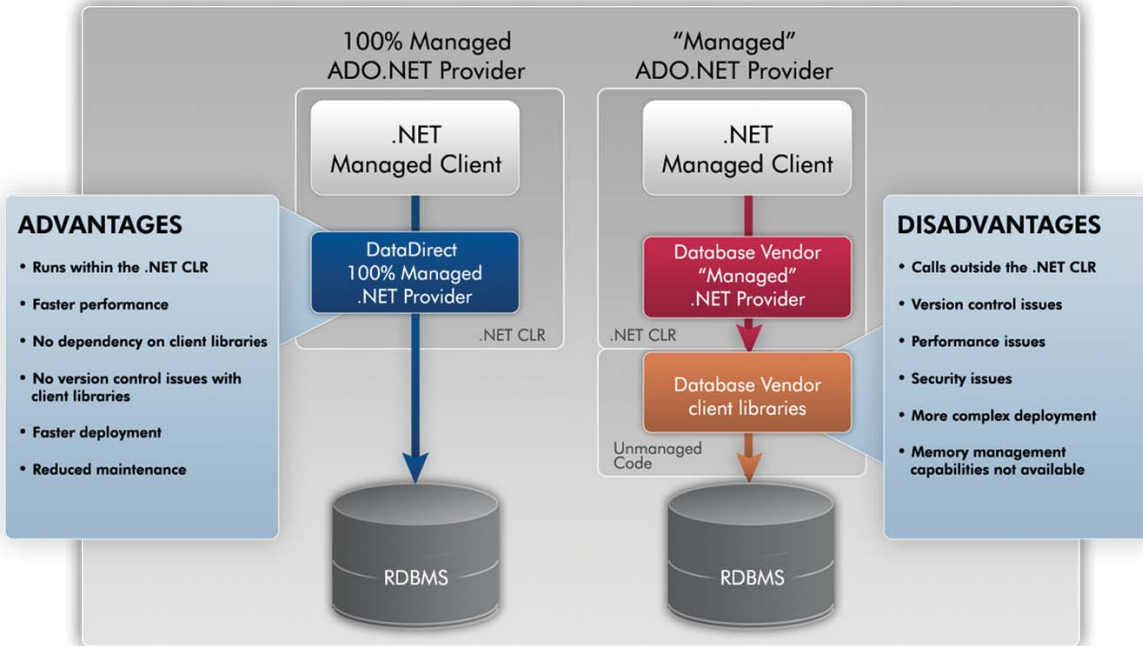
Applications can be developed, tested and deployed with different versions of the ADO.NET provider and database in a completely independent manner. This eliminates the "DLL hell" problems common with native database clients, as well as the need to re-qualify applications running in a shared environment in order to update the providers/database version for an unrelated application.

Provides Unparalleled Interoperability

DataDirect Connect for ADO.NET provides unparalleled interoperability for .NET applications by abstracting differences between different databases and database versions. Some interoperability features include:

- Common code base across providers, regardless of database
- Standard "escape" syntax support for stored procedures, outer joins, scalar functions, and date, time, and timestamps for all databases
- Standard error code mappings (SQLStates) and standardized parameter markers across all databases

DataDirect Connect® for ADO.NET



Features

- Eliminates the need for database client libraries, providing faster performance, speedier deployment, and reduced maintenance, while ensuring support for multiple versions of a database with a single provider.
- Supports "side-by-side" installation of the DataDirect provider; unrelated applications can be deployed on the same server and be upgraded in a completely independent fashion without the need to re-qualify other applications.
- Supports the Microsoft .NET 1.X, 2.0 and 3.0 Framework (including 64-bit), leveraging the latest ADO.NET 2.0 functionality, and allowing your applications to use the latest innovations in performance, security, and deployment.
- Conforms to the ADO.NET 2.0 Common Programming Model, enabling seamless interoperability between applications and any major database.
- Supports database vendor parameter binding and syntax, greatly simplifying coding effort needed to leverage the DataDirect data providers.
- Supports ClickOnce deployment capabilities provided by the .NET Framework.
- Provides visual development aids that are seamlessly integrated into Visual Studio 2005 for improved developer productivity and software performance.
- Supports operating system authentication for creating a Single Sign-On environment.
- Supports SSL encryption to protect critical data.
- Connection failover support and client-side load balancing for all databases.
- Distributed transaction support using Microsoft Distributed Transaction Coordinator (DTC) for all providers.

Databases Supported*

Oracle, IBM DB2, Microsoft SQL Server, Sybase

*See our website for the database versions supported.

Client Platforms

Connect for .NET, Release 2.2 (.NET 1.x Framework):
Windows 98/Me/NT/2000/XP/2003 for Intel

Connect for ADO.NET, Release 3.1 (.NET 2.0/3.0 Framework):
Windows 2000/XP/2003/Vista

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