

Informatica ActiveVOS 9.2.4.1

Release Notes

Contents

Introduction	3
New Features and Enhancements.....	3
Additional Platforms Supported	3
Required Action	3
Memory Recommendation for Server.....	3
Installation.....	3
Console-Mode Installation	3
On Windows	3
On Linux.....	4
Installing Designer on Windows 7.....	4
Installing Designer Plugins to an Existing Eclipse Framework	4
Migrating to ActiveVOS 9.2.4.1	5
Upgrading an Existing ActiveVOS Server.....	5
Required Action: Upgrade Database Schemas from a Release Prior to 9.2.4.....	5
Migrating an Existing ActiveVOS Designer Workspace.....	5
Reported Issues Corrected	5
ActiveVOS 9.2.4.1	5

Introduction

These release notes contain information about new features and fixed issues for Informatica ActiveVOS.

For information on issues corrected in prior releases, see the Release Notes in the ActiveVOS InfoCenter located here:

http://infocenter.activevos.com/infocenter/ActiveVOS/v92/index.jsp?topic=/doc.server_install/jboss/html/ReleaseNotes.html

New Features and Enhancements

Informatica ActiveVOS 9.2.4.1 offers new human task capabilities as described in the section, "Reported Issues Corrected."

Customers are encouraged to review the list of issues corrected, as the enhancements and fixes improve performance.

Additional Platforms Supported

This release adds support for Red Hat JBoss AS 6.4.0 and AS 7.5.0 Final.

Required Action

A number of defects and enhancements make the upgrade to ActiveVOS 9.2.4.1 highly recommended. Please refer to the section, "Reported Issues Corrected," for more information.

Memory Recommendation for Server

We recommend the following application server memory settings:

```
-Xms256m -Xmx1024m -XX:MaxPermSize=384m
```

Installation

Before installing ActiveVOS, ensure that you have access to your ActiveVOS Designer or Process Server licenses. Evaluation customers only need a license for ActiveVOS Designer and can use the embedded runtime engine for deployments. A link to download licenses was emailed to you or your company shortly after your purchase or evaluation request.

Console-Mode Installation

You can run the installation from the command line in console mode by using the following commands:

On Windows

```
start/wait installer.exe -c
```

On Linux

```
installer.sh -c
```

Installing Designer on Windows 7

ActiveVOS Designer writes to a number of directories within its installation path; for example, the ActiveVOS embedded Server. Windows 7 implements security mechanisms that can prevent modifications to files located in Program Files and other folders that are managed by the operating system. If this is how your system is configured, installing ActiveVOS Designer under Program Files could result in errors when starting the embedded server and deploying processes to it.

Here are potential workarounds:

- Install ActiveVOS Designer in a directory to which you have full permissions such as `C:\ActiveVOS`.
- Run ActiveVOS Designer using the **Run as administrator** option.
- Turn off User Account Control (UAC) from Windows 7 by setting UAC to *Never Notify*.
- Modify the rights of the following folder to grant *modify* access to your account. Be sure that the new permission is copied down the entire directory structure.

```
C:\Program Files\ActiveVOS\Designer\designer
```

- Copy the `Server` folder under the following location to a location for which you have permission to write. When you create a new embedded engine in Designer, select the **Add** link next to *Server runtime environment* to point to this location:

```
C:\Program Files\ActiveVOS\Designer\designer\plugins\  
org.activebpel.enginep_9.2.4.1
```

Installing Designer Plugins in an Existing Eclipse Framework

You can install ActiveVOS Designer plugins into an existing version of Eclipse 3.7.2 by following these steps:

1. You must be running **Eclipse for RCP and RAP Developers**. No other version is supported.
2. Download the plugins distribution (`designer_update_site_[version nnn].zip`) from the ActiveVOS download site by logging in to: <https://mysupport.informatica.com/downloadsView.jsp>.
3. In Eclipse, navigate to **Help > Install New Software**.
4. Select the **Add** button.
5. Enter the name that will appear in the available-software list.
6. Browse to the location of `designer_update_site_[version.nnn].zip` on your file system.
7. Select the new item in the list of available software, and click **Next**.
8. Follow prompts provided in the Eclipse dialogs to complete the installation.

Migrating to ActiveVOS 9.2.4.1

Upgrading an Existing ActiveVOS Server

There are no database schema updates if upgrading from ActiveVOS 9.2.4.

To upgrade from an earlier version of ActiveVOS Server, review "Migrating from a Previous Release" in the "Configuration" section.

Required Action: Upgrade Database Schemas from a Release Prior to 9.2.4

Current customers upgrading to 9.2.4.1 from a release prior to version 9.2.4 who are not using Screenflow but intend to purchase it in the future must execute the following DDL statement:

```
[installationDirectory]/server-enterprise/
[appsrvr]/ddls/create_repository_[yourdb].ddl
```

Depending on your current patch level, portions of this patch may fail because indexes being created already exist. You can safely ignore these errors.

Migrating an Existing ActiveVOS Designer Workspace

A simple migration procedure is required to update the path and startup settings for the ActiveVOS embedded server:

1. In the Designer *Servers* view, right click on the *ActiveVOS Server at localhost* and then click **Delete**.
2. Right click and select **New > Server**.
3. Click the *Configure runtime environments* link in the **New Server** dialog.
4. Remove the existing embedded server from the **Preferences** dialog.
5. Click **Add**.
6. Select *ActiveVOS_Embedded_Server*, then click **Finish**.
7. Click **Finish** on the **New Server** dialog to add the new server.

