Red Hat JBoss Developer Studio Integration Stack 10.0 Installation Guide

Installing Red Hat JBoss Developer Studio Integration Stack

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Abstract

This document details steps to install Red Hat JBoss Developer Studio Integration Stack.

Table of Contents

CHAPTER 1. INSTALLATION OPTIONS **3**

CHAPTER 2. SYSTEM REQUIREMENTS **4**

CHAPTER 3. UPDATING JBOSS DEVELOPER STUDIO INTEGRATION STACK **5**

CHAPTER 4. INSTALLING JBOSS DEVELOPER STUDIO INTEGRATION STACK USING THE STANDALONE INSTALLER **6**

CHAPTER 5. INSTALLING JBOSS DEVELOPER STUDIO INTEGRATION STACK IN ECLIPSE WHEN ONLINE **8**

CHAPTER 6. INSTALLING JBOSS DEVELOPER STUDIO INTEGRATION STACK IN ECLIPSE WHEN OFFLINE **10**

CHAPTER 7. INSTALLING JBOSS DEVELOPER STUDIO INTEGRATION STACK IN JBOSS DEVELOPER STUDIO WHEN ONLINE **12**

CHAPTER 8. INSTALLING JBOSS DEVELOPER STUDIO INTEGRATION STACK IN JBOSS DEVELOPER STUDIO WHEN OFFLINE **14**

CHAPTER 9. UNINSTALLATION OPTIONS **16**

9.1. UNINSTALLING AN ENTIRE CATEGORY OF JBOSS DEVELOPER STUDIO INTEGRATION STACK 16

9.2. UNINSTALLING A SINGLE FEATURE OF JBOSS DEVELOPER STUDIO INTEGRATION STACK 16

CHAPTER 1. INSTALLATION OPTIONS

Red Hat JBoss Developer Studio Integration Stack is provided as a set of plug-ins for Eclipse or JBoss Developer Studio. Depending on whether you are already using Eclipse or JBoss Developer Studio, there are a variety of ways of installing JBoss Developer Studio Integration Stack and instructions are given here for each variation:

- Chapter 4, *Installing JBoss Developer Studio Integration Stack Using the Standalone Installer*
- Chapter 5, *Installing JBoss Developer Studio Integration Stack in Eclipse when Online*
- Chapter 6, *Installing JBoss Developer Studio Integration Stack in Eclipse when Offline*
- Chapter 7, *Installing JBoss Developer Studio Integration Stack in JBoss Developer Studio when Online*
- Chapter 8, *Installing JBoss Developer Studio Integration Stack in JBoss Developer Studio when Offline*

Note

To install Eclipse, see https://eclipse.org/users/ on the Eclipse website. To install JBoss Developer Studio BYOE or standalone, see the Install Red Hat JBoss Developer Studio document for the relevant version on the Red Hat JBoss Developer Studio documentation page.

Important

A variety of Eclipse installations are available, each with a different default configuration and selection of pre-installed plug-ins. For using JBoss Developer Studio Integration Stack, it is recommended that you use the variant Eclipse Neon for Java EE Developers.

CHAPTER 2. SYSTEM REQUIREMENTS

This release of JBoss Developer Studio is supported for use with a range of operating system, architecture, and Java developer kit combinations; for a complete list, see Red Hat JBoss Developer Studio Supported Configurations and Components on the Red Hat Customer Portal.

To install and run this release of JBoss Developer Studio, the following memory requirements are recommended:

- 4 GB RAM
- 2 GB of hard disk space

Note

The minimum memory requirements are 2 GB RAM and 1 GB of hard disk space.

