Red Hat JBoss Developer Studio 10.3 Components and Supported Configurations

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Supported Configurations and Components for Red Hat JBoss Developer Studio

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Abstract

This document contains information about supported configurations for Red Hat JBoss Developer Studio and details about components included in each release.

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PREFACE

Every Red Hat JBoss Developer Studio release is tested and supported on a variety of market-leading operating systems, Java Virtual Machines (JVMs), and Red Hat JBoss Enterprise Application Platform servers and technologies. Information about support for each JBoss Developer Studio release is detailed here.

CHAPTER 1. JBOSS DEVELOPER STUDIO COMPONENTS

JBoss Developer Studio releases comprise the component versions of Eclipse and JBoss Tools as listed here.

JBoss Developer Studio	Eclipse	JBoss Tools
10	Neon (4.6)	4.4.x
9	Mars (4.5)	4.3.x
8	Luna (4.4)	4.2.x
7	Kepler (4.3)	4.1.x
6	Juno (4.2)	4.0.x
5	Indigo (3.7)	3.3.x
4.1	Helios (3.6)	3.2.x

CHAPTER 2. SUPPORTED PLATFORMS AND RUNTIME SERVERS

Versions of Red Hat JBoss Enterprise Application Platform supported by individual JBoss Developer Studio releases and included in the combined JBoss Developer Studio and JBoss EAP installer (available on the Customer Portal) are listed here.

JBoss Developer Studio	JBoss EAP Supported [a]	JBoss EAP in Combined Installer
10.0, 10.1, 10.2, 10.3	4.3 5.2 6.x, 7.x	7.0
9.0 & 9.1	4.3 5.2 6.x	6.4.0
8.0 & 8.1	4.3 5.0, 5.1, 5.2 6.x	6.3.0
7.1	4.3 5.0, 5.1, 5.2 6.0, 6.1, 6.2	6.2.0
7.0	4.3 5.0, 5.1, 5.2 6.0, 6.1	6.1.0
6.0	4.3 5.0, 5.1 6.0	6.0.1
5.0	4.3 5.0, 5.1 6.0	6.0.0
4.1	4.3 5.0, 5.1	5.1.x

JBoss Developer Studio	JBoss EAP Supported [a]	JBoss EAP in Combined Installer

[a] Products built on these versions of JBoss EAP are also supported, such as Red Hat JBoss Fuse Service Works and Red Hat JBoss Portal (formerly JBoss Enterprise SOA Platform and JBoss Enterprise Portal Platform, respectively).

CHAPTER 3. SUPPORTED FRAMEWORKS

The frameworks that are supported by individual JBoss Developer Studio releases are listed here.

JBoss Developer Studio	Java EE[a]	Hibernate	Seam	Richfaces	Apache Cordova	jQuery Mobile	AngularJS + Ionic
10.x	5 6 7	3.5 3.6 4.0 4.3 5.0 5.1	2.3	3.3.x, 4.0.x	For iOS: 3.5.0, 3.6.0, 3.6.1, 3.6.3, 3.7.0, 3.8.0, 3.9.0, 3.9.1, 3.9.2, 4.0.0, 4.0.1 For Cordova-Android: 3.5.0, 3.5.1, 3.6.0, 3.6.1, 3.6.3, 3.6.4, 3.7.0, 3.7.1, 3.7.2, 4.0.0, 4.0.1, 4.0.2, 4.1.0, 4.1.1, 5.0.0	1.3, 1.4	AngularJS 0.10 Ionic 1.0

JBoss Developer Studio	Java EE[a]	Hibernate	Seam	Richfaces	Apache Cordova	jQuery Mobile	AngularJS + Ionic
9.1	5 6 7[b]	3.5 3.6 4.0 4.3	2.3	3.3.x, 4.0.x	For iOS: 3.5.0, 3.6.0, 3.6.1, 3.6.3, 3.7.0, 3.8.0, 3.9.0, 3.9.1, 3.9.2, 4.0.0, 4.0.1 For Cordova-Android: 3.5.0, 3.5.1, 3.6.0, 3.6.1, 3.6.3, 3.6.4, 3.7.0, 3.7.1, 3.7.2, 4.0.0, 4.0.1, 4.0.2, 4.1.0, 4.1.1, 5.0.0	1.3, 1.4	AngularJS 0.10 Ionic 1.0

