

SPRINGSOURCE BLOG

- [SEARCH](#)



RE SPRING TRAINING Live Online, 8 Oct 2013 [Learn More](#)

- [AUTHORS](#)

[Adam FitzGerald](#)

[Alan Stewart](#)

[Andrew Eisenberg](#)

[Andy Wilkinson](#)

[Ben Alex](#)

[Ben Hale](#)

[Chris Frost](#)

[Christian Dupuis](#)

[Craig Walls](#)

[David Turanski](#)

[Glyn Normington](#)

[Guillaume Laforge](#)

[Helena Edelson](#)

[Jennifer Hickey](#)

[John Hann](#)

[Jon Travis](#)

[Juergen Hoeller](#)

[Kris De Volder](#)

[Mark Fisher](#)

[Mark Thomas](#)

[Michael Isvy](#)

[Oleg Zhurakousky](#)

[Paul Chapman](#)

[Peter Ledbrook](#)

[Rob Harrop](#)

[Rod Johnson](#)

[Roy Clarkson](#)

[Stefan Schmidt](#)

[Adrian Colyer](#)

[Alexis Richardson](#)

[Andy Clement](#)

[Arjen Poutsma](#)

[Ben Corrie](#)

[Chris Beams](#)

[Chris Richardson](#)

[Costin Leau](#)
[Dave Syer](#)
[Gary Russell](#)
[Graeme Rocher](#)
[Gunnar Hillert](#)
[James Tyrrell](#)
[Jeremy Grelle](#)
[Jon Brisbin](#)
[Josh Long](#)
[Keith Donald](#)
[Luke Taylor](#)
[Mark Pollack](#)
[Martin Lippert](#)
[Mike Wiesner](#)
[Oliver Gierke](#)
[Peter Cooper-Ellis](#)
[Ramnivas Laddad](#)
[Rob Winch](#)
[Rossen Stoyanchev](#)
[Scott Andrews](#)
[Thomas Risberg](#)

- CATEGORIES

- [2.0](#) (29)
- [2.5/2.1](#) (18)
- [3.0](#) (38)
- [3.1](#) (18)
- [AMQP](#) (7)
- [Android](#) (4)
- [AOP](#) (20)
- [Apache Tomcat](#) (7)
- [Big Data](#) (7)
- [Books](#) (3)
- [Builds](#) (16)
- [Bundlor](#) (1)
- [Business](#) (28)
- [Cloud Computing](#) (52)
- [Cloud Foundry](#) (18)
- [Containers](#) (12)
- [Data Access](#) (42)
- [dm Server](#) (64)
- [Enterprise Integration](#) (26)
- [Google](#) (3)
- [Green Beans](#) (6)
- [Groovy/Grails](#) (54)

- [Hadoop](#) (3)
- [Hyperic HQ](#) (6)
- [Hyperic IQ](#) (1)
- [IOC Container](#) (32)
- [Java](#) (85)
- [JMS](#) (6)
- [JMX](#) (4)
- [JSF](#) (2)
- [Management Tools](#) (1)
- [Open Source](#) (91)
- [OSGi](#) (72)
- [Roo](#) (17)
- [Scala](#) (2)
- [Security](#) (25)
- [Slices](#) (1)
- [Spring](#) (394)
- [Spring Batch](#) (3)
- [Spring Data](#) (15)
- [Spring Events](#) (23)
- [Spring Integration](#) (19)
- [Spring Python](#) (4)
- [SpringSource](#) (54)
- [tc Server](#) (10)
- [Testing](#) (14)
- [Tools](#) (53)
- [Training/Certification](#) (2)
- [VMware](#) (7)
- [Web](#) (51)
- [Web Flow](#) (9)
- [Web Services](#) (7)

- **WEBSITES**

- [Spring Framework](#)
- [Spring Training](#)

- **ARCHIVES**

- [August 2013](#)
- [July 2013](#)
- [June 2013](#)
- [May 2013](#)
- [April 2013](#)
- [March 2013](#)
- [February 2013](#)
- [January 2013](#)
- [December 2012](#)
- [November 2012](#)

- October 2012
- September 2012
- August 2012
- July 2012
- June 2012
- May 2012
- April 2012
- March 2012
- February 2012
- January 2012
- December 2011
- November 2011
- October 2011
- September 2011
- August 2011
- July 2011
- June 2011
- May 2011
- April 2011
- March 2011
- February 2011
- January 2011
- December 2010
- November 2010
- October 2010
- September 2010
- August 2010
- July 2010
- June 2010
- May 2010
- April 2010
- March 2010
- February 2010
- January 2010
- December 2009
- November 2009
- October 2009
- September 2009
- August 2009
- July 2009
- June 2009
- May 2009
- April 2009
- March 2009
- February 2009

- [January 2009](#)
- [December 2008](#)
- [November 2008](#)
- [October 2008](#)
- [September 2008](#)
- [August 2008](#)
- [July 2008](#)
- [June 2008](#)
- [May 2008](#)
- [April 2008](#)
- [March 2008](#)
- [February 2008](#)
- [January 2008](#)
- [December 2007](#)
- [November 2007](#)
- [October 2007](#)
- [September 2007](#)
- [August 2007](#)
- [July 2007](#)
- [June 2007](#)
- [May 2007](#)
- [April 2007](#)
- [March 2007](#)
- [February 2007](#)
- [January 2007](#)
- [December 2006](#)
- [November 2006](#)
- [October 2006](#)
- [September 2006](#)
- [August 2006](#)
- [July 2006](#)
- [May 2006](#)
- [April 2006](#)
- [March 2006](#)
- [February 2006](#)
- [August 2004](#)

BUILDING SPRING 3	
----------------------	--

Posted on March 3rd, 2009 by [Chris Beams](#) in [3.0](#), [Builds](#), [Open Source](#), [Spring](#).
UPDATE – Feb 21 '12: Spring Framework has [moved to GitHub](#), and for 3.2.x development has moved from Ant to Gradle. Take a look at the [building from source](#) section of the README there for (greatly simplified!) instructions.

INTRODUCTION

As Juergen [announced last week](#), Spring 3.0 Milestone 2 is now available. In this post, I'll show you in six steps how to download and build the latest Spring 3 sources and get a development environment up and running in Eclipse.

We'll wrap up by discussing the best ways to follow Spring 3 development, how to file bugs and improvement requests, and considerations for compiling against locally-built Spring 3 binaries in a Maven environment.



PREREQUISITES

Make sure you've got each of the following before beginning the steps below:

- Subversion client, version 1.5 or better
- Java 6 or better (Spring 3 requires Java 5 to run, but requires Java 6 to build)
- Ant 1.7 or better
- Eclipse (3.3 or 3.4 will do) or optionally, the latest [SpringSource Tool Suite](#)

STEP 1: CHECK OUT THE SOURCES

As you may already be aware, Spring sources are now hosted at [springsource.org](https://src.springsource.org) and, unlike previous versions of Spring that were controlled under CVS, Spring 3 is now managed using Subversion.

Before we check out the sources, let's take a quick look at the layout of the repository.

```
cbeams@kaizen:~>$ svn ls  
https://src.springsource.org/svn/spring-framework  
branches/  
tags/  
trunk/
```

As you can see, the repository is laid out in conventional Subversion form, with branches, tags and trunk directories. Should you need to sync up to a particular milestone or release, you can always find them in the tags/ directory:

```
cbeams@kaizen:~>$ svn ls  
https://src.springsource.org/svn/spring-  
framework/tags  
spring-framework-3.0.0.M1/  
spring-framework-3.0.0.M2/
```

Let's sync up to the latest and greatest under trunk/:

```
cbeams@kaizen:~>$ svn co
https://src.springsource.org/svn/spring-
framework/trunk spring-framework
...
```

When the checkout is complete, you'll find the following directory listing:

```
cbeams@kaizen:~>$ cd spring-framework
cbeams@kaizen:~/spring-framework>$ ls -l
build-spring-framework
build.properties
ci-build.properties
org.springframework.agent
org.springframework.aop
org.springframework.aspects
org.springframework.beans
org.springframework.config.java
org.springframework.context
org.springframework.context.support
org.springframework.core
org.springframework.expression
org.springframework.instrument
org.springframework.instrument.classloading
org.springframework.integration-tests
org.springframework.jdbc
org.springframework.jms
org.springframework.orm
org.springframework.oxm
org.springframework.samples.petclinic
org.springframework.spring-library
org.springframework.test
org.springframework.transaction
org.springframework.web
org.springframework.web.portlet
org.springframework.web.servlet
spring-build
spring-framework.ipr
spring-framework.psf
```

Experienced Spring hackers will notice right away that the directory structure looks a bit different than in previous versions. Spring's internal structure is much more modular now – each of the `org.springframework.*` directories represents an individual project or module, each with its own respective source directory, test suite and build artifact. This is good news when you're working on the framework: for example, a change to `org.springframework.core` can be unit tested independent of the thousands of unrelated unit tests in the other modules. This makes for a much more expedient and pleasurable development experience. It also means that finding existing unit tests tends to be a more intuitive process. Poke around for yourself and see what you think!

STEP 2: BUILD

Along with many of the other Spring projects, Spring 3 is built using a combination of Ant and Ivy that we refer to simply as 'Spring Build'. Details of the build infrastructure aside, kicking off a build is simple:

```
cbeams@kaizen:~/spring-framework>$ cd build-spring-  
framework  
cbeams@kaizen:~/spring-framework/build-spring-  
framework>$ ant  
[...]  
BUILD SUCCESSFUL
```

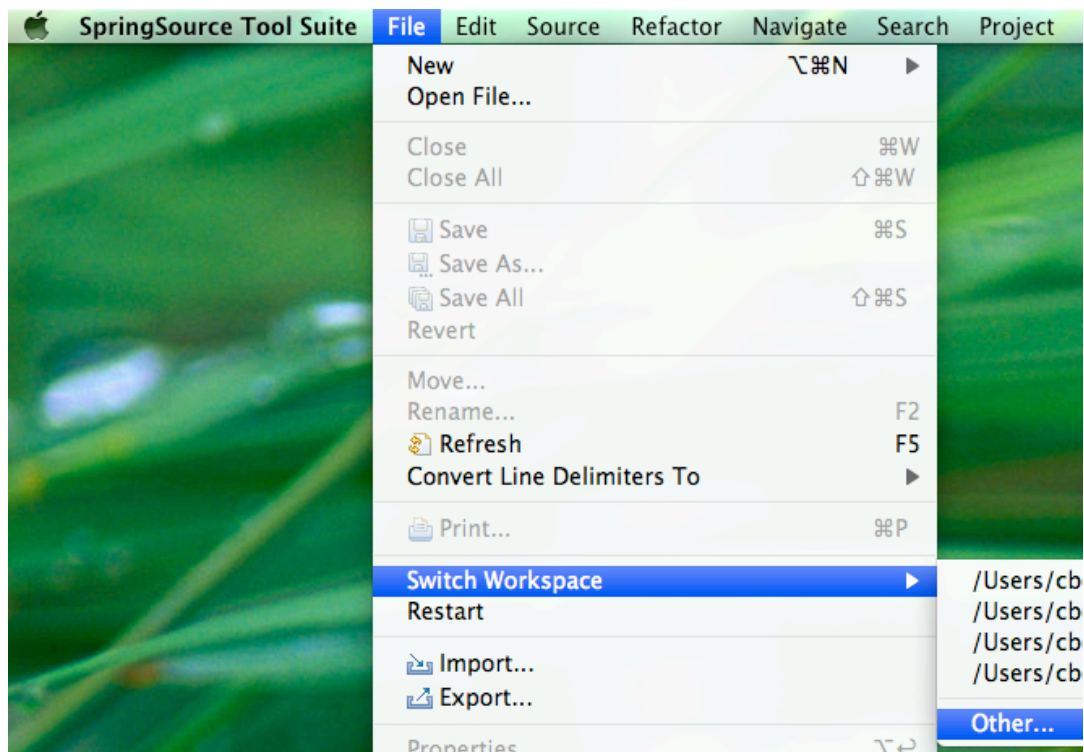
This initial build will take 20 minutes or more, depending on your connection speed. You'll notice that Ivy downloads all dependencies transitively and automatically from the SpringSource Enterprise Bundle Repository and this can take some time.

While the build progresses, move on and complete steps 3-5 to set up your Eclipse/STS workspace.

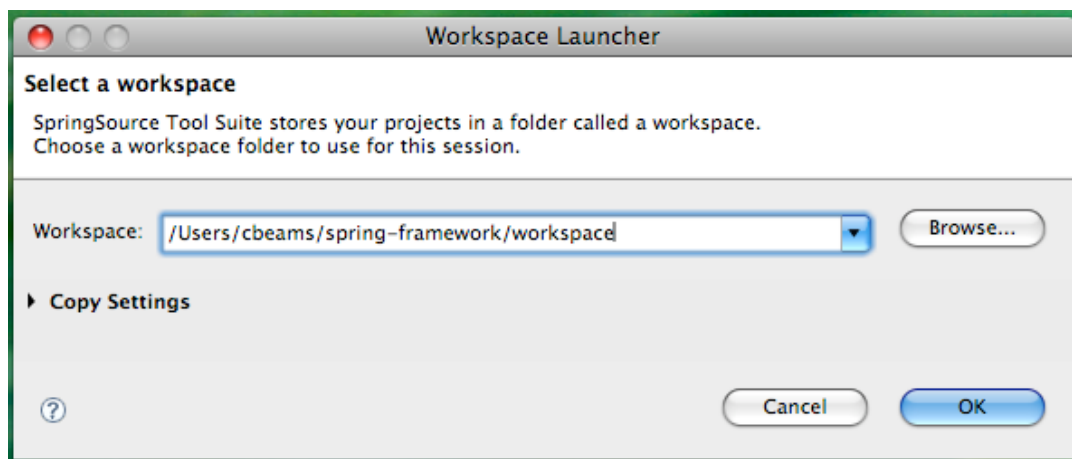
STEP 3: SET UP A NEW WORKSPACE (*OPTIONAL*)

Because we'll be changing the default JRE and introducing a new classpath variable, it's recommended that you set up a new workspace in Eclipse dedicated to Spring 3, but it's not strictly required. If you wish to skip this step and use an existing workspace, move on to step 4.

Go **File > Switch Workspace > Other ...**



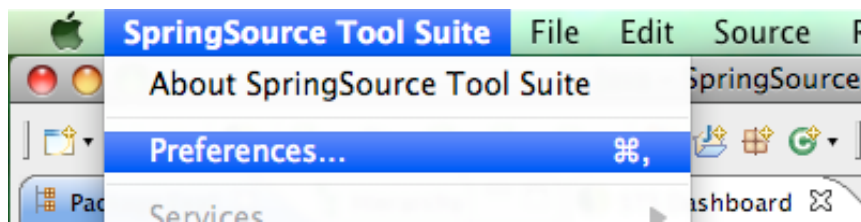
Specify a new location for your Spring 3 workspace. You may choose any directory; as you can see below, I've chosen to create a 'workspace' directory right within my spring checkout, just for convenience.



