Service Registry 3.1 Release Notes for Microsoft Windows

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◆ ◆ ◆ CHAPTER 1

Service Registry 3.1 Release Notes

These release notes contain important information available at the time of release of Service Registry 3.1. New features and enhancements, known issues and limitations, and other information are addressed here. Read this document before you begin using Service Registry.

The most up-to-date version of these release notes can be found at the Sun documentation web site at `http://docs.sun.com`. Check the web site prior to installing and setting up your software and then periodically thereafter to view the most up-to-date release notes and product documentation.

These release notes contain the following sections:

- "What's New in Service Registry 3.1" on page 6
- "Default Paths and File Names" on page 7
- "Hardware and Software Requirements" on page 7
- "Features Nearing End of Life" on page 8
- "Service Registry 3.1 Documentation" on page 8
- "Bugs Fixed in This Release" on page 8
- "Known Issues and Bugs" on page 10
- "Localization Issues" on page 14
- "Documentation Issues" on page 16

Third-party URLs are referenced in this document and provide additional, related information.

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What's New in Service Registry 3.1

This section provides information related to new features, functionality, and supported products in Service Registry 3.1.

New Access Port for Service Registry

The Service Registry default access port value has changed because the previous port value, 6060, conflicted with a value that was registered with the Internet Assigned Numbers Authority (IANA) for the use of the X Window System (X11). The new default access port value is 6480. All default Service Registry ports are now registered with IANA.

Any existing clients that use the Java API for XML Registries (JAXR™) should be changed to use the new port value. The properties `javax.xml.registry.queryManagerURL` and `javax.xml.registry.lifeCycleManagerManagerURL` specify this port value for JAXR clients. If these properties are defined in a properties file, you do not have to recompile the clients.

Installation Path Names for Service Registry

The installation path names for Service Registry have changed, as shown in the following table.

TABLE 1–1 Installation Paths for Service Registry

Description	Java ES4 Path Name	Java ES5 Path Name
Base Installation Directory	`C:\Sun\ServiceRegistry`	`C:\Program Files\Sun\JavaES5\srvc-registry`
Domain and Data Installation Directory	`C:\Sun\ServiceRegistry`	`C:\Program Files\Sun\JavaES5\srvc-registry\data`

New Configuration Target Name

In the previous Service Registry release, the name of the Ant target you used to configure Service Registry was `install`. In this release, the target name is `configure`. The `install` target is still supported for backward compatibility, but might be removed in a future release. See Chapter 1, "Configuring and Setting Up Service Registry," in *Service Registry 3.1 Administration Guide* for details.

Accessibility Features for People With Disabilities

To obtain accessibility features that have been released since the publishing of this media, consult Section 508 product assessments available from Sun upon request to determine which versions are best suited for deploying accessible solutions. Updated versions of applications can be found at `http://sun.com/software/javaenterprisesystem/get.html`. For information on Sun's commitment to accessibility, visit `http://sun.com/access`.

Implementation-Specific API

Service Registry includes an implementation of version 1.0 of the Java API for XML Registries (JAXR) specification. JAXR version 1.0 was written to support the UDDI and ebXML Registry 2.0 specifications. The implementation of JAXR in Service Registry includes nonstandard extensions to JAXR version 1.0.

Default Paths and File Names

The following table describes the default paths and file names that are used in this book.

TABLE 1–2 Default Paths and File Names

Placeholder	Default Value	Description
ServiceRegistry-base	`C:\Program Files\Sun\JavaES5\srvc-registry`	The base installation directory for Service Registry.
DomainRegistry-base	`C:\Program Files\Sun\JavaES5\srvc-registry`	The directory where the Application Server domain for Service Registry is located and where the Service Registry database is located.
Ant-base	`ServiceRegistry-base\install\an`	The directory where the Java ES version of the `Ant` tool is located.

Hardware and Software Requirements

This section lists the requirements that must be met before installing Service Registry 3.1.

