Make the Move from Oracle Java to Supported OpenJDK

Oracle License Changes

The new licensing requirements for Oracle Java SE subscriptions have prompted many application development teams to reevaluate their options.

Many teams are following analysts' advice and adopting OpenJDK with supported and certified builds from other vendors.

OpenLogic can help organizations make the move from Oracle Java to a supported OpenJDK model with the following:

- Free, certified and supported builds of OpenJDK available at openlogic.com/openjdk-downloads.
- Enterprise support for any Java, including builds from other vendors.
- Migration services to help you move seamlessly from Oracle to OpenJDK.

Achieve Cost-Savings with Supported OpenJDK

Based on the price of an Oracle Java SE subscription, which includes licensing and support, we've put together a conservative estimate of the annual cost savings you can expect when migrating to

Number of Core Users	Number of Servers	Cost of Oracle Java SE Annual Subscription	Cost of OpenJDK Annual Subscription	OpenLogic Support
512	32	$92,160	$0	$30,880
992	62	$179,280	$0	$56,080

COST COMPARISON OF ORACLE JAVA VERSUS OPENJDK WITH OPENLOGIC SUPPORT

the free OpenJDK license with OpenLogic support. Whether you have a small or large core user base, the savings are substantial.

The above comparison assumes the following:

- Most servers have dual, octa-core CPUs for a total of 16 cores.
- The average user is in the 500 – 999 core tier priced at $20/core/month (based on most recent Oracle Java SE Subscription Global Price List).
- The average customer has negotiated a 25% discount from Oracle.

Java Support from OpenLogic

OpenLogic offers commercial support for all Java distributions, including Adopt OpenJDK, IBM, and Oracle's Java.

Java support from OpenLogic includes security patches and bug fixes, in addition to guidance for the usage and administration of Java and the JVM. Our support benefits include:

- Rapid migration services from Oracle Java to OpenJDK.
- Guaranteed service level agreements (SLAs) with all support contracts.
- Lower-cost service than vendor-specific providers.
- Direct access to Tier 3/4 open source architects and developers.

In addition to OpenJDK, OpenLogic offers commercial support for over 400 other open source packages and common Java stack elements including Spring, ActiveMQ, Tomcat, Wildfly, Kafka, Apache Camel and CentOS.

Make Migration Effortless with OpenLogic

The OpenLogic team has tackled a variety of open source migrations over the years. Our team of Java experts can ensure your migration from Oracle Java to OpenJDK is as seamless as possible by helping you:

BEFORE MIGRATION

- Leverage a continuous integration environment (such as Jenkins) to build code and run unit and integration tests against OpenJDK.
- Get a list of dependencies using a build tool, such as Maven, Gradle, or Ant, and then perform an inventory analysis to determine any APIs that may be at risk of breaking.

DURING MIGRATION

- Performance test your application running on OpenJDK. Thorough performance tests that hit all functions in their application are critical for ensuring an error-free migration.
- Make sure that performance test scripts are updated when pushing new code.
- Test any sort of OS integration thoroughly. For example, are you making calls to specific operating systems like Windows or using any private APIs?
- Be aware that there can be quirks with the memory management algorithm used between OpenJDK and Oracle JDK. However, this is rare, and performance testing should reveal any issues.

ABOUT OPENLOGIC

OpenLogic provides enterprise-level support and services for organizations using open source software as part of their infrastructure and application stacks. OpenLogic's team of experienced enterprise architects delivers commercial SLAs for critical open source packages including key enterprise components and platforms such as CentOS, OpenJDK, Jenkins CI, Apache, Docker, and Kubernetes. For more information, visit www.openlogic.com.