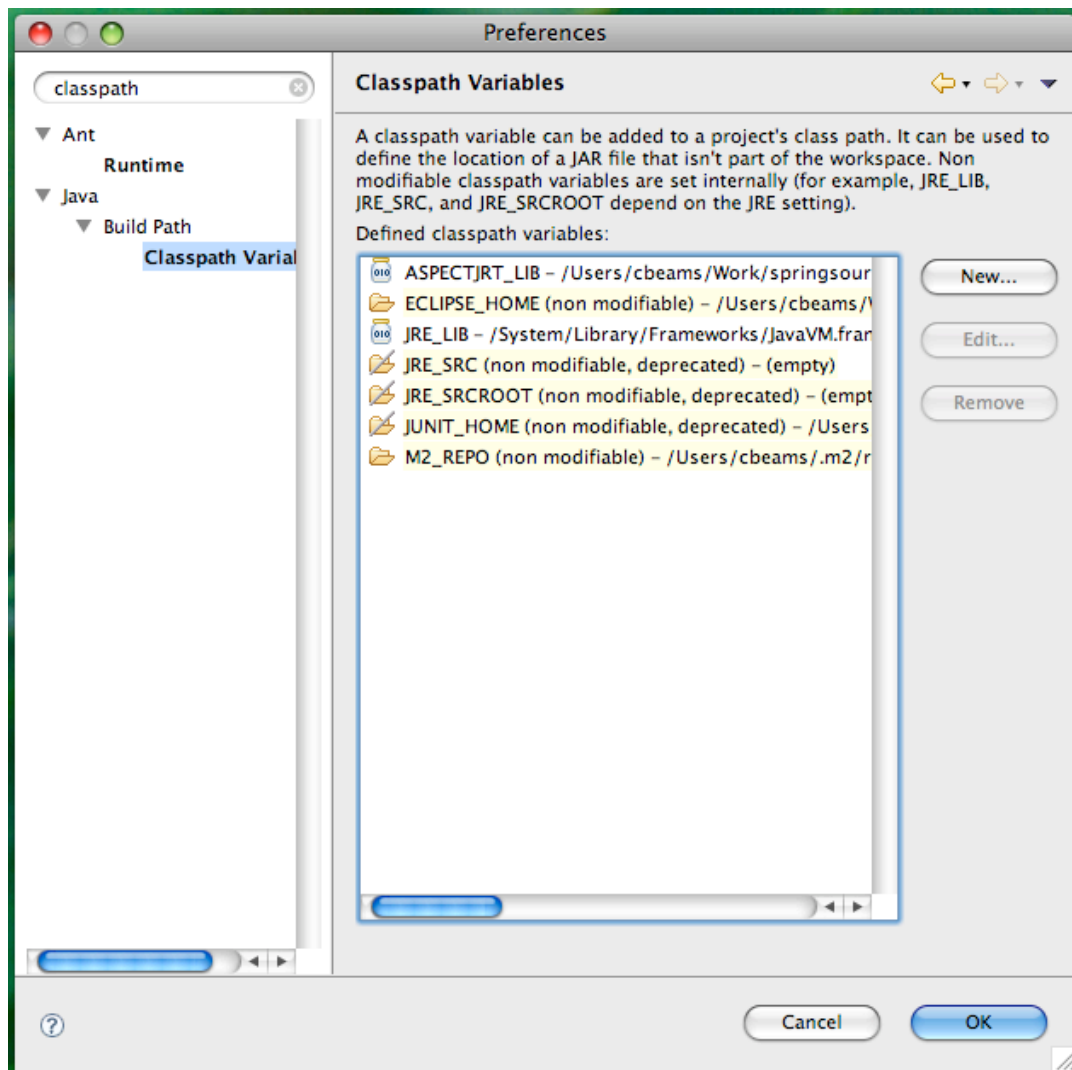
STEP 4: CREATE THE IVY_CACHE CLASSPATH VARIABLE

In this step, we'll create a classpath variable in Eclipse that the various Spring 3 projects will use to determine the location of the jars they depend on. As we noticed earlier when watching the Ant build progress, Ivy is downloading a number of jars – those jars are being downloaded into the ivy-cache/repository directory under the root of your Spring checkout.

Open the global Preferences dialog



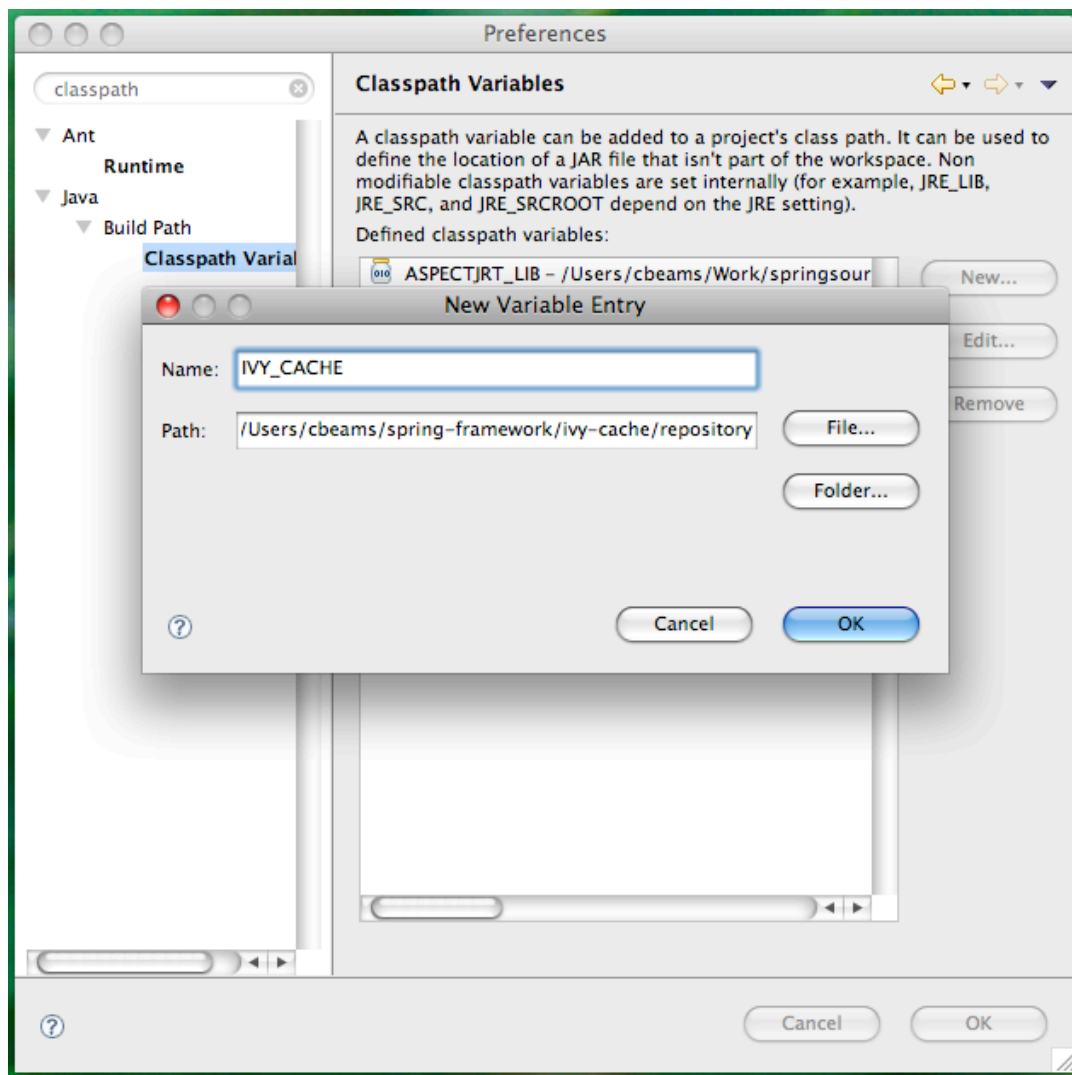
Type 'classpath' to narrow the list of menu items and choose 'Classpath Variables'



Click 'New' to create a new classpath variable, and type in the following values

Name: IVY_CACHE

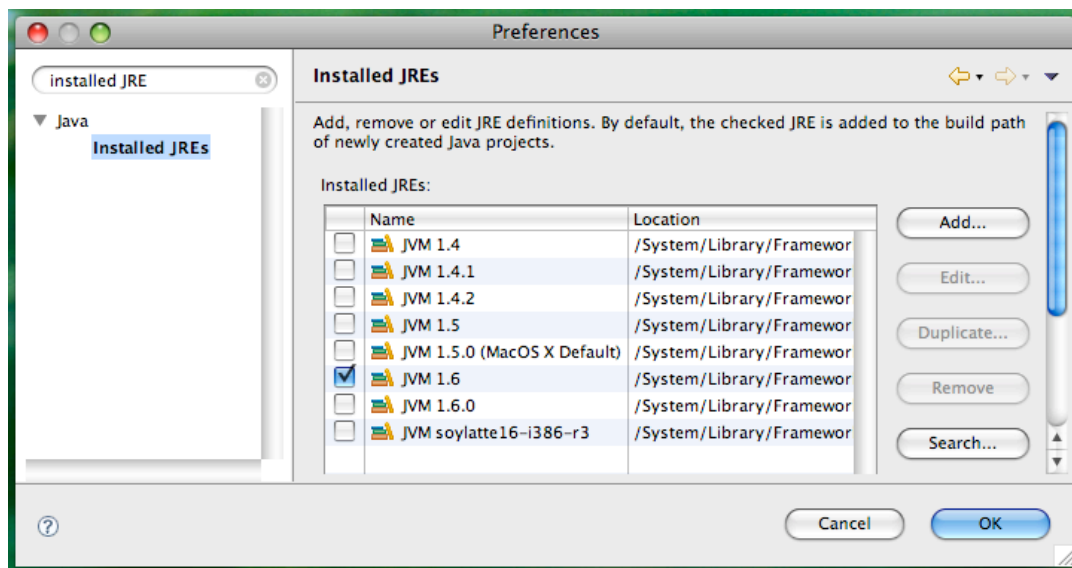
Path: [your-checkout-root]/ivy-cache/repository



STEP 5: SET THE WORKSPACE DEFAULT JRE TO JAVA 6

As mentioned above, Spring 3 requires Java 6 to build. The easiest way to ensure this dependency is handled is to simply set the default JRE for your Eclipse workspace to Java 6. If this is already the case for your Eclipse installation, you may of course skip this step.

Once again, open the global Preferences dialog. This time, type in "installed JRE" to narrow down the options.



Make sure that a 1.6 JVM is selected. If there is no 1.6 JVM listed in your Installed JREs, click 'Add...' and point Eclipse to the location of Java 6 on your system.

