

How To Get Rid Of Redeploy Web Application Everytime With Hotswap Agent And Tomcat Plugin

What is Hotswap Agent?

The main purpose of this project is to avoid infamous **change -> restart and wait -> check development lifecycle**. Save&Reload during development should be standard and many other languages (including C#) contain this feature

Read more: <https://github.com/HotswapProjects/HotswapAgent>

Installation

1. download [latest release of DCEVM Java patch](#) and launch the installer (e.g. `java -jar installer-light.jar`). Currently you need to select correct installer for Java major version (7/8).
2. select java installation directory on your disc and press "Install DCEVM as altjvm" button. **Java 1.7+ versions are supported.**
3. download [latest release of Hotswap agent jar](#), unpack **hotswap-agent.jar** and put it anywhere on your disc. For example:
C:\java\hotswap-agent.jar

Note: You should open command prompt as administrator when running `java -jar installer-light.jar` command.

Run your application

1. Add following command line java attributes (VM Options):

```
1 -XXaltjvm=dcevm -javaagent:PATH_TO_AGENT\hotswap-agent.jar
```

For example:

```
1 -XXaltjvm=dcevm -javaagent:C:\hotswapagent\hotswap-agent.jar
```

See [Intellij IDEA](#) and [Netbeans](#) configuration.

2. (optional) create a file named "**hotswap-agent.properties**" inside your **resources** directory, see available properties and default values: <https://github.com/HotswapProjects/HotswapAgent/blob/master/hotswap-agent-core/src/main/resources/hotswap-agent.properties>

3. This agent only works in debug mode. Therefore we should start the application with debug mode. Check that the agent and plugins are initialized correctly.

```
HOTSWAP AGENT: 9:49:29.548 INFO (org.hotswap.agent.HotswapAgent) - Loading Hotswap agent - unlimited runtime class redefinition.
```

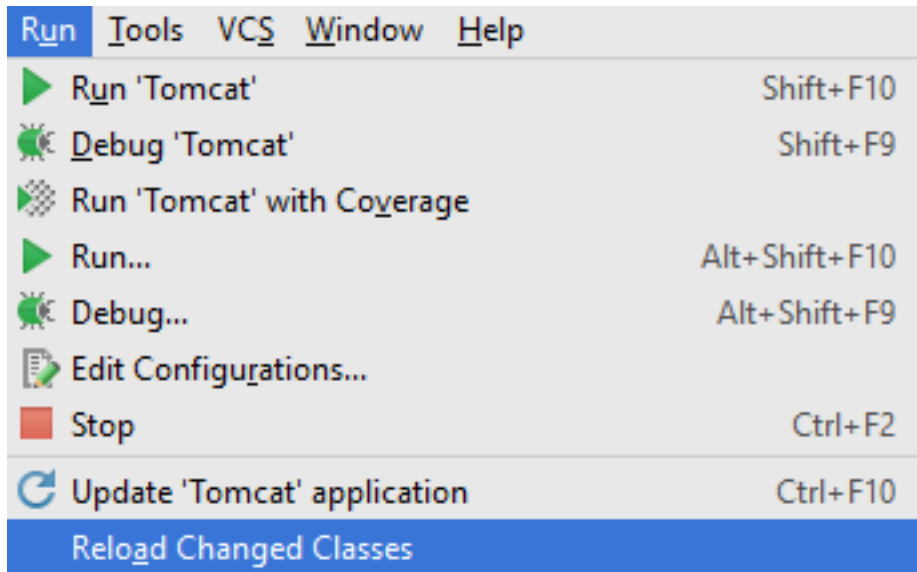
```
HOTSWAP AGENT: 9:49:29.725 INFO (org.hotswap.agent.config.PluginRegistry) - Discovered plugins: [org.hotswap.agent.plugin.hotswapper.HotswapperPlugin, org.hotswap.agent.plugin.jvm.AnonymousClassPatchPlugin, org.hotswap.agent.plugin.hibernate.HibernatePlugin, org.hotswap.agent.plugin.spring.SpringPlugin, org.hotswap.agent.plugin.jetty.JettyPlugin, org.hotswap.agent.plugin.tomcat.TomcatPlugin, org.hotswap.agent.plugin.zk.ZkPlugin, org.hotswap.agent.plugin.logback.LogbackPlugin]
```

```
...
```