For the most part, the requirements for Service Registry are the same as the requirements for Sun Java System Application Server. The disk space requirements in the following table are in addition to the disk space requirements for Application Server.

TABLE 1–3 Hardware and Software Requirement

Component	Requirement
Operating System	Windows 2000 Advanced Server SP4
	Windows XP SP2
	Windows 2003 Enterprise Server (32 bit)
	Windows 2003 Enterprise Server (64 bit)
Minimum Memory	512 MByte
Recommended Memory	1 GByte
Minimum Disk Space	65 MByte free
Recommended Disk Space	100 MByte free
Java Virtual Machine (JVM)	J2SE™ release 5_02

Features Nearing End of Life

User Registration Mechanism

This release of Service Registry relies on its own user management and authentication mechanism.

Service Registry 3.1 Documentation

The Service Registry documentation set is available at `http://docs.sun.com/coll/1314.2`.

Bugs Fixed in This Release

The following table describes the bugs that were reported at Service Registry 3 and that have been fixed or closed in Service Registry 3.1.

TABLE 1–4 Bugs Fixed or Closed in This Release

Bug Number	Description
6290339	`EmailAddress` objects cannot be retrieved for `Organization` objects

TABLE 1–4 Bugs Fixed or Closed in This Release *(Continued)*

Bug Number	Description
6297023	`ClassificationScheme` display persists between publish operations
6298946	Attempt to create reference between `Organization` objects causes error
6303812	Duplicate user name causes unclear error message
6305210	Registry cannot use English locale if application server domain uses non-English locale
6312083	Some searches return unexpected results
6312094	Registration wizard ignores required values when creating certificate distinguished name
6313327	Service Registry configuration fails after reinstallation
6313791	Administration tool fails when `-alias` option is used
6318002	Errors occur after creation of `ExtrinsicObject` or `ExternalLink` with invalid concept
6323057	Deleting `AuditableEvent` for object creation causes exceptions
6324423	Attempt to view repository item before clicking the Apply button causes error
6338836	Problem while creating user account using upload certificate option
6397404	WSDL cataloger does not inform user of missing dependencies
6415812	`java.lang.OutOfMemoryError: PermGen space` error
6430997	Some web console strings are not localized
6436398	Web console does not display localized classification schemes and nodes
6438523	Set or Change Status combo box not getting updated
6443263	Clicking an association results in exception in server log
6456272	Clicking the Delete button in the slots tab throws an exception
6466376	WSDL cataloger fails to replace temporary IDs
6470179	Clicking the Remove button in the Association tab displays an error message
6472233	Could not create predefined query
6477124	Clicking the Apply button does not persist changes made in the Details page

Known Issues and Bugs

The following known issues and bugs affect the operation of the Service Registry 3.1 release.

6248218: Versioned `RegistryPackage` Loses Its Contents

Problem Summary: If versioning is enabled and if you change a `RegistryPackage` object so as to create a new version of the object, all the package contents disappear from the new version.

Workaround: Do not enable versioning. See "Enabling Versioning of Registry Objects" in *Service Registry 3.1 Administration Guide* for more information.

6248293: `Classification` Is Added to Both Old and New Versions of Object

Problem Summary: If versioning is enabled, and if you add a classification to one version of the object and save the object, the classification now exists in both the old version and the new version.

Workaround: Do not enable versioning. See "Enabling Versioning of Registry Objects" in *Service Registry 3.1 Administration Guide* for more information.

6248418: Adding `Classification`, `ExternalIdentifier`, or `Slot` Deletes `ExternalLink`

Problem Summary: If versioning is enabled, and if you add a `Slot`, `Classification`, or `ExternalIdentifier` to an object that has an `ExternalLink`, the `ExternalLink` disappears from the new version of the object.

Workaround: Do not enable versioning. See "Enabling Versioning of Registry Objects" in *Service Registry 3.1 Administration Guide* for more information.

