

Java support

After the end of the free support of the Java platform by Oracle, much uncertainty has arisen as to whether and how Java can continue to be used.

In this context, the **OpenJDK** should first be mentioned. Since version 7, *OpenJDK* is the free, open source and official reference implementation of the *Java platform, Standard Edition, Java SE* for short. All major vendors of Java runtime environments (JRE → *Java Runtime Environment*) or Java development kits (JDK → *Java Development Kit*) use *OpenJDK* as the basis for their implementations and distributions. Differences are, for example, that certain optimizations have been made or parts have been replaced or that different license conditions apply.

Also the JDK of Oracle (*Oracle JDK*) is based on the source code of *OpenJDK*. However, in addition, it contains components that are not available as *open source* (*closed source* components). For the distributions, a commercial license is required since 2019 for use in enterprises.

Due to the free availability of *Java SE* via *OpenJDK*, other vendors can make their Java distributions (JREs and JDKs) available in the usual way and with unchanged license conditions.

For the use of Business-Logics software, the *Oracle JDK* is not necessary. The following list provides an overview of common Java implementations¹ that are compatible with Business-Logics products:

- AdoptOpenJDK: <https://adoptopenjdk.net>
- Amazon Corretto: <https://aws.amazon.com/corretto>
- Azul: <https://www.azul.com>
- IBM: <https://www.ibm.com/developerworks/java/jdk>
- Liberica: <https://bell-sw.com/java.html>
- Mercurial: <https://hg.openjdk.java.net>
- Oracle: <http://jdk.java.net>
- RedHat: <https://developers.redhat.com/products/openjdk/overview>
- SapMachine: <https://sap.github.io/SapMachine>

Provider	Free source code builds	Free binary distributions	Extended updates ²	Commercial support
AdoptOpenJDK	Yes	Yes	Yes	No
Amazon Corretto ³	Yes	Yes	Yes	No
Azul	No	Yes	Yes	Yes
IBM	No	No	Yes	Yes
Liberica	Yes	Yes	Yes	Yes
Mercurial	Yes	Yes	No	No
Oracle	No	Yes	No	Yes
RedHat	Yes	Yes	Yes	Yes
SapMachine	Yes	Yes	Yes	Yes

¹The list of Java implementations is taken for the most part from [an article by Stack Overflow from September 2018](#) (listing may be incomplete).

²Extended updates: Public updates beyond the 6-month release lifecycle.

³For Business-Logics products with setup program, *Amazon Corretto* is currently being installed if there is no compatible Java installation on the target computer (current as of February 2019).