Informatica ActiveVOS 9.2.4.2

Release Notes

Contents

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 9.2.4.2 provides support for JDK 1.8.

Important: If you are an Oracle WebLogic 12.1.3 customer, set the following JVM startup property:

```
-Djavax.wsdl.factory.WSDLFactory=com.ibm.wsdl.factory.WSDLFactoryImpl
```

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 this 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_9.2.4.2`

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 page by logging in to https://mysupport.informatica.com.
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 9.2.4.2

Upgrading an Existing ActiveVOS Server

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

Required Action: Upgrade Database Schemas

Current customers upgrading to 9.2.4.2 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/[appsvr]/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 in order 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* 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

The following issues were corrected in ActiveVOS 9.2.4.2:

AS-5708	If recovery takes a long time, the ActiveVOS Alarm Manager sometimes sends duplicate alarms. When this happens, the ActiveVOS console indicates correlation violations.
AS-5702	If you use Microsoft SQL Server and perform process recovery, you see syntax errors. The errors you see are QueueStorage.GetQueuedMessageReceivers and QueueStorage.GetAlarmsJoinProcess.
AS-5698	Recovery time is slow because the ActiveVOS server is unable to get certain resources. This is because these resources are at maximum capacity as the number of processes that the server needs to recover is higher than the engine process count.
AS-5689	The getTask Human Task request fails with the error "ORA-01795: maximum number of expressions in a list is 1000". This happens if you use an Oracle database and the user for whom you are sending the request has more than 1000 roles.
AS-5685	There is a deadlock during subprocess coordination if more than two processes are involved.
AS-5683	ActiveVOS Process Migration converts the XML variable infaTask to a string.
AS-5672	Sometimes, ActiveVOS incorrectly auto-claims Human Tasks to a single user. This happens when the potential owner list of a human task contains both a single user and a user group.
AS-5667	When you restart the ActiveVOS server, sometimes, completed processes also undergo recovery.
AS-5671	You get a Null Pointer Exception when you deploy a Java Message Service (JMS). This happens because of a Fixed Listener name lookup issue.
AS-5592	When you claim a task that belongs to a multiple delegates, you see the XQuery error "Attempting to access a sequence as a singleton item" followed by a correlation violation.
ICRT-5103	If you use ActiveVOS on an Oracle WebLogic 12.1.3 server without a specific JVM startup

	parameter, you find that startup is slow. You may see messages like "Unable to locate catalog resource". This happens because of a change to the WSDLFactory preference in Oracle WebLogic 12.1.3. If you are an ActiveVOS 9.2.4.1 or 9.2.4.2 customer who uses Oracle WebLogic 12.1.3, set the following JVM startup property: `-Djavax.wsdl.factory.WSDLFactory=com.ibm.wsdl.factory.WSDLFactoryImpl`

AS-5649	When the ActiveVOS server receives JMS message that results in a correlation exception, the process either hangs or times out. This is because the JMS client expects but does not get a response at the replyTo address as the ActiveVOS server does not send any system-generated response to it.
	
	The JMS client is expected to process the error condition and the following fault:
	
	`<aex:Fault xmlns:aex="http://www.active-endpoints.com/2004/06/bpel/extensions/">`
	`        <faultcode`
	`xmlns:ns="http://docs.oasis-open.org/wsbpel/2.0/process/executable"`
	`name="correlationViolation"`
	`namespace="http://docs.oasis-open.org/wsbpel/2.0/process/executable"/>`
	`        <faultstring/>`
	`</aex:Fault>`

AS-5670	When you use the Human Tasks query getTasks, the server is slow to respond when the data set is large.
AS-5704	If you use JMS queue to send a message to the ActiveVOS server, you see a correlation violation even though there is a process that is waiting for the message.

Informatica

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