



Artix™ Registry/Repository

Release Notes

Version 1.5, November 2007

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New Features

Artix Registry/Repository 1.5 includes the following new features:

- [Support for New Products](#)
- [Migration Support](#)
- [Versioning](#)
- [Support for New Containers](#)
- [Support for UDDI v3](#)
- [New Custom Metadata Construct](#)
- [Improved Infrastructure Perspective](#)
- [Updated Sample](#)

Support for New Products

Support has been added for the following IONA products:

- Artix ESB 5.x, including the new Artix Java runtime
- Artix Orchestration 5.x
- FUSE Services Framework 2.0

In addition, Artix Registry/Repository 1.5 supports Apache CXF 2.0.

Migration Support

Artix Registry/Repository 1.5 includes a migration and patching utility that allows you to migrate your existing repository data when upgrading to a new version of the product. See the [Installation Guide](#) for details.

Versioning

Users can now manage multiple versions of their services and other repository objects. We have extended the search function to include version aware queries. See the [SOA Architect's Guide](#) for details.

Support for New Containers

As part of the new product support, you can add the following container types to your Artix Registry/Repository infrastructure:

- Spring container, as provided in the Artix 5.x installation
- Apache Tomcat

Support for UDDI v3

You can now publish to a UDDI version 3 registry from Artix Registry/Repository. For details on adding a UDDI v3 registry to your repository, see the [Administrator's Guide](#). For details on publishing to a UDDI v3 registry see the [Deployer's Guide](#).

New Custom Metadata Construct

You can now extend your repository metadata using a new “attribute definition” construct.

An attribute definition is a label with an associated value. You can assign these name/value pairs to your repository objects and use them when searching the repository and when creating governance rules. See the [Administrator's Guide](#) for details.

Improved Infrastructure Perspective

Based on user feedback, we have improved performance and ease of use in the Artix Repository Infrastructure perspective. See the [Deployer's Guide](#) for details.

Updated Sample

The Ticket System sample includes JAX-WS implementations of each service, which you can import either as a JAR or as a Web archive (WAR). See the [Getting Started](#) Guide for a guided walkthrough.

Documentation Updates

The Artix Registry/Repository documentation library has been updated as follows for this release:

Installation Guide

This guide includes details on running the new migration and patching utility.

Getting Started

The Getting Started guide has been updated to reflect support for JAX-WS services and for versioning.

Online Help

The online help has been updated to reflect the following:

- Newly supported products and containers
- Changes to the Service import wizards
- Versioning
- Attribute definitions
- Revised Infrastructure perspective
- Changes to the Search feature
- UDDI v3

Administrator's Guide

This guide has been updated to reflect the following:

- Newly supported products and containers
- Versioning and version search
- Attribute definitions
- Revised Infrastructure perspective
- UDDI v3

SOA Architects's Guide

The SOA Architects's guide has been updated to reflect the following:

- Support for new products and containers
- Policy support for Artix Java services
- Changes to the Service import wizards
- Versioning
- Attribute definitions

Deployer's Guide

Updates to this guide include the following:

- Packaging and deploying for Spring container and Apache Tomcat
- Changes to the Infrastructure perspective
- Contents of Artix JAX-WS deployment archives

Policy Developer's Guide

The following changes have been made to this guide:

- Updates to procedures for writing policy templates and rules
- Updates to introductory material
- Reorganization of content

Known Issues

The following are known issues in Artix Registry/Repository 1.5:

- [Documents May Be Inaccessible Due to Invalid URL](#)
- [Cannot Run All Sample Services in One Artix Container](#)
- [Cannot Import WAR Containing Multiple Implementations](#)
- [Intermittent Error in Infrastructure Perspective](#)
- [Buttons Incorrectly Enabled for Spring Containers](#)
- [Security Policies Do Not Work for Artix 5.0 JAX-WS Services](#)
- [Consumer Packaging Not Supported in CXF and FUSE](#)
- [Installation Directory on Windows](#)
- [Packaged Consumer By-passes Locator](#)

Documents May Be Inaccessible Due to Invalid URL

Sometimes, opening a document from the **Documents** folder in the Repository Explorer view throws an error. Similarly, running governance rules may throw a “WSDLDocument for service *ServiceName* is not present” error.

This is caused by the Artix Registry/Repository Client using an invalid URL to access the document.

To workaround:

1. Go to the `InstallDir/repository/etc` directory.
2. Open the `repository.properties` file in a text editor.
3. Add a `repository.url.host` configuration variable to the file and set its value to a valid hostname.

Cannot Run All Sample Services in One Artix Container

Deploying all the services in the Ticket System sample into a single Artix standalone container results in a classloader error at runtime.

To workaround, deploy the `TicketShop` service into a separate Artix container.

Cannot Import WAR Containing Multiple Implementations

Importing a JAX-WS service via a WAR file containing multiple service implementations is not supported. Ensure that each JAX-WS service is assigned its own WAR before importing.

Intermittent Error in Infrastructure Perspective

An error may occur intermittently in the Infrastructure perspective when the Artix Registry/Repository client tries to poll the containers registered with the repository. This causes error markers to temporarily appear next to the service in the Service Monitor view and logs an error in the Error Log view.

Buttons Incorrectly Enabled for Spring Containers

In the Service Monitor view of the Infrastructure perspective, the **Stop** and **Verify Policy** buttons are both enabled for running Spring containers, even though that functionality is not supported for Spring.

Security Policies Do Not Work for Artix 5.0 JAX-WS Services

JAX-WS security policies do not work in Artix ESB 5.0. If you want to apply security policies to your JAX-WS services, you must use version 5.1 of Artix.

Consumer Packaging Not Supported in CXF and FUSE

Packaging is not supported for Apache CXF 2.0 or FUSE Services Framework 2.0 consumers.

Installation Directory on Windows

The Artix Registry/Repository client fails to launch on Windows if the product is installed in a directory beginning with the letter “u”. This is an issue with Eclipse which sees the \u character combination as indicating a Unicode character.

Packaged Consumer By-passes Locator

When you package a consumer in an assembly that includes a locatable service, the service’s WSDL file is included in the consumer package. This causes the consumer to by-pass the locator and contact the service directly at runtime.

To workaround, delete the service’s WSDL from the `etc` directory in the consumer’s package file structure.

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 Registry Repository Community](http://communities.iona.com/community/arr) (<http://communities.iona.com/community/arr>) provides an open, collaborative environment in which customers can interact with IONA engineers, product managers, documentation writers, support personnel, and other customers.
- [Artix TechZone](http://www.iona.com/devcenter/artix) (<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. Visit the Artix TechZone today to start making the most of your Artix development experience.

- [IONA Training Services](http://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.
- [IONA Consulting](http://www.iona.com/info/services/consulting/) (<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](mailto:security-alert@iona.com) (security-alert@iona.com): The mailing list provides security updates associated with all IONA products. To receive 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 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/index.xml) (<http://www.iona.com/support/docs/index.xml>): The latest updates to the Artix documentation are posted on-line.
- [Knowledge base articles](http://www.iona.com/support/kb/index.jspa) (<http://www.iona.com/support/kb/index.jspa>): A database that contains practical advice on specific development issues, contributed by IONA developers, support specialists, and customers.