

Red Hat JBoss Developer Studio 8.1

Install Red Hat JBoss Developer Studio

Information for users installing JBoss Developer Studio

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Red Hat Customer Content Services

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Abstract

This document details how to install JBoss Developer Studio.

Table of Contents

1. INSTALL OPTIONS	2
2. SYSTEM REQUIREMENTS	2
3. INSTALL JBOSS DEVELOPER STUDIO BYOE WHEN ONLINE	2
4. INSTALL JBOSS DEVELOPER STUDIO BYOE WHEN OFFLINE	4
5. INSTALL JBOSS DEVELOPER STUDIO STAND-ALONE	5
6. INSTALL JBOSS DEVELOPER STUDIO STAND-ALONE AND JBOSS EAP	7
7. ADVANCED INSTALL TASKS	8
7.1. Install JBoss Developer Studio by Script	8
7.2. Build the JBoss Developer Studio Stand-alone Installer from Source	9
A. REVISION HISTORY	11

1. INSTALL OPTIONS

Red Hat JBoss Developer Studio is provided in two variants depending on your circumstance: standalone and Bring-Your-Own-Eclipse (BYOE). JBoss Developer Studio stand-alone packages the JBoss Developer Studio plug-ins with Eclipse and dependent third-party plug-ins in an installer for all operating systems. JBoss Developer Studio BYOE packages the JBoss Developer Studio plug-ins for installing in your existing Eclipse instance.

There are a variety of ways of installing each JBoss Developer Studio variant and instructions are given here for completing the following tasks:

- Section 3, "Install JBoss Developer Studio BYOE when Online"
- Section 4, "Install JBoss Developer Studio BYOE when Offline"
- Section 5, "Install JBoss Developer Studio Stand-alone"
- Section 6, "Install JBoss Developer Studio Stand-alone and JBoss EAP"

There are also several advanced and less common ways of installing JBoss Developer Studio and instructions are given here for completing the following tasks:

- Section 7.1, "Install JBoss Developer Studio by Script"
- Section 7.2, "Build the JBoss Developer Studio Stand-alone Installer from Source"

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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 https://access.redhat.com/articles/427493 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
- 1.5 GB of hard disk space



NOTE

The minimum memory requirements are 2 GB RAM and 750 MB of hard disk space.

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3. INSTALL JBOSS DEVELOPER STUDIO BYOE WHEN ONLINE

JBoss Developer Studio BYOE is available to install from Eclipse Marketplace when you are online.

To install JBoss Developer Studio BYOE from Eclipse Marketplace, complete the following steps:

- 1. Start Eclipse Luna.
- Drag the following link into your Eclipse workspace: http://marketplace.eclipse.org/marketplace.client-intro?mpc_install=1616973. Alternatively, click Help → Eclipse Marketplace, locate Red Hat JBoss Developer Studio 8.1.0 GA and click Install.

Eclipse Marketplace ×										
Eclipse Marketplace										
Select so Press the	Select solutions to install. Press Finish to proceed with installation. Press the information button to see a detailed overview and a link to more information.									
Search	Recent	Popular	Installed	🖁 June Newsletter						
Find: 🔍	Red Ha	t JBoss Dev	veloper Stu	dio	4	All Markets	~	All Categories	s ~	Go
	Re	d Hat JBo	oss Devel	oper Studio 8.1.0	.GA					
200	Red fea	d Hat JBoss ture on the	Developer Eclipse Mar	Studio is available as ketplace. Includes	both a fully bund more info	led Eclipse distri	bution	and a single inst	allable	
	by	Red Hat, In	c., EPL							
	jbo	sstools <u>mav</u>	<u>/en</u> hibernat	<u>e Mobile JSF</u>						
* 10		Installs:	24.2K (1,1	41 last month)					Install	
	JB	oss Tools	4.2.3.Fin	al						
5	JBo	oss Tools is	an umbrella	project for a set of E	clipse Luna plugin	s that includes	support	for JBoss and r	elated	
	bv	Red Hat. In	c. EPL	emate, Jooss AS, CD	, <u>more mro</u>					
	jbo	sstools may	ven hibernat	e <u>Mobile</u> JSF						
* 25	5	Installs:	161 K (13,:	LO2 last month)					Install	
	Ma	ven Prof	iles Mana	gement 1.5.5						
5	Thi ver	s feature ha sion should	as been con be uninstal	tributed to m2e 1.5.0 led. The JBoss Tools). If you're using it team <u>more inf</u> e	t or a more recer	nt versi	on, the JBoss To	ools	
	by Red Hat, EPL									
	ma	ven m2e pr	ofiles							
★ 3	1	Installs:	14.2K (422	2 last month)					Install	
Ceylon IDE 1.0.0										
Marketplaces										
(?)					< Back	Install Now >		ancel	Finish	
•					Dack	install NOW >		uncet	1 11 1311	