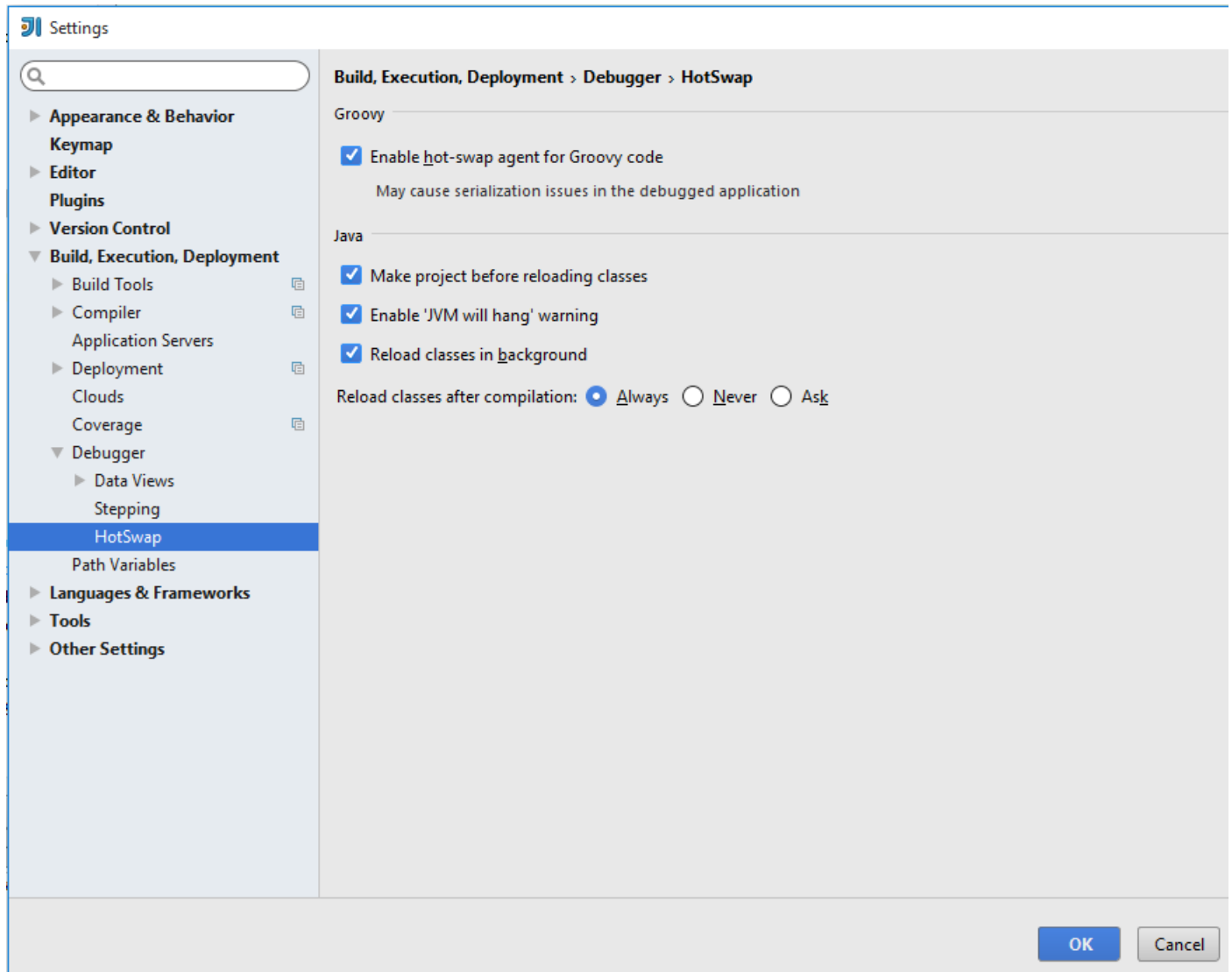
```
HOTSWAP AGENT: 9:49:38.700 INFO (org.hotswap.agent.plugin.spring.SpringPlugin) - Spring plugin initialized - Spring core version '3.2.3.RELEASE'
```

4. Save a changed resource and/or use the HotSwap feature of your IDEA.

In IntelliJ Idea, Hotswap feature is activated as follows:



To manage the behavior of the HotSwap mechanism:



Not: Read IntelliJ Idea more configuration: https://groups.google.com/forum/#!topic/hotswapagent/BxAK_Clniss

Hotswap Agent With Tomcat Plugin

IntelliJ IDEA Tomcat 7.0 Configuration is supported.

Run/Debug Configurations

Name: Tomcat Share

Server Deployment Logs Code Coverage Startup/Connection

Application server: Tomcat 7.0.64

Open browser

After launch with JavaScript debugger

http://localhost:8080/admin/

VM options: -XXaltjvm=dcevm -javaagent:C:\Users\myuce\Desktop\hotswap-agent.jar

On 'Update' action: Update classes and resources Show dialog

On frame deactivation: Update resources

Use alternative JRE: C:\Program Files\Java\jdk1.8.0_51

Tomcat Server Settings

HTTP port: 8080 Deploy applications configured in Tomcat instance

HTTPs port: Preserve sessions across restarts and redeploys

JMX port: 1099

AJP port:

Before launch: Make, Build Artifacts

Make

Build 'telif-local:war exploded' artifact

Show this page

OK Cancel Apply Help