



Red Hat JBoss Enterprise Application Platform 7.3

Red Hat JBoss EAP XP 2.0.0 Migration Guide

Guidance for upgrading and migrating from JBoss EAP XP 1.0 to JBoss EAP XP 2.0.0

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Abstract

This document provides general information about using Eclipse MicroProfile in JBoss EAP XP 2.0.0.

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CHAPTER 1. JBOSS EAP XP MIGRATION GUIDE

1.1. UPGRADES AND MIGRATIONS

After you upgrade the JBoss EAP Expansion Pack, you might have to update application code.

NOTE

No application migration requirement has been identified for this release.

Before starting the upgrade and migration process, prepare for the process:

- Review new JBoss EAP XP capabilities and features added in the new JBoss EAP XP release.
- Review enhancements to existing MicroProfile capabilities.

After you complete your preparations, you can upgrade your JBoss EAP XP. After you have upgraded successfully, you can implement any necessary application migrations.

1.1.1. Upgrades from JBoss EAP 7.2 and earlier

JBoss EAP XP is only supported on JBoss EAP 7.3.

If you operate servers on JBoss EAP 7.2 or earlier and want to use JBoss EAP XP, upgrade the servers to JBoss EAP 7.3. Complete any necessary migration before attempting to install JBoss EAP XP.

Additional resources

- [JBoss EAP 7.3 Migration Guide](#)

1.2. PREPARATION FOR UPGRADE AND MIGRATION

When you plan and prepare you increase the likelihood of a successful upgrade and migration.

1.2.1. New JBoss EAP XP capabilities

- Starting in JBoss EAP XP 2.0.0, you can create a bootable JAR. A bootable JAR contains the server, a packaged application, and the runtime required to launch the server.

1.2.2. Enhancements to MicroProfile capabilities

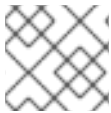
The JBoss EAP XP 2.0.0 release includes additional server health probes.

- server status: Indicates whether the server is running.
- boot-errors: Indicates whether boot errors were detected.
- deployment status: Indicates the status of deployments.

1.3. UPGRADING JBOSS EAP XP 1.0.X TO 2.0.0

Upgrade JBoss EAP XP 1.0.x to 2.0.0 using the **upgrade** command that is provided in JBoss EAP XP manager.

Use JBoss EAP XP 2.0.0 to manage JBoss EAP XP 2.0.0 patch streams.



NOTE

JBoss EAP XP 2.0.0 is certified with JBoss EAP 7.3.4.

Prerequisites

- The base JBoss EAP server is updated to 7.3.4 or later version.

Procedure

1. Verify that your server is in the correct state for upgrade:

```
$ java -jar jboss-eap-xp-manager.jar status --jboss-home=/PATH/TO/EAP-XP
...
You are currently on JBoss EAP XP 1.
You are using an old version of JBoss EAP XP. The current version is 2, please upgrade.
Enabled patch streams and their cumulative patch ids:
- Patch stream: 'JBoss EAP'; Cumulative patch id: 'jboss-eap-7.3.1.CP'
- Patch stream: 'jboss-eap-xp-1.0'; Cumulative patch id: 'jboss-eap-xp-1.0.0.CP'
Available commands in this state are: [remove, upgrade]
```

If you see output similar to the above, you can upgrade your JBoss EAP XP server.

If the output indicates that the server is in an inconsistent state, follow the [Troubleshooting steps](#).

2. Use the **upgrade** command to upgrade JBoss EAP XP 1.0.x to 2.0.0.

```
$ java -jar jboss-eap-xp-manager.jar upgrade --jboss-home=/PATH/TO/EAP
```



NOTE

You can apply the JBoss EAP XP 2.0.0 patch at the same time. Include the path to the JBoss EAP XP 2.0.0 patch using the **--xp-patch** argument.

Example:

```
$ java -jar jboss-eap-xp-manager.jar upgrade --jboss-home=/PATH/TO/EAP --xp-patch /PATH/TO/PATCH/jboss-eap-xp-2.0.0-patch.zip
```

3. Accept the support policy prompt by entering **yes**.
The server is now ready to manage the JBoss EAP XP 2.0 patch stream.
4. Optional: If you did not use the **--xp-patch** argument with the **upgrade** command, use the JBoss EAP XP manager 2.0.0 **patch-apply** command to apply the JBoss EAP XP 2.0.0 patch patch:

```
$ java -jar jboss-eap-xp-manager.jar patch-apply --jboss-home=/PATH/TO/EAP --patch=/PATH/TO/PATCH/jboss-eap-xp-2.0.0-patch.zip
```


Use the JBoss EAP XP manager 2.0.0 **patch-apply** command to apply the latest JBoss EAP XP 2.0.x patches when they are available.

Your server is ready to manage the JBoss EAP XP 2.0 patch stream and is patched with the JBoss EAP XP 2.0.0 patch.

Troubleshooting steps

1. Remove the JBoss EAP XP patch stream using the **remove** command of JBoss EAP XP manager 2.0.0:

```
█ $ java -jar jboss-eap-xp-manager.jar remove --jboss-home=/PATH/TO/EAP
```

2. Re-install JBoss EAP XP 2.0.0.

Additional resources

- [Installing JBoss EAP XP 2.0.0 on JBoss EAP 7.3.x](#)