Figure 1. Red Hat JBoss Developer Studio (Luna) Available from Eclipse Marketplace

3. 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 Eclipse. Click **Yes** to restart immediately and **No** if you need to save any unsaved changes to open projects. Note that IDE changes do not take effect until Eclipse is restarted.

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4. INSTALL JBOSS DEVELOPER STUDIO BYOE WHEN OFFLINE

Two .zip files are provided for installing JBoss Developer Studio BYOE in offline mode, namely an Update archive and a Target Platform archive. Both of these .zip files are necessary for a successful install and they can be downloaded from https://devstudio.jboss.com/updates/8.0/ under Offline Install.



IMPORTANT

You must first be online to download the **.zip** files before proceeding to install JBoss Developer Studio BYOE in offline mode.

To install JBoss Developer Studio BYOE in offline mode, complete the following steps:

- 1. Locate and download Red Hat JBoss Developer Studio <version> Update Site Zip and Target Platform Zip.
- 2. Start Eclipse Luna.
- 3. Click Window → Preferences → Install/Update → Available Software Sites.
- 4. Click Add and click Archive to locate the JBoss Developer Studio Target Platform .zip file.

		Preferences	
type filter text 🛛 🔏	Available Software Sites		
+ General			
± Ant	type filter text	4	
Code Recommender	Name	Location	<u>A</u> dd
🗄 Help	🖉 📢 JBDS 8.1 GA	jar:file:/tmp/jboss-devstudio-8.1.0.GA-target-platform.zip!/	
Install/Update	🐨 📢 JBDS Integration Stack Aggregate -	https://devstudio.redhat.com/updates/8.0.0/8.0.2.GA.jbds-is/a	<u>E</u> dit
Automatic Update	🐨 📢 JBoss Developer Studio - Integration	https://devstudio.redhat.com/updates/8.0.0/8.0.2.GA.jbds-is/	<u>R</u> emove
Available Software	📝 🖏 JBoss Developer Studio 8.x - Integra	https://devstudio.redhat.com/updates/8.0/integration-stack/	Reload
+ Java	🐨 🖏 JBoss Developer Studio 8.x - Integra	https://devstudio.redhat.com/updates/8.0/integration-stack/ag	
+ Maven	📝 🖏 JBoss Tools 3.2 - Stable Release	http://download.jboss.org/jbosstools/updates/stable/helios/	Disable
± Mylyn	📝 🖏 JBoss Tools 4.0 - Core - Stable Rele	http://download.jboss.org/jbosstools/updates/stable/juno	Import
+ Run/Debug	🐨 🖏 JBoss Tools 4.1 - Core - Stable Rele	http://download.jboss.org/jbosstools/updates/stable/kepler/	
+ Team			E <u>x</u> port
Validation			
(?)		Cancel	ОК

Figure 2. Add JBoss Developer Studio 8.1 Offline Target Platform File

- 5. Click **OK** and click **OK** again to close the **Preferences** window.
- 6. Click $Help \rightarrow Install$ New Software.

- 7. In the **Work with** field, enter the path of the Update .zip file. Alternatively, click Add and click Archive to locate the file.
- 8. From the table of components, select **JBoss Developer Studio** <*version*> Bring Your Own Eclipse and click Next.