JBoss Developer Studio	Java EE[a]	Hibernate	Seam	Richfaces	Apache Cordova	jQuery Mobile	AngularJS + Ionic
9.0	5 6 7[b]	3.5 3.6 4.0 4.3	2.3	3.3.x, 4.0.x	For iOS: 3.5.0, 3.6.0, 3.6.1, 3.6.3, 3.7.0, 3.8.0, 3.9.0, 3.9.1 For Cordova-Android: 3.5.0, 3.5.1, 3.6.0, 3.6.1, 3.6.3, 3.6.4, 3.7.0, 3.7.1, 3.7.2, 4.0.0, 4.0.1, 4.0.2, 4.1.0, 4.1.1	1.3, 1.4	AngularJS 0.10 Ionic 1.0
8.1	5 6 7[b]	3.5 3.6 4.0 4.3	1.1 1.2 2.0 2.1 2.2 2.3	3.3.x 4.0.x	3.x & later	1.3 1.4	AngularJS 1.2.12[c] Ionic 1.0.0-beta.14[b]
8.0	5 6 7[b]	3.5 3.6 4.0 4.3	1.1 1.2 2.0 2.1 2.2 2.3	3.3.x 4.0.x	3.x	1.3 1.4	AngularJS 1.2.12[c] Ionic 1.0.0-beta.5b[b]

JBoss Developer Studio	Java EE[a]	Hibernate	Seam	Richfaces	Apache Cordova	jQuery Mobile	AngularJS + Ionic
7.1	5 6	3.5 3.6 4.0	1.1 1.2 2.0 2.1 2.2	3.3.x 4.0.x	3.1	1.3	-
7.0	5 6	3.5 3.6 4.0	1.1 1.2 2.0	3.3.x 4.0.x	-	-	-
6.0	5 6	3.5 3.6 4.0	1.1 1.2 2.0	3.3.x 4.0.x	-	-	-
5.0	5 6	3.5 3.6 4.0	1.1 1.2 2.0	3.3.x 4.0.x	-	-	-
4.1	5	3.5	1.1 1.2 2.0	3.3.x	-	-	-

[a] Supported derivatives of Java EE are CDI, JavaServer Faces (JSF), JAX-RS and JAX-WS.

[b] Supported as Technology Preview; for more information on Technology Preview support scope, see https://access.redhat.com/support/offerings/techpreview/.

[c] Supported as Early Access; you are encouraged to use these items and to give feedback but be aware that they are not supported by Red Hat, not guaranteed to work, and subject to removal at any time.

CHAPTER 4. SUPPORTED OPERATING SYSTEMS AND JAVA DEVELOPMENT KITS

The operating systems, chip architectures, and Java Development Kits that are supported by individual JBoss Developer Studio releases are listed here.

- JBoss Developer Studio 10.0, 10.1, 10.2, 10.3
- JBoss Developer Studio 9.1
- JBoss Developer Studio 9.0
- JBoss Developer Studio 8.0 & 8.1
- JBoss Developer Studio 7.0 & 7.1
- JBoss Developer Studio 6.0
- JBoss Developer Studio 5.0
- JBoss Developer Studio 4.1

Note for all releases of JBoss Developer Studio

- As JBoss Developer Studio is based on Eclipse, the system requirements of Eclipse also apply to JBoss Developer Studio. For example, GTK is required as the windowing system on Linux distributions, Win32 on Microsoft Windows operating systems, and Cocoa on macOS operating systems. For more information about Eclipse Kepler system requirements, see the following information sources on the Eclipse website:
  - Eclipse Neon (4.6), http://www.eclipse.org/eclipse/development/readme_eclipse_4.6.html
  - Eclipse Mars (4.5), http://www.eclipse.org/eclipse/development/readme_eclipse_4.5.html
  - Eclipse Luna (4.4), http://www.eclipse.org/eclipse/development/readme_eclipse_4.4.html
  - Eclipse Kepler (4.3), http://www.eclipse.org/eclipse/development/readme_eclipse_4.3.html
  - Eclipse Juno (4.2), http://www.eclipse.org/eclipse/development/readme_eclipse_4.2.html
  - Eclipse Indigo (3.7), http://www.eclipse.org/eclipse/development/readme_eclipse_3.7.html
  - Eclipse Helios (3.6), http://www.eclipse.org/eclipse/development/readme_eclipse_3.6.html
- The visual component of the Visual Page Editor, which depends on XULRunner, does not operate in the 64-bit version of JBoss Developer Studio on macOS and Microsoft Windows operating systems. To work around this restriction, you must install a 32-bit version of JBoss Developer Studio with a 32-bit Java Development Kit on 64-bit macOS and Microsoft Windows operating systems. This means JBoss Developer Studio can run with a 32-bit JVM but servers and other applications can still be launched with 64-bit JVMs from within JBoss Developer Studio. As of JBoss Developer Studio 8.0, the workaround is unnecessary because the HTML Preview view is used for the Visual Page Editor visual component when XULRunner is not available.
- Both Oracle JDK and OpenJDK 1.7 update 40 have a known issue when creating temporary files (see http://bugs.sun.com/bugdatabase/view_bug.do?bug_id=8025128 and https://bugs.openjdk.java.net/browse/JDK-8025128). JBoss Developer Studio 7.0.1 and later include modifications to JBoss Central to work around this issue but you may still encounter

