

# Memory settings

The following sample sets

- PermGen space is set to 256 MB
- Minimum application memory is 512 MB
- Maximum application memory is 1 GB

Max total memory in this setup is 1280 MB which will work just fine in most cases

```
-Xmx512m -Xms1024m -XX:MaxPermSize=256m
```

In very memory constrained environments (server <= 1GB) use the following settings, with a max use of 512 mB

```
-Xmx384m -Xms384m -XX:PermSize=128m -XX:MaxPermSize=128m
```

- Tomcat6
- Tomcat7
- Tomcat8
- JBoss 7.x

# Tomcat6

## Windows

The service can be changed by

- Open prompt as **Administrator**
- Run the following commands

```
cd "C:\Program Files\Apache Software Foundation\Tomcat 6.0\bin"
Tomcat6w.exe //ES//tomcat6
```

- Klik "Java" page
- Set the values
  - Initial memory pool (aka "Xms"): 512m
  - Maximum memory pool (aka "Xmx"): 1024m
  - Add an extra line to Java Options

```
-XX:MaxPermSize=256m
```

- Klik OK

## Linux

Find **catalina.sh** in something like: **/usr/share/tomcat6/bin**

Assign following line to JAVA\_OPTS variable and add it into catalina.sh file.

```
JAVA_OPTS="-Djava.awt.headless=true -server -Xmx512m -Xms1024m -XX:MaxPermSize=256m"
```

# Tomcat7

## Windows

As Tomcat 6 except for step 2

```
cd "C:\Program Files\Apache Software Foundation\Tomcat 7.0\bin"
Tomcat7w.exe //ES//tomcat7
```

See the visual guide here

<http://plavc.wordpress.com/2012/02/08/tomcat-service-on-windows/>

## Linux

```
sudo nano /etc/tomcat7/tomcat7.conf
```

# Tomcat8

## Windows

As Tomcat 7 except for step 2

```
cd "C:\Program Files\Apache Software Foundation\Tomcat 8.5\bin"
Tomcat8w.exe //ES//tomcat8
```

# JBoss 7.x

## Windows

1. Edit [JBoss home]\bin\standalone.conf.bat
2. Ensure the following value is present

```
set "JAVA_OPTS= -Xmx512m -Xms1024m -XX:MaxPermSize=256m"
```