

# JBoss 5.1 as Windows Service

 [link2dev.blogspot.tw/2013/03/jboss-51-as-windows-service.html](http://link2dev.blogspot.tw/2013/03/jboss-51-as-windows-service.html)

## Synopsis

It is pretty simple to make JBoss 5.1 to work as a Windows service (there is a lot of documentation), but this blog entry may save the "busy developer" some reading. I also configure JBoss for listening in all available IPs (including localhost) for the server machine.

## Summary of Steps:

1. Notes on Installing Java and JBoss
2. Setting environment vars
3. Modifying Scripts
4. Installing and Running Service
5. Stopping and Uninstalling Service

## 1. Notes on Installing Java and JBoss

I won't go into Java and JBoss installation details. Simply I will point out that for JBoss 5.1 there are basically two options available for download:

- jboss-5.1.0.GA: This is prepared to work with JDK 5 and if it is used with JDK 6 you must include additional jars to the %JBOSS\_HOME%\lib\endorsed dir. Look at the JBoss documentation for details.
- jboss-5.1.0.GA-jdk6: As its name states this works out-of-the-box with JDK6.

I prefer to use JDK6 with the JDK6-ready JBoss installer. This is the version used when I wrote this post.

## 2. Setting Environment Vars

The following env-vars must be set (specially if you have an environment with multiple JDKs and JREs as is usual in development environments):

- JAVA\_HOME
- JBOSS\_HOME

Optionally you may include %JAVA\_HOME%\bin to the PATH.

This could be done "permanent and global" through the *System Properties Applet* in the *Advanced Tab* and then clicking *Environment Variables* button, but for [my] convenience I wrote batch script and named it **setEnv.bat**:

**echo** Setting environment variables...

**set** JAVA\_HOME=C:\Program Files\Java\jdk1.6.0\_43

**set** JBOSS\_HOME=C:\jboss\jboss-5.1.0.GA

**set** PATH=%JAVA\_HOME%\bin;%PATH%

Save the script in %JBOSS\_HOME%\bin directory.

## 3. Modifying Scripts

In order to configure Service options we must edit **service.bat**. The only thing I did here is configure the invocation of "run.bat" to enable listening on all IPs. This must be done in two places: under the ":cmdStart" label, and under ":waitRun" label. The line should look like:

```
call run.bat -b 0.0.0.0 < .r.lock >> run.log 2>&1
```

All that we must add is the "-b 0.0.0.0" parameter to the "run.bat" call.

I also modified **run.bat** to include a call to my **setEnv.bat** at the beginning of the script:

```
call setEnv.bat
```

## 4. Installing and Running Service

To install the service run:

```
%JBOSS_HOME%\bin\service.bat install
```

To start the service you may use the *Control Panel* or run the following command:

```
net start JBAS50SVC
```

The name of the service is configured at the beginning of **service.bat** script.

## 5. Stopping and Uninstalling Service

To uninstall the service run:

```
%JBOSS_HOME%\bin\service.bat uninstall
```

To stop the service you may use the *Control Panel* or run the following command:

```
net stop JBAS50SVC
```

## References And Further Reading

1. *JBoss AS5 Documentation*. <http://www.jboss.org/jbossas/docs/5-x.html>
2. *RunJBossAsAServiceOnWindows*. <https://community.jboss.org/wiki/RunJBossAsAServiceOnWindows>
3. *JBoss Service Readme File*. %JBOSS\_HOME%\README-service.txt
4. *JBoss 5.1.0GA as Windows service*. <http://mickel.wordpress.com/2010/05/04/jboss-5-1-0ga-as-windows-service/>