Red Hat JBoss Fuse 6.0

Installation Guide

Installing Red Hat JBoss Fuse on a computer

Last Updated: 2017-10-13

Red Hat JBoss Fuse 6.0 Installation Guide

Installing Red Hat JBoss Fuse on a computer

JBoss A-MQ Docs Team
Content Services
fuse-docs-support@redhat.com

Legal Notice

Copyright © 2013 Red Hat.

The text of and illustrations in this document are licensed by Red Hat under a Creative Commons Attribution–Share Alike 3.0 Unported license ("CC-BY-SA"). An explanation of CC-BY-SA is available at
http://creativecommons.org/licenses/by-sa/3.0/
. In accordance with CC-BY-SA, if you distribute this document or an adaptation of it, you must provide the URL for the original version.

Red Hat, as the licensor of this document, waives the right to enforce, and agrees not to assert, Section 4d of CC-BY-SA to the fullest extent permitted by applicable law.

Red Hat, Red Hat Enterprise Linux, the Shadowman logo, JBoss, OpenShift, Fedora, the Infinity logo, and RHCE are trademarks of Red Hat, Inc., registered in the United States and other countries.

Linux ® is the registered trademark of Linus Torvalds in the United States and other countries.

Java ® is a registered trademark of Oracle and/or its affiliates.

XFS ® is a trademark of Silicon Graphics International Corp. or its subsidiaries in the United States and/or other countries.

MySQL ® is a registered trademark of MySQL AB in the United States, the European Union and other countries.

Node.js ® is an official trademark of Joyent. Red Hat Software Collections is not formally related to or endorsed by the official Joyent Node.js open source or commercial project.

The OpenStack ® Word Mark and OpenStack logo are either registered trademarks/service marks or trademarks/service marks of the OpenStack Foundation, in the United States and other countries and are used with the OpenStack Foundation's permission. We are not affiliated with, endorsed or sponsored by the OpenStack Foundation, or the OpenStack community.

All other trademarks are the property of their respective owners.

Abstract

It is easy to install Red Hat JBoss Fuse and tailor the installation to a particular environment.

Table of Contents

CHAPTER 1. INSTALLATION PREREQUISITES 3
SUPPORTED PLATFORMS 3
JAVA RUNTIME 3
HARDWARE REQUIREMENTS 3

CHAPTER 2. INSTALLATION TYPES 5

CHAPTER 3. INSTALLING 6
GETTING THE ARCHIVE 6
UNPACKING THE ARCHIVE 6

CHAPTER 4. ADDING A REMOTE CONSOLE USER 7

CHAPTER 5. MONITORING FUSE RESOURCES 8

APPENDIX A. INSTALLING THE APACHE COMPONENTS 9

CHAPTER 1. INSTALLATION PREREQUISITES

Abstract

Before attempting to install and use Red Hat JBoss Fuse, make sure your system meets the minimum requirements.

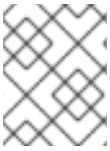
SUPPORTED PLATFORMS

Red Hat tests and supports Fuse products on the platforms listed at Red Hat JBoss Fuse Supported Configurations.

JAVA RUNTIME

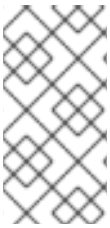
Fuse runtime platforms need Java 6, JRE 1.6.0_18 or later.

To develop applications for Fuse runtime platforms, you need Java 6, JDK 1.6.0_18 or later.



NOTE

Fuse products are *only* guaranteed to run with Java runtimes distributed by, or OEMed from, Red Hat (OpenJDK), Oracle and IBM.



NOTE

On Red Hat-derived Linux systems, **gcj** is the default Java distribution. In these cases, you must download and install an Oracle Java runtime and set the **JAVA_HOME** environment variable. You can also integrate the Oracle Java runtime into the **alternatives(1)** system. See the **alternatives(1)** man page for details.

WARNING

Do *not* install the Java runtime under a directory path that includes whitespace. For example, the path, **C:\Program Files\Java\jde7**, is not an acceptable install path and will lead to unpredictable errors in Red Hat JBoss Fuse at run time.

HARDWARE REQUIREMENTS

The minimum hardware specifications for installing and starting up Red Hat JBoss Fuse are:

- Minimum Installation
  - 90 MB free disk space
  - 2 GB RAM
- Medium Installation

    - 355 MB free disk space
    - 2 GB RAM
- Full Installation
    - 720 MB free disk space
    - 2 GB RAM

In addition to the disk space required for installing and starting up the base installation the first time, a running system will require space for caching, persistent message stores, and other functions.

