



Red Hat JBoss Enterprise Application Platform 8-beta

JBoss EAP Installation Methods

Downloading and installing JBoss EAP using the archive installation method on RHEL
and Microsoft Windows server

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Abstract

Downloading and installing JBoss EAP using the archive installation method on RHEL and Microsoft Windows server.

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CHAPTER 1. INSTALLING AND UNINSTALLING JBOSS EAP USING ARCHIVE INSTALLATION METHOD

1.1. JBOSS EAP INSTALLATION METHODS

You can choose to install JBoss EAP using any of the three types of installation methods:

- Installer method
- Archive installation method
- RPM installation method



NOTE

This documentation only covers the archive installation process.

Depending on your requirements, each installation method is useful in certain situations.

The following table provides a brief overview of each type of installation methods.

Table 1.1. Installation Methods

Method	Description
Installer installation	<ul style="list-style-type: none"> • You can run the installer on a console or as a graphical wizard. Both options provide step-by-step instructions for installing and configuring the server instance. The Installer Installation is the preferred method to install JBoss EAP on all supported platforms. • The graphical installer also provides an additional setup option, including Quickstarts and configuration of the Maven repository.
Archive Installation	<ul style="list-style-type: none"> • The archive installation is suitable for installation on all supported operating systems • Use this method if you want to extract the instance manually. • The archive installation provides a default installation of JBoss EAP, and you must implement any configuration changes after the installation.
RPM Installation	You can install JBoss EAP using RPM packages on supported installations of Red Hat Enterprise Linux 7 or later.

1.2. DOWNLOADING AND INSTALLING JBOSS EAP USING ARCHIVE INSTALLATION METHOD

You can download and install JBoss EAP using the archive installation method on Red Hat Enterprise Linux RHEL and on Microsoft Windows server.

Prerequisites

- You are on a supported operating system.
- You have set up an account on the Red Hat Customer Portal.
- You have Installed a supported Java Development Kit (JDK).
- You have reviewed the JBoss EAP 8 supported configurations and have ensured that your system is supported.
- Microsoft Windows only: You have set the **JAVA_HOME** and **PATH** environment variables.



NOTE

If you do not set up the environment variables the shortcuts will not work.

Procedure

1. Log in to the [Red Hat Customer Portal](#).
2. Click **Downloads**
3. Select **Red Hat JBoss Enterprise Application Platform** from the **Product Downloads** list.
4. In the **Version** drop-down list, select **8.0**.
5. Find **Red Hat JBoss Enterprise Application Platform 8.0.0** in the list and click the **Download** link.
6. Optional: Move the archive file to the server and location where you want to install JBoss EAP.
7. Depending on your operating system, choose one of the following options:

- For Red Hat Enterprise Linux, extract the archive file by entering the following command in the management CLI:

```
$ unzip jboss-eap-8.0.0.zip
```

- For Windows Server, right-click the archive file and select **Extract All**.



NOTE

EAP_HOME is the top-level directory for the JBoss EAP installation. Create the directory by extracting the archive file.

Additional resources

- For more information about configuring your JBoss EAP server, see [our configuration guide](#).

1.3. UNINSTALLING JBOSS EAP ARCHIVE INSTALLATION

Depending on your work environment, the archive installation method might not meet the needs of your environment. You can remove the instance of JBoss EAP and any services associated with it. Thereafter, you can install JBoss EAP using a suitable installation method.

Prerequisites

- You have archived any modified configuration files and deployments that you can reuse at a later stage.

Procedure

1. Delete the installation directory to uninstall JBoss EAP.
2. Delete any scripts that depend on JBoss EAP being installed on your machine.

CHAPTER 2. RUNNING AND REMOVING JBOSS EAP AS A SERVICE ON RHEL

2.1. RUNNING JBOSS EAP AS A SERVICE ON RHEL

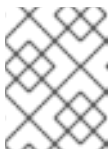
You can configure JBoss EAP to run as a service in Red Hat Enterprise Linux RHEL. This enables your the JBoss EAP service to start automatically when the RHEL server starts.

Prerequisites

- You have downloaded and Installed JBoss EAP.
- You have set the **JAVA_HOME** system environment variable.
- You have administrator privileges on the server.

Procedure

1. Configure the start-up options in the **jboss-eap.conf** file by opening the **jboss-eap.conf** in a text editor and set the options for your JBoss EAP installation.
2. Copy the service initialization and configuration files into the system directories:
 - a. Copy the modified service configuration file to the **/etc/default** directory.