CHAPTER 3. UPDATING JBOSS DEVELOPER STUDIO INTEGRATION STACK

Each major version of JBoss Developer Studio Integration Stack is based on a different version of Eclipse. As a result, it is not possible to update an older major version of JBoss Developer Studio Integration Stack to a newer major version. For example, it is not possible to update an existing JBoss Developer Studio Integration Stack 9.x or earlier installation to JBoss Developer Studio Integration Stack 10.x. because JBoss Developer Studio Integration Stack 9.x is based on Eclipse Mars (4.5) but JBoss Developer Studio Integration Stack 10.x is based on Eclipse Neon (4.6).

No updates are available for the first major version of JBoss Developer Studio Integration Stack, such as version 10.0. For subsequent 10.x versions, you may be automatically notified by the IDE when an update for the next minor version is available, depending on your IDE settings for automatic updates. To check for updates, click **Help → Check for Updates**.

CHAPTER 4. INSTALLING JBOSS DEVELOPER STUDIO INTEGRATION STACK USING THE STANDALONE INSTALLER

Use the standalone installer to install JBoss Developer Studio Integration Stack with all the latest versions of the integration stack components:

- JBoss Developer Studio
- JBoss Fuse & JBoss Fuse Service Works
- JBoss Business Rules Management System (BRMS)
- JBoss Business Process Management Suite (BPM Suite)

Important

The embeddable version of Xulrunner works with GTK2, but not with GTK3. As a result, the SWT (Standard Widget Toolkit) Browser, which is used for documentation in JBoss Fuse tooling and Javadocs in the Java Editor, does not work.

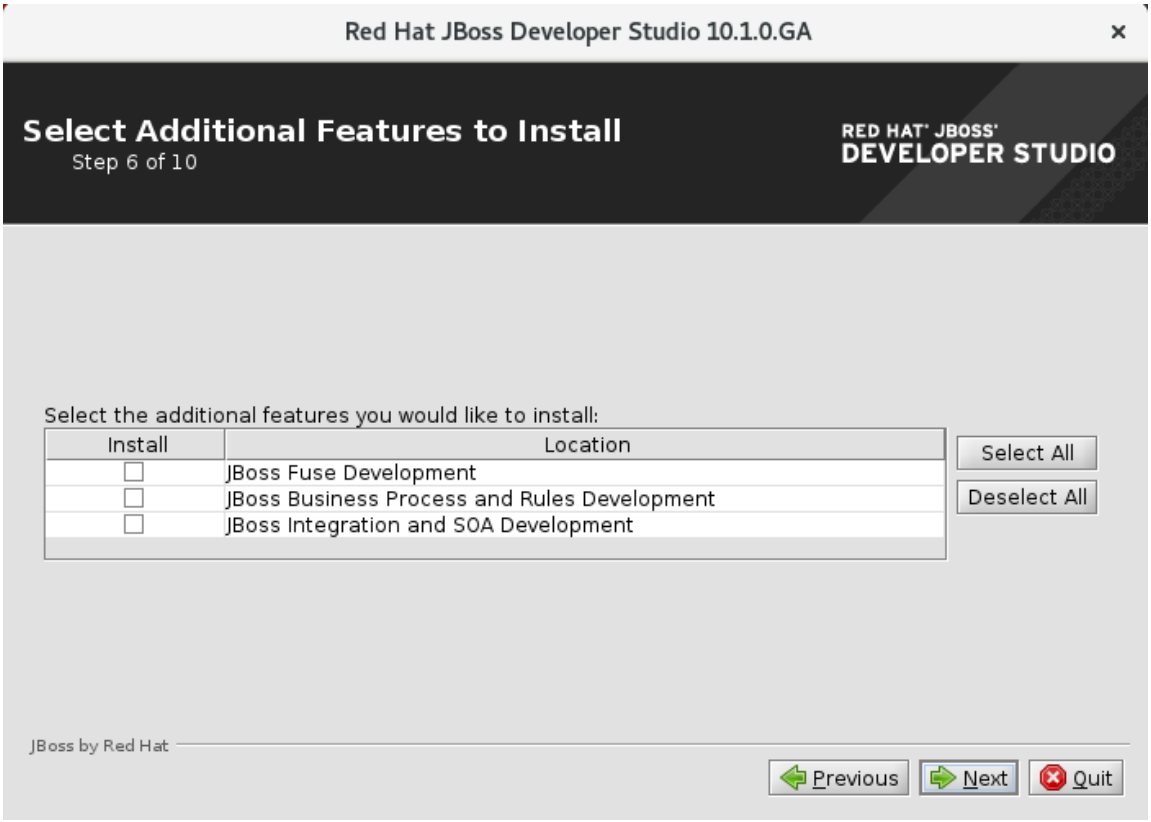
The workaround for this issue is to install WebKitGTK when using GTK3. An additional workaround is to enable GTK2 and use it instead of GTK3. Note that the browser widget does not work with Red Hat Enterprise Linux 7 or supported Fedora version because they do not have WebKitGTK installed by default.

