

JDK6 Compatibility Notes

JBoss Enterprise Application Platform

0.1



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JDK6 Compatibility Notes

This book is about EAP compatibility with JDK6

JDK6 Compatibility Notes: JBoss Enterprise Application Platform

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Preface

1. Document Conventions

Certain words in this manual are represented in different fonts, styles, and weights. This highlighting indicates that the word is part of a specific category. The categories include the following:

Courier font

Courier font represents commands, file names and paths, and prompts .

When shown as below, it indicates computer output:

```
Desktop      about.html   logs         paulwesterberg.png
Mail         backupfiles mail         reports
```

bold Courier font

Bold Courier font represents text that you are to type, such as: **service jonas start**

If you have to run a command as root, the root prompt (#) precedes the command:

```
# gconftool-2
```

italic Courier font

Italic Courier font represents a variable, such as an installation directory:

```
install_dir/bin/
```

bold font

Bold font represents **application programs** and **text found on a graphical interface**.

When shown like this: **OK** , it indicates a button on a graphical application interface.

Additionally, the manual uses different strategies to draw your attention to pieces of information. In order of how critical the information is to you, these items are marked as follows:



Note

A note is typically information that you need to understand the behavior of the system.



Tip

A tip is typically an alternative way of performing a task.



Important

Important information is necessary, but possibly unexpected, such as a configuration change that will not persist after a reboot.



Caution

A caution indicates an act that would violate your support agreement, such as recompiling the kernel.



Warning

A warning indicates potential data loss, as may happen when tuning hardware for maximum performance.

2. We Need Feedback!

If you find a typographical error in this manual, or if you have thought of a way to make this manual better, we would love to hear from you! Please submit a report in Bugzilla: <http://bugzilla.redhat.com/bugzilla/> against the product **Documentation**.

When submitting a bug report, be sure to mention the manual's identifier:
JDK6_Compatibility_Notes

If you have a suggestion for improving the documentation, try to be as specific as possible when describing it. If you have found an error, please include the section number and some of the surrounding text so we can find it easily.

Running JBoss Enterprise Application Platform 4.3 with JavaSE 6

We have successfully certified JBoss Enterprise Application Platform 4.3, Cumulative Patch release 01 and above to run with Sun JDK 6, Update 5 and above.

Setup Required:

- JavaSE 6 includes support for JAX-WS, Version 2.1. Before starting your server, you need replace the APIs included in JDK 6 with the JBossWS jars by simply copying the following jars to `#{JBOSS_HOME}/lib/endorsed` from `#{JBOSS_HOME}/server/production/lib`:
 - `jboss-jaxrpc.jar`
 - `jboss-jaxws.jar`
 - `jboss-saaj.jar`
- In order to run testng tests in Jboss Developer Studio on EAP4.3 with JDK6 the user must add `"-Dsun.lang.ClassLoader.allowArraySyntax=true"` to the VM arguments for the testng runner/debugger

1. Known Issues

The issues listed below with hibernate are to be fixed in the third cumulative patch release of EAP 4.3

- [JBPAPP-916](http://jira.jboss.org/jira/browse/JBPAPP-916)¹: Unimplemented methods in Hibernate for JDK 6 interfaces. `NoSuchMethodError` occurs when trying to use these methods with JDK 6.
- [JBPAPP-906](http://jira.jboss.org/jira/browse/JBPAPP-906)²: Bad usage of `ClassLoader.loadClass()` for Java6 in `SerializationHelper` `$CustomObjectInputStream` - deserialization bottleneck for arrays.
- In our testing, we have seen an issue when an ORB gets prematurely destroyed when using Sun JDK 6 and is consistent with the the issue described in Sun Bug ID: 6520484. For detailed description of the problem and potential workaround, see: http://bugs.sun.com/bugdatabase/view_bug.do;jsessionid=fd40a0e2c4c9b79adab12ca088bd?bug_id=6520484

¹ <http://jira.jboss.org/jira/browse/JBPAPP-916>

² <http://jira.jboss.org/jira/browse/JBPAPP-906>

2. References

Other JavaSE 6 reference documentation:

- [Java SE 6 Release Notes - Compatibility](http://java.sun.com/javase/6/webnotes/compatibility.html)³:<http://java.sun.com/javase/6/webnotes/compatibility.html>
- [JDK 6 Adoption Guide](http://java.sun.com/javase/6/webnotes/adoption/adoptionguide.html)⁴:<http://java.sun.com/javase/6/webnotes/adoption/adoptionguide.html>

³ <http://java.sun.com/javase/6/webnotes/compatibility.html>

⁴ <http://java.sun.com/javase/6/webnotes/adoption/adoptionguide.html>

Appendix A. Revision History

Revision History

Revision 1.0

