

# Install Java 8 for use with ESET Security Management Center 7 Web Console

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## Solution

You must have Java 8 installed for ESET Security Management Center 7 Web Console to function properly. Visit <https://java.com/en/download/help/sysreq.xml> to verify that Java 8 is compatible with your operating system.

## Install Java 8 on Windows

1. Download the Java 8 installer from the [Java website](#).
2. Run the downloaded Java installer.

## Install Java 8 on Debian

1. Open a new Terminal window.
2. Switch to the root user:  

```
sudo su
```
3. Enter the root password.
4. Install the default-jre package:  

```
apt-get install default-jre
```
5. Install the default-jdk package:  

```
apt-get install default-jdk
```
6. Install the software-properties-common package:  

```
apt-get install software-properties-common
```
7. Add the Ubuntu Xenial repository:  

```
add-apt-repository "deb http://ppa.launchpad.net/webupd8team/java/ubuntu xenial main"
```
8. Update the list of packages available from the repositories:  

```
apt-get update
```
9. Install the oracle-java8-installer package:  

```
apt-get install oracle-java8-installer
```
10. Verify that Java 8 is installed:  

```
dpkg -l oracle-java8-installer
```

## Configure Tomcat 8 to use Java 8 on Debian

Make sure that you are logged in as root.

1. Verify that the tomcat8 package is installed:

```
dpkg -l tomcat8
```

If the tomcat8 package is not installed, install it:

```
apt-get install tomcat8
```

2. Open the tomcat8 configuration file in a text editor:

```
nano /etc/default/tomcat8
```

3. Set Java 8 as the default for Tomcat. Edit the following line:

Original line:

```
#JAVA_HOME=/usr/lib/jvm/java-8-openjdk
```

Edited line:

```
JAVA_HOME=/usr/lib/jvm/java-8-oracle
```

1. If you are working in an enterprise environment, increase the memory size for Java to 2048 MB by editing the following line:

Original line:

```
JAVA_OPTS="-Xms512M -Xmx1024M"
```

Edited line:

```
JAVA_OPTS="-Xms512M -Xmx2048M"
```

1. Save your changes to the tomcat8 file.

2. Restart the tomcat8 service:

```
service tomcat8 restart
```

## Upgrade Java when upgrading from ERA Virtual Appliance 6.3 to ESMC Virtual Appliance 7

When upgrading from ERA 6.3 VA to ESMC 7 Virtual Appliance, you need to update both Java and Tomcat.

### Virtual Appliance Upgrade Recommendation:

The recommended way to upgrade the Virtual Appliance is to pull the database to a new appliance, to keep your OS up to date.

Log in the ERA VA virtual machine terminal as root and proceed according to steps below.

1. Update your repository:

```
yum makecache
```

2. Install Java OpenJDK package with its dependencies

```
yum install java-1.8.0-openjdk.x86_64
```

3. Upgrade Tomcat to the latest version:

```
yum install tomcat6
```

4. You can continue in upgrade to ESMC 7.