Further information on what SWT Browser does in Eclipse is available here: https://www.eclipse.org/swt/faq.php#browserlinux

To install JBoss Developer Studio Integration Stack using the Standalone Installer:

1. Download the JBoss Developer Studio Integration Stack Standalone Installer file from Red Hat JBoss Developer Studio Integration Stack Software Downloads and run the file.
2. Agree to the terms and conditions and specify a target installation directory and a target JDK for the installation.
3. Select the required components from the **`Select Additional Features to Install`** screen:

   Figure 4.1. Select Additional Features to Install



4. Click **Next** to continue the installation process until the process completes.

When complete, JBoss Developer Studio Integration Stack and the integration stack components are ready to use.

CHAPTER 5. INSTALLING JBOSS DEVELOPER STUDIO INTEGRATION STACK IN ECLIPSE WHEN ONLINE

JBoss Developer Studio Integration Stack is available to install in Eclipse when you are online. Installing these components also installs JBoss Developer Studio 10.0.

To install JBoss Developer Studio Integration Stack in Eclipse when online:

1. Start **Eclipse Neon for Java EE Developers**.
2. Click **Help → Eclipse Marketplace**, locate **Red Hat JBoss Developer Studio Integration Stack** and click **Install**.
3. Select the components that you want to install.
    a. For JBoss Fuse, select **JBoss Fuse Development (Fuse tooling related to Camel route development)**.
    b. For JBoss BRMS and JBoss BPM Suite, select **JBoss Business and Rules Development (BPEL, BPMN2, jBPM, Drools)**.
    c. For JBoss Fuse Service Works, select **JBoss Integration and SOA Development**.
    d. For JBoss Data Virtualization, which is Early Access for version 10.0:
        i. Install any JBoss Developer Studio or JBoss Developer Studio Integration Stack component from the Eclipse Marketplace (as instructed in step 2).
        ii. Click **Help → Red Hat Central**.
        iii. In the **Red Hat Central** tab, click the **Software/Install** tab at the bottom.
        iv. Check the **Enable Early Access** check box.
        v. In the list of components, check the **Boss Data Virtualization Development (Teiid Designer)** option and click **Install/Update**.
4. Follow the on-screen instructions to complete the installation process.

During the installation process, warnings about installing unsigned content may display. If this is the case, review the details of the content and if satisfied click OK to continue with the installation.

Important

The embeddable version of Xulrunner works with GTK2, but not with GTK3. As a result, the SWT (Standard Widget Toolkit) Browser, which is used for documentation in JBoss Fuse tooling and Javadocs in the Java Editor, does not work.

The workaround for this issue is to install WebKitGTK when using GTK3. An additional workaround is to enable GTK2 and use it instead of GTK3. Note that the browser widget does not work with Red Hat Enterprise Linux 7 or supported Fedora version because they do not have WebKitGTK installed by default.

Further information on what SWT Browser does in Eclipse is available here: https://www.eclipse.org/swt/faq.php#browserlinux

Warning

Restart the IDE to apply the changes. Until it is restarted, the changes may make the IDE unstable.