STEP 6: IMPORT SOURCES INTO ECLIPSE

We're almost ready to import Spring sources; first let's make sure the build is complete. Look back at the window in which you started the build. It may still be progressing; if so, wait until it completes. When it finishes you should see the following:

```

Terminal — screen-4.0.2 — ttys000 — 105x48

test.post:
[mkdir] Created dir: /Users/cbeams/Work/springsource/products/opensource/portfolio/spring-framework/build-spring-framework/target/test-results/html
[junitreport] Processing /Users/cbeams/Work/springsource/products/opensource/portfolio/spring-framework/build-spring-framework/TESTS-TestSuites.xml to /tmp/null1413402627
[junitreport] Loading stylesheet jar:file:/usr/share/ant/lib/ant-junit.jar!/org/apache/tools/ant/taskdefs/optional/junit/xsl/junit-frames.xsl
[junitreport] Transform time: 41941ms
[junitreport] Deleting: /tmp/null1413402627
[delete] Deleting: /Users/cbeams/Work/springsource/products/opensource/portfolio/spring-framework/build-spring-framework/TESTS-TestSuites.xml

test:

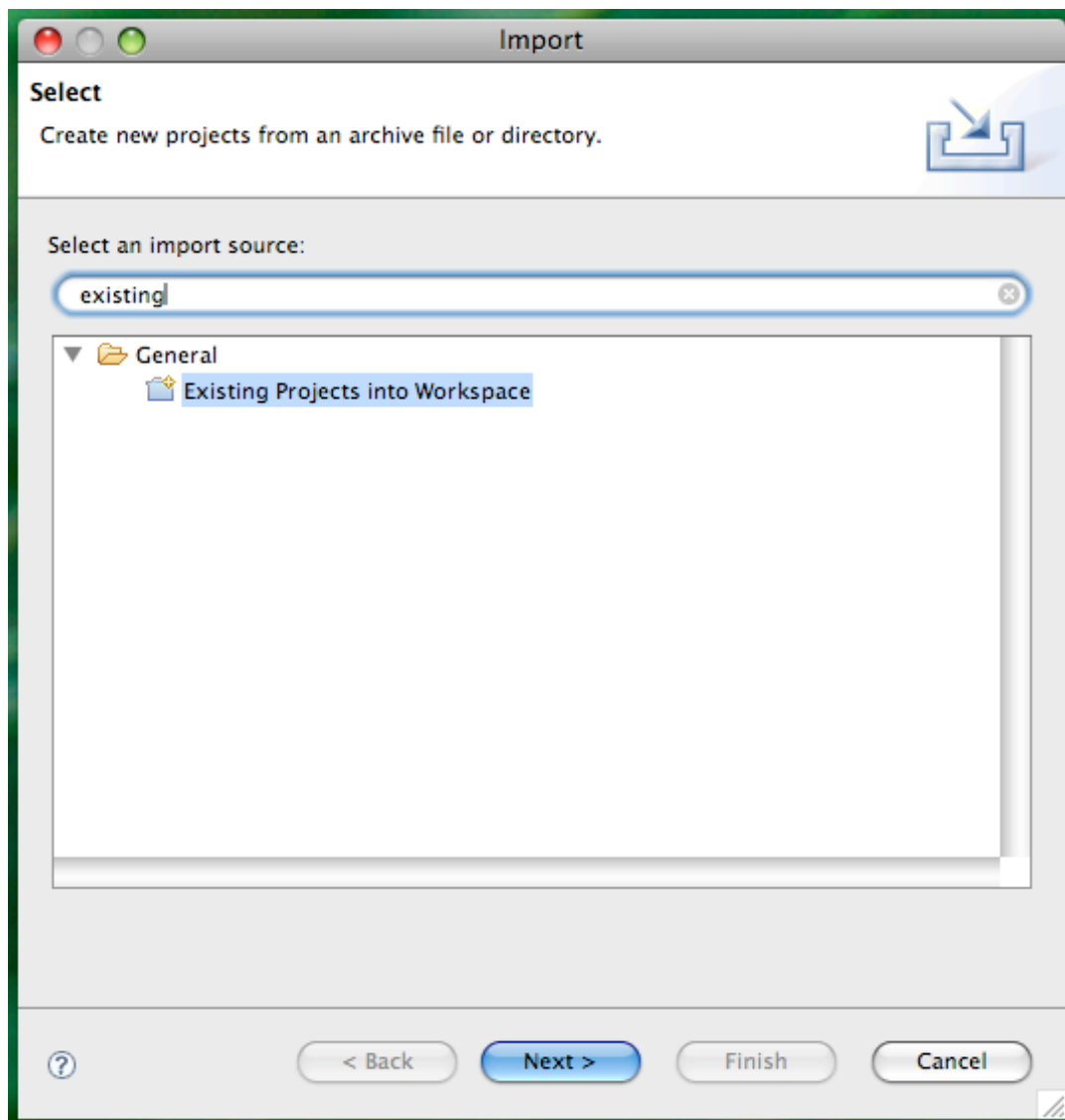
precommit:

BUILD SUCCESSFUL
Total time: 15 minutes 52 seconds

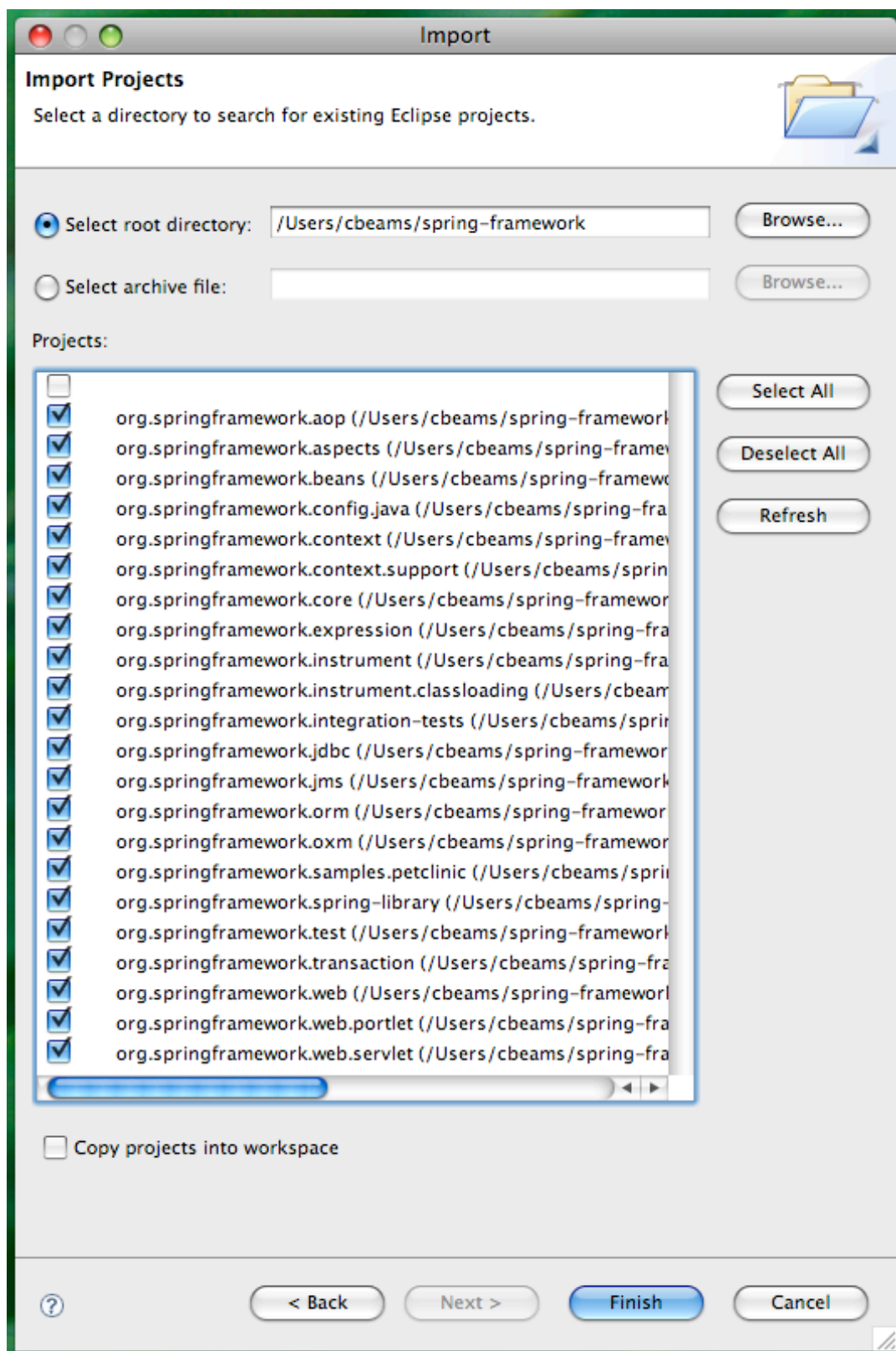
```

Remember, your time will vary depending on your connection speed. Don't be surprised if the initial build takes a while!

When the build is complete, import the projects into Eclipse:
Go **File > Import** and type in "existing" to narrow the options

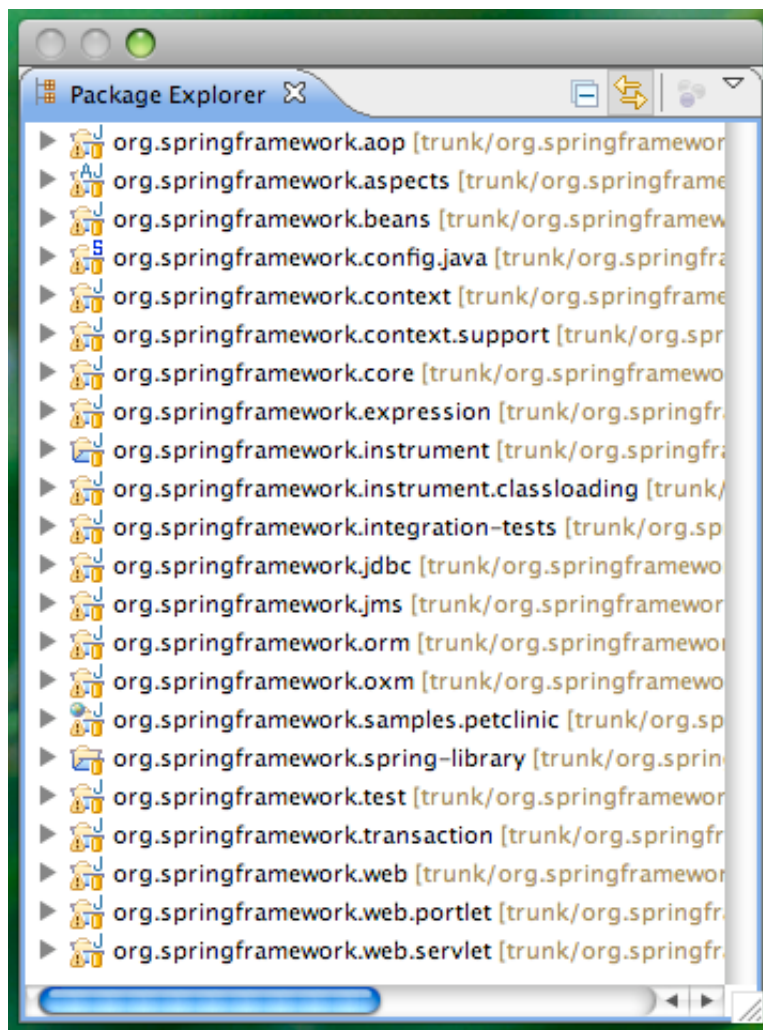


Choose "Existing Projects into Workspace". A file selection dialog will appear. Choose the root directory of your Spring 3 checkout. Eclipse will recurse through the directory and detect the .project files for each of the Spring 3 projects. When finished, you should see the following dialog:



Uncheck the first, unlabeled checkbox and click Finish.

Wait while Eclipse imports the projects. When complete, you should see your Package Explorer populated as below, with 22 projects and no errors.

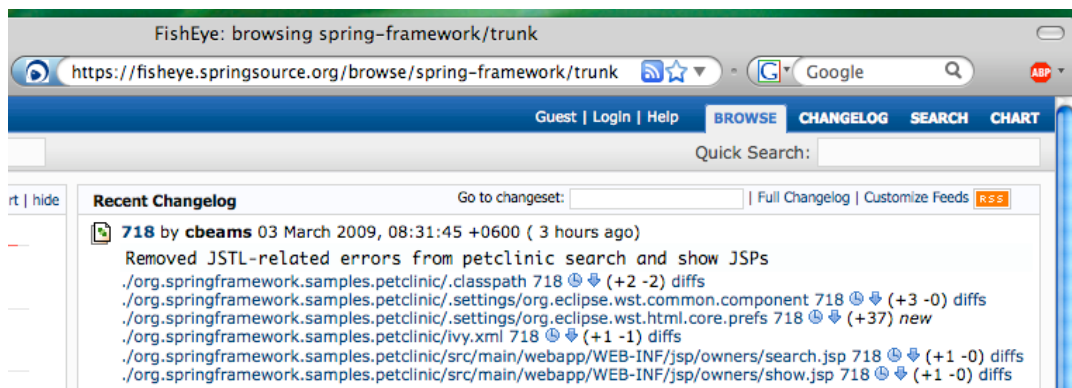


That's it! You've now got the Spring 3 sources at your fingertips and you can browse and edit at will. Have fun!

FOLLOWING SPRING 3 DEVELOPMENT

The best way to stay in touch with Spring development is to follow the subversion commits via RSS using SpringSource's Fisheye service.

Go to <https://fisheye.springsource.org/browse/spring-framework/trunk>, and click the RSS icon in the upper right.



Note that you can subscribe to any node within the Spring source tree. So if there's a particular module or even individual package that you care about, you can receive notifications at any granularity you choose.

For quick reference, the RSS feed URL to follow all Spring 3 commits is <https://fisheye.springsource.org/changelog/~rss/spring-framework/trunk/rss.xml>. Add that to your feed reader and you're good to go.

PROVIDING FEEDBACK ON SPRING 3

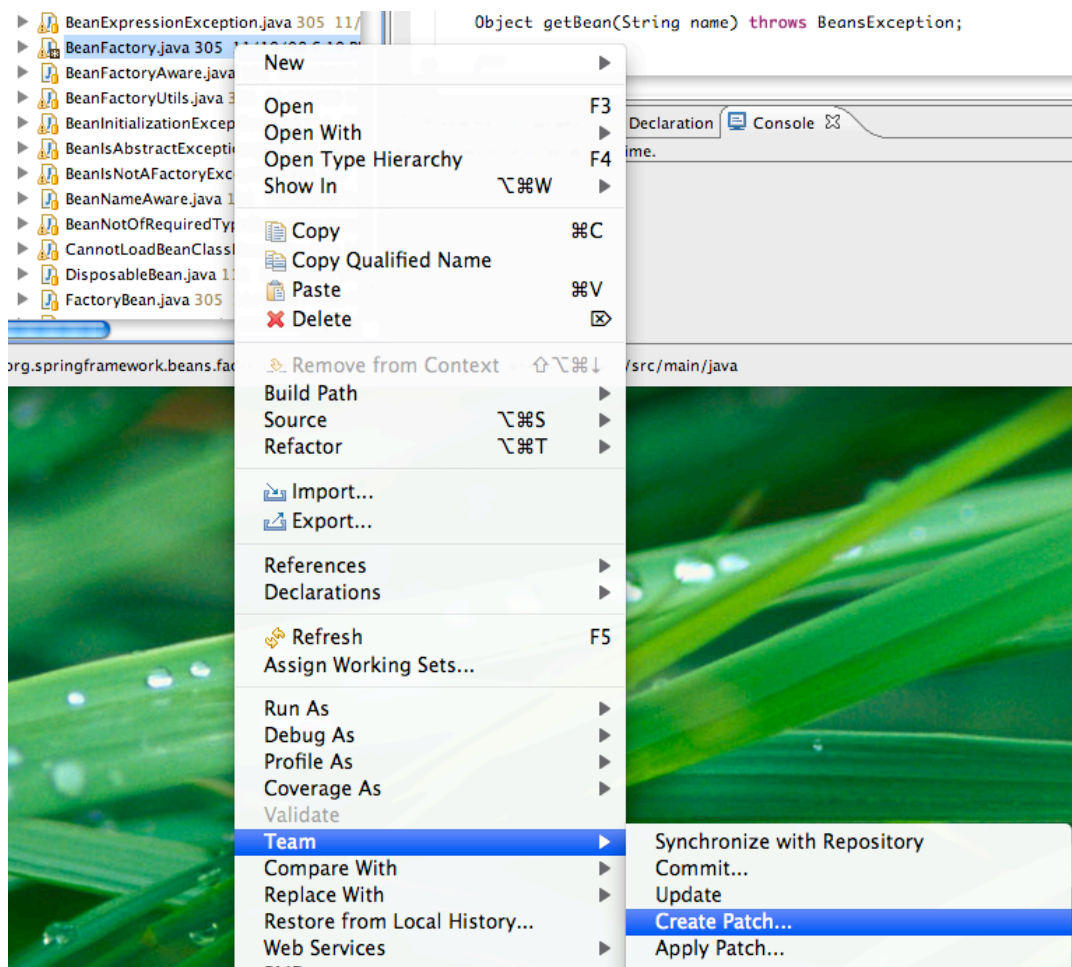
As the milestones progress and we get closer to Spring 3.0 GA, your feedback is ever more important. Should you find a bug or have an improvement request for an existing feature, please take a moment to visit <http://jira.springsource.org> and create a new issue against the Spring Framework project.

If possible, please attach a simple JUnit test case that reproduces any bug. In the absence of that, please provide detailed reproduction steps.

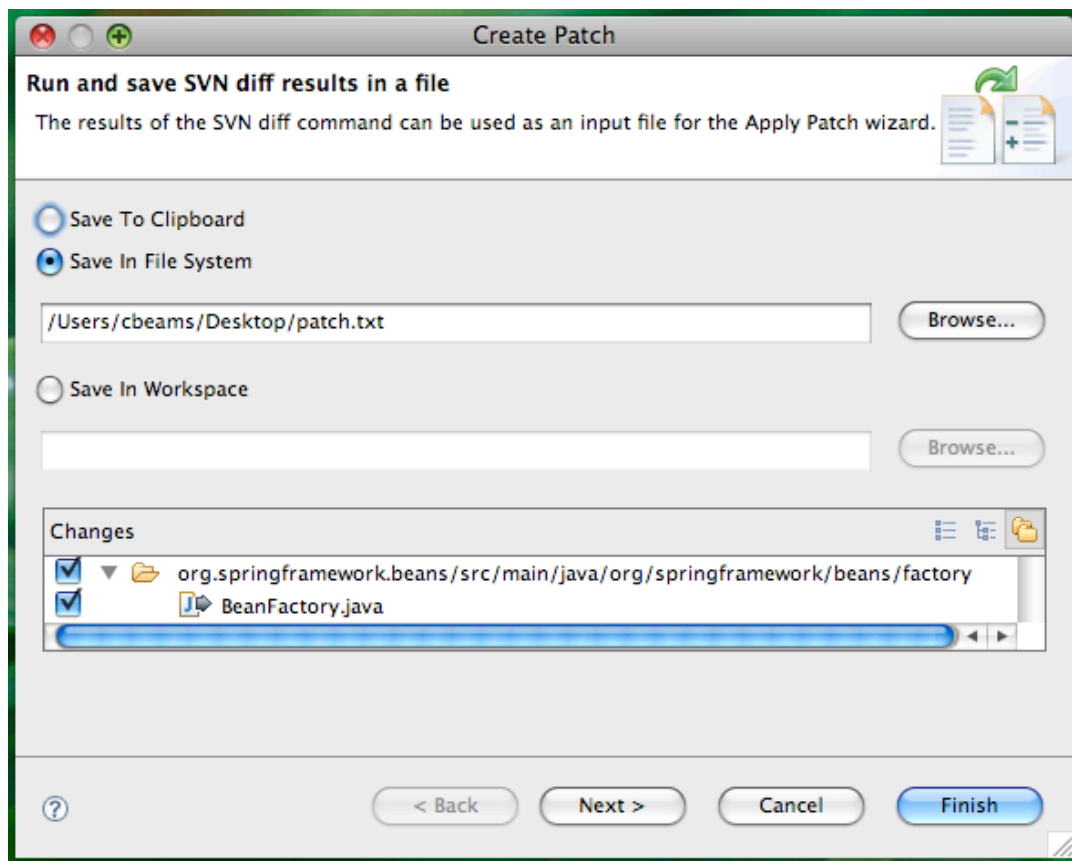
Also, when reporting bugs or improvements, please don't hesitate to take a shot at implementing the change yourself and attaching a patch file. We love getting contributions from the community!

