

# JOnAS OpenSource Java EE Application Server - Doc - BuildingJOnAS5

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## Subversion

Anonymous access:

```
svn checkout svn://svn.forge.objectweb.org/svnroot/jonas/jonas/trunk jonas
```

Developer access:

```
svn checkout svn+ssh://svn.forge.objectweb.org/svnroot/jonas/jonas/trunk jonas
```

```
A jonas/README.J2EE A jonas/.project A jonas/src A jonas/src/.classpath A jonas/src/.project A
jonas/src/conf A jonas/src/conf/java.policy A jonas/src/conf/PostgreSQL.properties A
jonas/src/conf/Oracle11.properties A jonas/src/conf/jaas.config A jonas/src/conf/HSQl1.properties
A jonas/src/conf/context.xml A jonas/src/conf/clusterd.xml A
jonas/src/conf/traceclient.properties ...
```

Environment setup

- Subversion client (eclipse subclipse or subversive, tortoise SVN, ...)
- Maven >= 2.1.0 (<http://maven.apache.org>)

## Update Maven settings.xml

Internet Proxies

This section is useful when the developer is behind a proxy (Squid, ...).

Add a *proxies* section:

```
<proxies> <proxy> <active>true</active> <protocol>http</protocol> <host>PROXY_HOST</host>
<port>PROXY_PORT</port> <nonProxyHosts>localhost|OTHER_HOSTS</nonProxyHosts> </proxy> </proxies>
```

Notice that you can declare proxies for https repositories by changing *protocol* to **https**. Maven tips For windows

This is for windows users: Your maven2 repository has to be in a directory without any space. This is a bug that may comes from the JSP compiler maven plugin.

You can move your **C:/Documents and Settings/User/.m2/repository** in **C:/m2** for example. You have to make the follow change in your **C:/Documents and Settings/User/settings.xml** to give to maven the repository location:

```
<settings> [ . . . ] <localRepository>YOUR NEW REPOSITORY LCOATION</localRepository> </settings>
```

When OutOfMemory occurs

Set the following line in your environment:

```
export MAVEN_OPTS="-Xms256m -Xmx512m"
```

Repositories Proxies

This section is useful for developers that can access maven repositories acting like a cache to central

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maven2 repositories (central, ...).

This configuration is suited for a [maven archiva](#) or proximity repository.

Remember to change the URLs according to your local proxy configuration.

```
<profiles> <profile> <id>Repository Proxy</id> <activation>
<activeByDefault>true</activeByDefault> </activation> <repositories> <repository>
<id>local-proxy</id>
<url>http://mururoa.frec.bull.fr:12000/px-webapp.war/repository/public</url> <releases>
<enabled>true</enabled> </releases> <snapshots> <enabled>true</enabled> </snapshots>
</repository> </repositories> <pluginRepositories> <pluginRepository>
<id>local-plugins-proxy</id>
<url>http://mururoa.frec.bull.fr:12000/px-webapp.war/repository/public</url> <releases>
<enabled>true</enabled> </releases> <snapshots> <enabled>true</enabled> </snapshots>
</pluginRepository> </pluginRepositories> </profile> </profiles>
```

Servers Building JOnAS

## **Maven Build**

The Maven Build compiles all the JOnAS modules:

```
mvn clean install
```

If the *svn* command is not available in your PATH (may be the case for Windows developers), it is recommended to use the following compilation command line:

```
mvn -P!build-number-generation clean install
```

Here is a snippet of the output:

```
[INFO] Scanning for projects... [INFO] Reactor build order: [INFO] JOnAS [INFO] JOnAS : Modules
[INFO] JOnAS : APIs [INFO] JOnAS : APIs : Deployment [INFO] JOnAS : APIs : Services Interfaces
[INFO] JOnAS : Libraries [INFO] JOnAS : Libraries : Commons [INFO] JOnAS : Libraries :
Deployment [INFO] JOnAS : Libraries : Naming [INFO] JOnAS : Services [INFO] JOnAS : Services :
Service Manager [INFO] JOnAS : Libraries : J2EE Management (JSR 77) [INFO] JOnAS : Services :
JMX [INFO] JOnAS : Services : Security [INFO] JOnAS : Libraries : Version Number [INFO] JOnAS :
Libraries : Timer Manager [INFO] JOnAS : Services : JCA Resource [INFO] JOnAS : Libraries : EJB
Container [INFO] JOnAS : Services : Carol Registry [INFO] JOnAS : Services : HSQL DB [INFO]
JOnAS : Services : Mail [INFO] JOnAS : Services : JOTM Transaction [INFO] JOnAS : Services : Web
Services [INFO] JOnAS : Services : Web Container [INFO] JOnAS : Services : Web Container :: Base
[INFO] JOnAS : Services : Web Container :: Tomcat [INFO] JOnAS : Services : Web Container ::
Tomcat :: 6.0.x [INFO] JOnAS : Security :: Tomcat :: 5.5.x [INFO] JOnAS : Services : Web
Container :: Tomcat :: 5.5.x [INFO] JOnAS : Services : JCA WorkManager [INFO] JOnAS : Tools
[INFO] JOnAS : Tools : Ant Tasks [INFO] JOnAS : Tools : Cluster Daemon [INFO] JOnAS : Generators
[INFO] JOnAS : Generators : Base [INFO] JOnAS : Generators : Client Stubs [INFO] JOnAS :
Generators : WSGen [INFO] JOnAS : EE Components [INFO] JOnAS : EE Components : Web Context Root
. . . [INFO] ----- [INFO]
BUILD SUCCESSFUL [INFO] -----
[INFO] Total time: 2 minutes 5 seconds [INFO] Finished at: Mon Jun 11 13:31:28 CEST 2007 [INFO]
Final Memory: 26M/53M [INFO]
-----
```

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