difficulties with other IDE tools. If this is the case, use an alternative version of Java Development Kit 1.7 before or after update 40.

CHAPTER 5. JBOSS DEVELOPER STUDIO 10.3

Operating System	Chip Architecture	Java Development Kit
Red Hat Enterprise Linux 6	x86, x86_64	OpenJDK 1.6[a], OpenJDK 1.7[a], Oracle JDK 1.6[a], Oracle JDK 1.7[a], and Oracle JDK 1.8
Red Hat Enterprise Linux 7	x86_64	OpenJDK 1.7[a], OpenJDK 1.8, Oracle JDK 1.7[a], and Oracle JDK 1.8
Microsoft Windows 7, Microsoft Windows 8, and Microsoft Windows 10	x86, x86_64	OpenJDK 8[b], Oracle JDK 1.6[a], Oracle JDK 1.7[a], and Oracle JDK 1.8
macOS El Capitan (10.11), and macOS Sierra (10.12)	x86_64	Apple JDK 1.6[a], Oracle JDK 1.7[a], and Oracle JDK 1.8
Fedora 23 and 24	x86, x86_64	OpenJDK 1.7[a], OpenJDK 1.8, Oracle JDK 1.6[a], Oracle JDK 1.7[a], and Oracle JDK 1.8
Ubuntu 16.04.1 LTS and 16.10	x86, x86_64	OpenJDK 1.6[a], OpenJDK 1.7[a], Oracle JDK 1.6[a], Oracle JDK 1.7[a], and Oracle JDK 1.8

[a] Java Development Kits 1.6 and 1.7 are not supported for running JBoss Developer Studio; they are supported for application development and deployment only.

[b] OpenJDK 8 for Microsoft Windows is 64-bit only.

Note: JBoss Developer Studio 10.3 is tested on Fedora 25 but not supported on it.

CHAPTER 6. JBOSS DEVELOPER STUDIO 10.2

Operating System	Chip Architecture	Java Development Kit
Red Hat Enterprise Linux 6	x86, x86_64	OpenJDK 1.6[a], OpenJDK 1.7[a], Oracle JDK 1.6[a], Oracle JDK 1.7[a], and Oracle JDK 1.8
Red Hat Enterprise Linux 7	x86_64	OpenJDK 1.7[a], OpenJDK 1.8, Oracle JDK 1.7[a], and Oracle JDK 1.8
Microsoft Windows 7, Microsoft Windows 8, and Microsoft Windows 10	x86, x86_64	OpenJDK 8[a], Oracle JDK 1.6[a], Oracle JDK 1.7[a], and Oracle JDK 1.8
macOS El Capitan (10.11), and macOS Sierra (10.12)	x86_64	Apple JDK 1.6[a], Oracle JDK 1.7[a], and Oracle JDK 1.8
Fedora 23 and 24	x86, x86_64	OpenJDK 1.7[a], OpenJDK 1.8, Oracle JDK 1.6[a], Oracle JDK 1.7[a], and Oracle JDK 1.8
Ubuntu 14.04 LTS and Ubuntu 16.04 LTS	x86, x86_64	OpenJDK 1.6[a], OpenJDK 1.7[a], Oracle JDK 1.6[a], Oracle JDK 1.7[a], and Oracle JDK 1.8

[a] OpenJDK 8 for Microsoft Windows is 64-bit only.