6359188: Attempt to Create Association To or From a Deprecated Object Owned by User Does Not Cause `IllegalStateException`

Problem Summary: The JAXR specification does not allow a user to create an association either to or from an object that is deprecated. However, the Service Registry JAXR provider permits a user to create such an association if the user owns the deprecated object.

6374079: `Person` and `User` Details Areas Aren't Identical

Problem Summary: The Details area for a `Person` object does not allow the user to add a `PostalAddress`, `EmailAddress`, or `TelephoneNumber`, although a `Person` object contains all those attributes.

Workaround: Create a `User` object instead of a `Person` object. You can add all these attributes to a `User` object.

6407168: Admin Tool `add association` Command Outputs Misleading Errors

Problem Summary: An attempt to issue the Admin Tool command `add association` to create an association that the user is not authorized to perform results in a misleading error message. For example, if a user who is not an administrator tries to create an association of type `HasMember`, the following error message appears:

```
No Concept object exists for type: HasMember
```

6407974: Many Files Remain in Temporary Directory

Problem Summary: The WSDL cataloguing service leaves XML and XSLT files on the server, in the directory specified by the `java.io.tmpdir` property of the `install.properties` file. In addition, the user authentication process leaves files that begin with `.omar` and have the suffix `.jks` in the same directory. These files are not deleted until the Registry domain is stopped.

Workaround: Files with names similar to the following examples can be deleted. The n variable represent a number.

```
CanonicalXMLValidationService_OutputFilennnnn.xml
InvocationControlFile_WSDLValidationnnnnn.xslt
```

6422192: `NullPointerException` When Using Service Registry 3.1 Admin Tool With Service Registry 3.0

Problem Summary: If you use the Service Registry 3.1 Admin Tool with a deployed Service Registry 3.0 version commands such as `cp` and `rm` result in a `NullPointerException`.

Workaround: Use the Service Registry 3.1 Admin Tool only with Service Registry 3.1, and use the Service Registry 3.0 Admin Tool with Service Registry 3.0.

6436598: WSDL Cataloguer Does Not Delete or Update Catalogued Objects When Source Object Is Deleted or Updated

Problem Summary: When you use the WSDL cataloging service to create a service by publishing a WSDL file to the Registry, the Registry creates a large number of objects that are part of the service. When you delete or update the service or the WSDL file, these objects are not deleted or updated. You must delete or update these objects individuallywhen the service or the WSDL file is deleted or updated.

Workaround: None.

6487653: Set or Change Status Button on Object Creation Does Not Work

Problem Summary: While you create an object, the Set or Change Status button is not dimmed. However, you cannot set or change the status of an object that has not yet been created. If you click this button, an error message appears, stating that the object cannot be found.

Workaround: Do not click the Set or Change Status button on an object that you are creating. Click Apply to complete the creation of the object, then search for the object and change its status.

6499274: Status of Modified Object Is Null

Problem Summary: New objects have the the status `Submitted`. After you modify and save the object, however, its status changes to `null`. The object should continue to have the status `Submitted`.

Workaround: None.

6500654: Description and Button in Select Classification Node Window Do Not Match

Problem Summary: If you click the Select Classification Node button in the Search area, the text says to click OK after choosing a concept, but the button is labelled Close.

Workaround: None.

6500668: User Registration Wizard Does Not Explain Meaning of Asterisk

Problem Summary: In the Web Console, the New User's Details form and the User Authentication Details form contain asterisks, but the forms do not explain that an asterisk indicates a required field.

Workaround: The online help states which fields are required.

6502100: WSDL Cataloguer Does Not Handle `java.io.tmpdir` With Trailing Forward Slash

Problem Summary: An attempt to use the WSDL cataloguer on a zip file fails if the JVM property `java.io.tmpdir` is set to a value that ends with a forward slash (`/`). The symptom of the failure is a `CatalogingException` with a message that states that the cataloguer could not find one of the files in the request.