		Install				
Available S	Software					
Check the i	items that you wish to install.					
Work with:	JBDS 8.1 GA - jar:file:/tmp/jboss-devstudio-8.1.0.GA-updatesite	-core.zip!/			~	Add
		Find more software b	y working with	the <mark>"Availab</mark>	le Software Sit	es" preferences.
type filter t	ext					4
Name		Version				
± 🖾 💷 * 1	Boss Developer Studio 8 - Bring Your Own Eclipse					
+ □ 00 * J	Boss Developer Studio 8 - Core					
± 🗆 👀 * J[Boss Developer Studio 8 - Extras					
+ 🗆 💷 JBo	oss Application Development					
+ 🗆 💷 JBo	oss Cloud Development Tools					
+ 🗆 💷 JBo	oss Data Services Development					
Soloct Al	Decelect All 1 item colected					
Select Al	Deselect All Titem selected					
Details						
Select this f	eature if you want to install all of the JBoss Developer Studio (Co	re Features) into your owr	n Eclipse Luna 4.	4.		0
Show on	ly the latest versions of available software	✓ Hide items that an	e already install	ed		More
Group ite	ame by category	What is already inst	alled?			
Show on	iy software applicable to target environment					
Contact	all update sites during install to find required software					
0			-l. New		Consol	Fisish
()		< Ba	CK Nex		Cancel	Finish

Figure 3. JBoss Developer Studio version - Bring Your Own Eclipse Selected for Installation

9. Follow the on-screen instructions to complete the installation process.

During the installation process if you receive warnings about installing unsigned content, 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 Eclipse. Click **Yes** to restart immediately and **No** if you need to save any unsaved changes to open projects. Note that IDE changes do not take effect until Eclipse is restarted.

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5. INSTALL JBOSS DEVELOPER STUDIO STAND-ALONE

An installer is provided for JBoss Developer Studio stand-alone. This installer is available from a variety of sources, including the Red Hat Customer Portal.

To install JBoss Developer Studio stand-alone, complete the following steps:

- 1. Locate and download **Red Hat JBoss Developer Studio** <*version*> **Stand-alone Installer**.
- 2. Start the installer

```
$ cd /path/to/.jar
$ java -jar jboss-devstudio-version-installer-standalone.jar
```

Alternatively, you may be able to start the installer by double-clicking the **.jar** file. On OS X systems, hold **control** and click the **.jar** file, click **Open**, review the **.jar** file details and if satisfied click **Open**.

3. Follow the on-screen instructions to complete the installation process.

When working through the installer you may find the following additional information useful:

Installer step 4

You must specify a Java developer kit with a 32-bit JRE to install a 32-bit version of JBoss Developer Studio and a 64-bit JRE to install a 64-bit version of JBoss Developer Studio. To change the bit version of the Java developer kit to be used for installing JBoss Developer Studio, in the text field type the path to the appropriate bit version of the Java developer kit.

Select Java VM Step 4 of 9	RED HAT JBOSS DEVELOPER STUDIO
JBoss Developer Studio works with Java 7 and 8 and has been tested with OpenJDK and Default Java VM Specific Java VM	Oracle JDK.
/usr/lib/jvm/java-1.7.0-openjdk-1.7.0.65-2.5.1.2.fc20.x86_64	🕒 <u>B</u> rowse
Installation type:	
O 32-bit	
● 64-bit	
JBoss by Red Hat	<u>N</u> ext

Figure 4. Default Java VM Selected for Running the IDE

Installer step 5

To make use of automatic runtime detection for finding already installed application servers, click **Add**. In the **Location** field, type the path from which recursive scanning for application servers is to commence or click **Browse** to navigate to the location:

• To detect a specific application server, select the install directory for that application server.

• To detect multiple application servers, select a directory higher up the directory tree. Alternatively, this can be achieved by adding multiple locations for scanning.

Select Platforms and Servers Step 5 of 9	RED HAT JBOSS DEVELOPER STUDIO
Add locations you want to be scanned to discover platforms and servers you have Scan every start Location	
/home/applications/iboss-eap	Add
	Edit Remove
IR and Mathematical Mathematical Action	
JBoss by Red Hat	Next 🙆 Quit

Figure 5. Path Selected for Recursive Scanning for Application Servers

This task can also be completed after JBoss Developer Studio is installed using the **JBoss Runtime Detection** wizard, accessed through the IDE **Preferences** window.

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6. INSTALL JBOSS DEVELOPER STUDIO STAND-ALONE AND JBOSS EAP

A single installer is provided for both JBoss Developer Studio stand-alone and Red Hat JBoss Enterprise Application Platform. A specific JBoss EAP version is packaged in the installer; for details of the JBoss EAP version see https://access.redhat.com/articles/427493. This installer is available from a variety of sources, including the Red Hat Customer Portal.