If you're using the [Subclipse](#) Subversion plugin for Eclipse, it's quite easy to generate patch files:

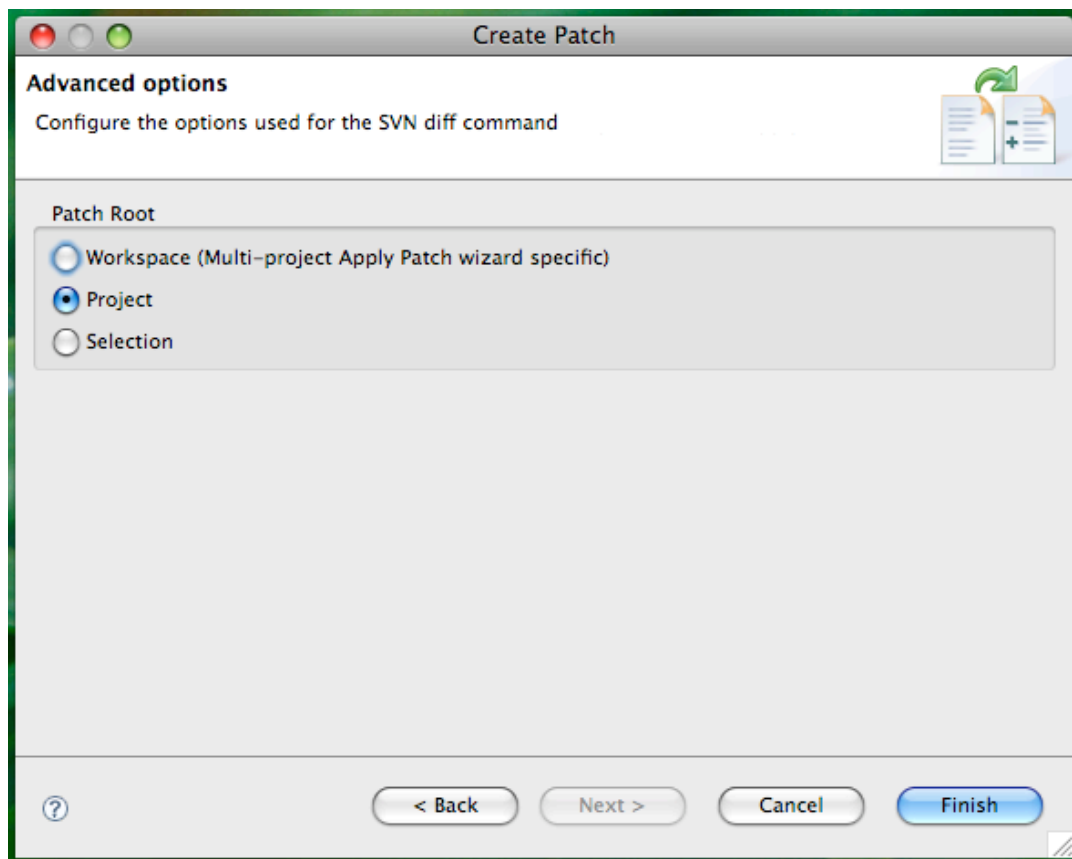
From the context menu in the package explorer, go **Team > Create Patch...**



In the Create Patch dialog, choose 'Save In File System' and specify a file



Click Next for advanced options and choose 'Project' as the patch root.



Then attach the resulting patch file to your JIRA issue. You can rest assured that issues with patches have a natural kind of precedence



USING LOCALLY BUILT SPRING 3 BINARIES IN A MAVEN ENVIRONMENT

As a final note, Maven users will want to know how to most effectively install their locally built Spring 3 binaries into their local Maven repository.

From the root of your Spring checkout directory, or from within any individual module, you can use the 'install-maven-central' target to automate copying artifacts from target/ to your local m2 repository.

```
cbeams@kaizen:~/spring-  
framework/org.springframework.core>$ ant install-  
maven-central  
Buildfile: build.xml  
[... snipped ...]  
install-maven-central:
```

```
[maven:install] [INFO] Installing
/Users/cbeams/spring-
framework/org.springframework.core/target/artifacts/
org.springframework.core.jar to
/Users/cbeams/.m2/repository/org/springframework/org
.springframework.core/3.0.0.BUILD-
20090302225538/org.springframework.core-3.0.0.BUILD-
20090302225538.jar
[maven:install] [INFO] Installing
/Users/cbeams/spring-
framework/org.springframework.core/target/artifacts/
org.springframework.core-sources.jar to
/Users/cbeams/.m2/repository/org/springframework/org
.springframework.core/3.0.0.BUILD-
20090302225538/org.springframework.core-3.0.0.BUILD-
20090302225538-sources.jar
BUILD SUCCESSFUL
Total time: 4 seconds
You can combine the 'test' and 'install-maven-central' targets to achieve
functionality roughly equivalent to 'mvn install':
```

```
cbeams@kaizen:~/spring-
framework/org.springframework.core>$ ant test
install-maven-central
```

Note: 'install-maven-central' assumes that your local repository is in the default location of \$HOME/.m2/repository

SUMMARY

I hope you've enjoyed this walk through the world of Spring 3 development, and I think you'll find that after the one-time setup detailed above it's easy to develop against Spring 3 sources. We encourage you to follow development and stay in touch with us via JIRA. Your feedback is and always has been the lifeblood of Spring, and we thank you for it. Keep it coming!

SIMILAR POSTS

- [Debugging DSLD Scripts](#)
- [Spring Integration 1.0.3 Samples: just add Maven](#)
- [Spring Integration in 10 minutes](#)

- [Custom Project Templates in SpringSource Tool Suite](#)
- [Maven Artifacts](#)

Share this Post



OTHER POSTS

- 23/08/2013: [Spring Security 3.2.0.RC1 Highlights: Security Headers](#)
- 26/11/2007: [Spring Framework Maven Artifacts](#)
- 10/03/2010: [Introducing SpringSource tc Server 2.0](#)
- 05/07/2013: [Spring Security Java Config Preview: OAuth](#)
- 04/05/2009: [SpringSource Plus Hyperic Unifies Application Lifecycle From Developer to Data Center](#)

99 RESPONSES

1. [Kjetil Ødegaard](#) says:

Added on [March 3rd, 2009 at 5:05 am](#)

Thanks for the update!

By the way, the Fisheye URLs give a certificate error since the certificate is only valid for the 'fisheye.springframework.org' hostname.

2. Grzegorz Borkowski says:

Added on [March 3rd, 2009 at 6:11 am](#)

Chris, I have a question about building Spring 3 with Maven. I've checked out the trunk sources, and I see that in submodules there are pom.xml files. So I would like to build it with Maven. But I wasn't able to find any parent pom file, to build it all at once. Then I tried to build one of submodules: `cd org.springframework.core, mvn install` – and I got error "Unable to download artifact org.springframework:org.springframework.parent:pom:3.0-M1-SNAPSHOT" So there is some parent pom, but looks like it is not included in trunk sources?

BTW, more general question: some time ago I remember there was information about plans of porting Spring to be build with Maven 2: see e.g. this post:

<http://blog.springsource.com/2006/09/15/yes-i-know-its-now-the-most-voted-for-issue-in-the-jira/>

Now it looks like it was dropped, and there is something called "Spring build", with not much information about it around, what actually it is. You say it is Ant Ivy, but what's more above it? And what was the reasons for switching back to Ant and dropping plans of Maven migration? I don't like to start another discussion Ant vs Maven here, I would simply like to find some arguments behind Spring decision. Personally, I hate Maven for its many bugs, design flaws, stupid decisions, unhelpful exception etc. Maven is far far far away from being perfect build tool – but having experience with Ant and Maven, I still believe Maven is better choice than Ant for Java projects that don't have completely non-standard build process. (For example: I see Eclipse project files stored on SVN, so I can simply import it into Eclipse IDE. But if I want to use other IDE, say NetBeans, it's not that easy; if spring was build with Maven, I could open it and build easily from any IDE: Eclipse, Netbeans etc. I did it for SpringSecurity, which is based on Maven, and it actually worked perfectly: I was able to build it with ease both from Eclipse and Netbeans). So I'm always interested in finding the reasons for the decision of going with Ant against Maven, especially in case of such projects/companies like SpringSource, which seems to already have good experience with Maven, on the example of SpringSecurity and probably other subprojects too.

3. Dirk Dinger says:

Added on [March 3rd, 2009 at 11:09 am](#)

For me it would also be very interesting to know, what the reason was to build with Ivy now. I would like to give the 3.0M2 version a try and change the spring dependencies within my

pom.xml. Are the 3.0M2 artifacts accessible from some maven repository ?

4. Chris Beams (blog author) says:

Added on [March 3rd, 2009 at 12:45 pm](#)

@Kjetil – Regarding the certificate error, thanks. For the time being, I've changed the Fisheye links back to <http://fisheye.springframework.org> – they should work fine now.

@Grzegorz – Regarding maven POM files, good question. The presence of a POM file in each module root is misleading, I know. These are not intended to allow users to build with Maven. Rather, they contain just the dependency metadata necessary to allow transitive resolution to occur when we publish Spring artifacts to Maven repositories.

@Gregorz, @Dirk – Regarding the choice of Ivy over Maven, stay tuned. There were some compelling reasons, but I'll let the decision makers weigh in with their comments.

@Dirk – The good news is that M2 binaries are available via Maven within the SpringSource Enterprise Bundle Repository (a Maven2 compliant repo). You can follow the [instructions I posted in a comment on the M1 announcement](#) from December. Of course, you'll need to replace references to '3.0.0.M1' with '3.0.0.M2' throughout.

5. Nick says:

Added on [March 3rd, 2009 at 2:18 pm](#)

I second Grzegorz. To me the reasoning behind the Ant/Ivy/Maven choice made by the Spring team would be more interesting than Eclipse configuration details.

6. ifnu says:

Added on [March 5th, 2009 at 5:04 am](#)

Still using terminal? you may use iTerm for better terminal in Mac



and yes ivy rocks

7. Brian DeHamer says:

Added on [March 5th, 2009 at 12:49 pm](#)

I'm using the M2 binaries from the SpringSource Enterprise Bundle Repository and am a bit confused by some of the dependencies listed in the pom.xml files. For example, why does the core library have a dependency on "com.springsource.org.apache.commons.logging-1.1.1.jar"? I assume that this is just the plain ol' commons logging library, but why the Spring-specific artifact name? This is causing some problems when building my projects since I have other dependencies that include commons logging (with the more traditional artifact name) and I end-up with duplication JARs in the final build.

8. Oleg Zhurakousky (blog author) says:

Added on [March 5th, 2009 at 5:51 pm](#)

@Brian

It is the same Commons Logging that you are using with one exception. We've modified the binary to include the OSGi MANIFEST headers so it could be used in OSGi environment.

Outside of OSGi you can safely treat it as if you downloaded from ASF site.

Here is more info:

<http://www.springsource.com/repository/app/faq#q11>

9. Dan Revel says:

Added on [March 9th, 2009 at 2:23 pm](#)

Thanks for the helpful guide!

Using jdk1.6.0_10 and ant-1.7.1 to run the ant build in step 2 (build-spring-framework) I got:

BUILD FAILED

/home/dan/spring-3.0/spring-framework/spring-build/multi-bundle/artifact.xml:45: The following error occurred while executing this line:

/home/dan/spring-3.0/spring-framework/spring-build/multi-bundle/common.xml:71: The following error occurred while executing this line:

/home/dan/spring-3.0/spring-framework/spring-build/common/common.xml:81:

java.lang.OutOfMemoryError: PermGen space

I resolved this issue by increasing the Permanent Generation size used by ant:

export ANT_OPTS="-XX:PermSize=128m -XX:MaxPermSize=128m"

10. Tareq says:

Added on [March 11th, 2009 at 8:25 am](#)

Hi,

I get to build Spring correctly with ant but when I import the projects, eclipse complains about jars not found under IVY_CACHE (commons dbcp, xmlUnit and several others). Am I supposed to copy those manually (sounds weird) or am I missing something?

11. Chris Beams says:

Added on [March 12th, 2009 at 8:17 pm](#)

@Tareq,

I'm up-to-date with the latest sources and working against a clean IVY_CACHE and I don't see any such issues.

What project is complaining?

Check to see that you have \$CHECKOUT_ROOT/ivy-

cache/repository/org.custommonkey.xmlunit/com.springsource.org.custommonkey.xmlunit/1.2.

0/com.springsource.org.custommonkey.xmlunit-1.2.0.jar

If you don't, then rebuild from the command line, minimally with `ant jar`. This will ensure that any missing deps are downloaded by ivy.

12. Colin Sampaleanu (blog author) says:

Added on [March 12th, 2009 at 10:21 pm](#)

One other thing to keep in mind is that this is a real, live, working codebase, and as shocking as it may sound,



, it's always possible for something to be accidentally broken. Right now (Mar 12, 8pm PDT) for example, the Eclipse project metadata for the org.springframework.orm project is slightly out of date w/regards to some openjpa and hibernate jars that got upgraded in the ivy definitions already, so importing that project would result in breakage.

For anybody that wants to practice with this build outside of head, as opposed to checking out of svn, you can also download the Spring 3.0 M2 release tarball and build that version, under the "projects" directory.

Colin

13. Chris Beams says:

Added on [March 12th, 2009 at 10:24 pm](#)

Ditto on Colin's comment above, and note that if you want to build something that is certain to adhere to my instructions above, you could simply change the svn checkout URL to <https://src.springframework.org/svn/spring-framework/tags/spring-framework-3.0.0.M2> instead of /trunk.

