

Artix[®] Connect for WCF

Release Notes

Version 1.5
October 2008

Release Notes

Progress Software

Version 1.5

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Release Notes

These release notes include details of new features, bug fixes, and known issues in version 1.5 of Artix Connect for WCF.

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New Features

Artix Connect for WCF 1.5 includes the following new features:

EJB support

This release adds the unique ability for a WCF programmer to connect to and use EJBs within their existing J2EE architecture—without requiring any changes to the J2EE application server. This no-impact approach to J2EE integration is based on the standard RMI/IIOP transport, supported by all compliant J2EE application servers on the market.

JMS consumer support

Artix Connect for WCF applications can now act as JMS consumers and receive messages from JMS topics subscriptions and/or queues.

CORBA security

Artix Connect for WCF clients can now connect to secure CORBA applications using either of the following protocols:

- Transport Layer Security/Secure Sockets Layer (TLS/SSL) mutual authentication
 - Common Secure Interoperability Protocol version 2 (CSIv2)
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BizTalk support

This release adds full support for integration with Microsoft BizTalk 2006 R2.

Windows Vista support

Artix Connect for WCF 1.5 supports Microsoft Windows Vista Service Pack 1 (32-bit).

Logging

Artix Connect for WCF now extensively uses Apache log4net, a flexible .NET logging engine. Logging can be redirected to almost any location including the Event Log, rolling files, stdout, Telnet, and SMTP.

For details on the supported frameworks, see <http://logging.apache.org/log4net/release/framework-support.html>.

Bugs Fixed

The following bugs have been fixed in this release:

Table 1. Bugs Fixed in this Release

Bug #	Description
MSFT-474	Cannot parse IDL in a read-only location.
MSFT-483	Make Artix Administration tool available outside of Visual Studio.
MSFT-532	Failure to start Artix Service.
MSFT-545	Wizard screen forces itself to the top of all windows.
MSFT-556	Reply messages returned from HTTP request to WCF with incorrect WS-Addressing headers.
MSFT-562	Some files not being cleared up after uninstall.
MSFT-580	Get an unfriendly error if you provide a corrupt or invalid IDL file.
MSFT-587	Importing corrupt deployment bundle files should produce a better error message.
MSFT-588	Need to provide stderr/stdout from IDLtoWSDL upon failure to parse IDL.
MSFT-589	Need better READMEs for the samples.
MSFT-628	Problems importing a non-existent bundle file during silent installation.
MSFT-693	Error thrown with certain IDLs that use modules.
MSFT-718	Router port duplication between clients and services.
MSFT-725	If user resets Artix Service, some deployed services still show in the Clients tab.
MSFT-735	Import Bundle hangs if the container cannot start after import.
MSFT-786	Visual Studio sample names don't reflect the demo they belong to.
MSFT-858	Interaction problems with CORBA include paths.
MSFT-859	Logic for checking validity of IOR/CORBAloc is incorrect.
MSFT-868	JNDI name is being set but not default JNDI port.
MSFT-919	Delete button enabled when client selected in tree screen.

Known Issues

The following are known issues in Artix Connect for WCF 1.5:

Visual Studio 2008 not supported

Artix Connect for WCF does not yet support Microsoft Visual Studio 2008. This is because the Microsoft LOB Adapter does not yet support Visual Studio 2008.

JMS limitations

Artix Connect for WCF can contact only one type of JMS broker on your system at a time.

You can contact different instances of the same type of broker on different machines, but you cannot, for example, contact an ActiveMQ broker and SonicMQ broker from the same application at the same time. This is because the Java JMS class names are standardized and the JVM inside the Artix service can load only one instance of those classes at a time.

CORBA security restrictions

When connecting to a CORBA application, you can use only one security model at a time:

- Insecure
- Secured with mutual authentication
- Secured with CS1v2

This means that if you deploy a secure client, existing insecure clients will stop working and you will be unable to deploy any more insecure clients.

It is also not possible to mix mutual authentication and CS1v2. The most recently deployed security model will be the one used by the Artix Service.

Multiple services with the same service name not supported

Artix Connect for WCF does not support more than one service with the same service name. In addition, it does not support more than one CORBA interface with the same name, even if they are in separate modules.

JMS listeners

If you have deployed a JMS service that consumes messages from a JMS broker and the broker is unavailable, you will be unable to restart the Artix Service. You can restart the Artix Service once the JMS broker is available.

Reporting Problems

Contact customer support at www.iona.com/support/contact/
[<http://www.iona.com/support/contact/>]

Other Resources

If you need further help please use the following resources:

Communities

Communities (<http://communities.iona.com/>) is a forum for discussion and providing feedback to the engineers, product managers, and support staff associated with this product. It provides an easy way to propose product ideas, raise concerns, post use cases, and discuss future product plans.

Training services

Training Services (www.iona.com/info/services/ps/training/ [<http://www.iona.com/info/services/ps/training/>]) delivers practical and insightful courses that cover technical and product issues as well as standards-based best practices gleaned from real-world projects.

Consulting

Consulting (www.iona.com/info/services/consulting/ [<http://www.iona.com/info/services/consulting/>]) provides product expertise and consulting solutions that empower end-users, system integrators and software vendors with the knowledge to fully leverage our products.

Online documentation

Online Documentation (www.iona.com/support/docs/ [<http://www.iona.com/support/docs/>]): The latest updates to the Artix Connect for WCF documentation are posted on-line.

Knowledge Base

Knowledge base articles (<http://www.iona.com/support/kb/>): A database that contains practical advice on specific development issues, contributed by developers, support specialists, and customers.