INTRINSYC

WebSphere

WebLogic

JBoss

Sun Application Server

Any IIOP Compliant App Server

J2EE / J2SE

VisiBroker

JacORB

Orbix

CORBA

IIOP / SSLIIOP

VB .NET

Visual J# .NET

Visual C# .NET

Visual C++

J-Integra Espresso

.NET

J-Integra Espresso

J-Integra Espresso is part of Intrinsyc's comprehensive suite of Enterprise Interoperability Solutions which includes J-Integra for COM, J-Integra for .NET, and J-Integra for Exchange. These solutions are used by Fortune 1000 companies to effectively integrate and harness the most powerful features of Java and Microsoft technologies.

J-Integra Espresso is a powerful new middleware solution that enables high-performance, bi-directional, secure and scalable interoperability between Microsoft .NET, Java and Common Object Request Broker Architecture (CORBA) applications.

While existing J-Integra products implement standard Microsoft protocols in pure Java, J-Integra Espresso implements a pure .NET version of the standard RMI/IIOP binary protocol present in all J2EE and J2SE Java environments. This approach remains consistent with Intrinsyc's simple, one-sided deployment philosophy and provides alternatives when deployment restrictions prevent any software changes on the Java side.
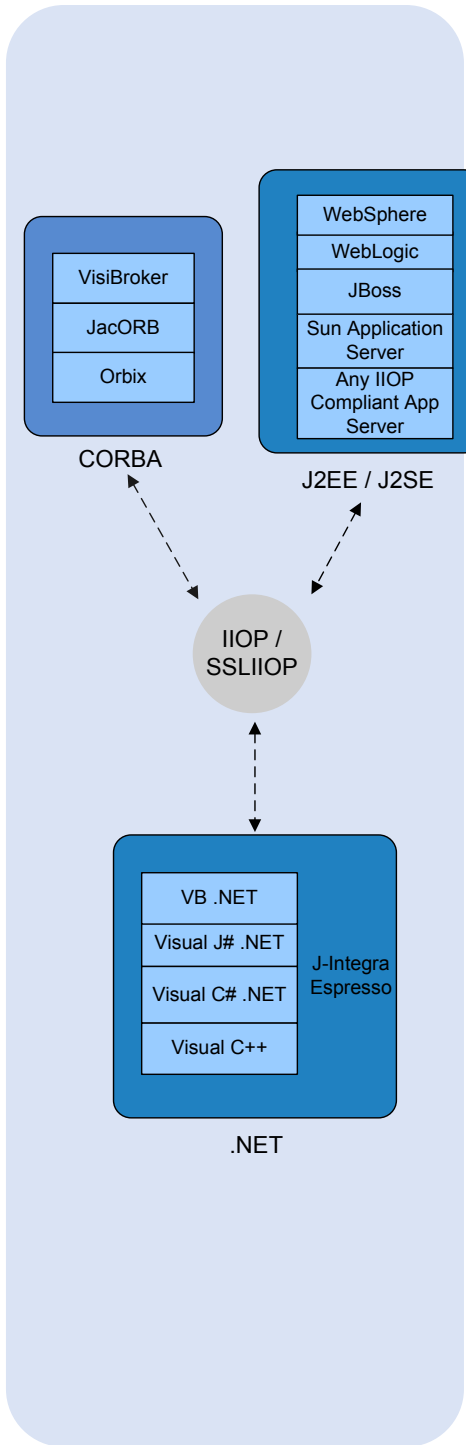
J-Integra Espresso also delivers significantly higher performance compared to other commercial and open-source middleware alternatives and most importantly, provides a secure, scalable and efficient alternative when pure Web Services cannot meet performance objectives.

�֍ Seamless Integration between Java or CORBA and Microsoft .NET

Most enterprises today utilize a combination of Java, CORBA and Microsoft technologies in their everyday business processes. For most, the seamless integration of Microsoft .NET, Java and CORBA applications remains a common challenge while aiming to emphasize interoperability and to extend existing software infrastructure and application investments.

Intrinsyc's J-Integra Espresso is a middleware integration technology that bridges Microsoft .NET with Java or CORBA systems. Using J-Integra Espresso, Java, CORBA and .NET applications can seamlessly interact, enabling companies to take advantage of the best available software applications regardless of what technology they are based on and without sacrificing interoperability. J-Integra Espresso also saves development time by enabling organizations to leverage existing Java, .NET and CORBA skills.

J-Integra Espresso provides additional performance, scalability and security benefits since it uses the Internet Inter-ORB Protocol (IIOP) present in virtually any Java environment along with Secure Socket Layer (SSL) support.

Complete Support from .NET to Indigo

J-Integra Espresso is written as fully managed C# code and is therefore compatible with any .NET language (C#, ASP,.NET,…). This means any .NET component, whether running on.NET 1.1, the latest .NET 2.0 or future Indigo platforms will be able to directly interact with any Java component using J-Integra Espresso.

Applications

Some practical uses of J-Integra Espresso include:

- Use any language supported by .NET to write clients for Enterprise JavaBeans (EJBs)
- Access .NET components from any Java object
- Integrate ASP.NET with EJBs
- Connect Java Servlets together with .NET components
- Access an Internet Information Server (IIS) component from Java
- High-performance alternative to Web Services in tightly coupled distributed applications

Features

- Pure .NET implementation, 100% managed code
- Bi-directional: .NET to Java/CORBA, Java/CORBA to .NET
- Supports .NET 1.x and 2.x under Windows 2000/NT/XP
- Compatible with JDK 1.3 and higher
- Enables interoperability with any J2EE and CORBA infrastructure that is IIOP-compliant such as VisiBroker, Orbix, JacORB, JBoss, WebLogic, and WebSphere
- Support for IIOP transport protocols, including SSL and TLS over IIOP (SSLIOP)
- Maintenance of class hierarchy between Java and CLR classes
- Marshalling objects by reference or by value
- Invocation of methods on CLR objects from Java
- Invocation of methods on Java objects from CLR
- Java/CLR primitive types as parameters/return values
- Passing Java/CLR objects by reference and by value as Parameters/return values
- Multidimensional arrays as parameters/return values
- Propagation of exceptions between Java and .NET and vice-versa
- Callbacks and Logging
- Accessing EJBs as CLR components
- No touch on the Java Application server side
- IIOP / GIOP 1.0, 1.1, 1.2
- Naming Service Support
- Fragmentation for GIOP 1.2
- CORBAloc Support
- CORBA 2.3 code set
- IDL Compiler (C#)
- Portable Object Adapter (POA)
- Event Service Support
- Multi threaded ORB

Availability

For a free trial download of J-Integra Espresso, please visit:
http://j-integra.intrinsyc.com/downloads/

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