CHAPTER 2. INSTALLATION TYPES

Red Hat JBoss Fuse allows you to choose between installations that contain different feature sets:

- Minimal—installs Apache Karaf, Apache Camel core, and selected Apache Camel components
- Medium—installs Apache Karaf, Apache Camel;, and Apache ActiveMQ
- Full—installs Apache Karaf, Apache Camel, Apache ActiveMQ Apache CXF, and the JBI components

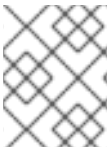
CHAPTER 3. INSTALLING

Abstract

Red Hat JBoss Fuse is installed by unpacking an archive system on a system. This provides an easy way for a developer to get up and running.

GETTING THE ARCHIVE

You can download the Red Hat JBoss Fuse archive from the Customer Portal>Downloads>JBoss Enterprise Middleware>Downloads page. After logging in, go to the sidebar menu under JBoss Enterprise Platforms and select *Fuse*. Click the **Download** button next to the product that you want to download.



NOTE

Trial kits are also available from the developer Web site, at http://jboss.org/products/fuse. *These kits are not supported by Red Hat*

UNPACKING THE ARCHIVE

Red Hat JBoss Fuse is packaged as a **.zip** file. Using a suitable archive tool, such as **Zip**, unpack Red Hat JBoss Fuse into a directory to which you have full access.

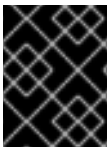
WARNING

Do not unpack the archive file into a folder that has spaces in its path name. For example, do not unpack into **C:\Documents and Settings\Greco Roman\Desktop\fusesrc**.

CHAPTER 4. ADDING A REMOTE CONSOLE USER

Abstract

The server's remote command console is not configured with a default user. Before you can connect to the server's console remotely, you must add a user to the configuration.



IMPORTANT

The information in this file is unencrypted so it is not suitable for environments that require strict security.

To add a user:

1. Open ***InstallDir*/etc/users.properties** in your favorite text editor.
2. Locate the line **#admin=admin,admin**.

   This line specifies a user **admin** with the password **admin** and the role **admin**.
3. Remove the leading # to uncomment the line.
4. Replace the first **admin** with a name for the user.
5. Replace **admin** with the password for the user.
6. Leave the last **admin** as is, and save the changes.
7. To access the container's JMX port and to use the ActiveMQ Web console, you must specify the credentials for them. To do so, open ***InstallDir*/etc/system.properties** in your favorite text editor and search for the following lines:

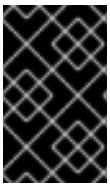
   ```
   #
   # Authentication - must match an entry in users.properties with the
   admin privilege
   #
   #activemq.jmx.user=admin
   #activemq.jmx.password=admin
   ```

   Uncomment the **activemq.jmx.user=admin** and **activemq.jmx.password=admin** settings (by removing the leading #) and change the username and password values to the same username and password values you just defined in the **etc/users.properties** file.

CHAPTER 5. MONITORING FUSE RESOURCES

Abstract

Using Red Hat JBoss Operations Network (JON), you can discover, import, and monitor Red Hat JBoss Fuse.



IMPORTANT

The Fuse Plugin Pack for JBoss ON 3.1.2 is not installed with the JON base distribution. You must download and install it separately after you have installed the JON base distribution.

To install the **`Fuse Plugin Pack for JBoss ON 3.1.2`**:

1. Navigate to the Red Hat Customer Portal>Downloads>JBoss Enterprise Middleware>Downloads page.
2. In the sidebar menu, under JBoss Enterprise Platforms, select *Fuse*.
3. Click **`Download`** next to JON 3.1.2 Plugin Pack for JBoss Fuse 6.0.0 .
4. Unzip the plugin package (**`JON-3.1.2-Fuse/jon-plugin-pack-fuse-3.1.2.GA.zip`**) into the ***`/installDir/server/`*** directory.
5. Install the jar files in one of two ways:
   - Hot Deploy

     Copy the unpacked jar files into the JBoss Operations Network's ***`/installDir/server/`*****`plugins/`** directory. For details, see the JBoss Operations Network Installation Guide.
   - JON Server UI

     For details, see the JBoss Operations Network Installation Guide , or watch the video Installing JBoss Operations Network - Part 4, Installing JON Agent Plugins .

APPENDIX A. INSTALLING THE APACHE COMPONENTS

Abstract

Red Hat JBoss Fuse includes standard distribution of Apache Camel and Apache CXF in the installation's `extras` directory.

If you simply want to use a standard distribution of Apache Camel or Apache CXF without the OSGi container or Fuse Fabric you can use the archived versions in the installation's `extras` directory.

The following archive files are provided:

Apache Camel

`apache-camel-2.10.0.redhat-60024.zip`

Apache CXF

`apache-cxf-2.6.0.redhat-60024.zip`

You can copy the file to the desired location and decompress it using the appropriate utility for your platform.

WARNING

Do not unpack the archive file into a folder that has spaces in its path name. For example, do not unpack into `C:\Documents and Settings\Greco Roman\Desktop\fusesrc`.