# **How to Install Oracle Java in Oracle Cloud Infrastructure**

Oracle Java Support and Updates Included in Oracle Cloud Infrastructure

We recently announced that Oracle Java, Oracle’s widely adopted and proven Java Development Kit, is now [included with Oracle Cloud Infrastructure subscriptions at no extra cost](https://blogs.oracle.com/developers/support-for-oracle-java-se-now-included-with-oracle-cloud-infrastructure).

In this blog post I show how to install Oracle Java on Oracle Linux running in an OCI compute shape by using RPMs available yum servers available within OCI.

Installing Oracle Java

The Oracle Java RPMs are in the ol7\_oci\_included repository on Oracle Linux yum server accessible from within OCI.

To enable this repository:

|  |  |
| --- | --- |
| 1 | $ sudo yum install -y --enablerepo=ol7\_ociyum\_config oci-included-release-el7 |

As of this writing, the repository containst Oracle Java 8, 11 and 12.

|  |  |
| --- | --- |
| 1  2  3  4  5  6 | $ yum list jdk\*  Loaded plugins: langpacks, ulninfo  Available Packages  jdk-11.0.3.x86\_64 2000:11.0.3-ga       ol7\_oci\_included  jdk-12.0.1.x86\_64 2000:12.0.1-ga       ol7\_oci\_included  jdk1.8.x86\_64     2000:1.8.0\_211-fcs   ol7\_oci\_included |

To install Oracle Java 12, version 12.0.1:

|  |  |
| --- | --- |
| 1 | $ sudo yum install jdk-12.0.1 |

To confirm the Java version:

|  |  |
| --- | --- |
| 1  2  3  4 | $ java -version  java version "12.0.1" 2019-04-16  Java(TM) SE Runtime Environment (build 12.0.1+12)  Java HotSpot(TM) 64-Bit Server VM (build 12.0.1+12, mixed mode, sharing) |

Multiple JDK versions and setting the default

If you install multiple version of the JDK, you may want to set the default version using alternatives. For example, let’s first install Oracle Java 8:

|  |  |
| --- | --- |
| 1 | $ sudo yum install -y jdk1.8 |

The alternatives command shows that two programs provide java:

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8 | $ sudo alternatives --config java    There are 2 programs which provide 'java'.      Selection    Command  -----------------------------------------------  \*+ 1           /usr/java/jdk-12.0.1/bin/java     2           /usr/java/jdk1.8.0\_211-amd64/jre/bin/java |

Choosing selection 2 sets the default to JDK 1.8 (Oracle Java 8):

|  |  |
| --- | --- |
| 1  2  3  4 | $ java -version  java version "1.8.0\_211"  Java(TM) SE Runtime Environment (build 1.8.0\_211-b12)  Java HotSpot(TM) 64-Bit Server VM (build 25.211-b12, mixed mode) |

Conclusion

Oracle Cloud Infrastructure includes Oracle Java —with support and updates— at no additional cost. By providing Oracle Java RPMs in OCI’s yum servers, installation is greatly simplified.