Once installed, complete the additional configuration actions before you can use the JBoss Developer Studio Integration Stack functionality. For plug-in specific configuration information, see the appropriate Red Hat JBoss product documentation available from the Red Hat Customer Portal.

CHAPTER 6. INSTALLING JBOSS DEVELOPER STUDIO INTEGRATION STACK IN ECLIPSE WHEN OFFLINE

To install JBoss Developer Studio Integration Stack in Eclipse when offline:

1. Locate and download the following files:
    a. **Red Hat JBoss Developer Studio 10.1.0.GA Update Site Zip** file from https://devstudio.redhat.com/10.0/stable/updates/.
    b. **Red Hat JBoss Developer Studio Integration Stack 10.0.0.GA Update Site Zip** file from https://devstudio.redhat.com/10.0/stable/updates/integration-stack/.
    c. (Optional, required only for Early Access components) **Red Hat JBoss Developer Studio Integration Stack 10.0.0.GA Update Site Early Access Zip** file from https://devstudio.redhat.com/10.0/stable/updates/integration-stack/.
2. Start **Eclipse Neon for Java EE Developers**.
3. Click **Window** → **Preferences** → **Install/Update** → **Available Software Sites**.
4. Click **Add**, click **Archive** to locate the JBoss Developer Studio Update **`.zip`** file, select the file and click **OK**.
5. (Optional, required only for Early Access components) Click **Add**, click **Archive** to locate the Early Access **`.zip`** file, select the file and click **OK**.
6. Click **OK** again to close the **Preferences** window.
7. Click **Help** → **Install New Software**.
8. Next to the **Work with** field, click **Add** and click **Archive** to locate the **Red Hat JBoss Developer Studio Integration Stack 10.0.0.GA Update Site Zip** file.
9. From the table of categories, select the JBoss Developer Studio Integration Stack functionality you want to install:
    a. For JBoss Fuse, select **JBoss Fuse Development**.
    b. For JBoss BRMS and JBoss BPM Suite, select **JBoss Business and Rules Development**.
    c. For JBoss Fuse Service Works, select **JBoss Integration and SOA Development**.
    d. For JBoss Data Virtualization (Early Access):
        i. Ensure that the optional **Red Hat JBoss Developer Studio Integration Stack 10.0.0.GA Update Site Early Access Zip** is selected.
        ii. Select **JBoss Data Virtualization Development**.
10. Click **Next**.
11. Follow the on-screen instructions to complete the installation process.

During the installation process, you may receive warnings about installing unsigned content. If this is the case, review the details of the content and if satisfied click **OK** to continue with the installation.

Once installation is complete, you are prompted to restart the IDE. Click **Yes** when any changes to open projects are saved and you are ready to restart the IDE immediately.

Important

The embeddable version of Xulrunner works with GTK2, but not with GTK3. As a result, the SWT (Standard Widget Toolkit) Browser, which is used for documentation in JBoss Fuse tooling and Javadocs in the Java Editor, does not work.

The workaround for this issue is to install WebKitGTK when using GTK3. An additional workaround is to enable GTK2 and use it instead of GTK3. Note that the browser widget does not work with Red Hat Enterprise Linux 7 or supported Fedora version because they do not have WebKitGTK installed by default.

Further information on what SWT Browser does in Eclipse is available here: https://www.eclipse.org/swt/faq.php#browserlinux

Warning

Restart the IDE to apply the changes. Until it is restarted, the changes may make the IDE unstable.

CHAPTER 7. INSTALLING JBOSS DEVELOPER STUDIO INTEGRATION STACK IN JBOSS DEVELOPER STUDIO WHEN ONLINE

JBoss Developer Studio Integration Stack is available to install from JBoss Developer Studio, through Red Hat Central **Software/Update** tab, when online.