14. Harv says:

Added on [March 25th, 2009 at 1:00 pm](#)

[junit] Testsuite: org.springframework.aop.aspectj.autoproxy.AspectJAutoProxyCreatorTests

[junit] Tests run: 17, Failures: 1, Errors: 0, Time elapsed: 27.41 sec

[junit]

[junit] ——— Standard Output ———

[junit] 1943

[junit] 2283

[junit] 4426

[junit] ———

[junit] Testcase:

testAspectsAndAdvisorNotAppliedToManySingletonsIsFastEnough(org.springframework.aop.aspectj.autoproxy.AspectJA

utoProxyCreatorTests): FAILED

```
[junit] Singleton creation took too long: 4426
[junit] junit.framework.AssertionFailedError: Singleton creation took too long: 4426
[junit] at
org.springframework.aop.aspectj.autoproxy.AspectJAutoProxyCreatorTests.testAspectsAndAdvisorNotAppliedToManySingletonsIsFastEnough(AspectJAutoProxyCreatorTests.java:162)
[junit]
[junit]
[subant] Leaving directory: C:\spring-framework-3.0.0.M2\projects\org.springframework.context
Can someone help me resolve this issue

BUILD FAILED
C:\spring-framework-3.0.0.M2\projects\spring-build\multi-bundle\quality.xml:23: The following error occurred while executing this line:
ne:
C:\spring-framework-3.0.0.M2\projects\spring-build\multi-bundle\common.xml:71: The following error occurred while executing this line:
e:
C:\spring-framework-3.0.0.M2\projects\spring-build\common\quality.xml:36: The following error occurred while executing this line:
C:\spring-framework-3.0.0.M2\projects\spring-build\common\quality.xml:190: Tests failed
```

15. Chris Beams says:

Added on [March 25th, 2009 at 10:35 pm](#)

@Harv,

Certain tests in the Spring test suite are performance tests and fail if they don't finish within a particular number of milliseconds. Most of these tests, like the one that failed for you, have methods that end with '`...IsFastEnough()`'.

Seeing these tests fail doesn't mean that you've done anything wrong per se, but just that your machine wasn't able to run the tests as fast as our development machines and build server do.

You have a couple of options:

- 1) build the source without running the tests (`ant jar`)
- 2) shut down everything on your machine that's consuming significant CPU and try again
- 3) @Ignore the '`...IsFastEnough`' tests.

If you're interested in (3), you can use this bash script to add JUnit `@Ignore` annotations to those methods (assumes you're on a *nix platform):

```
$SPR_ROOT>$ find . -name *.java | xargs grep -l test.*FastEnough | xargs -I file sed -i.
's/public void/@org.junit.Ignore public void/' file
```

16. Steve says:

Added on [May 5th, 2009 at 12:07 pm](#)

I got build failed on Mac (Leopard 10.5.6)

Java version "1.6.0_07" (Mac Official Java Update 2)

Apache Ant version 1.7.1 (installed from port)

...

[s:javac] 897. ERROR in /Users/yang/work/spring3/spring-framework/org.springframework.core/src/main/java/org/springframework/util/xml/XMLEventStreamReader.java (at line 213)

[s:javac] private Attribute getAttribute(int index) {

[s:javac] ^^^^^^^^^

[s:javac] Attribute cannot be resolved to a type

[s:javac] _____

[s:javac] 898. ERROR in /Users/yang/work/spring3/spring-framework/org.springframework.core/src/main/java/org/springframework/util/xml/XMLEventStreamReader.java (at line 231)

[s:javac] private Namespace getNamespace(int index) {

[s:javac] ^^^^^^^^^

[s:javac] Namespace cannot be resolved to a type

[s:javac] _____

[s:javac] 898 problems (441 errors, 457 warnings)

[subant] Leaving directory: /Users/yang/work/spring3/spring-framework/org.springframework.core

BUILD FAILED

/Users/yang/work/spring3/spring-framework/spring-build/multi-bundle/artifact.xml:45: The following error occurred while executing this line:

/Users/yang/work/spring3/spring-framework/spring-build/multi-bundle/common.xml:71: The following error occurred while executing this line:

/Users/yang/work/spring3/spring-framework/spring-build/common/artifact.xml:28: The following error occurred while executing this line:

/Users/yang/work/spring3/spring-framework/spring-build/common/common.xml:142: The following error occurred while executing this line:

/Users/yang/work/spring3/spring-framework/spring-build/standard/common.xml:14: Compile failed; see the compiler error output for details.

Total time: 4 minutes 27 seconds

17. Keith Donald says:

Added on [May 9th, 2009 at 9:42 am](#)

Steve,

On Leopard, make sure you switch your default JVM to Java 6 by going to Applications ->

Utilities -> Java Preferences, then restart your terminal shell.

Keith

18. Stevo Slavic says:

Added on [May 10th, 2009 at 4:18 am](#)

Thanks for detailed info on how to build Spring 3. My initial build failed with OutOfMemoryError. Any recommended ANT_OPTS values?

19. Chris Beams (blog author) says:

Added on [May 11th, 2009 at 12:18 am](#)

@Stevo:

```
cbeams@kaizen:~>$ cat .bashrc | grep ant
alias ant="ANT_OPTS='-XX:MaxPermSize=1024m -Xmx1024m' ant -
Dtest.vm.args='-XX:MaxPermSize=512m -Xmx1024m' -
Dcompiler.args='-enableJavadoc -warn:none '"
```

20. Joerg Bellmann says:

Added on [May 12th, 2009 at 6:18 am](#)

Hi all,

i have problems to build the framework. I googled around but did not find a solution. Whenever i tried to build the framework i got the following output:

```
joerg@belloStoneOne:~/DEVELOPMENT/WORK/SPRING/spring-framework-3.0.0.M3/build-
spring-framework$ ant
```

```
...
...
...
```

BUILD FAILED

/home/joerg/DEVELOPMENT/WORK/SPRING/spring-framework-3.0.0.M3/spring-build/multi-
bundle/artifact.xml:45: The following error occurred while executing this line:

/home/joerg/DEVELOPMENT/WORK/SPRING/spring-framework-3.0.0.M3/spring-build/multi-
bundle/common.xml:71: The following error occurred while executing this line:

/home/joerg/DEVELOPMENT/WORK/SPRING/spring-framework-3.0.0.M3/spring-
build/common/common.xml:87: impossible to configure ivy:settings with given file:

/home/joerg/DEVELOPMENT/WORK/SPRING/spring-framework-3.0.0.M3/spring-
build/common/ivysettings.xml : java.text.ParseException: failed to load settings from
file:/home/joerg/DEVELOPMENT/WORK/SPRING/spring-framework-3.0.0.M3/spring-
build/common/ivysettings.xml: impossible to define new type: class not found:

org.springframework.aws.ivy.S3Resolver in [] nor Ivy classloader

I found some entries in the spring-forum that the problem can be a ivy.jar in \$ANT_HOME/lib but i am sure, my ANT is ivy-free.

I have only "java" and "ant" in required versions in my path:

```
joerg@belloStoneOne:~/DEVELOPMENT/WORK/SPRING/spring-framework-3.0.0.M3/build-spring-framework$ echo $PATH
```

```
/usr/lib/jvm/java-6-sun-1.6.0.13/bin:/home/joerg/DEVELOPMENT/JAVA/apache-ant-1.7.1/bin:/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games
```

What did i wrong?

21. Colin Sampaleanu (blog author) says:

Added on [May 13th, 2009 at 11:20 am](#)

Joerg,

If you are sure your .../ant/lib dir does not have an old version of Ivy in it, also look inside your ~/.ant/lib directory. I started getting the same build issue actually, and something had actually placed an older version of Ivy there. When I removed the Ivy jar under that home location, the build worked fine.

Colin

22. Joerg Bellmann says:

Added on [May 14th, 2009 at 4:26 am](#)

Thank you Colin,

that was the problem. I found an ivy.jar in ~/.ant/lib. After removing it the build runs as expected. Don't know who placed it there.

Thank you again.

MfG

Jörg

23. Stevo Slavic says:

Added on [May 14th, 2009 at 9:53 am](#)

Thanks Chris for the ANT tips!

When I try "ant publish-maven-local" in an environment where mirror of central (a nexus repo manager instance) is configured in maven settings.xml, build error occurs (see [1]). After checking mirror of central repo, I've found only aws 1.2.2 pom file there, and not the jar. When I explicitly (via web browser) requested aws 1.2.2 jar on mirror of central repo it downloaded one from central as expected. If I comment out mirror in my settings.xml, error disappears and build is successful. With no mirror of central defined build downloads not only aws 1.2.2 pom but jar too to local repository, and of course every next build, with or without mirror of central defined, is successful.

It seems like request to "[maven:install-provider] Downloading: org/springframework/aws/spring-aws-maven/1.2.2/spring-aws-maven-1.2.2.jar from central" actually requested something else than what was logged, or the request didn't make it to the mirror of central repo. With aws 1.2.2 jar in mirror of central mirror (after that manual request via browser), I've deleted aws 1.2.2 pom and jar from local repository, and tried build again with mirror of central defined in settings.xml – build broke with same error, it couldn't find the aws 1.2.2 jar.

Maven 2.1.0 is installed on the system.

[1] Spring framework "ant publish-maven-local" build error

[CODE]

[maven:install-provider] Downloading: org/springframework/aws/spring-aws-maven/1.2.2/spring-aws-maven-1.2.2.pom from central

[maven:install-provider] Downloading: org/springframework/aws/spring-aws-maven/1.2.2/spring-aws-maven-1.2.2.jar from central

[maven:install-provider] An error has occurred while processing the Maven artifact tasks.

[maven:install-provider] Diagnosis:

[maven:install-provider]

[maven:install-provider] Error downloading wagon provider from the remote repository: Missing:

[maven:install-provider] _____

[maven:install-provider] 1) org.springframework.aws:spring-aws-maven:jar:1.2.2

[maven:install-provider]

[maven:install-provider] Try downloading the file manually from the project website.

[maven:install-provider]

[maven:install-provider] Then, install it using the command:

[maven:install-provider] mvn install:install-file -DgroupId=org.springframework.aws -DartifactId=spring-aws-maven -Dversion=1.2.2 -Dpackaging=jar -Dfile=/path/to/file

[maven:install-provider]

[maven:install-provider] Alternatively, if you host your own repository you can deploy the file there:

[maven:install-provider] mvn deploy:deploy-file -DgroupId=org.springframework.aws -DartifactId=spring-aws-maven -Dversion=1.2.2 -Dpackaging=jar -Dfile=/path/to/file -Durl=[url] -DrepositoryId=[id]

[maven:install-provider]

[maven:install-provider] Path to dependency:

[maven:install-provider] 1) unspecified:unspecified:jar:0.0

```
[maven:install-provider] 2) org.springframework.aws:spring-aws-maven:jar:
1.2.2
[maven:install-provider]
[maven:install-provider] -----
[maven:install-provider] 1 required artifact is missing.
[maven:install-provider]
[maven:install-provider] for artifact:
[maven:install-provider] unspecified:unspecified:jar:0.0
[maven:install-provider]
[maven:install-provider] from the specified remote repositories:
[maven:install-provider] central (https://nexus.foo.com/content/groups/foo-public)
[maven:install-provider]
[maven:install-provider]
[subant] Leaving directory: D:\work\java\workspaces\oss\spring\spring-framework\org.springframework.instrument
BUILD FAILED
D:\work\java\workspaces\oss\spring\spring-framework\spring-build\multi-bundle\publish.xml:24: The following error occurred while executing this line:
D:\work\java\workspaces\oss\spring\spring-framework\spring-build\multi-bundle\common.xml:71: The following error occurred while executing this line:
D:\work\java\workspaces\oss\spring\spring-framework\spring-build\common\publish.xml:57: Error downloading wagon provider from the remote repository: Missing:
-----
1) org.springframework.aws:spring-aws-maven:jar:1.2.2
Try downloading the file manually from the project website.
Then, install it using the command:
mvn install:install-file -DgroupId=org.springframework.aws -DartifactId=spring-aws-maven -Dversion=1.2.2 -Dpackaging=jar -Dfile=/path/to/file
Alternatively, if you host your own repository you can deploy the file there:
mvn deploy:deploy-file -DgroupId=org.springframework.aws -DartifactId=spring-aws-maven -Dversion=1.2.2 -Dpackaging=jar -Dfile=/path/to/file -Durl=[url] -DrepositoryId=[id]
Path to dependency:
1) unspecified:unspecified:jar:0.0
2) org.springframework.aws:spring-aws-maven:jar:1.2.2
-----
1 required artifact is missing.
for artifact:
```

unspecified:unspecified:jar:0.0

from the specified remote repositories:

central (<https://nexus.foo.com/content/groups/foo-public>)

[/CODE]

24. Adam Bell says:

Added on [May 21st, 2009 at 7:05 am](#)

Could someone please help – I've been trying to integrate the Spring 3 build into my own maven build so I can use the new libraries.

What is the repository entry and dependency that I require – I've tried many ways – and this is not without trying -just becoming incredibly frustrated.

25. Adam Bell says:

Added on [May 21st, 2009 at 7:40 am](#)

MAVEN download from the repository decides that the pom file is invalid.

Bamboo is unable to build using ant from the above reference.

And a direct ant call in the build directory runs out of permgen space.

I've been working with Spring for about 3 years now – and have never had this problem.

26. Adam Bell says:

Added on [May 21st, 2009 at 8:07 am](#)

[s:javac] 10. WARNING in

/trunk/org.springframework.core/src/main/java/org/springframework/core/BridgeMethodResolver.java (at line 203)

[s:javac] private static Method searchForMatch(Class type, Method bridgeMethod) {

[s:javac] ^^^^^

[s:javac] Class is a raw type. References to generic type Class should be parameterized

[s:javac] _____

[s:javac] _____

[s:javac] 11. ERROR in

/trunk/org.springframework.core/src/main/java/org/springframework/core/CollectionFactory.java (at line 29)

[s:javac] import java.util.NavigableMap;

[s:javac] ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

[s:javac] The import java.util.NavigableMap cannot be resolved

[s:javac] _____

[s:javac] 12. ERROR in

/trunk/org.springframework.core/src/main/java/org/springframework/core/CollectionFactory.java (at line 30)


```
[s:javac] import java.util.NavigableSet;
[s:javac] ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
[s:javac] The import java.util.NavigableSet cannot be resolved
[s:javac] -----
[s:javac] 13. WARNING in
/trunk/org.springframework.core/src/main/java/org/springframework/core/CollectionFactory.jav
a (at line 56)
[s:javac] private static final Set approximableCollectionTypes = new HashSet(10);
[s:javac] ^^^^^
[s:javac] Class is a raw type. References to generic type Class should be parameterized
[s:javac] -----
[s:javac] 14. WARNING in
/trunk/org.springframework.core/src/main/java/org/springframework/core/CollectionFactory.jav
a (at line 56)
[s:javac] private static final Set approximableCollectionTypes = new HashSet(10);
[s:javac] ^^^^^
[s:javac] Class is a raw type. References to generic ty
```

27. Kamesh says:

Added on [May 22nd, 2009 at 1:40 pm](#)

```
@Steve: Could you resolve the issue?
@Keith Donald: I am getting the same errors as Steve above.
[s:javac] private Namespace getNamespace(int index) {
[s:javac] ^^^^^^^^^
[s:javac] Namespace cannot be resolved to a type
[s:javac] -----
[s:javac] 898 problems (441 errors, 457 warnings)
[subant] Leaving directory: /Developer/spring-framework-3-0/spring-framework-
3.0.0.M3/org.springframework.core
BUILD FAILED
I tried the resolution you said but it doesn't work for me.
Any suggestions...anybody?
Thanks in advance..!
```

28. Kamesh says:

Added on [May 23rd, 2009 at 12:34 am](#)

```
Hi,
I had an additional JAVA_5_HOME in my PATH. Removed it and restarted the Terminal.
Started the build and it moved ahead of the step it was causing errors at previously. This may
```

compile now. Waiting for it finish building.