Reported Issues Corrected

ActiveVOS 9.2.4.1

Issue	Description
AS-4436	Enhanced human tasks such that you can now set the time in addition to the day when delegating a task from ActiveVOS Central. This allows for partial day delegation.
AS-5520	Updated ActiveVOS to address a defect that Oracle fixed in jaxws-api 2.2.1, 2.1.8 and made backwards compatible with 2.1.3.x jars. Previously, when a process was invoked from ESB, an Internal Server Error was thrown in ActiveVOS. This no longer occurs.

Issue	Description
AS-5533	Fixed a defect with the JMS Transaction Manager. Previously, under heavy load, the ActiveVOS server could spawn thousands of threads that were only cleaned up with garbage collection.
AS-5547	Fixed a problem where XSI Type was not preserved when using SetOutput. The XSI Type is now preserved for client operations of setOutput, setFault and complete; removed validation from the people activity when it consumes the message.
AS-5550	<p>Added the ability to specify explicitly headers which should not be sent with the request to ActiveVOS Central.</p> <p>To enable this capability, you must modify the web.xml of the Central .war file. Add the following fragment after the context-param configuration of ae.dont.proxy.headers.</p> <p>The param-value is a comma-separated list of headers which should not be proxied during the request submission:</p> <pre data-bbox="347 873 1109 989"><context-param> <param-name>ae.dont.proxy.request-headers</param-name> <param-value>\$WSRA,\$WSRH</param-value> </context-param></pre> <p>Background: Using IBM's IHS load balancer, reference to an IHS authentication event is done using HTTP Headers \$WS* (for example, \$WSRA and \$WSRH). This informs application servers where to look for the identity of the request. Because SSO is intended to authenticate beyond the IHS/WAS environment and a trusted connection in SSL/CLIENT-CERT should be used by proxy, these headers must be stripped from Central's proxy execution.</p>
AS-5551	Fixed a defect where human tasks were faulted if all attachments were not added to a process request form.
AS-5554	Fixed a problem where Out Of Memory errors were reported when performing a WSHT GetTask.
AS-5555	Fixed a problem where two versions of a project could not be active at the same time in 9.2.2.
AS-5557	Fixed a defect where an AeCriticalStorageException was returned when performing a getTasks request.
AS-5571	<p>Fixed a problem when using task operations defined in the WSHT API with Redhat JBoss EAP 6.x where the following error was reported:</p> <pre data-bbox="347 1724 1414 1814">java.lang.IllegalStateException: The prefix identity is not bound. at org.apache.ws.commons.schema.SchemaBuilder.getRefQName(SchemaBuilder.java:823)</pre>

Issue	Description
AS-5573	Fixed a problem when using ADMIN API (ae_metro_admin.jar) with Redhat JBoss EAP 6.x where the following error was reported: ClassNotFoundException: org.activebpel.rt.metro.jaxws.AeBaseJAXWSServiceImpl
AS-5574	Fixed a problem where an exception occurred during execution of installation db-script failures with MSSQL, due to case sensitivity errors in the source SQL statements.
AS-5576	Fixed a defect where getAllInvokeMetrics was not returning the correct average time. When trying to use built-in reports services, incorrect metrics on response time were returned when the same partnerlink and operation were used more than once. This issue also surfaced in server performance statistics.
AS-5579	Fixed a problem with a Null pointer exception in ActiveVOS 9.2.1 when deployed to Oracle WebLogic.
AS-5581	Fixed a defect where non-timeout JMS Connection Errors were masked by a connection timeout message. Now, if the AeJMSTransactionManager throws an error during a getConnection, it is always presented to the user as a connection timeout exception. Note: For HornetQ, which has fine-grained security, the initial connection succeeds but the underlying access to a specific queue might fail and the error will not be identified in the log.
AS-5585	Changed the WS-HT schema restriction to allow a priority field to be a negative number.
AS-5586	Enhanced human tasks to allow both users and groups to be potential owners of a task. Prior to this change users and groups were mutually exclusive. Customers making use of the ActiveVOS SDK should upgrade to the ActiveVOS 9.2.4.1 SDK to obtain the latest binary, XML schema and WSDL updates.
AS-5600	Fixed a defect to now check if the AeJMSTransactionManager is closing before calling close on the underlying connectionFactory to avoid deadlock.
AS-5601	Fixed a defect seen when the call failed if using multiple LIKE operands in a WS-Humantask API call. Multiple occurrences of the LIKE operand with the WSHT API are now supported.
AS-5604	Fixed defect where a task did not appear in ActiveVOS Central if the task had users and groups, or only groups set as the potential owner.
AS-5606	Updated to handle escape of '_' and '%' characters for task query when using a LIKE clause with the WSHT API.
AS-5608	Fixed a problem where the server assumed any failure to be a timeout failure when, during process recovery, executor service tasks are created to encapsulate work being performed. Error handling now catches and reports errors with more granularity.
AS-5625	Fixed a problem with an unbalanced releaseMutex() call during process recovery.

Issue	Description
AS-5636	Fixed a problem that sometimes caused a ClassNotFoundException in Redhat JBoss EAP 6.2.
AS-5641	Enhanced support for non-default schemas. Previously, dynamic SQL generated by AeSQLTaskFilter did not fully support non-default schemas. DML queries now include the %TABLE_PREFIX%.
AS-5642	Added new MDM Identity Provider.
AS-5645	Fixed a problem where addDelegate and removeDelegate operations were not working as expected within a JBoss environment.
AS-5648	Improved performance de-serializing XML documents containing many namespaces.
AS-5651	Fixed a defect where customer encountering SQL error during process migration when configured for an Oracle database under certain situations.



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