NOTE

The commands in this procedure require root privileges to run. Either run **su -** to switch to the root user or preface the commands with **sudo**.

```
$ sudo cp EAP_HOME/bin/init.d/jboss-eap.conf /etc/default
```

- b. Copy the service startup script to the **/etc/init.d** directory and give it execute permissions:

```
$ sudo cp EAP_HOME/bin/init.d/jboss-eap-rhel.sh /etc/init.d
$ sudo chmod +x /etc/init.d/jboss-eap-rhel.sh
$ sudo restorecon /etc/init.d/jboss-eap-rhel.sh
```

3. Add the new **jboss-eap-rhel.sh** service to the list of automatically started services using the **chkconfig** service management command:

```
$ sudo chkconfig --add jboss-eap-rhel.sh
```

4. Verify that the service has been installed correctly by using one of the following commands.

- a. For Red Hat Enterprise Linux 6:

```
$ sudo service jboss-eap-rhel.sh start
```

- b. For Red Hat Enterprise Linux 7 and later:

```
$ sudo service jboss-eap-rhel start
```

-
- Optional: To make the service start automatically when the RHEL server starts, run the following command:

```
$ sudo chkconfig jboss-eap-rhel.sh on
```

Verification

- To check the permissions of a file, enter the **ls -l** command in the directory containing the file.
- To check that the automatic service start is enabled, enter the following command:

```
$ sudo chkconfig --list jboss-eap-rhel.sh
```

Additional resources

- For more information about controlling the state of services, see [Management system services](#) in the JBoss EAP Configuring basic system settings guide.
- For more information about viewing error logs, see [Bootup logging](#) in the JBoss EAP Configuration Guide.

2.2. REMOVING JBOSS EAP SERVICE ON RHEL

You can remove an instance of JBoss EAP and any of its services associated. After you remove these components, you can install JBoss EAP by using a suitable installation method.

Prerequisites

- You have JBoss EAP installed.

Procedure

- When the service is running, open a terminal and stop the service with one of the following command:

```
$ sudo service jboss-eap-rhel.sh stop
```



NOTE

The commands in this procedure require root privileges to run. Either run **su** - to switch to the root user or preface the commands with **sudo**.

- Remove JBoss EAP from the list of services:

```
$ sudo chkconfig --del jboss-eap-rhel.sh
```

- Delete the configuration file and startup script:

```
$ sudo rm /etc/init.d/jboss-eap-rhel.sh  
$ sudo rm /etc/default/jboss-eap.conf
```

CHAPTER 3. RUNNING AND REMOVING JBOSS EAP AS A SERVICE ON MICROSOFT WINDOWS SERVER

3.1. RUNNING JBOSS EAP AS A SERVICE ON MICROSOFT WINDOWS SERVER

You can configure JBoss EAP to run as a service on Microsoft Windows server. This method provides a basic default installation of a server, with configuration files and libraries placed in standard folders.



NOTE

If you use the **set** command to set system environment variables in a Windows Server command prompt, it does not permanently set the environment variables. You must use either the **setx** command, or the **System** interface in the **Control Panel**.

Prerequisites

- You have installed JBoss EAP.
- You have administrator privileges on the server.
- You have set the **JAVA_HOME** system environment variable.
- You have verified that the JBoss EAP server instance is not running.

Procedure

1. Use the **setx** command to create two system environment variables: **JBOSS_HOME** and **NOPAUSE**.
2. Use the **setx** command to configure the two environment variables:
 - a. Set the path for the **JBOSS_HOME** variable to the JBoss EAP installation directory.
 - b. The **jboss-cli.bat** script contains the "**x%NOPAUSE%**" == "**x**" **pause** line of code. This code creates a status message when you issue the pause command. To disable these messages, you must specify a value for the **NOPAUSE** variable. For example, setting the **NOPAUSE** variable to **NOPAUSE=true** disables status messages from appearing when a script completes.

Additional resources

- To learn more about how to set environment variables on a Microsoft Windows Server, refer to the Microsoft Windows documentation.

3.2. REMOVING JBOSS EAP SERVICE ON MICROSOFT WINDOWS SERVER

You can remove an instance of JBoss EAP and any services associated with it. Thereafter, you can install JBoss EAP by using a suitable installation method.

Prerequisites

- You have JBoss EAP installed.

Procedure

1. When the service is running, open the command prompt and stop the service by entering the **net** stop command with the name of the service:

```
net stop JBossEAP7
```

2. At a command prompt, change directories to **EAP_HOME\bin** and execute the following command:

```
service.bat uninstall
```