

“WebORB truly is a marvel. I was just reviewing it for a new .NET project and had to look at MM's version just for a reference. There's absolutely no comparison. You guys just got it right, no messing around there :) Hope you win em all”

Justin Watkins  
Lead AMFPHP Developer

PRODUCT DATASHEET

# WebORB Presentation Server

Microsoft .NET Edition



## WebORB Feature Highlights

- Fully compatible with the AMF0 and AMF3 protocols.** The product interoperates at the protocol level with any Flex or Flash Remoting client. Provides native support for serialization of all client data types and their mappings to the corresponding .NET types.
- Complete implementation of the Flex Data Services functionality for .NET.** WebORB mirrors Adobe's Flex Data Services architecture consisting of the three major subsystems: Remoting, Data Management and Messaging. The product offers the same user and developer experience as its Java counterpart by supporting the same configuration files, developer APIs and on-the-wire protocol.
- Ease-of-use.** WebORB has been designed to deliver the utmost simplicity with a variety of tasks involved with using and operating the product. Starting from rich application development to deployment and runtime operation, WebORB makes it as easy as possible to get the job done.
- Non-intrusive architecture.** .NET application developers creating server-side code do not need to use any of the WebORB APIs in order to expose applications to Flex, Flash or AJAX clients using WebORB. The product contains special patent-pending logic to expose any .NET application and its resources while allowing dynamic adaptation between client and server data types during runtime.
- Single-step deployment.** Midnight Coders' 'ease-of-use' requirement had a significant impact on WebORB's deployment model. The product can be deployed into any ASP.NET application with a simple file copy. Similarly, an application can be deployed into WebORB by placing its assemblies into the binary (/bin) files folder.
- Industrial-strength security.** The product offers unrivaled support for multiple security mechanisms and pluggable authentication and authorization handling.

WebORB is a powerful and feature-rich platform enabling transparent connectivity between AJAX, Flash Remoting and Flex clients and .NET web applications. The product provides an industrial-strength runtime environment for deploying and hosting .NET objects and services consumed by rich client applications. WebORB for .NET offers a mirrored implementation of Adobe's Flex Data Services functionality and complete server-side Flash Remoting technology.

### WebORB Flex Builder Plugin

Dynamic code generation for any registered .NET data source. The plugin produces MXML and ActionScript code for the client and a dynamic assembly on the server.

### Client Applications

- Flex Client**  
RemoteObject, HTTP, RTMP
- Flash Remoting Client**  
Flash Remoting Components 1.0, 2.0
- AJAX Client**  
WebORB Rich Client System library

### Microsoft .NET v. 1.1, 2.0

#### WebORB for .NET

<b>Pluggable Transports</b> AMF0, AMF3, WOLF, custom pluggable protocol handlers	<b>Management</b> Web-based management console, Configuration, Management & configuration API
<b>Data Management Services</b> Data source synchronization; conflict resolution; transaction services support; client update	<b>Security</b> Code-level security (namespace, class or method level protection)
<b>Message Server</b> RTMP or XML; data push; real-time client update; client-to-client; server-to-client object serialization	Pluggable authentication and authorization,
<b>Serialization/Deserialization</b> Automatic type adaptation; pluggable argument factories; abstract mappings; custom serializers	Configurable access policy (by IP, subnet, credentials)
<b>Object Mapping</b> Client/Server type mapping; server object aliasing	
<b>Invocation Handling</b> .NET objects, XML Web Services; custom invocation handlers; object activation	

## Product Editions

WebORB for .NET is available in three product editions ranging from a free, limited functionality Standard Edition to the most secure and feature-packed Enterprise Edition. Below is a brief summary of features:

	Standard	Professional	Enterprise
AJAX	☑	☑	☑
Flash Remoting	☑	☑	☑
Flex RPC		☑	☑
Flex Data Management			☑
Messaging			☑

## Technical Requirements

- Microsoft .NET Framework v. 1.1 or 2.0
- Microsoft Internet Information Services v.5.0 or later
- 100 MB of disk space
- 512 MB of RAM (1GB recommended)

## About Midnight Coders

Midnight Coders develops tools which empower application developers to produce and deliver sophisticated online applications more efficiently than ever before. The goal for our products is to enable a new generation of web applications with enhanced UI capabilities, robust client-server communication, streamlined data synchronization, transaction services support and real-time messaging. Our flagship product, WebORB, is a platform for developing and hosting rich internet applications. In particular, it provides an implementation of Flex Data Services like functionality for the .NET, PHP and Ruby on Rails programming environments. Midnight Coders' customer base of over 100 clients includes Directv, Piper Jaffray, Ingersoll Rand, US Navy, National Rifle Association, Laquinta Inns, Ackerman McQueen, Cobalt Group, UCLA, and Pelco. Headquartered in Dallas, TX, Midnight Coders is a privately held company.