Thanks anyways

29. Kamesh says:

Added on [May 23rd, 2009 at 1:01 pm](#)

compile.init:

test.init:

test.do:

[mkdir] Created dir: /Developer/Spring3/trunk/org.springframework.integration-tests/target/test-classes

[s:javac] Compiling 18 source files to

/Developer/Spring3/trunk/org.springframework.integration-tests/target/test-classes

[copy] Copying 3 files to /Developer/Spring3/trunk/org.springframework.integration-tests/target/test-classes

[copy] Copying 4 files to /Developer/Spring3/trunk/org.springframework.integration-tests/target/test-classes

[copy] Copied 4 empty directories to 1 empty directory under
/Developer/Spring3/trunk/org.springframework.integration-tests/target/test-classes

[junit] Testsuite:

org.springframework.aop.config.AopNamespaceHandlerScopeIntegrationTests

[junit] Tests run: 3, Failures: 0, Errors: 0, Time elapsed: 2.198 sec

[junit]

[junit] Testsuite:

org.springframework.aop.framework.autoproxy.AdvisorAutoProxyCreatorIntegrationTests

[junit] Tests run: 8, Failures: 0, Errors: 0, Time elapsed: 0.707 sec

[junit]

[junit] Testsuite:

org.springframework.context.annotation.ClassPathBeanDefinitionScannerScopeIntegrationTests

[junit] Tests run: 9, Failures: 0, Errors: 0, Time elapsed: 1.473 sec

[junit]

[junit] Testsuite:

org.springframework.context.annotation.ltw.ComponentScanningWithLTWTests

[junit] Tests run: 1, Failures: 0, Errors: 0, Time elapsed: 0.749 sec

[junit]

[subant] Leaving directory: /Developer/Spring3/trunk/org.springframework.integration-tests

test.post:

[mkdir] Created dir: /Developer/Spring3/trunk/build-spring-framework/target/test-results/html

BUILD FAILED

/Developer/Spring3/trunk/spring-build/multi-bundle/quality.xml:30:

java.lang.OutOfMemoryError: Java heap space

This is happening for the latest code I checked out from trunk and trying to compile.

I increased the JAVA heap and ANT heap too, but still could not get rid of this...

30. Kamesh says:

Added on [May 23rd, 2009 at 9:44 pm](#)

finally,

BUILD SUCCESSFUL.

Thanks everybody.

I have set all the required VM Options in my ANT_OPTS environment variable.

I compiled the latest source code on Mac OS X with Java 1.6.07 and Ant 1.7

31. Carlos Z says:

Added on [June 3rd, 2009 at 2:54 pm](#)

Chris, could explain how Ivy resolves the dependencies for the spring build, and how new dependencies are added/removed from the project.

I see Ivy is using S3, to store spring dependencies, is there a way to navigate then and see what's there already?

Thanks,

Carlos

32. Steve says:

Added on [June 9th, 2009 at 7:51 am](#)

maven-publish-local seems to miss several artifacts. Afterwards my repo contains

org.springframework.aop

org.springframework.asm

org.springframework.aspects

org.springframework.beans

org.springframework.context

org.springframework.core

org.springframework.expression

org.springframework.instrument

org.springframework.instrument.classloading

org.springframework.jdbc

org.springframework.jms

org.springframework.xml

org.springframework.transaction

org.springframework.web

but no web.servlet, web.portlet, orm etc

33. Graham Zabel says:

Added on [June 24th, 2009 at 4:56 am](#)

Any news on RC1?

34. Phil says:

Added on [July 2nd, 2009 at 4:35 am](#)

I find this way too much hassle, Chris. The installation procedure is way too complicated, and troublesome to maintain. After all, I don't want to add the Spring Jars to my SVN repository, which I would have to do if I followed your suggestions.

Why can't you just mavenize the whole thing? As long as Spring 3 isn't final, you could provide a dedicated Maven repository.

35. Chris Beams (blog author) says:

Added on [July 6th, 2009 at 12:23 pm](#)

@Phil,

Sorry if there was confusion here. This post was intended to be instructions for those who actually wish to build Spring from source. If you simply want to compile against Spring 3.0M3, it is available via Maven. Just add the following to your pom:

```
<repositories>
<repository>
<id>com.springsource.repository.bundles.snapshot</id>
<name>SpringSource Enterprise Bundle Repository -
SpringSource Bundle Snapshots</name>
<url>http://repository.springsource.com/maven/bundles/snapshots</url>
</repository>
<repository>
<id>com.springsource.repository.bundles.milestone</id>
<name>SpringSource Enterprise Bundle Repository -
SpringSource Bundle Milestones</name>
<url>http://repository.springsource.com/maven/bundles/milestones</url>
```

```
</repository>
<repository>
<id>com.springsource.repository.bundles.release</id>
<name>SpringSource Enterprise Bundle Repository -
SpringSource Bundle Releases</name>
<url>http://repository.springsource.com/maven/bundles/release</url>;
</repository>
<repository>
<id>com.springsource.repository.bundles.external</id>
<name>SpringSource Enterprise Bundle Repository - External
Bundle Releases</name>
<url>http://repository.springsource.com/maven/bundles/external</url>;
</repository>
</repositories>
```

...

```
<dependency>
<groupId>org.springframework</groupId>
<artifactId>org.springframework.web.servlet</artifactId>
<version>3.0.0.BUILD-SNAPSHOT</version>
</dependency>
<dependency>
<groupId>org.springframework</groupId>
<artifactId>org.springframework.orm</artifactId>
<version>3.0.0.BUILD-SNAPSHOT</version>
</dependency>
<dependency>
<groupId>org.springframework</groupId>
<artifactId>org.springframework.test</artifactId>
<version>3.0.0.BUILD-SNAPSHOT</version>
</dependency>
```

```
<dependency>
<groupId>org.springframework</groupId>
<artifactId>org.springframework.context.support</artifactId>
>
<version>3.0.0.BUILD-SNAPSHOT</version>
</dependency>

<!-- and whatever other spring jars you need -->
```

As you can see, I've used the 3.0.0.BUILD-SNAPSHOT artifact here in order to grab the latest nightly build. If you want M3, just change that to 3.0.0.M3.

In order to see which artifacts are available, use S3Browse to explore our maven repo:<http://s3browse.com/explore/repository.springsource.com/maven/bundles/>

36. Tony Murphy says:

Added on [July 9th, 2009 at 11:01 am](#)

tried <http://repository.springsource.com/maven/bundles/milestone> but got error
NoSuchKeyThe specified key does not
exist.maven75FF1E2F1228FF523aGpuyEFq96RVii279MgcCA7aGzvPgOHA8N4moQGRzSw
sA1cjsC7Cqc5Ed9mGoUO
now using
spring-milestone
Spring Portfolio Milestone Repository
<http://s3.amazonaws.com/maven.springframework.org/milestone>

37. Phil says:

Added on [July 9th, 2009 at 2:24 pm](#)

Thanks Chris, your POM snippets work, although HTTP repo browsing does not.
I'm trying to download the Spring-agent Jar via
org.springframework
org.springframework.agent
3.0.0.M3
but this fails, why?

38. Debasish says:

Added on [July 24th, 2009 at 5:46 am](#)

Hi All,
I am having the following issue.
Env: Win XP Prof., Java6
BUILD FAILED

D:\spring-framework\spring-build\multi-bundle\artifact.xml:45: The following error occurred while executing this line:

D:\spring-framework\spring-build\multi-bundle\common.xml:71: The following error occurred while executing this line:

D:\spring-framework\spring-build\common\artifact.xml:40: impossible to publish artifacts for org.springframework#org.springframework.instrument.classloading;working@A4MD09853: java.io.FileNotFoundException: D:\spring-framework\org.springframework.instrument.classloading\..\integration-repo\org.springframework\org.springframework.instrument.classloading\3.0.0.BUILD-20090724104114.part \ org.springframework.instrument.classloading\3.0.0.BUILD-20090724104114.jar (The filename, directory name, or volume label syntax is incorrect)

Thanks,

Debasish

39. Matt Benson says:

Added on [August 28th, 2009 at 10:05 am](#)

FYI I got the wrong Ivy lib problem with having a newer Ivy version installed: actually a build of the latest 2.1.0 prerelease code. I haven't dug in to see whether this can be addressed.

40. Nikhil says:

Added on [September 2nd, 2009 at 3:02 pm](#)

I am getting the following error resulting in BUILD FAILED

Env: STS, Ant 1.7, Win Vista Prof

[junit] Testsuite: org.springframework.beans.factory.config.PropertyPathFactoryBeanTests

[junit] Tests run: 4, Failures: 0, Errors: 0, Time elapsed: 0.06 sec

[junit]

[junit] Testsuite: org.springframework.beans.factory.config.PropertyResourceConfigurerTests

[junit] Tests run: 30, Failures: 0, Errors: 3, Time elapsed: 1.64 sec

[junit]

[junit] ——— Standard Error ———

[junit] 3 Sep, 2009 1:20:10 AM java.util.prefs.WindowsPreferences openKey

[junit] WARNING: Could not open windows registry node Software\JavaSoft\Prefs at root 0x80000002. Windows RegOpenKey(...) returned error code 5.

[junit] 3 Sep, 2009 1:20:11 AM java.util.prefs.WindowsPreferences

[junit] WARNING: Could not create windows registry node Software\JavaSoft\Prefs\my\System/Path at root 0x80000002. Windows RegCreateKeyEx(...) returned error

r code 5.

[junit] 3 Sep, 2009 1:20:11 AM java.util.prefs.WindowsPreferences WindowsReg
OpenKey1

[junit] WARNING: Trying to recreate Windows registry node Software\JavaSoft\
Prefs\my/System/Path at root 0x80000002.

[junit] 3 Sep, 2009 1:20:11 AM java.util.prefs.WindowsPreferences openKey

[junit] WARNING: Could not open windows registry node Software\JavaSoft\Pref
s\my/System/Path at root 0x80000002. Windows RegOpenKey(...) returned error code
2.

[junit] 3 Sep, 2009 1:20:11 AM java.util.prefs.WindowsPreferences WindowsReg
OpenKey1

[junit] WARNING: Trying to recreate Windows registry node Software\JavaSoft\
Prefs\my/System/Path at root 0x80000002.

[junit] 3 Sep, 2009 1:20:11 AM java.util.prefs.WindowsPreferences openKey

[junit] WARNING: Could not open windows registry node Software\JavaSoft\Pref
s\my/System/Path at root 0x80000002. Windows RegOpenKey(...) returned error code
2.

[junit] 3 Sep, 2009 1:20:11 AM java.util.prefs.WindowsPreferences WindowsReg
OpenKey1

[junit] WARNING: Trying to recreate Windows registry node Software\JavaSoft\
Prefs\my/System/Path at root 0x80000002.

[junit] 3 Sep, 2009 1:20:11 AM java.util.prefs.WindowsPreferences openKey

[junit] WARNING: Could not open windows registry node Software\JavaSoft\Pref
s\my/System/Path at root 0x80000002. Windows RegOpenKey(...) returned error code
2.

[junit] 3 Sep, 2009 1:20:11 AM java.util.prefs.WindowsPreferences WindowsReg
OpenKey1

[junit] WARNING: Trying to recreate Windows registry node Software\JavaSoft\
Prefs\my/System/Path at root 0x80000002.

[junit] 3 Sep, 2009 1:20:11 AM java.util.prefs.WindowsPreferences openKey

[junit] WARNING: Could not open windows registry node Software\JavaSoft\Pref
s\my/System/Path at root 0x80000002. Windows RegOpenKey(...) returned error code
2.

[junit] 3 Sep, 2009 1:20:11 AM java.util.prefs.WindowsPreferences WindowsReg
OpenKey1

[junit] WARNING: Trying to recreate Windows registry node Software\JavaSoft\
Prefs\my/System/Path\mypath at root 0x80000002.

[junit] 3 Sep, 2009 1:20:11 AM java.util.prefs.WindowsPreferences openKey

[junit] WARNING: Could not open windows registry node Software\JavaSoft\Pref

s\my\System/Path\mypath at root 0x80000002. Windows RegOpenKey(...) returned error code 2.

[junit] 3 Sep, 2009 1:20:11 AM java.util.prefs.WindowsPreferences WindowsRegOpenKey1

[junit] WARNING: Trying to recreate Windows registry node Software\JavaSoft\Prefs\my\System/Path at root 0x80000002.

[junit] 3 Sep, 2009 1:20:11 AM java.util.prefs.WindowsPreferences openKey

[junit] WARNING: Could not open windows registry node Software\JavaSoft\Prefs\my\System/Path at root 0x80000002. Windows RegOpenKey(...) returned error code 2.

[junit] 3 Sep, 2009 1:20:11 AM java.util.prefs.WindowsPreferences WindowsRegOpenKey1

[junit] WARNING: Trying to recreate Windows registry node Software\JavaSoft\Prefs\my\System/Path\myotherpath at root 0x80000002.

[junit] 3 Sep, 2009 1:20:11 AM java.util.prefs.WindowsPreferences openKey

[junit] WARNING: Could not open windows registry node Software\JavaSoft\Prefs\my\System/Path\myotherpath at root 0x80000002. Windows RegOpenKey(...) returned error code 2.

[junit] 3 Sep, 2009 1:20:11 AM java.util.prefs.WindowsPreferences WindowsRegOpenKey1

[junit] WARNING: Trying to recreate Windows registry node Software\JavaSoft\Prefs\my\System/Path\mypath at root 0x80000002.

[junit] 3 Sep, 2009 1:20:11 AM java.util.prefs.WindowsPreferences openKey

[junit] WARNING: Could not open windows registry node Software\JavaSoft\Prefs\my\System/Path\mypath at root 0x80000002. Windows RegOpenKey(...) returned error code 2.