To install JBoss Developer Studio stand-alone and JBoss EAP, complete the following steps:

- 1. Locate and download **Red Hat JBoss Developer Studio** <*version*> **Installer** with EAP.
- 2. Start the installer

```
$ cd /path/to/.jar
$ java -jar jboss-devstudio-version-installer-eap.jar
```

Alternatively, you may be able to start the installer by double-clicking the **.jar** file. On OS X systems, hold **control** and click the **.jar** file, click **Open**, review the **.jar** file details and if satisfied click **Open**.

- 3. Follow the on-screen instructions to continue the installation process.
- 4. At installer step 5, when asked if you want to install JBoss EAP, click Yes.

Select Platforms a Step 5 of 9	and Servers	RED HAT JBOSS DEVELOPER STUDIO
JBoss Developer Studio ir Yes, and have it ready No	ncludes Red Hat JBoss Enterprise Application Plat / for use in JBoss Developer Studio	form. Install it now?
Add locations you want to	o be scanned to discover platforms and servers y	you have:
Scan every start	Location	Add
		Edit
		Remove
<u> </u>		
JBoss by Red Hat		
	🧇 <u>E</u>	Previous 🔶 <u>N</u> ext 🔇 Quit

Figure 6. Check Box Selected for Installing JBoss EAP

5. Continue to follow the on-screen instructions to complete the installation process.

This additional installer option installs JBoss EAP in a subdirectory of the JBoss Developer Studio installation and generates a complete default server definition within the IDE with which to manage the JBoss EAP instance and deployed applications.

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7. ADVANCED INSTALL TASKS

7.1. Install JBoss Developer Studio by Script

A scripted method is available for use when installing JBoss Developer Studio stand-alone with the installer. The scripted installation method removes the need to step through the installer GUI for every installation, enabling simplified repeat installations or installations in bulk.

The instructions here detail how you can install JBoss Developer Studio stand-alone stepping through the installer GUI once and then use a generated script for subsequent installations. The JBoss Developer Studio stand-alone installer is available from a variety of sources, including the Red Hat Customer Portal.

To install JBoss Developer Studio by script, complete the following steps:

- 1. Locate and download **Red Hat JBoss Developer Studio** <*version*> **Stand-alone Installer**.
- 2. Start the installer

```
$ cd /path/to/.jar
$ java -jar jboss-devstudio-version-installer-standalone.jar
```

- 3. Step through the installer GUI once to generate a **InstallConfigRecord.xml** file located in the **/path/to/jboss-devstudio/** directory.
- 4. Perform repeat identical installations without stepping through the installer GUI

```
$ java -jar jboss-devstudio-version-installer-standalone.jar
/path/to/jboss-devstudio/InstallConfigRecord.xml
```



NOTE

The generated **InstallConfigRecord.xml** file is machine-specific, using the Java developer kit and installation paths of your system. To use the **InstallConfigRecord.xml** file for systems with different operating systems, Java developer kits or paths, you must manually modify the file.

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7.2. Build the JBoss Developer Studio Stand-alone Installer from Source

A .zip file is provided from which you can build the JBoss Developer Studio stand-alone installer. The source code archive is available from a variety of sources, including the Red Hat Customer Portal.



IMPORTANT

Maven must be installed to build the installer from the source code. To obtain and configure Maven, see http://maven.apache.org/.

To build the JBoss Developer Studio stand-alone installer from source, complete the following steps:

- 1. Locate and download Red Hat JBoss Developer Studio <version> Sources Zip.
- 2. Extract the contents of the downloaded archive

```
$ cd path/to/.zip
$ unzip jboss-devstudio-version-installer-src.zip
```

3. Build the installer

\$ cd devstudio/product
\$ mvn clean install

Building takes some time to complete, after which the installer **.jar** file is located in the **/path/to/jboss-devstudio/installer/target/** directory.

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A. REVISION HISTORY

Revision 8.1.0-5	Mon Jul 20 2015	Misha Husnain Ali
TOOLSDOC-597: Updated scre	eenshots for 8.1.	
Revision 8.1.0-4	Tue Mar 31 2015	Misha Husnain Ali
Updated for GA content.		
Revision 8.1.0-3	Wed Mar 25 2015	Misha Husnain Ali
Test build for GA		
Revision 8.1.0-2	Mon Mar 23 2015	Misha Husnain Ali
Test build for GA.		
Revision 8.1.0-1	Wed Feb 18 2015	Supriva Bharadwai
Created for Beta release		