Important

To install JBoss Developer Studio Integration Stack as detailed in the steps below, it is essential that you have an instance of JBoss Developer Studio installed. For detailed steps to install JBoss Developer Studio see Install Red Hat JBoss Developer Studio.

To install JBoss Developer Studio Integration Stack in JBoss Developer Studio when online, complete the following steps:

1. Start JBoss Developer Studio 10.1.
2. In Red Hat Central, click the **Software/Update** tab. If Red Hat Central is not visible, click **Window → Red Hat Central**.
3. In the list of available software, locate **JBoss Developer Studio Integration Stack**.
4. Select the check boxes corresponding to the JBoss Developer Studio Integration Stack functionality you want to install:
    a. For JBoss Fuse, select **JBoss Fuse Development**.
    b. For JBoss BRMS and JBoss BPM Suite, select **JBoss Business and Rules Development**.
    c. For JBoss Fuse Service Works, select **JBoss Integration and SOA Development**.
    d. For JBoss Data Virtualization:
        i. Ensure that the **Early Access** check box is selected to view Early Access components.
        ii. Select **JBoss Data Virtualization Development**.
5. Click **Install/Update**.
6. Follow the on-screen instructions to complete the installation process.

Restart the IDE to apply the changes. Until it is restarted, the changes may make the IDE unstable.

Important

The embeddable version of Xulrunner works with GTK2, but not with GTK3. As a result, the SWT (Standard Widget Toolkit) Browser, which is used for documentation in JBoss Fuse tooling and Javadocs in the Java Editor, does not work.

The workaround for this issue is to install WebKitGTK when using GTK3. An additional workaround is to enable GTK2 and use it instead of GTK3. Note that the browser widget does not work with Red Hat Enterprise Linux 7 or supported Fedora version because they do not have WebKitGTK installed by default.

Further information on what SWT Browser does in Eclipse is available here: https://www.eclipse.org/swt/faq.php#browserlinux.

Once installed, you may need to complete additional configuration actions before you can use the JBoss Developer Studio Integration Stack functionality. For plug-in specific configuration information, see the appropriate Red Hat JBoss product documentation available from the Red Hat Customer Portal.

Important

If you choose to install only selected functionality of a JBoss Developer Studio Integration Stack category, then the category continues to be listed as uninstalled in the JBoss Central **Software/Update** tab.

CHAPTER 8. INSTALLING JBOSS DEVELOPER STUDIO INTEGRATION STACK IN JBOSS DEVELOPER STUDIO WHEN OFFLINE

Important

To install JBoss Developer Studio Integration Stack as detailed in the steps below, it is essential that you have an instance of JBoss Developer Studio installed. For detailed steps to install JBoss Developer Studio see Install Red Hat JBoss Developer Studio.

To install JBoss Developer Studio Integration Stack in JBoss Developer Studio when offline:

1. Locate and download the **Red Hat JBoss Developer Studio Integration Stack 10.0.0.GA Update Site Zip** file from https://devstudio.redhat.com/10.0/stable/updates/integration-stack/.
2. (Optional, required only for Early Access components) Locate and download the **Red Hat JBoss Developer Studio Integration Stack 10.0.0.GA Update Site Early Access Zip** file from https://devstudio.redhat.com/10.0/stable/updates/integration-stack/.
3. Start JBoss Developer Studio 10.1.
4. Click **Help** → **Install New Software**.
5. Next to the **Work with** field, click **Add** and click **Archive** to locate the **Red Hat JBoss Developer Studio Integration Stack 10.0.0.GA Update Site Zip** file.
6. (Optional, required only for Early Access components) Next to the **Work with** field, click **Add** and click **Archive** to locate the **Red Hat JBoss Developer Studio Integration Stack 10.0.0.GA Update Site Early Access Zip** file.
7. From the table of categories, select the JBoss Developer Studio Integration Stack functionality you want to install:
    a. For JBoss Fuse, select **JBoss Fuse Development**.
    b. For JBoss BRMS and JBoss BPM Suite, select **JBoss Business and Rules Development**.
    c. For JBoss Fuse Service Works, select **JBoss Integration and SOA Development**.
    d. For JBoss Data Virtualization, select **JBoss Data Virtualization Development** (Early Access).
8. Click **Next**.
9. Follow the on-screen instructions to complete the installation process.

