

Installing different Java JRE on Linux

It you need to install a newer/alternative/multiple version(s) of the Java Runtime Environment on a RHEL Server, read the following guide. It will enable you to switch between multiple installed JRE's. This can be useful for development / pre-prod servers, where prod is running a different version.

If you have a requirement to run multiple JREs on a single RHEL server, then use the "alternatives" package to facilitate switching between them via a convenient menu system. Notes on configuring alternatives are at the end of this post.

CHECK PROD JRE VER

```
[matt@CyberfellaProdSvr ~]$ java -version
java version "1.7.0_67"
Java(TM) SE Runtime Environment (build 1.7.0_67-b01)
Java HotSpot(TM) 64-Bit Server VM (build 24.65-b04, mixed mode)
```

CHECK PRE-PROD JRE VER

```
[matt@CyberfellaPreSvr JRE 1.7.65]$ java -version
java version "1.6.0_34"
OpenJDK Runtime Environment (IcedTea6 1.13.6)
(rhel-1.13.6.1.el6_6-x86_64)
OpenJDK 64-Bit Server VM (build 23.25-b01, mixed mode)
```

CHECK EXISTING JRE(s) INSTALLED

```
rpm -qa | sort | grep ^j
java-1.5.0-gcj-1.5.0.0-29.1.el6.x86_64
java-1.6.0-openjdk-1.6.0.34-1.13.6.1.el6_6.x86_64
java-1.6.0-openjdk-devel-1.6.0.34-1.13.6.1.el6_6.x86_64
```

DOWNLOAD JRE VERSION

The latest version of JRE (Java Runtime Environment) is easy to [find](#). The [older ones](#), not so much. You'll need an Oracle Support Account. Don't panic, it's free to [set up](#).

WINSCP JRE TO LINUX SERVER

Install WinSCP on Windows. It will prompt to import all your PuTTY Sessions! How Convenient! I love stuff that saves time. Using WinSCP on Windows, SCP JRE 1.7.67 to the server.

INSTALL/UPGRADE JRE 1.7.67

```
rpm -Uvh jre-7u67-linux-x64.rpm
```

ADDING JAVA to ALTERNATIVES

View current selection of different JREs in *alternatives*

```
alternatives -config java
```

Add new version after installing rpm

```
alternatives -install <exe path> <binary> <install path>  
<selection>
```

```
alternatives -install /usr/bin/java java  
/usr/java/jre1.7.0_67/bin/java 3
```

Switch to new version

```
update-alternatives -config java
```

or just "alternatives -config java" seems to do the same thing.

Show current JRE

```
java -version
```