

Hinweise zu Java 8, Oracle und OpenJDK

Allgemeine Information

Seit Februar 2019 stellt Oracle keine kostenfreien Updates für die Java-Version 8 mehr zur Verfügung. Java 8 ist jedoch Voraussetzung, um das GlobalTaxCenter (GTC) ausführen zu können. Das hat folgende Auswirkungen:

- Sollte aufgrund von Compliance-Vorgaben oder interner IT-Policies eine offizielle Wartungsvereinbarung notwendig sein, können bei Oracle und anderen Anbietern (z.B. Azul Zulu, Red Hat) kommerzielle Java-8-Versionen mit langfristigen Support-Zusagen (Long Time Support = LTS) gekauft werden.
- Sollte eine solche offizielle Wartungsvereinbarung nicht notwendig sein, kann das GTC mit einem kostenfreien OpenJDK 8, welches bei diversen Anbietern heruntergeladen werden kann, verwendet werden.

Unabhängig davon, für welche der oben genannten Alternativen und für welchen Anbieter sich entschieden wird, gilt weiterhin, dass auf alle Fälle **Java 8** verwendet werden muss. Für höhere Java-Versionen ist das GTC zur Zeit nicht freigegeben. Sofern auf aktuelle Security Patches nicht verzichtet werden soll, sollten somit LTS-JDKs bevorzugt werden.

AMANA testet das GTC mit dem OracleJDK 8 und dem AdoptOpenJDK 8.

OpenJDK-Alternativen

AdoptOpenJDK: <https://adoptopenjdk.net/>

“AdoptOpenJDK is a community of Java user group members, Java developers and vendors who are advocates of OpenJDK, the open source project which forms the basis of the Java programming language and platform.“

Platinum sponsor (amongst others): IBM

Two JVM versions: HotSpot (Oracle) and OpenJ9 (IBM, Eclipse)

	First Availability	End of Availability [1]
Java 8 (LTS)	March 2014	At Least Sep 2023 [2]
Java 9	Sept 2017	March 2018
Java 10	March 2018	Sept 2018
Java 11 (LTS)	Sept 2018	At Least Sept 2022 [2]

Notes:

[1] As a general philosophy, AdoptOpenJDK will continue to build binaries for LTS releases as long as the corresponding upstream source is actively maintained.

[2] We fully expect that OpenJDK8 will have open community maintainers beyond January 2019, so we expect to be able to continue supporting JDK8 beyond that date. Until maintainers have been established we are unable to make a definitive statement. This position is the same for JDK11 and all future "LTS" releases. The [Eclipse OpenJ9 Support Document](#) covers extra support info for that VM.

Amazon Corretto: <https://aws.amazon.com/de/corretto/>

“Amazon Corretto is a no-cost, multiplatform, production-ready distribution of the Open Java Development Kit (OpenJDK). Corretto comes with long-term support that will include performance enhancements and security fixes. Corretto is certified as compatible with the Java SE standard and is used internally at Amazon for many production services. With Corretto, you can develop and run Java applications on operating systems such as Amazon Linux 2, Windows, and macOS.“ “LTS [long-term support] includes Amazon’s commitment to provide performance enhancements and security updates at no cost until at least the specified date for the relevant release version (e.g., June 2023 for Corretto 8). Updates are planned to be released quarterly. Amazon also plans to apply urgent fixes (including security) outside of the regular quarterly cycle when they are available and ready to use.“

Red Hat: <https://developers.redhat.com/products/openjdk/overview/>

“At Red Hat, we intend to provide support for OpenJDK 8 to our customers until 2023, and our policy of always ‘upstream first’ implies that OpenJDK 8 will continue to be updated for critical bugs and security fixes until then. Something similar will happen for JDK 11.“