[junit] _____

[junit] Testcase: testPreferencesPlaceholderConfigurer(org.springframework.beans.factory.config.PropertyResourceConfigurerTests): Caused an ERROR

[junit] Could not open windows registry node Software\JavaSoft\Prefs at root 0x80000002: Access denied

[junit] java.lang.SecurityException: Could not open windows registry node Software\JavaSoft\Prefs at root 0x80000002: Access denied

[junit] at java.util.prefs.WindowsPreferences.openKey(WindowsPreferences.java:496)

[junit] at java.util.prefs.WindowsPreferences.openKey(WindowsPreferences.java:463)

[junit] at java.util.prefs.WindowsPreferences.openKey(WindowsPreferences.java:449)

```
[junit] at java.util.prefs.WindowsPreferences.putSpi(WindowsPreferences.  
java:595)  
[junit] at java.util.prefs.AbstractPreferences.put(AbstractPreferences.j  
ava:234)  
[junit] at org.springframework.beans.factory.config.PropertyResourceConf  
igurerTests.testPreferencesPlaceholderConfigurer(PropertyResourceConfigurerTests  
.java:700)  
[junit]  
[junit]  
[junit] Testcase: testPreferencesPlaceholderConfigurerWithCustomTreePaths(or  
g.springframework.beans.factory.config.PropertyResourceConfigurerTests):  
Caused an ERROR  
[junit] Invalid bean definition with name 'tb' defined in null: Could not re  
solve placeholder 'myName'  
[junit] org.springframework.beans.factory.BeanDefinitionStoreException: Inva  
lid bean definition with name 'tb' defined in null: Could not resolve placeholde  
r 'myName'  
[junit] at org.springframework.beans.factory.config.PropertyPlaceholderC  
onfigurer.processProperties(PropertyPlaceholderConfigurer.java:269)  
[junit] at org.springframework.beans.factory.config.PropertyResourceConf  
igurer.postProcessBeanFactory(PropertyResourceConfigurer.java:75)  
[junit] at org.springframework.beans.factory.config.PropertyResourceConf  
igurerTests.testPreferencesPlaceholderConfigurerWithCustomTreePaths(PropertyReso  
urceConfigurerTests.java:734)  
[junit]  
[junit]  
[junit] Testcase: testPreferencesPlaceholderConfigurerWithPathInPlaceholder(  
org.springframework.beans.factory.config.PropertyResourceConfigurerTests):  
Caused an ERROR  
[junit] Invalid bean definition with name 'tb' defined in null: Could not re  
solve placeholder 'mypath/myName'  
[junit] org.springframework.beans.factory.BeanDefinitionStoreException: Inva  
lid bean definition with name 'tb' defined in null: Could not resolve placeholde  
r 'mypath/myName'  
[junit] at org.springframework.beans.factory.config.PropertyPlaceholderC  
onfigurer.processProperties(PropertyPlaceholderConfigurer.java:269)  
[junit] at org.springframework.beans.factory.config.PropertyResourceConf  
igurer.postProcessBeanFactory(PropertyResourceConfigurer.java:75)  
[junit] at org.springframework.beans.factory.config.PropertyResourceConf
```

ConfigurerTests.testPreferencesPlaceholderConfigurerWithPathInPlaceholder(PropertyRe
sourceConfigurerTests.java:764)

[junit]

[junit]

[subant] Leaving directory: C:\JavaWork\springsource\spring-framework\org.spr
ingframework.beans

BUILD FAILED

C:\JavaWork\springsource\spring-framework\spring-build\multi-bundle\quality.xml:

23: The following error occurred while executing this line:

C:\JavaWork\springsource\spring-framework\spring-build\multi-bundle\common.xml:7

1: The following error occurred while executing this line:

C:\JavaWork\springsource\spring-framework\spring-build\common\quality.xml:36: Th
e following error occurred while executing this line:

C:\JavaWork\springsource\spring-framework\spring-build\common\quality.xml:194: T
ests failed

Total time: 5 minutes 10 seconds

Any Idea, what's happening?

Thanks,

Nikhil

41. Nikhil says:

Added on [September 3rd, 2009 at 2:44 am](#)

Issue Fixed:- I turned off the User Access Control on my Vista OS and the Build was
successful.

After importing the projects just had some minor build path issues, with IVY variables pointing
to non-existing jars [due to version mismatch], which i solved by pointing to the right jars from
the IVY repository. If I remember correctly, those were the groovy, ehcache, jstl, junit jars

Thanks,

Nikhil

42. Graham Zabel says:

Added on [September 10th, 2009 at 4:22 am](#)

What's happening with Spring 3? Everything has gone very quiet. We've been using the
Milestone 3 release in our dev project since May, waiting for an official release, or even an RC.
Can someone supply some timelines or plans for Spring 3?

thanks,

Graham

43. Amitava Shee says:

Added on [October 7th, 2009 at 9:18 am](#)

In case others are having problems building spring from source in macosx leopard (10.5.8) – (see Steve's post above in this thread)

```
[s:javac] 897. ERROR in /Users/yang/work/spring3/spring-  
framework/org.springframework.core/src/main/java/org/springframework/util/xml/XMLEventStr  
eamReader.java (at line 213)
```

```
[s:javac] private Attribute getAttribute(int index) {
```

```
[s:javac] ^^^^^^^^^
```

```
[s:javac] Attribute cannot be resolved to a type
```

Setting JAVA_HOME explicitly resolves the problem. See below

```
export JAVA_HOME=/System/Library/Frameworks/JavaVM.framework/Versions/1.6/Home
```

I ran into PermGen issue as noted above and as suggested by Chris Beams above, used the following

```
alias ant="ANT_OPTS='-XX:MaxPermSize=1024m -Xmx1024m' ant -Dtest.vm.args='-  
XX:MaxPermSize=512m -Xmx1024m' -Dcompiler.args='-enableJavadoc -warn:none'"
```

44. Eric J. Van der Velden says:

Added on [October 17th, 2009 at 1:55 am](#)

Hi,

I did

```
$ svn co https://src.springsource.org/svn/spring-framework/tags/spring-framework-3.0.0.RC1  
spring-framework
```

```
$ pwd
```

```
.../spring-framework/build-spring-framework
```

```
$ ant
```

I got

```
.../spring-framework/spring-build/common/common.xml:91: java.lang.OutOfMemoryError:
```

```
PermGen space
```

What should I do?

Thanks.

45. Chris Beams says:

Added on [October 17th, 2009 at 1:57 am](#)

Hi Eric,

Search through the comments above, and you'll find a number of places where folks mention setting ANT_OPTS to solve this problem.

Regards,

- Chris

46. Eric J. Van der Velden says:

Added on [October 17th, 2009 at 7:31 am](#)

Hi Chris,

It works, thanks. Now I have another problem. I have done okay

```
ANT_OPTS="..." ant publish-maven-local
```

Now I want to use this to run Graig Wall's hello world. So I did

```
$ vi pom.xml
```

```
3.0.0.RC1
```

```
org.springframework
```

```
org.springframework.core
```

```
${spring.version}
```

```
compile
```

```
...
```

Now I do

```
$ mvn install
```

Missing:

```
_____
```

```
1) org.apache.commons:com.springsource.org.apache.commons.logging:jar:1.1.1
```

Where does this com.springsource comes from?

And how do I know which dependencies from spring I have to add?

I hope it is not too long. Thanks.

47. Chris Beams (blog author) says:

Added on [October 17th, 2009 at 5:22 pm](#)

Eric,

If you're simply looking to compile against the latest in Spring 3, please keep in mind you can just grab the binaries from Maven; there is no need to actually build the sources yourself.

Just add the following to your pom.xml:

```
<dependency>
```

```
<groupId>org.springframework</groupId>
```

```
<artifactId>org.springframework.context</artifactId>
```

```
<version>3.0.0.BUILD-SNAPSHOT</version>
```

```
</dependency>
```

```
...
```

```
<repositories>
```

```

<repository>
<id>com.springsource.repository.bundles.snapshot</id>
<name>SpringSource Enterprise Bundle Repository -
SpringSource Snapshot Releases</name>
<url>http://repository.springsource.com/maven/bundles/snapshots</url>>
</repository>
<repository>
<id>com.springsource.repository.bundles.milestone</id>
<name>SpringSource Enterprise Bundle Repository -
SpringSource Milestone Releases</name>
<url>http://repository.springsource.com/maven/bundles/milestones</url>>
</repository>
<repository>
<id>com.springsource.repository.bundles.external</id>
<name>SpringSource Enterprise Bundle Repository - External
Releases</name>
<url>http://repository.springsource.com/maven/bundles/external</url>>
</repository>
</repositories>

```

48. Eric J. Van der Velden says:

Added on [October 18th, 2009 at 12:44 pm](#)

Hi Chris,

Thanks again, it works. The mistake I had made was that I didn't had included the three repositories. Because when I did

```
$ mvn publish-maven-local
```

in ~/.m2/repository there appeared the pom file org.springframework.core-3.0.0.RC1.pom with a dependency with artifactId com.springsource.org.apache.commons.logging .

I thought this was wrong because of com.springsource namespace, but it is okay. Now I can start studying spring by going through the source code with a debugger.

49. fangzx says:

Added on [October 23rd, 2009 at 9:16 pm](#)

BUILD FAILED!

I build from trunk spring source:

test.do:

[mkdir] Created dir: D:\nextdoc\java\spring-framework_trunk\org.springframework.core\target\test-classes

[s:javac] Compiling 84 source files to D:\nextdoc\java\spring-framework_trunk\org.springframework.core\target\test-classes

[copy] Copying 4 files to D:\nextdoc\java\spring-framework_trunk\org.springframework.core\target\test-classes

[junit] Error occurred during initialization of VM

[junit] Could not create the Java virtual machine.

[junit] Could not reserve enough space for object heap

[subant] Leaving directory: D:\nextdoc\java\spring-framework_trunk\org.springframework.core

BUILD FAILED

50. jtreg says:

Added on [November 11th, 2009 at 11:50 am](#)

Hi, its all built with ant successfully but I still get some errors following the import into Eclipse. I did get more errors before I did 'clean' in Eclipse. Now I get 35 errors they appear to be missing some jars , here is the first one for example:

Description Resource Path Location Type

Project 'org.springframework.integration-tests' is missing required library:

/home/james/springdevelop/spring-framework/ivy-

cache/repository/org.apache.openjpa/com.springsource.org.apache.openjpa.java5/1.0.2/com.springsource.org.apache.openjpa.java5-1.0.2.jar' org.springframework.integration-tests Build

path Build Path Problem

anyone?

51. Qunhuan Mei says:

Added on [December 15th, 2009 at 7:36 am](#)

My machine: Win XP Pro. Java6. Ant 1.7. 2G Memory (with about 1.5 G available at run time)

Hi, I hit the following error when building STS from the trunk:

artefact.xml:45: ...

common.xml:71:...

java.lang.OutOfMemoryError: PermGen space

Total time: 27 minutes ...

I guess this is because the memory for PermGen specified in build.properties file is too small:

javadoc.max.memory=256M

test.vm.args=-Xmx1024M -XX:MaxPermSize=512M -XX: HeapDumpOnOutOfMemoryError
therefore I increased MaxPermSize from 512M to 1024, 1536, 2048, 4096 respectively, but
each ends with the same error.

I also tried reducing the other memory size when I increase the MaxPermSize, such as this:
javadoc.max.memory=128M

test.vm.args=-Xmx256M -XX:MaxPermSize=4096M -XX: HeapDumpOnOutOfMemoryError
But still ends with exactly the same problem

I was wondering if anyone has successfully built the STS from source trunk under windows XP
with 2G memory.

Could anyone suggest any clue or give any tip on my problem please?

52. Chris Beams says:

Added on [December 15th, 2009 at 1:24 pm](#)

@Qunhuan – make sure you've set ANT_OPTS properly to increase the VM size.

See <http://blog.springsource.com/2009/03/03/building-spring-3/#comment-165987>

53. Qunhuan Mei says:

Added on [December 17th, 2009 at 10:42 am](#)

Hi Chris,

Thank you so much for your help!

After some more tries, I eventually see this "BUILD SUCCESSFUL" on my Windows XP
machine.

Here is the setting I used (My machine has 2G memory with 1.5G available at run-time):

1. Environmental variable (set for PermSize):

ANT_OPTS=-XX:MaxPermSize=256m -Xmx512m

2. Changed 2 memory related lines from build.properties file to increase the memory heap for
test vm:

javadoc.max.memory=128M

test.vm.args=-Xmx768M -XX:MaxPermSize=512M -XX: HeapDumpOnOutOfMemoryError

Then after 45minutes of building and testing. I saw the following:

"BUILD SUCCESSFUL"

54. hantsy says:

Added on [December 22nd, 2009 at 8:25 am](#)

Build failed for 3.0.0 RELEASE.

BUILD FAILED

/home/hantsy/Source/spring-framework/spring-build/multi-bundle/artifact.xml:45: The following
error occurred while executing this line:

/home/hantsy/Source/spring-framework/spring-build/multi-bundle/common.xml:71: The

following error occurred while executing this line:

```
/home/hantsy/Source/spring-framework/spring-build/common/common.xml:91: impossible to
configure ivy:settings with given file: /home/hantsy/Source/spring-framework/spring-
build/common/ivysettings.xml : java.text.ParseException: failed to load settings from
file:/home/hantsy/Source/spring-framework/spring-build/common/ivysettings.xml: impossible to
define new type: class not found: org.springframework.aws.ivy.S3Resolver in [] nor Ivy
classloader
```

Total time: 4 seconds

55. Jin Chun says:

Added on [January 6th, 2010 at 7:50 pm](#)

@Qunhuan: thanks for posting your solution, did the trick for me



cheers!

56. Yang Gu says:

Added on [January 14th, 2010 at 10:10 am](#)

It's crazy, the maven2 build system was not support again within spring 3 and current can't build with maven2. I remember maven2 work good with the initial version of spring3. It take me so long time to build spring3 with ant and finally I have to cancel it. If I may, I strong suggest provide maven2 support for the spring build system.

57. Harish says:

Added on [February 10th, 2010 at 5:49 pm](#)

I was able to build using ant in 22 minutes on Mac OS X Snow Leopard (10.6.2). I received OutOfMemory errors initially. I resolved it using the below command.

```
alias ant="ANT_OPTS='-XX:MaxPermSize=1024m -Xmx1024m' ant -Dtest.vm.args='-
XX:MaxPermSize=512m -Xmx1024m' -Dcompiler.args='-enableJavadoc -warn:none'"
```

58. Bob Lauer says:

Added on [March 3rd, 2010 at 2:41 am](#)

... I have just downloaded the source release, and it seems that the bootstrap ant script that builds the whole source tree is not bundled with that release. Do I have to check out Spring from Subversion in order to build it? Or is there a "shortcut" to build all the ivy packages in the source release?

Cheers,

Robert.

59. Chris Beams (blog author) says:

Added on [March 3rd, 2010 at 9:13 am](#)

Hi Bob,

Just so we're on the same page, what exactly did you download? From where?

Checking out from svn will certainly work, but you should be able to build the source dist, too.

Let me know, thanks.

60. Bob Lauer says:

Added on [March 3rd, 2010 at 9:21 am](#)

@Chris: I downloaded the "... with-dependencies" package from

<http://www.springsource.com/download/community?project=Spring> Framework

(on some page that I cannot find right now it said that the "... with-dependencies" should contain the source code and everything you need).