This problem does not occur on Linux, where the default setting of `java.io.tmpdir` does not end with a forward slash.

Workaround: Change the value of `java.io.tmpdir` so that it does not end with a forward slash.

Perform the following steps:

1. Log in to the Application Server Admin Console as described in "To Use the Application Server Admin Console" in *Service Registry 3.1 Administration Guide*.
2. Expand the Configurations node.
3. Expand the server node, `server-config (Admin Config)`.
4. Click JVM Settings.
5. Click the JVM Options tab.
6. Click Add JVM Option.
7. In the text field, type the following:

   ```
   -Djava.io.tmpdir=c:\DOCUME~1\ADMINI~1\LOCALS~1\Temp
   ```
8. Click Save.
9. Follow the instructions in "To Stop and Restart the Application Server Domain for the Registry" in *Service Registry 3.1 Administration Guide*.

After performing these steps, you should be able to publish a zip file that contains multiple WSDL files.

Localization Issues

The following bugs in Service Registry 3.1 are related to localization.

6276676: Localized Strings Missing From Web Console

Problem Summary: In the Web Console, the following strings that should be localized appear in English:

- Tabs in the Create New Registry Object pages
- List of supported languages on the Customize page
- The Welcome page, copyright text, and title area
- Drop-down lists for telephone number and email address types
- Logging messages

In addition, some labels remain in the previous language when you switch the browser locale and reset the language.

6493416: Online Help Link Leads to English Page

Problem Summary: If you are using the Web Console in a non-English locale for which online help is available, the Bookmark and Relate Help link on the Search Results page leads to a page in the English help rather than the help for your locale.

Workaround: None.

6496070: Event Type Names Are Not Translated for Any Locale

Problem Summary: In the Web Console, if you click the Audit Trail tab for an object in the Details area, the text in the Event Type field (`Created`, `Updated`, and so on) always appears in English.

Workaround: None.

6499672: Two Online Help Pages Are Missing in Non-English Locales

Problem Summary: In the Web Console online help, the last two sections are missing from the last chapter (Troubleshooting) in all locales except English.

Workaround: The sections can be found in the online manual, but only in English; see *Service Registry 3.1 User's Guide*.

6500664: Untranslated Strings in Online Help in Japanese Locale

Problem Summary: In the online help for the Web Console, cross-references to other books (for example, the *Service Registry 3.1 Administration Guide*) are not translated into Japanese.

Workaround: None.

6500673: Name and Postal Addresses Order Is Incorrect in Japanese Locale

Problem Summary: In the User Registration Wizard of the Web Console, the order of the name and postal address fields is not localized for the Japanese locale.

Workaround: None.

6500677: Bad Link in Online Help in Japanese Locale

Problem Summary: In the Preface of the online help for the Web Console in the Japanese locale, if you reach the "Default Paths and File Names" section and click the Next link, a Page Not Found error appears. The link is to a nonexistent page.

Workaround: None.

6507818: Service Registry User Guide is Missing For all Non-English Locales

Problem Summary: Service Registry User Guide is missing for all non-English locals on Windows.

Workaround: None.

6510165: Object Names in Details Tabs Are Not Translated

Problem Summary: In the Details area for an object in the Web Console, the name of the object in the Details tab is not translated. Instead, the Java object name is used. Also, in the French locale, the word order is incorrect.

Workaround: None.

Documentation Issues

The following bugs in Service Registry 3.1 are related to documentation.

6500315: One Online Help Page Is Missing

Problem Summary: In the Web Console online help, the "Searching Sun Product Documentation" section is missing from the Preface in all locales.

Workaround: The complete Preface can be found online in English in the *Service Registry 3.1 User's Guide*.

6501734: Online Help Has Wrong Name for Explore Directory

Problem Summary: In the Web Console, the online help for the Explore tab incorrectly refers to the root directory name as `root`. It should be `registry`.

Workaround: The correct documentation is in *Service Registry 3.1 User's Guide*.