During the installation process, you may receive warnings about installing unsigned content. If this is the case, review the details of the content and if satisfied click **OK** to continue with the installation.

Important

The embeddable version of Xulrunner works with GTK2, but not with GTK3. As a result, the SWT (Standard Widget Toolkit) Browser, which is used for documentation in JBoss Fuse tooling and Javadocs in the Java Editor, does not work.

The workaround for this issue is to install WebKitGTK when using GTK3. An additional workaround is to enable GTK2 and use it instead of GTK3. Note that the browser widget does not work with Red Hat Enterprise Linux 7 or supported Fedora version because they do not have WebKitGTK installed by default.

Further information on what SWT Browser does in Eclipse is available here: https://www.eclipse.org/swt/faq.php#browserlinux

Once installation is complete, you are prompted to restart the IDE. Click **Yes** when any changes to open projects are saved and you are ready to restart the IDE immediately.

Warning

The IDE changes do not take effect until the IDE is restarted and the IDE may be unstable until it is restarted.

CHAPTER 9. UNINSTALLATION OPTIONS

After concluding development in one of the Red Hat JBoss Developer Studio Integration Stack tooling plug-ins, you can choose to uninstall either an entire category of plug-ins, or individual plug-ins. Removing one or more plug-ins that are no longer required provides continued stability and ensures optimal performance due to a smaller memory footprint. Uninstall a category of features to remove all related features efficiently, or select individual plug-ins to remove in a customized uninstall process.

- To uninstall an entire category of features, see Section 9.1, “Uninstalling an Entire Category of JBoss Developer Studio Integration Stack”.
- To uninstall a single feature, see Section 9.2, “Uninstalling a Single Feature of JBoss Developer Studio Integration Stack”.

9.1. UNINSTALLING AN ENTIRE CATEGORY OF JBOSS DEVELOPER STUDIO INTEGRATION STACK

To uninstall an entire category of JBoss Developer Studio Integration Stack:

1. In Red Hat Central, click the **Software/Update** tab.

   Note

   If Red Hat Central is not visible, click **Window** → **Red Hat Central**.

2. Click the **Show installed** check box.
3. In the **Features Available** list, locate **JBoss Developer Studio Integration Stack**.
4. Select the check boxes corresponding to the JBoss Developer Studio Integration Stack category to uninstall:

   a. For JBoss Fuse, select **JBoss Fuse Development**.

   b. For JBoss BRMS and JBoss BPM Suite, select **JBoss Business and Rules Development**.

   c. For JBoss Fuse Service Works, select **JBoss Integration and SOA Development**.

   d. For JBoss Data Virtualization, select **JBoss Data Virtualization Development**.

5. Click **Uninstall**.
6. Follow the on-screen instructions to complete the process of uninstalling the selected category.
7. Restart the IDE to implement the changes. An immediate restart is recommended because the IDE may be unstable until a restart.

9.2. UNINSTALLING A SINGLE FEATURE OF JBOSS DEVELOPER STUDIO INTEGRATION STACK

To uninstall a single feature of JBoss Developer Studio Integration Stack:

1. Click **Help → Installation Details**.
2. In the search field type the feature to uninstall.
3. Click the feature to uninstall and click **Uninstall**.

Note

To delete more than one feature select the features while you press the Shift key.

4. Follow the on-screen instructions to complete the process of uninstalling the selected feature.
5. Restart the IDE to implement the changes. An immediate restart is recommended because the IDE may be unstable until a restart.