

# Java and ASDM

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## Java 6 updates [\[edit\]](#)

After Java 6 release, Sun released several updates which, while not changing any public API, enhanced end-user usability or fixed bugs.<sup>[30]</sup>

Release	Release Date	Highlights
Java SE 6 Update 1	2007-05-07	
Java SE 6 Update 2	2007-07-04	
Java SE 6 Update 3	2007-10-03	
Java SE 6 Update 4	2008-01-14	HotSpot VM 10
Java SE 6 Update 5	2008-03-05	
Java SE 6 Update 6	2008-04-16	
Java SE 6 Update 7 <sup>[31]</sup>		Unofficially, Java SE 6 Update 7 (1.6.0.7) is the last version of Java that was shown to be working on the Win9x family of operating systems <sup>[citation needed]</sup>
Java SE 6 Update 10 <sup>[32]</sup>	2008-10-15	HotSpot VM 11. Major changes for this update include: <ul style="list-style-type: none"> <li>• Java Deployment Toolkit, a set of JavaScript functions to ease the deployment of applets and Java Web Start applications.<sup>[33]</sup></li> <li>• Java Kernel, a small installer including only the most commonly used JRE classes. Other packages are downloaded when needed.</li> <li>• Enhanced updater.</li> <li>• Enhanced versioning and pack200 support: server-side support is no longer required.<sup>[34]</sup></li> <li>• Java Quick Starter, to improve cold start-up time.</li> <li>• Improved performance of Java2D graphics primitives on Windows, using Direct3D and hardware acceleration.</li> <li>• A new Swing look and feel called Nimbus and based on synth.<sup>[35]</sup></li> <li>• Next-Generation Java Plug-In: applets now run in a separate process and support many features of Web Start applications.<sup>[36]</sup></li> </ul>
Java SE 6 Update 11 <sup>[37]</sup>	2008-12-03	13 security fixes <sup>[38]</sup>
Java SE 6 Update 12 <sup>[39]</sup>	2008-12-12	No security fixes; 64-bit Java plug-in (for 64-bit web browsers only); Windows Server 2008 support; performance improvements of graphics and JavaFX applications
Java SE 6 Update 13 <sup>[40]</sup>	2009-03-24	7 security fixes, JNDI store and retrieve Java objects in LDAP slightly modified, JMX Change (createMBean/registerMBean), 4 new root certs added
Java SE 6 Update 14 <sup>[41]</sup>	2009-05-28	HotSpot VM 14. This release includes extensive performance updates to the JIT compiler, compressed pointers for 64-bit machines, as well as support for the G1 (Garbage First) low pause garbage collector. <sup>[42]</sup> <sup>[43]</sup>  The <b>-XX:+DoEscapeAnalysis</b> option directs the HotSpot JIT compiler to use escape analysis to determine if local objects can be allocated on the stack instead of the heap. <sup>[44]</sup>  Some developers have noticed an issue introduced in this release which causes debuggers to miss breakpoints seemingly randomly. <sup>[45]</sup> Sun has a corresponding bug, which is tracking the issue. The workaround applies to the Client and Server VMs. <sup>[46]</sup> Using the <b>-XX:+UseParallelGC</b> option will prevent the failure. Another workaround is to roll back to update 13, or to upgrade to update 16.
Java SE 6 Update 15	2009-08-04	Introduced patch-in-place functionality <sup>[47]</sup>
Java SE 6 Update 16	2009-08-11	Fixed the issue introduced in update 14 which caused debuggers to miss breakpoints <sup>[48]</sup>
Java SE 6 Update 17 <sup>[49]</sup>	2009-11-04	Security fixes; 2 new root certificates
Java SE 6 Update 18 <sup>[50]</sup>	2010-01-13	No security fixes; Hotspot VM 16; support for Ubuntu 8.04 LTS Desktop Edition, SLES 11, Windows 7, Red Hat Enterprise Linux 5.3, Firefox 3.6, VisualVM 1.2; updated Java DB; many performance improvements
Java SE 6 Update 19 <sup>[51]</sup>	2010-03-30	Security fixes; root certificate changes: seven new, three removed, five replaced with stronger signature algorithms; interim fix for TLS renegotiation attack
Java SE 6 Update 20 <sup>[52]</sup>	2010-04-15	Two security fixes
Java SE 6 Update 21 <sup>[53]</sup>	2010-07-07	No security fixes; Hotspot VM 17; support for Red Hat Enterprise Linux 5.4 and 5.5, Oracle Enterprise Linux 4.8, 5.4, 5.5; Google Chrome 4 support; support for Customized Loading Progress Indicators; VisualVM 1.2.2

