

## BLUEFINITY'S ADO.NET MANAGED DATA PROVIDER

Included within the Bluefinity mv.NET suite of components is a sophisticated ADO.NET managed data provider, known as **Adapter Objects** providing a robust, high-performance data retrieval and update capability to developers who prefer to use ADO.NET as their data access methodology.

Adapter Objects provides a 100% ADO.NET compliant, pure managed code data provider. This industry standard technology is then augmented by a range of sophisticated extensions which allows the full power of MultiValue systems to be harnessed from within the ADO.NET framework. Adapter Objects supports all of the links to other associated and commonly used .NET classes and components, such as typed datasets and databinding. It is also fully integrated with the Visual Studio IDE environment.

ADO.NET is the standard method by which .NET developers are able to interact with databases. It comprises a large suite of class definitions which, collectively, provide a rich environment for database access and manipulation.

BlueFinity is a leading .NET to MultiValue middleware organization; its team its objective to provide sophisticated interoperability between the .NET and MultiValue environments. The flagship product, mv.NET, provides unparalleled functionality for a wide range of .NET to MultiValue connectivity requirements.

**Use the components best suited to your requirements**

*Uniquely with mv.NET, you get a broad range of components, each providing a slightly different slant on the challenge of providing .NET to MultiValue interoperability. If ADO.NET does not provide the power or flexibility demanded by your application, the other mv.NET technologies can be used to complement, where necessary, your use of ADO.NET.*

**High performance data retrieval.** Adapter Objects is built upon the proven high performance mv.NET data retrieval technology.

**Advanced multivalue/subvalue handling.** Allows extensive control over how MultiValue and subvalued data is handled during data retrieval and update.

**Fetch-on-demand retrieval for the mvDataReader.** Allows data retrieval to be partitioned into 'chunks' for scalable data access solutions.

**Sophisticated multivalue/subvalue data 'exploding'.** Allows row filtering down to subvalue level using multiple field selection criteria.

**Typed DataSet generation.** Allows typed datasets to be generated from your queries. These may then be used programatically or with other .NET components, such as databinding.

**Automatic maintenance of multivalue/subvalue positions during update of normalized data.** This saves valuable development time by removing the need for the developer to write this code.

**Command builder and analyser.** Allows your CommandText properties to be automatically built for you, or, if they have been built programatically, to be checked syntactically and semantically by Adapter Objects.

**Sophisticated session management.** Provides high performance, scaleable session pooling for rapid database session connect and disconnect operations.

**Automated data dictionary usage.** Adapter Objects utilizes your native MultiValue dictionaries. An automated dictionary analyser is provided to allow native dictionaries to be augmented where necessary with 'extended' meta information.

**Remote connectivity support.** The unique 'Gateway' feature of Adapter Objects allows remote users to connect via raw VPN-less, firewall friendly internet-based connections.

**Optimistic and pessimistic locking support.** Allows the appropriate data locking model to be used.

**SQL and MultiValue query syntax.** Allows developers to use the query syntax with which they are most familiar.



**.NET for MultiValue**