Artix™

Artix Connect Release Notes

Version 4.0, August 2006

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Artix Connect 4.0

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New Features in Artix Connect 4.0

The main new features in Artix Connect 4.0 are:

- Support for writing .NET servers that can be accessed using any of the transports and protocols supported by Artix.
- Support for using the Artix locator.
- Support for using the Artix session manager.
- Support for Artix security.
- An Add IDL Reference wizard that can be launched from within the Microsoft Visual Studio .NET 2003 development environment. The wizard enables a .NET developer to select the IDL file and IOR of a CORBA server and generate the required .NET metadata and client helper code. This makes writing a .NET client of a CORBA service easy.
- An `idltowsdl` command-line tool that a .NET developer can use to generate a WSDL file from a CORBA IDL file.
- New type support, including:
  - all XML Schema datatypes
  - anonymous sequence / all types
  - making callbacks into applications running outside the default AppDomain (that is, IIS)
  - passing references as in Args.

- attribute with in-line data description and with fixed value
- complex type derived from simple type
- porttype name that clashes with complex type name

- New demos for all new features.

Known Issues in Artix Connect 4.0

The following are known issues in Artix Connect 4.0:

Uninstaller does not Remove all Files

The uninstaller does not remove many of the files created under the installation directory. To uninstall these files you need to remove the install directory using Windows explorer. The installer does, however, remove the Artix Connect wizards from the global assembly cache and Windows registry, the custom remoting dll from the global assembly cache, and the wizard icons from the Visual Studio installation.

Error Message When Building Locator Demo from Command Line

When building the locator demo from the command line, the following message appears if the locator has not been started:

```
Cannot create WsdlEndpointReference: WSDL exception: Fatal Error
   in XML Parser (id: , line: 0, column: 0, reason: An exception
   occurred! Type:NetAccessorException, Message:Could not
   connect to the socket for URL
   'http://localhost:1393/get_wsdl/WPb9cb/container.wsdl')
```

This message can safely be ignored.

Visual Studio 2003 Restriction Affects Wizards

Due to a restriction in Visual Studio 2003, only one Visual Studio process should be running when the Add Artix Reference or Add CORBA Reference wizards are used.

Bugs Fixed in Artix Connect 4.0

The following bugs have been fixed in Artix Connect 4.0:

Table 1: *Bugs Fixed*

Bug #	Description
ARTN-40007	Change order of dependencies in `.sln` file to avoid having to rebuild everything before running a demo.
ARTN-40012	Add registry key to ensure ArtixConnect.DLL assembly is available from inside Visual Studio .NET when right clicking on Assembly List.
ARTN-40028	The wsdltocs tool makes the first letter of a member name lowercase.
ARTN-40041	Problem with making callbacks into apps that do not run in the default app domain.
ARTN-40060	Wizard GUI always generates starting point code.
ARTN-40074	Support for "." in generated C# code in Visual Studio Wizard.
ARTN-40077	`wsdltodotnet` tool does not parse errors from `wsdltocs` correctly.
ARTN-40082	Start menu buttons should call `artix_env`
ARTN-40084	`wsdltocs.exe` tool generates log4j output.
ARTN-40087	Remove `client.wsdl` file from locator demo. It is confusing.
ARTN-40089	Add `idltowsdl` utility to kit - it wraps "idl -wsdl"
ARTN-40099	COMException raised when using Add IDL Reference wizard.
ARTN-40101	Wizard gui graphics misaligned.
ARTN-40102	`wsdltodotnet -source` switch generates type assembly DLL when there are multiple porttypes in a wsdl file.

Table 1: *Bugs Fixed*

Bug #	Description
ARTN-40105	GUI Wizard does not show all available services when multi-service WSDL is selected.
ARTN-40112	Debug/Start Without Debugging builds "standard" demos again.
ARTN-40118	Include `JETVMPROP` in `artix_connect_env`.
ARTN-40120	Add license installer start menu option
ARTN-40122	Include a new `artix_connect_env`.
ARTN-40125	All demo clients pause for user to press return before exiting.
ARTN-40136	Installation of MQ transport by default.
ARTN-40131	Installer not correctly registering elements when space in directory.

Reporting Problems

Contact customer support at http://www.iona.com/support/contact/.

Other Resources

If you need further help please use the following resources:

- Artix TechZone (`http://www.iona.com/devcenter/artix`) is a free online forum where IONA developers, your peers and other professionals come to share tips on Artix Web services development.
- IONA University (`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.
- IONA Professional Services (`http://www.iona.com/info/services/consulting/`) provide product expertise and consulting solutions that empower end-users, system

integrators and software vendors with the knowledge to fully leverage IONA products. Together, IONA consultants and products equip you with a single platform for integrating and developing extremely reliable, scalable and secure e-business systems.

- IONA Security Mailing List (`security-alert@iona.com`): The mailing list provides security updates assocaited with all IONA products. To recieve security updates from IONA send mail to listserver@iona.com with no subject and the body text `subscribe security-alert` *`youremail`*.

  Note: Please do not try to post queries to this e-mail alias; it has been set up only to notify you of security alerts.

- Online Documentation `http://www.iona.com/support/docs/artix/connect/4.0/index.xml`)The latest updates to the Artix Connect documentation are posted online.
- Knowledge base articles (`http://www.iona.com/support/index.xml`): A database that contains practical advice on specific development issues, contributed by IONA developers, support specialists, and customers.