Java SE 6 Update 21 <sup>[53]</sup>	2010-07-07	No security fixes; Hotspot VM 17; support for <a href="#">Red Hat Enterprise Linux 5.4 and 5.5</a> , <a href="#">Oracle Enterprise Linux 4.8, 5.4, 5.5</a> ; <a href="#">Google Chrome 4</a> support; support for Customized Loading Progress Indicators; VisualVM 1.2.2
Java SE 6 Update 22 <sup>[54]</sup>	2010-10-12	29 security fixes; <a href="#">RFC 5746</a> support
Java SE 6 Update 23 <sup>[55]</sup>	2010-12-08	No security fixes; Hotspot VM 19; better support for right-to-left languages
Java SE 6 Update 24 <sup>[56]</sup>	2011-02-15	21 security fixes; updated Java DB
Java SE 6 Update 25	2011-03-21	No security fixes; Hotspot VM 20; support for <a href="#">Internet Explorer 9</a> , <a href="#">Firefox 4</a> and <a href="#">Chrome 10</a> ; improved BigDecimal; includes "tiered" compilation in the Server VM that enables it to start quickly as does the Client VM, while achieving better peak performance (this feature is enabled by specifying <code>-server</code> and <code>-XX:+TieredCompilation</code> command options) <sup>[57]</sup>
Java SE 6 Update 26 <sup>[58]</sup>	2011-06-07	17 new security fixes <sup>[59]</sup>
Java SE 6 Update 27 <sup>[60]</sup>	2011-08-16	No security fixes; certification for <a href="#">Firefox 5</a>
Java SE 6 Update 29 <sup>[61]</sup>	2011-10-18	20 security fixes, various bug fixes <sup>[62]</sup>
Java SE 6 Update 30 <sup>[63]</sup>	2011-12-12	No security fixes; fix for SSL regression in Update 29; support for <a href="#">Red Hat Enterprise Linux 6</a>
Java SE 6 Update 31 <sup>[64]</sup>	2012-02-14	14 security fixes and one bug fix
Java SE 6 Update 32 <sup>[65]</sup>	2012-04-26	No security fixes, various bug fixes
Java SE 6 Update 33 <sup>[66]</sup>	2012-06-12	14 security fixes, improved VM configuration file loading
Java SE 6 Update 34 <sup>[67]</sup>	2012-08-14	No security fixes, various bug fixes
Java SE 6 Update 35 <sup>[68]</sup>	2012-08-30	Contains a security-in-depth fix <sup>[69]</sup>
Java SE 6 Update 37 <sup>[70]</sup>	2012-10-16	30 security fixes
Java SE 6 Update 38 <sup>[71]</sup>	2012-12-11	Various bug fixes
Java SE 6 Update 39 <sup>[72]</sup>	2013-02-01	50 security fixes
Java SE 6 Update 41 <sup>[73]</sup>	2013-02-19	5 security fixes
Java SE 6 Update 43 <sup>[74]</sup>	2013-03-04	2 security fixes
Java SE 6 Update 45 <sup>[75]</sup>	2013-04-16	Security fixes; other changes; <sup>[76]</sup> final public update <sup>[76]</sup>

Java version history - Wikipedia, the free encyclopedia

[http://en.wikipedia.org/wiki/Java\\_version\\_history](http://en.wikipedia.org/wiki/Java_version_history)

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## Java 7 updates [edit]

Oracle plans to issue updates to the Java 7 family on a quarterly basis.<sup>[citation needed]</sup>

Release	Release Date	Highlights
Java SE 7 <sup>[86]</sup>	2011-07-28	Initial release. <a href="#">HotSpot VM 21</a>
Java SE 7 Update 1 <sup>[99]</sup>	2011-10-18	20 security fixes, other bug fixes
Java SE 7 Update 2 <sup>[100]</sup>	2011-12-12	No security fixes; HotSpot VM 22; reliability and performance improvements; support for <a href="#">Solaris 11</a> and <a href="#">Firefox 5</a> and later; <a href="#">JavaFX</a> included with Java SE JDK, improvements for web-deployed applications
Java SE 7 Update 3 <sup>[101]</sup>	2012-02-14	14 security fixes <sup>[102]</sup>
Java SE 7 Update 4 <sup>[103]</sup>	2012-04-26	No security updates; HotSpot VM 23; JDK Support for <a href="#">Mac OS X</a>
Java SE 7 Update 5 <sup>[104]</sup>	2012-06-12	14 security fixes <sup>[105]</sup>
Java SE 7 Update 6 <sup>[106]</sup>	2012-08-14	<a href="#">JavaFX</a> and <a href="#">Java Access Bridge</a> included in Java SE JDK and JRE installation, <a href="#">JavaFX</a> support for touch-enabled monitors and touch pads, <a href="#">JavaFX</a> support for <a href="#">Linux</a> , <a href="#">JDK</a> and <a href="#">JRE</a> Support for <a href="#">Mac OS X</a> , <a href="#">JDK</a> for <a href="#">Linux</a> on <a href="#">ARM</a> <sup>[107]</sup>
Java SE 7 Update 7 <sup>[108]</sup>	2012-08-30	4 security fixes <sup>[68]</sup>
Java SE 7 Update 9 <sup>[109]</sup>	2012-10-16	30 security vulnerabilities fixes <sup>[110]</sup>
Java SE 7 Update 10 <sup>[111]</sup>	2012-12-11	New security features, such as the ability to disable any Java application from running in the browser and new dialogs to warn you when the JRE is insecure, and bug fixes
Java SE 7 Update 11 <sup>[112]</sup>	2013-01-13	<a href="#">Olson Data 2012i</a> , bugfix for problems with registration of plugin on systems with Stand-alone version of <a href="#">JavaFX</a> Installed, security fixes for <a href="#">CVE-2013-0422</a> ; <sup>[113]</sup> the default security level for Java applets and web start applications has been increased from "Medium" to "High"
Java SE 7 Update 13 <sup>[114]</sup>	2013-02-01	50 security fixes
Java SE 7 Update 15 <sup>[115]</sup>	2013-02-19	5 security fixes

