



Red Hat JBoss Web Server 5.7

Red Hat Ansible Certified Content Collection 1.2 for Red Hat JBoss Web Server Release Notes

For Use with the Red Hat JBoss Web Server 5.7

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Abstract

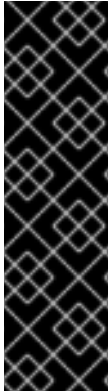
These release notes contain important information related to the Red Hat Ansible Certified Content Collection 1.2 for Red Hat JBoss Web Server.

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PREFACE

The Red Hat Ansible Certified Content Collection for Red Hat JBoss Web Server is a prepackaged Ansible content collection that Red Hat provides. You can use the Red Hat Ansible Certified Content Collection to automate the installation and configuration of the Red Hat JBoss Web Server product. You can also add customized tasks to your playbook to automate the deployment of JBoss Web Server applications either at the same time as the automated product installation or later.



IMPORTANT

The Red Hat Ansible Certified Content Collection is a Technology Preview feature only. Technology Preview features are not supported with Red Hat production service level agreements (SLAs) and might not be functionally complete. Red Hat does not recommend using them in production. These features provide early access to upcoming product features, enabling customers to test functionality and provide feedback during the development process.

For more information about the support scope of Red Hat Technology Preview features, see [Technology Preview Features Support Scope](#).

PROVIDING FEEDBACK ON RED HAT DOCUMENTATION

We appreciate your feedback on our technical content and encourage you to tell us what you think. If you'd like to add comments, provide insights, correct a typo, or even ask a question, you can do so directly in the documentation.



NOTE

You must have a Red Hat account and be logged in to the customer portal.

To submit documentation feedback from the customer portal, do the following:

1. Select the **Multi-page HTML** format.
2. Click the **Feedback** button at the top-right of the document.
3. Highlight the section of text where you want to provide feedback.
4. Click the **Add Feedback** dialog next to your highlighted text.
5. Enter your feedback in the text box on the right of the page and then click **Submit**.

We automatically create a tracking issue each time you submit feedback. Open the link that is displayed after you click **Submit** and start watching the issue or add more comments.

Thank you for the valuable feedback.

MAKING OPEN SOURCE MORE INCLUSIVE

Red Hat is committed to replacing problematic language in our code, documentation, and web properties. We are beginning with these four terms: master, slave, blacklist, and whitelist. Because of the enormity of this endeavor, these changes will be implemented gradually over several upcoming releases. For more details, see [our CTO Chris Wright's message](#).

CHAPTER 1. RED HAT ANSIBLE CERTIFIED CONTENT COLLECTION 1.2 FOR RED HAT JBOSS WEB SERVER

Welcome to the Red Hat Ansible Certified Content Collection version 1.2 release for Red Hat JBoss Web Server.

For general information about the Red Hat Ansible Certified Content Collection, see the [Ansible Collection - redhat.jws](#) page in the [Red Hat Automation Hub](#). The [Ansible Collection - redhat.jws](#) page includes information about the roles that the collection contains. You can click the name of a role to view details about the purpose of this role, any requirements or dependencies, and the list of variables and default settings that the role uses to complete automation tasks.

For more information about Ansible concepts or the benefits of using Ansible, see [Ansible concepts and benefits](#).



NOTE

The rest of this document refers to the Red Hat Ansible Certified Content Collection for Red Hat JBoss Web Server as the *JBoss Web Server collection*.

CHAPTER 2. INSTALLING THE JBOSS WEB SERVER COLLECTION 1.2

As a first step toward automating deployments of Red Hat JBoss Web Server by using Ansible, you must download and install the JBoss Web Server collection from the [Red Hat Automation Hub](#). The JBoss Web Server collection is named **redhat.jws** in the Red Hat Automation Hub. Before you install the JBoss Web Server collection, you must ensure that your system complies with certain prerequisites. You must install the JBoss Web Server collection on an Ansible control node in your system.

For more information about any prerequisites and installing the collection, see [Installing the JBoss Web Server collection](#).

CHAPTER 3. FEATURES THAT ARE AVAILABLE IN THIS RELEASE

This release of the JBoss Web Server collection includes the following features.

3.1. SUPPORT FOR JBOSS WEB SERVER 5.7 ON RED HAT ENTERPRISE LINUX 8

The JBoss Web Server collection 1.2 release supports the automated installation of Red Hat JBoss Web Server 5.7 on target hosts that are running on the Red Hat Enterprise Linux 8 operating system.

3.2. PREDEFINED SET OF VARIABLES FOR ENABLING AUTOMATION TASKS

The JBoss Web Server collection provides a comprehensive set of predefined variables and default values that you can manually update to suit your setup requirements. These variable settings provide all the information that the JBoss Web Server collection requires to complete an automated and customized installation of Red Hat JBoss Web Server on your target hosts.

For a full list of variables that the JBoss Web Server collection provides, see the [information page for the `jws` role](#) in the [Red Hat Automation Hub](#). The information page for the `jws` role lists the names, descriptions, and default values for all the variables that you can define.

3.3. AUTOMATED INSTALLATION OF RED HAT JBOSS WEB SERVER FROM ARCHIVE FILES

By default, the JBoss Web Server collection supports the automated installation of Red Hat JBoss Web Server from product archive files. Before you use the JBoss Web Server collection to install Red Hat JBoss Web Server, you must obtain and copy the JBoss Web Server archive files to your Ansible control node. If the JBoss Web Server archive files are not already available on your system, you can download the archive files manually from the Red Hat Customer Portal.