CHAPTER 7. JBOSS DEVELOPER STUDIO 10.0 & 10.1

Operating System	Chip Architecture	Java Development Kit
Red Hat Enterprise Linux 6	x86, x86_64	OpenJDK 1.6[a], OpenJDK 1.7[a], Oracle JDK 1.6[a], Oracle JDK 1.7[a], and Oracle JDK 1.8
Red Hat Enterprise Linux 7	x86_64	OpenJDK 1.7[a], OpenJDK 1.8, Oracle JDK 1.7[a], and Oracle JDK 1.8
Microsoft Windows 7, Microsoft Windows 8, and Microsoft Windows 10	x86, x86_64	OpenJDK 8[a], Oracle JDK 1.6[a], Oracle JDK 1.7[a], and Oracle JDK 1.8
macOS Yosemite (10.10), and macOS El Capitan (10.11)	x86_64	Apple JDK 1.6[a], Oracle JDK 1.7[a], and Oracle JDK 1.8
Fedora 22 and 23	x86, x86_64	OpenJDK 1.7[a], OpenJDK 1.8, Oracle JDK 1.6[a], Oracle JDK 1.7[a], and Oracle JDK 1.8
Ubuntu 14.04 LTS and Ubuntu 16.04 LTS	x86, x86_64	OpenJDK 1.6[a], OpenJDK 1.7[a], Oracle JDK 1.6[a], Oracle JDK 1.7[a], and Oracle JDK 1.8

[a] OpenJDK 8 for Microsoft Windows is 64-bit only.

CHAPTER 8. JBOSS DEVELOPER STUDIO 9.1

Operating System	Chip Architecture	Java Development Kit
Red Hat Enterprise Linux 6	x86, x86_64	OpenJDK 1.6[a], OpenJDK 1.7[a], Oracle JDK 1.6[a], Oracle JDK 1.7[a], and Oracle JDK 1.8
Red Hat Enterprise Linux 7	x86_64	OpenJDK 1.7[a], OpenJDK 1.8, Oracle JDK 1.7[a], and Oracle JDK 1.8
Microsoft Windows 7, Microsoft Windows 8, and Microsoft Windows 10	x86, x86_64	OpenJDK 8, Oracle JDK 1.6[a], Oracle JDK 1.7[a], and Oracle JDK 1.8
macOS Yosemite (10.10), and macOS El Capitan (10.11)	x86_64	Apple JDK 1.6 (64-bit only)[a], Oracle JDK 1.7[a] (64-bit only), and Oracle JDK 1.8 (64-bit only)
Fedora 22 and 23	x86, x86_64	OpenJDK 1.7[a], OpenJDK 1.8, Oracle JDK 1.6[a], Oracle JDK 1.7[a], and Oracle JDK 1.8
Ubuntu 14.04.5 LTS and Ubuntu 15.10	x86, x86_64	OpenJDK 1.6[a], OpenJDK 1.7[a], Oracle JDK 1.6[a], Oracle JDK 1.7[a], and Oracle JDK 1.8

CHAPTER 9. JBOSS DEVELOPER STUDIO 9.0

Operating System	Chip Architecture	Java Development Kit
Red Hat Enterprise Linux 6	x86, x86_64	OpenJDK 1.6[a], OpenJDK 1.7[a], Oracle JDK 1.6[a], Oracle JDK 1.7[a], and Oracle JDK 1.8
Red Hat Enterprise Linux 7	x86_64	OpenJDK 1.7[a], OpenJDK 1.8, Oracle JDK 1.7[a], and Oracle JDK 1.8
Microsoft Windows 7, Microsoft Windows 8, and Microsoft Windows 10	x86, x86_64	Oracle JDK 1.6[a], Oracle JDK 1.7[a], and Oracle JDK 1.8
macOS Mavericks (10.9) and macOS Yosemite (10.10)	x86_64	Apple JDK 1.6 (64-bit only)[a], Oracle JDK 1.7[a] (64-bit only), and Oracle JDK 1.8 (64-bit only)
Fedora 21	x86, x86_64	OpenJDK 1.7[a], OpenJDK 1.8, Oracle JDK 1.6[a], Oracle JDK 1.7[a], and Oracle JDK 1.8
Ubuntu 12.04.2 LTS and Ubuntu 14.04 LTS	x86, x86_64	OpenJDK 1.6[a], OpenJDK 1.7[a], Oracle JDK 1.6[a], Oracle JDK 1.7[a], and Oracle JDK 1.8