Java SE 7 Update 13 <sup>[114]</sup>	2013-02-01	50 security fixes
Java SE 7 Update 15 <sup>[115]</sup>	2013-02-19	5 security fixes
Java SE 7 Update 17 <sup>[116]</sup>	2013-03-04	2 security fixes
Java SE 7 Update 21 <sup>[117]</sup>	2013-04-16	Multiple changes including security fixes, a new Server JRE that doesn't include the plug-in, and the JDK for Linux on ARM

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[http://en.wikipedia.org/wiki/Java\\_version\\_history](http://en.wikipedia.org/wiki/Java_version_history)

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#### ASA Series

[Release Notes for Cisco ASDM, 7.1\(x\)](#)  
13/May/2013

[Release Notes for Cisco ASDM, 7.0\(x\)](#)  
13/Dec/2012

[Release Notes for Cisco ASDM, 6.7\(x\) for ASA 1000V](#)  
09/Jan/2012

[Release Notes for Cisco ASDM, 6.8\(x\)](#)  
13/May/2013

[Release Notes for Cisco ASDM, 6.4\(x\)](#)  
24/Jul/2012

[Release Notes for Cisco ASDM, 6.3\(x\)](#)  
04/Sep/2010

[Release Notes for Cisco ASDM, 6.2\(x\)](#)  
11/Jan/2010

#### ASA 5500 and PIX 500 Series

[Cisco ASDM Release Notes Version 6.1\(5\)](#)  
18/Dec/2008

[Cisco ASDM Release Notes, Version 6.1\(3\)](#)  
12/Aug/2008

[Cisco ASDM Release Notes, Version 6.1\(1\)](#)  
05/Mar/2008

[Cisco ASDM Release Notes, Version 6.0\(3\)](#)  
16/May/2008

[Cisco ASDM Release Notes, Version 6.0\(2\)](#)  
16/May/2008

[Release Notes for Cisco ASDM Version 5.2\(5\)](#)  
12/May/2010

[Cisco ASDM Release Notes, Version 5.2\(4\)](#)  
09/Apr/2008

[Cisco ASDM Release Notes Version 5.2\(3\)](#)  
10/Sep/2007

[Cisco ASDM Release Notes Version 5.2\(2\)](#)  
10/Sep/2007

[Cisco ASDM Release Notes Version 5.2\(1\)](#)  
10/Sep/2007

[Cisco ASDM Release Notes Version 5.1\(2\)](#)  
10/Sep/2007

[Cisco ASDM Release Notes Version 5.1\(1\)](#)  
10/Sep/2007

[Cisco ASDM Release Notes Version 5.0\(9\)](#)  
28/Aug/2009

[Cisco ASDM Release Notes, Version 5.0\(8\)](#)  
27/May/2008

[Cisco ASDM Release Notes Version 5.0\(7\)](#)  
10/Sep/2007

[Cisco ASDM Release Notes Version 5.0\(6\)](#)  
10/Sep/2007

[Cisco ASDM Release Notes Version 5.0\(5\)](#)  
10/Sep/2007

[Cisco ASDM Release Notes Version 5.0\(4\)](#)  
10/Sep/2007

[Cisco ASDM Release Notes Version 5.0\(2\)](#)  
10/Sep/2007

[Cisco ASDM Release Notes Version 5.0\(1\)](#)  
10/Sep/2007

#### Firewall Services Module (FWSM)

[Release Notes for Cisco ASDM, Version 6.2\(x\)F for FWSM](#)  
16/Mar/2010

[Release Notes for Cisco ASDM, Version 6.1\(x\)F for FWSM](#)  
08/Jun/2009

[Cisco ASDM Release Notes Version 5.2\(4\)F](#)

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16/Mar/2010

[Release Notes for Cisco ASDM, Version 6.1\(x\)F for FWSM](#)

08/Jun/2009

[Cisco ASDM Release Notes Version 5.2\(4\)F](#)

04/Jan/2008

[Cisco ASDM Release Notes Version 5.0\(3\)F](#)

10/Sep/2007

[Cisco ASDM Release Notes Version 5.0\(2\)F](#)

10/Sep/2007

[Cisco ASDM Release Notes Version 5.0\(1\)F](#)

10/Sep/2007

Cisco Adaptive Security Device Manager Release Notes - Cisco Systems

[http://www.cisco.com/en/US/products/ps6121/prod\\_release\\_notes\\_list.html](http://www.cisco.com/en/US/products/ps6121/prod_release_notes_list.html)

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