After you copy the archive files, you can set a variable to specify the product version that you want to install. If you decide to change the names of the archive files on your Ansible control node, you can also set variables to specify the appropriate file names. After you set installation details for the product archive files, the JBoss Web Server collection automatically extracts these files and installs the product on your target hosts when you subsequently run the playbook.

For more information, see [Enabling the automated installation of JBoss Web Server archive files](#).

3.4. AUTOMATED INSTALLATION OF RED HAT JBOSS WEB SERVER PATCH UPDATES

If product patch updates are available for the appropriate JBoss Web Server version, you can also use the JBoss Web Server collection to install the latest cumulative patch updates on your target hosts. You can use the same steps to enable the automated installation of patch updates regardless of whether you want to install the updates at the same time as the 5.7.0 version or later.

By default, the JBoss Web Server collection is configured to install JBoss Web Server patch updates from product archive files. First, you must obtain and copy the archive files for the latest patch updates to your Ansible control node. If the archive files for the latest patch updates are not already available on your system, you can download the archive files manually from the Red Hat Customer Portal.

After you copy the archive files, you can set a variable to enable the automated installation of patch updates. The JBoss Web Server collection then automatically extracts these files and installs the updates on your target hosts when you subsequently run the playbook.

For more information, see [Enabling the automated installation of JBoss Web Server patch updates](#).

3.5. AUTOMATED INSTALLATION OF RED HAT OPENJDK

By default, the JBoss Web Server collection does not install a JDK automatically on your target hosts, based on the assumption that you have already installed a supported JDK on these hosts. However, for the sake of convenience, you can optionally set a variable to enable the automated installation of a supported version of Red Hat OpenJDK. In this situation, the JBoss Web Server collection automatically installs the specified OpenJDK version on each target host when you subsequently run the playbook.



NOTE

The JBoss Web Server collection supports the automated installation of Red Hat OpenJDK only. If you want to use a supported version of IBM JDK or Oracle JDK, you must install the JDK manually on each target host or you can automate this process by using your playbook. For more information about manually installing a version of IBM JDK or Oracle JDK, see the [Red Hat JBoss Web Server Installation Guide](#).

For more information, see [Ensuring that a JDK is installed on the target hosts](#).

3.6. AUTOMATED CREATION OF PRODUCT USER ACCOUNT AND GROUP

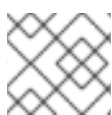
By default, the JBoss Web Server collection creates a **tomcat** user account and a **tomcat** group automatically on each target host. However, if you want the JBoss Web Server collection to create a different user account and group, you can set variables to modify the behavior of the JBoss Web Server collection to suit your setup requirements. In this situation, the JBoss Web Server collection automatically creates the specified user account and group name on each target host when you subsequently run the playbook.

For more information, see [Ensuring that a product user and group are created on the target hosts](#).

3.7. AUTOMATED INTEGRATION OF RED HAT JBOSS WEB SERVER WITH SYSTEMD

By default, the JBoss Web Server collection is not configured to set up Red Hat JBoss Web Server as a service that a system daemon can manage. However, if you want the JBoss Web Server collection to integrate Red Hat JBoss Web Server with a system daemon, you can set a variable to modify the behavior of the JBoss Web Server collection to suit your setup requirements.

If you enable this feature, the JBoss Web Server collection sets up Red Hat JBoss Web Server as a **jws5-tomcat** service automatically on each target host. However, if you want to use a different service name, you can also set a variable to instruct the JBoss Web Server collection to create a different service name.



NOTE

The default system daemon is **systemd**.

For more information, see [Enabling the automated integration of JBoss Web Server with **systemd**](#).

3.8. AUTOMATED CONFIGURATION OF RED HAT JBOSS WEB SERVER PRODUCT FEATURES

The JBoss Web Server collection provides a comprehensive set of variables to enable the automated configuration of a Red Hat JBoss Web Server installation. By default, the JBoss Web Server collection configures Red Hat JBoss Web Server to listen for nonsecure HTTP connections on port **8080**.

Other product features such as the following are disabled by default:

- Support for secure HTTPS connections
- **Mod_cluster** support for load-balancing HTTP server requests to the JBoss Web Server back end
- The password vault for storing sensitive data in an encrypted Java keystore
- Support for SELinux policies
- Support for Apache JServ Protocol (AJP) traffic between JBoss Web Server and the Apache HTTP Server

To enable a wider set of product features, you can set variables to modify the behavior of the JBoss Web Server collection to suit your setup requirements.

For more information, see [Enablement of automated JBoss Web Server configuration tasks](#).

3.9. AUTOMATED DEPLOYMENT OF JBOSS WEB SERVER APPLICATIONS

You can also automate the deployment of web applications on your target hosts by adding customized tasks to the playbook. If you want to deploy a new or updated application when Red Hat JBoss Web Server is already running, the JBoss Web Server collection provides a handler to restart the web server when the application is deployed.

For more information, see [Enabling the automated deployment of JBoss Web Server applications on your target hosts](#).

CHAPTER 4. RESOLVED ISSUES

There are no resolved issues for this initial release of the JBoss Web Server collection.

CHAPTER 5. KNOWN ISSUES

The following issues are known to affect this release:

Issue	Description
JWS-2695	Selinux is not working
JWS-2693	Native patch not applied
JWS-2692	Preinstalled Java is not recognized