CHAPTER 10. JBOSS DEVELOPER STUDIO 8.0 & 8.1

Operating System	Chip Architecture	Java Development Kit
Red Hat Enterprise Linux 6	x86, x86_64	OpenJDK 1.6[a], OpenJDK 1.7, Oracle JDK 1.6[a], Oracle JDK 1.7, and Oracle JDK 1.8
Red Hat Enterprise Linux 7	x86_64	OpenJDK 1.7, Oracle JDK 1.7, and Oracle JDK 1.8
Microsoft Windows XP, Microsoft Windows 7, and Microsoft Windows 8	x86, x86_64	Oracle JDK 1.6[a], Oracle JDK 1.7, and Oracle JDK 1.8
macOS Mountain Lion (10.8), macOS Mavericks (10.9), and macOS Yosemite (10.10)[a]	x86_64	Apple JDK 1.6 (64-bit only)[a], Oracle JDK 1.7 (64-bit only), and Oracle JDK 1.8 (64-bit only)
Fedora 19, Fedora 20[b], and Fedora 21[a]	x86, x86_64	OpenJDK 1.7, OpenJDK 1.8, Oracle JDK 1.6[a], Oracle JDK 1.7, and Oracle JDK 1.8
Ubuntu 12.04.2 LTS and Ubuntu 14.04 LTS	x86, x86_64	OpenJDK 1.6[a], OpenJDK 1.7, Oracle JDK 1.6[a], Oracle JDK 1.7, and Oracle JDK 1.8

[a] macOS Yosemite (10.10) and Fedora 21 are supported by JBoss Developer Studio 8.1.x only.

[b] Fedora 20 is supported for JBoss Developer Studio 8.0.x but is not supported for JBoss Developer Studio 8.1.x.

CHAPTER 11. JBOSS DEVELOPER STUDIO 7.0 & 7.1

Operating System	Chip Architecture	Java Development Kit
Red Hat Enterprise Linux 6	x86, x86_64	OpenJDK 1.6, OpenJDK 1.7, Oracle JDK 1.6, and Oracle JDK 1.7
Microsoft Windows XP	x86, x86_64	Oracle JDK 1.6
Microsoft Windows 7 and Microsoft Windows 8	x86, x86_64	Oracle JDK 1.6 and Oracle JDK 1.7
macOS Lion (10.7)[a], macOS Mountain Lion (10.8) and macOS Mavericks (10.9)[b]	x86_64	Apple JDK 1.6 and Oracle JDK 1.7 (64-bit only)
Fedora 18 and Fedora 19	x86, x86_64	OpenJDK 1.6 and OpenJDK 1.7
Ubuntu 12.04.2 LTS and Ubuntu 13.04	x86, x86_64	OpenJDK 1.6 and OpenJDK 1.7

[a] macOS Lion (10.7) is supported by JBoss Developer Studio 7.0.x and 7.1.0 only.

[b] macOS Mavericks (10.9) is supported by JBoss Developer Studio 7.1.1 only.

CHAPTER 12. JBOSS DEVELOPER STUDIO 6.0

Operating System	Chip Architecture	Java Development Kit
Red Hat Enterprise Linux 6	x86, x86_64	OpenJDK 1.6, OpenJDK 1.7, and Oracle JDK 1.7 (32-bit only)
Microsoft Windows XP	x86, x86_64	Oracle JDK 1.6
Microsoft Windows 7 and Microsoft Windows 8	x86, x86_64	Oracle JDK 1.6 and Oracle JDK 1.7
macOS Lion (10.7) and macOS Mountain Lion (10.8)	x86_64	Apple JDK 1.6 and Oracle JDK 1.7 (64-bit only)
Fedora 16	x86, x86_64	OpenJDK 1.7
Fedora 17	x86, x86_64	OpenJDK 1.6 and OpenJDK 1.7
Ubuntu 11.10	x86_64	OpenJDK 1.7 (32-bit only)
Ubuntu 12.10	x86_64	OpenJDK 1.7 (64-bit only)

CHAPTER 13. JBOSS DEVELOPER STUDIO 5.0

Operating System	Chip Architecture	Java Development Kit
Red Hat Enterprise Linux 6	x86, x86_64	OpenJDK 1.6 and Sun JDK 1.6
Microsoft Windows XP, Microsoft Windows 7, and Microsoft Windows 8	x86, x86_64	Sun JDK 1.6
macOS Lion (10.7) and macOS Mountain Lion (10.8)	x86_64	Apple JDK 1.6
Fedora 16 and Fedora 17	x86, x86_64	OpenJDK 1.6
Ubuntu 11.10, Ubuntu 12.04 LTS, and Ubuntu 12.10	x86, x86_64	OpenJDK 1.6

CHAPTER 14. JBOSS DEVELOPER STUDIO 4.1

Operating System	Chip Architecture	Java Development Kit
Red Hat Enterprise Linux 5 and Red Hat Enterprise Linux 6	x86, x86_64	OpenJDK 1.6 and Sun JDK 1.6
Microsoft Windows XP and Microsoft Windows 7	x86, x86_64	Sun JDK 1.6
macOS Leopard (10.5)	x86_64	Apple JDK 1.6
macOS Snow Leopard (10.6)	x86	Apple JDK 1.6