



Liberica JDK 6 & 7 — Live and secure on your server or desktop

BellSoft, like every vendor, recommends updating frequently, but we get it, it is not easy to make changes to the whole enterprise infrastructure. If upgrading to Java™ 8 or higher is out of the question, we suggest moving to [Liberica JDK](#), the runtime with the most secure OpenJDK 6 and 7. Our engineers have been contributing to the OpenJDK development for many years, with vast experience in finding and fixing the vulnerabilities in many versions of Java™. Now their goal is to keep your runtime safe and secure, no matter what version you utilize!


This document outlines the [support](#) BellSoft provides to its enterprise customers for Liberica JDK 6 & 7 versions via BellSoft Support portal.



**Extended support
timeline**



**Regular security
updates**



**Communication with
OpenJDK contributors
and security experts
without the middle-man**



**The variety
of supported
configurations**

Support timeline

Oracle ended the commercial support of JDK 6 in 2018, and JDK 7 support will stop in less than a year. Liberica JDK 6 & 7 releases support exceeds that of Oracle JDK 6 & 7 and will [continue until 2026](#).

Release	Oracle JDK GA date	End of Oracle Public Updates	End of commercial Support	
			Oracle Java SE	Liberica JDK
JDK 6	Dec 2006	Apr 2013	Dec 2018	Mar 2026
JDK 7	Jul 2011	Apr 2015	Jul 2022	Mar 2026

Note that JDK 6 & 7 are in maintenance mode, and it is advised to consider upgrading JDK versions to at least JDK 8 to ensure continued support after that date.

Security updates

New vulnerabilities are constantly discovered and made public, raising the threat of breaches and exploit attacks. The only reliable way to prevent this is by receiving timely updates to your software and implementing the latest security technologies. Oracle's decision to discontinue the commercial support for Java 6 and 7 makes these runtimes especially vulnerable, as their weaknesses are well-known and easily exploited.

We fix this by providing Liberica JDK 6 & 7 with all relevant CPU security vulnerability updates developed within the OpenJDK Vulnerability Group [1], of which BellSoft is a keen contributor. The CPU releases for 6 & 7 are made



available quarterly, simultaneously with the releases for other Liberica versions. Zero-day vulnerabilities are handled through emergency releases. Thus your runtime stays as secure as possible and is taken care of the same way we treat newer Java versions.

Compatibility

JDK 6 & 7, released in 2006 (JSR 270 [2]) and 2011 (JSR 336 [3]) respectively, are, effectively, in maintenance mode, and the JCP executive committee [4] (which BellSoft is part of) has ratified the last maintenance update in 2015 for both the specification and TCK.

BellSoft ensures compatibility and absence of regressions for Liberica JDK 6 & 7 updates with the test suites available to BellSoft within the Java/OpenJDK ecosystem and through source code compatibility. Liberica JDK is based on the OpenJDK source code project, allowing BellSoft to collaborate with the rest of the OpenJDK ecosystem.

With a frozen specification for JDK 6 & 7, the primary source of incompatibility becomes not JDK 6 & 7 themselves, but the lack of mandatory updates to cryptographic algorithms and disablement of specific [cryptographic algorithms](#) in software, which JDK 6 & 7 implementations interact with. According to JSR 270 JDK 6 can support only TLS 1.0 and 1.1, and JDK 7 can support TLS 1.0, 1.1, and 1.2. With TLS 1.0 and 1.1 disabled by default in JDK and most third-party software updates, JDK 6 is recommended to be operated only in a sandboxed environment where TLS 1.0 and 1.1 use can be justified. Alternatively, you can use a third-party library like Bouncy Castle [5] to add TLS 1.2 and 1.3 support. Depending on your unique circumstances, we will advise and help with setting up your runtime and workflow to make your working environment safer and allow the implementation of secure automation solutions.

Scope of support — how we keep your runtimes safe

BellSoft is committed to the following activities for enterprise customers requiring 6 & 7 support:



We release quarterly [security updates](#) for 6 & 7 releases. All relevant vulnerability fixes are made available on par with other Liberica JDK releases



We fix the functional regressions and other issues affecting the continued operation of customer business applications



Cryptography maintenance is kept in accordance with the OpenJDK cryptographic roadmap



Our support team available 24/7/356 is there to respond to any runtime security incident promptly



IANA timezone data is kept up-to-date



We continue supporting Java Web Start in the Commercial Bundle with OpenWebStart from Karakun



Root certificates (cacerts) are updated

Note: in exceptional cases, a Liberica JDK fix or update may require an update or reconfiguration of the underlying OS to ensure continued operation of Liberica JDK.

Supported Platforms

BellSoft Liberica JDK 6 & 7 are provided as MSI, ZIP, DEB, RPM and TAR.GZ packages supported on the following platforms*:

Platform	Liberica JDK 6	Liberica JDK 7
Linux x86_64 (64 bit), Linux x86 (32 bit)	Ubuntu Linux	Ubuntu Linux
	12.04 (LTS) 14.04 (LTS) 15.04, 15.10 16.04 (LTS), 16.10 17.04, 17.10 18.04 (LTS), 18.10 19.04, 19.10 20.04 (LTS), 20.10 21.04	12.04 (LTS) 14.04 (LTS) 15.04, 15.10 16.04 (LTS), 16.10 17.04, 17.10 18.04 (LTS), 18.10 19.04, 19.10 20.04 (LTS), 20.10 21.04
	Debian Linux	Debian Linux
	8.x 9.x 10.x	8.x 9.x 10.x
	RHEL, CentOS, Oracle Linux	RHEL, CentOS, Oracle Linux
	5.5+ 6.x 7.x 8.x	5.5+ 6.x 7.x 8.x
	Amazon Linux	Amazon Linux
	Versions 1, 2	Versions 1, 2
	SLES	SLES
	11 SP2 11 SP3 12 SP1 12 SP2 12 SP3 12 SP4 12 SP5 15 15 SP1 15 SP2	11 SP2 11 SP3 12 SP1 12 SP2 12 SP3 12 SP4 12 SP5 15 15 SP1 15 SP2
Windows x86_64 (64 bit), Windows x86 (32 bit)	Windows Server 2019	Windows Server 2019
	Windows Server 2016 Windows Server 2012 R2 Windows Server 2012 Windows Server 2008 R2 Windows Server 2003** Windows 10 Windows 11 Windows 8 Windows 7 SP1+ Windows XP SP3**	Windows Server 2016 Windows Server 2012 R2 Windows Server 2012 Windows Server 2008 R2 Windows Server 2003** Windows 10 Windows 11 Windows 8 Windows 7 SP1+ Windows XP SP3**

*Certification on other OSes is available on request.

**BellSoft provides special builds of Liberica JDK 6 & 7 capable of running on Windows Server 2003 and Windows XP.

The following virtual environments are supported:



Licensing

Liberica JDK is made available under the GPLv2 with ClassPath Exception license [6], which permits running commercial and open source applications and does not impose any restrictions on the field of use or time limitations.

References

- 1 <https://openjdk.java.net/groups/vulnerability/>
- 2 <https://www.jcp.org/en/jsr/detail?id=270>
- 3 <https://www.jcp.org/en/jsr/detail?id=336>
- 4 <https://jcp.org/en/participation/committee>
- 5 <https://www.bouncycastle.org/>
- 6 <https://openjdk.java.net/legal/gplv2+ce.html>



Still wondering which JDK distribution you should use? Consult with a Java professional to get expert advice

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