



Red Hat Process Automation Manager 7.0

Integrating Red Hat JBoss Developer Studio with Red Hat Process Automation Manager

Red Hat Process Automation Manager 7.0 Integrating Red Hat JBoss Developer Studio with Red Hat Process Automation Manager

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Abstract

This document describes how to integrate Red Hat JBoss Developer Studio with Red Hat Process Automation Manager.

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PREFACE

As a developer, you can integrate Red Hat JBoss Developer Studio with Red Hat Process Automation Manager to write complex applications and leverage code auto-completion.

CHAPTER 1. INSTALLING RED HAT JBOSS DEVELOPER STUDIO

Red Hat JBoss Developer Studio is the JBoss integrated development environment (IDE) based on Eclipse. It integrates tooling and runtime components by combining Eclipse, Eclipse Tooling, and Red Hat JBoss Enterprise Application Platform. Red Hat JBoss Developer Studio provides plug-ins with tools and interfaces for Red Hat Process Automation Manager.

Procedure

1. Download Red Hat JBoss Developer Studio:
 - a. Log in to the [Red Hat Customer Portal](#).
 - b. Click **DOWNLOADS** at the top of the page.
 - c. On the **Product Downloads** page that opens, navigate to the JBOSS DEVELOPMENT AND MANAGEMENT section, and click **Red Hat JBoss Developer Studio**.
 - d. On the **Software Downloads** page, download **Red Hat JBoss Developer Studio 11.3.0 Stand-alone Installer (devstudio-11.3.0.GA-installer-standalone.jar)**.
2. In a terminal window, navigate to the directory where you downloaded the installer JAR file and enter the following command:

```
java -jar devstudio-11.3.0.GA-installer-standalone.jar
```

3. Follow the instructions in the installer to complete the installation.

For more information, see the [Red Hat JBoss Developer Studio Installation Guide](#).



IMPORTANT

Because of an issue in the way multi-byte rule names are handled, you must ensure that the instance of Red Hat JBoss Developer Studio is started with the file encoding set to **UTF-8**. You can do this by editing the **\$JBDS_HOME/studio/devstudio.ini** file and adding the following property: **"-Dfile.encoding=UTF-8"**.

CHAPTER 2. INSTALLING RED HAT JBOSS DEVELOPER STUDIO PLUG-INS

The Red Hat JBoss Developer Studio plug-ins for Red Hat Process Automation Manager are based on the community version of the plug-ins. For this reason, the Red Hat Process Automation Manager plug-in is called the Drools plug-in.

Procedure

1. Download the Red Hat Process Automation Manager plug-ins for Red Hat JBoss Developer Studio:
 - a. Log in to the [Red Hat Customer Portal](#).
 - b. Click **DOWNLOADS** at the top of the page.
 - c. On the **Product Downloads** page that opens, navigate to the JBOSS DEVELOPMENT AND MANAGEMENT section, and click **Red Hat JBoss Developer Studio**.
 - d. On the **Software Downloads** page, download **Red Hat JBoss Developer Studio Integration Stack 11.3.0 Update Site Zip** (`devstudio-integration-stack-11.3.0.GA-updatesite.zip`).
2. Start Red Hat JBoss Developer Studio by selecting **Red Hat JBoss Developer Studio** from the Start menu.
3. Click **Help** → **Install New Software**.
4. Click **Add** to display the **Add Repository** box.
5. Enter a name in the **Name** field, for example, **devstudio-11.3.0.GA**.
6. Click **Archive**, select the **devstudio-11.3.0.GA-updatesite-core.zip** file, and click **OK**.
7. In the Install window, select **JBoss Business Process and Rule Development** from the list, click **Next**, and then click **Next** again.
8. Read the license agreement, accept it, and click **Finish**.
9. Restart Red Hat JBoss Developer Studio after the installation process finishes.

CHAPTER 3. CONFIGURING THE RED HAT PROCESS AUTOMATION MANAGER SERVER

You can configure Red Hat JBoss Developer Studio to run the Red Hat Process Automation Manager server.

Prerequisites

- Red Hat JBoss Developer Studio is installed with the Red Hat Process Automation Manager plug-ins.
- Red Hat Process Automation Manager is installed in a Red Hat JBoss EAP 7.1 server instance.

Procedure

1. Start Red Hat JBoss Developer Studio.
2. Click **Window** → **Show View** → **Other** and select **Server** → **Servers** to add the server view.
3. Right-click the **Servers** panel and select **New** → **Server** to open the server menu.
4. Click **Red Hat JBoss Middleware** → **JBoss Enterprise Application Platform 7.1** and click **Next** to define the server.
5. Click **Next** on the **Create a new Server Adapter** page.
6. To set the home directory on the **JBoss Runtime** page, click the **Browse** button and navigate to the Red Hat JBoss EAP directory where Red Hat Process Automation Manager is installed.
7. Enter a name for the server in the **Name** field, ensure that the configuration file is set, and click **Finish**.

CHAPTER 4. IMPORTING PROJECTS FROM A GIT REPOSITORY INTO RED HAT JBOSS DEVELOPER STUDIO

You can configure Red Hat JBoss Developer Studio to connect to a central Git asset repository. The repository stores rules, models, functions, and processes. You can either clone a remote Git repository or import a local Git repository.

4.1. CLONING A REMOTE GIT REPOSITORY

You can clone a git repository to use with Red Hat JBoss Developer Studio.

Prerequisites

- Red Hat JBoss Developer Studio is installed with the Red Hat Process Automation Manager plug-ins.
- You have access permission for the remote Git repository that you want to clone.

Procedure

1. In Red Hat JBoss Developer Studio, select the server from the **Server** tab and click the start icon to start the server.
2. Enter the following command in a terminal to start the secure shell server, if it is not running already.

```
/sbin/service sshd start
```



NOTE

This command is specific to Linux and Apple Macintosh. On these platforms, if **sshd** has already been started, this command fails. If this happens, you may safely ignore this step.

3. In Red Hat JBoss Developer Studio, select **File** → **Import...** and navigate to the Git folder.
4. Open the Git folder, select **Projects from Git**, and click **Next**.
5. Select the repository source as **Clone URI** and click **Next**.
6. Enter the details of the Git repository and click **Next**.
7. Select the branch you want to import and click **Next**.
8. To define the local storage for this project, enter or select a non-empty directory, make any configuration changes, and click **Next**.
9. Import the project as a general project in the following window and click **Next**.
10. Name the project and click **Finish**.

4.2. IMPORTING A LOCAL GIT REPOSITORY

You can import a local git repository to use with Red Hat JBoss Developer Studio.

Prerequisite

Red Hat JBoss Developer Studio is installed.

Procedure

1. In Red Hat JBoss Developer Studio, select the server from the **Server** tab and click the start icon to start the server.
2. Select **File** → **Import** and navigate to the Git folder. Open the Git folder to select **Projects from Git** and click **Next**.
3. Select the repository source as **Existing local repository** and click **Next**.
4. Select the repository that is to be configured from the list of available repositories and click **Next**.
5. In the window that opens, select **Import as general project** and click **Next**.
6. Name the project and click **Finish**.

CHAPTER 5. NEXT STEPS

- *[Getting Started with Container and Cloud-based Development](#)*
- *[Getting Started with JBoss Developer Studio Tools](#)*

APPENDIX A. VERSIONING INFORMATION

Documentation last updated on: Monday, October 1, 2018.