



.NET Bridge

Enterprise-class Transaction Integration™ solutions for small and medium businesses which have implemented Microsoft's .NET

Application Integration Framework™ Advantages

API / Runtime Environment

- Fully extensible code
- Server-based implementation
- NT, UNIX or Linux
- Efficient program execution
- Built-in browser or terminal emulator for 3270, 5250, VT, Tandem 6530, and Unisys UTS

.NET Integration

- Seamless connectivity to all .NET applications
- Server-based implementation
- NT, UNIX or Linux
- Runs concurrently with all Runtime Environments
- Full object-oriented model

The .NET Bridge is an interoperability product that enables all of Red Oak's portfolio of application integration solutions to fully participate in the cross-language development capabilities of Microsoft .NET. .NET Bridge allows classes written in .NET languages, such as C#, C++, and Visual Basic, to seamlessly and transparently access the API's of Red Oak's AIF products as if they were composed of .NET objects.

This product builds upon the proven integration technologies being used by many Fortune 500 corporations which have already implemented efficient, effective and highly scalable solutions.

At the core of the .NET Bridge is a set of proxies that expose the AIF products' APIs and manage the communications between .NET and the underlying integration classes. Once you have added these pre-generated proxies to your current integration project, you can access the underlying classes from any .NET application.

When deployed, the .NET classes communicate with the Red Oak classes

via these pre-generated proxy classes. The .NET code runs on a .NET CLR (Common Language Runtime) while the Red Oak product code runs on any JVM. .NET Bridge's communications architecture then enables the construction of distributed systems through the support of SOAP or a high-speed binary protocol based on .NET remoting.

The product's capabilities enable you to:

- Utilize enterprise-class integration solutions while participating in the cross-language capabilities of .NET.
- Have .NET code seamlessly access your Red Oak objects and methods, including the construction of objects, the passing and return of objects, and the throwing of exceptions.
- Extend your current Red Oak solutions by having classes written in other .NET-supported languages inherit from the existing classes.
- Interoperate with all Red Oak compiled class libraries.

Benefits and Advantages of .NET Bridge

- Extend the enterprise-level capabilities and high performance functionality of all Red Oak integration solutions into a .NET environment
- Spend hours instead of weeks solving your .NET interoperability needs, while continuing to utilize Red Oak solutions for integration
- Leverage your investment in existing Red Oak solutions while pursuing new .NET initiatives
- Make use of skilled development teams with .NET expertise who require access to proven enterprise-level, scalable integration solutions
- The back-end portion of the application integration remains cross-platform, and will run on any system
- The .NET Bridge will continue to work as the technology environment evolves, so you are not locked into a particular version of .NET

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