61. Chris Beams (blog author) says:

Added on [March 3rd, 2010 at 1:22 pm](#)

Bob,

Sorry for the confusion. Starting with Spring 3.0, there is no longer a complete 'with source and dependencies' distribution. There is simply the core zip file containing all Spring jars, and then the '-dependencies' zip containing all third-party dependencies. Thus, no ant buildfiles, etc. If you'd like to build the release from source, simply follow the instructions above, substituting the repository url with <https://src.springframework.org/svn/spring-framework/tags/spring-framework-3.0.1.RELEASE-A>

62. Evgeny says:

Added on [March 30th, 2010 at 6:13 pm](#)

@Chris Beams:

I got BUILD FAILED

BUILD FAILED

C:\apache\spring\projects\spring-build\multi-bundle\artifact.xml:45: The following error occurred while executing this line:

C:\apache\spring\projects\spring-build\multi-bundle\common.xml:71: The following error occurred while executing this line:

C:\apache\spring\projects\spring-build\common\artifact.xml:42: impossible to publish artifacts for org.springframework#org.springframework.instrument.tomcat;working@dell2006:
java.io.FileNotFoundException:

C:\apache\spring\projects\org.springframework.instrument.tomcat\..\integration-repo\org.springframework\org.springframework.instrument.tomcat\3.0.1.BUILD-20100330225932.part\org.springframework.

instrument.tomcat-sources-3.0.1.BUILD-20100330225932.jar

Env: WinXP, Java6. SPRING FRAMEWORK 3.0.1 (February 2010)

Could you help?

Thank you.

63. panyuwu says:

Added on [April 10th, 2010 at 10:05 am](#)

It's crazy,I was able to build using ant in 22 minutes on win 7 ,..

bundlor:

Bundlor Warnings:

: The import of package org.springframework.model.alert does not specify a version.

: The import of package org.springframework.model.alert.support does not specify a version.

: The import of package org.springframework.model.ui does not specify a version.

[subant] Leaving directory: D:\data\down\dapan\spring\branches\binding\org.springframework.web.servlet

BUILD FAILED

D:\data\down\dapan\spring\branches\binding\spring-build\multi-bundle\artifact.xml

1:45: The following error occurred while executing this line:

D:\data\down\dapan\spring\branches\binding\spring-build\multi-bundle\common.xml:

71: The following error occurred while executing this line:

D:\data\down\dapan\spring\branches\binding\spring-build\common\artifact.xml:38:

The following error occurred while executing this line:

D:\data\down\dapan\spring\branches\binding\spring-build\common\artifact.xml:79:

Bundle transformer returned warnings. Please fix manifest template at 'D:\data\down\dapan\spring\branches\binding\org.springframework.web.servlet\template.mf' and try again.

Could you help?

Thank you.

64. Despot says:

Added on [April 18th, 2010 at 11:06 am](#)

Hi Chris,

After compiling classes and testing for a long time got BUILD FAILED:

[junit] Tests run: 15, Failures: 1, Errors: 0, Time elapsed: 1,25 sec

[junit]

[junit] Testcase: fixedDelayFirstExecution(org.springframework.scheduling.su

```
pport.PeriodicTriggerTests): FAILED
[junit] difference exceeds threshold: 109
[junit] junit.framework.AssertionFailedError: difference exceeds threshold: 109
[junit] at org.springframework.scheduling.support.PeriodicTriggerTests.a
ssertNegligibleDifference(PeriodicTriggerTests.java:211)
[junit] at org.springframework.scheduling.support.PeriodicTriggerTests.f
ixedDelayFirstExecution(PeriodicTriggerTests.java:42)
[junit]
[junit]
[subant] Leaving directory: F:\DEVELOPMENT\spring-framework\org.springframework.context
BUILD FAILED
F:\DEVELOPMENT\spring-framework\spring-build\multi-bundle\quality.xml:28
: The following error occurred while executing this line:
F:\DEVELOPMENT\spring-framework\spring-build\multi-bundle\common.xml:71:
The following error occurred while executing this line:
F:\DEVELOPMENT\spring-framework\spring-build\common\quality.xml:53: The
following error occurred while executing this line:
F:\DEVELOPMENT\spring-framework\spring-build\common\quality.xml:223: Tes
ts failed
Total time: 163 minutes 12 seconds
```

I ran into the previous problems with the space, but I fixed those. I was trying to find something on the net for this one (junit.framework.AssertionFailedError: difference exceeds threshold: 109), but no luck. So hopefully someone has some info on this issue.

I was doing the build on Windows XP 1GB Ram and I checked the latest from trunk which I think was Spring 3.0.3.

Thanks for the instructions,

Despot

65. Isk says:

Added on [May 12th, 2010 at 1:18 am](#)

hi Chris:

I built spring3 SUCCESSFUL.

and when I import all projects into Eclipse , i got some errors like this:

Project 'org.springframework.integration-tests' is missing required library:

'D:\projects\spring\spring-3.0.2.RELEASE\ivy-

cache\repository\com.sun.enterprise\com.springsource.com.sun.enterprise.loader\1.0.0\com.springsource.com.sun.enterprise.loader-1.0.0.jar'

Project 'org.springframework.integration-tests' is missing required library:

'D:\projects\spring\spring-3.0.2.RELEASE\ivy-cache\repository\org.apache.commons\com.springsource.org.apache.commons.pool\1.4.0\com.springsource.org.apache.commons.pool-1.4.0.jar'
Project 'org.springframework.orm' is missing required library: 'D:\projects\spring\spring-3.0.2.RELEASE\ivy-cache\repository\org.aspectj\com.springsource.org.aspectj.weaver\1.6.5.RELEASE\com.springsource.org.aspectj.weaver-1.6.5.RELEASE.jar'
can you help ?

66. Sergio says:

Added on [May 18th, 2010 at 2:02 am](#)

svn: Your .svn/tmp directory may be missing or corrupt; run 'svn cleanup' and try again
svn: Can't open file 'spring-framework\org.springframework.test\src\test\java\org\springframework\test\context\configuration\svn\tmp\text-base\ContextConfigurationWithPropertiesExtendingPropertiesAndInheritedLoaderTests.java.svn-base': The system cannot find the path specified.

67. jacky.leng says:

Added on [August 29th, 2010 at 8:18 pm](#)

At first,I had got the same error with "common.xml:91: java.lang.OutOfMemoryError: PermGen space",then i succeeded to fix it with poster's comments: "set ANT_OPTS=-XX:MaxPermSize=128m -Xmx256m", (windows platform) it can run now, but it seems test failed, error information below:
[junit] Tests run: 7, Failures: 0, Errors: 0, Time elapsed: 0.015 sec
[junit]
[junit] Testsuite: org.springframework.web.servlet.resource.ResourceHttpRequestHandlerTests
[junit] Tests run: 12, Failures: 1, Errors: 0, Time elapsed: 0.016 sec
[junit]
[junit] Testcase:
modified(org.springframework.web.servlet.resource.ResourceHttpRequestHandlerTests): FAILED
[junit] expected: but was:
[junit] junit.framework.AssertionFailedError: expected: but was:
[junit] at
org.springframework.web.servlet.resource.ResourceHttpRequestHandlerTests.modified
(ResourceHttpRequestHandlerTests.java:141)
[junit]

[junit]

[subant] Leaving directory: D:\dev-area\projects\spring-framework\org.springframework.web.servlet

BUILD FAILED

D:\dev-area\projects\spring-framework\spring-build\multi-bundle\quality.xml:43: The following error

occurred while executing this line:

D:\dev-area\projects\spring-framework\spring-build\multi-bundle\common.xml:86: The following error o

ccurred while executing this line:

D:\dev-area\projects\spring-framework\spring-build\common\quality.xml:68: The following error occur

ed while executing this line:

D:\dev-area\projects\spring-framework\spring-build\common\quality.xml:238: Tests failed

Total time: 5 minutes 29 seconds

anybody knows? thanks!

68. jacky.leng says:

Added on [August 29th, 2010 at 8:25 pm](#)

follow up

ps. springframework GA 3.0.4 and 3.0.5 RC.

69. Nabeel Ali Memon says:

Added on [November 22nd, 2010 at 1:54 pm](#)

I checked out trunk from the svn repo and found that the entire "spring-build" folder is missing.

Thus my build fails. Has anyone else noticed this too?

70. Nabeel Ali Memon says:

Added on [November 24th, 2010 at 6:45 am](#)

Ok that was an issue due to svn:externals and i was using git-svn so... I had to checkout svn repo too and then symlinked spring-build folder from svn copy to git-svn copy.

Thanks to Chris (@cbeams on twitter).

71. E H says:

Added on [November 26th, 2010 at 5:29 am](#)

Is there an ant command to skip all the tests? Running the tests is taking a long time in my computer, and I just want to skip the tests overall.

72. Chris Beams (blog author) says:

Added on [November 29th, 2010 at 3:09 am](#)

You can simply run `ant jar` if you only wish to build and package. Tests will not be run. Also, `ant install-maven` will install those jars into your local .m2 cache.

73. Peter Fu says:

Added on [January 4th, 2011 at 4:18 pm](#)

I'm making a build using the source code attached in spring-framework-3.0.5.RELEASE. But get a failure message as below.

```
[junit] Testsuite: org.springframework.jmx.access.RemoteMBeanClientIntercept
orTests
```

```
[junit] Tests run: 1, Failures: 0, Errors: 1, Time elapsed: 0,011 sec
```

```
[junit]
```

```
[junit] Testcase: testProxyClassIsDifferent(org.springframework.jmx.access.R
emoteMBeanClientInterceptorTests): Caused an ERROR
```

```
[junit] Unsupported protocol: jmxmp
```

```
[junit] java.net.MalformedURLException: Unsupported protocol: jmxmp
```

```
[junit] at javax.management.remote.JMXConnectorServerFactory.newJMXConne
ctorServer(JMXConnectorServerFactory.java:323)
```

```
[junit] at org.springframework.jmx.access.RemoteMBeanClientInterceptorTe
sts.onSetUp(RemoteMBeanClientInterceptorTests.java:45)
```

```
[junit] at org.springframework.jmx.AbstractMBeanServerTests.setUp(Abstra
ctMBeanServerTests.java:40)
```

```
[junit]
```

```
[junit]
```

```
[subant] Leaving directory: D:\springsource\spring-framework-3.0.5.RELEASE\pr
jects\org.springframework.context
```

BUILD FAILED

```
D:\springsource\spring-framework-3.0.5.RELEASE\projects\spring-build\multi-bundl
e\quality.xml:43: The following error occurred while executing this line:
```

```
D:\springsource\spring-framework-3.0.5.RELEASE\projects\spring-build\multi-bundl
e\common.xml:86: The following error occurred while executing this line:
```

```
D:\springsource\spring-framework-3.0.5.RELEASE\projects\spring-build\common\qual
ity.xml:68: The following error occurred while executing this line:
```

```
D:\springsource\spring-framework-3.0.5.RELEASE\projects\spring-build\common\qual
ity.xml:238: Tests failed
```

Total time: 3 minutes 49 seconds

Environment:

Windows 7 Home Premium

JDK 1.6.0_23 (x64)

Ant 1.8.2

ANT_OPTS=-Xms512m -Xmx1024m -XX:PermSize=256m -XX:MaxPermSize=256m

Hoping get some hope on come over this error.

Thanks,

Peter

74. Razi says:

Added on [January 10th, 2011 at 5:43 pm](#)

I have a question regarding an error that I am receiving building the source tree checked out by the following command:

```
svn co -r HEAD https://src.springframework.org/svn/spring-framework/trunk spring-framework
```

Build Project failed on module org.springframework.core

Error (More than 80 errors from org.springframework.core referencing org.springframework.asm

1st error message:

1. ERROR in /home/razi/Development/spring-framework/org.springframework.core/src/main/java/org/springframework/core/LocalVariableTableParameterNameDiscoverer.java (at line 31)

```
[s:javac] import org.springframework.asm.ClassReader;
```

Please be gentle this is my first attempt at building spring...

75. Diego Martins says:

Added on [February 4th, 2011 at 8:40 am](#)

I had a problem building spring. I couldn't download anything of spring repository using the ant build (that uses ivy and jets3t) because I'm behind a http proxy.

The solution was update the jets3t properties file and change the configuration for proxy based on this document: <http://jets3t.s3.amazonaws.com/toolkit/configuration.html#jets3t>

The configuration file for this is at {spring-framework-trunk}/spring-build/lib/ivy/jets3t.properties.

My final archive is:

```
# Copyright 2010 SpringSource
```

```
#
```

```
# Licensed under the Apache License, Version 2.0 (the "License");
```

```
# you may not use this file except in compliance with the License.
```

```
# You may obtain a copy of the License at
```

```
#
```

```
# http://www.apache.org/licenses/LICENSE-2.0
```

```
#
```

```
# Unless required by applicable law or agreed to in writing, software
```

```
# distributed under the License is distributed on an "AS IS" BASIS,
```


WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.
JetS3t Configuration Properties
A full description of all configuration properties can be found at
<http://jets3t.s3.amazonaws.com/toolkit/configuration.html>
Proxy configuration
httpClient.proxy-autodetect=false
httpClient.proxy-host=yourproxy.something
httpClient.proxy-port=theproxyport
httpClient.proxy-user=theproxyusername (if necessary)
httpClient.proxy-password=theproxy password (if necessary)
#httpClient.proxy-domain=
At last, remember to set the httpClient.proxy-autodetect to 'false', because the defaults is 'true'
and when 'true', ignores the rest of the configuration.
Cheers.

76. Diego Martins says:

Added on [February 4th, 2011 at 8:56 am](#)

if you have any problem while downloading ivy dependencies, use
3browse.springsource.com/browse/
I find problems while downloading com.springsource.util.osgi and
com.springsource.bundlor.ant.
Cheers

77. logui says:

Added on [February 18th, 2011 at 7:44 pm](#)

Chris,
I'm getting an error trying to debug spring-mvc code.
I'm getting a javax.servlet.http.HttpServlet ClassNotFoundException when trying to start
tomcat 6 in spring STS. See here (<http://forum.springsource.org/showthread.php?t=103780>).
Please, if you know what I'm doing wrong, let me know.
Thanks

78. Kai.Li says:

Added on [March 3rd, 2011 at 9:53 am](#)

When i import spring source into my eclipse,my elclipse warn me
"org.springframework.xml.jaxb.test.FlightType"
"org.springframework.xml.jaxb.test.Flight"

79. xm says:

Added on [March 15th, 2011 at 10:30 pm](#)

```
[junit] Testsuite: org.springframework.core.env.EnvironmentTests
[junit] Tests run: 13, Failures: 1, Errors: 0, Time elapsed: 0.047 sec
[junit]
[junit] Testcase:
getSystemEnvironment_withAndWithoutSecurityManager(org.springframework.core.env.EnvironmentTests
FAILED
[junit]
[junit] Expected: "42"
[junit] got: null
[junit]
[junit] junit.framework.AssertionFailedError:
[junit] Expected: "42"
[junit] got: null
[junit]
[junit] at
org.springframework.core.env.EnvironmentTests.getSystemEnvironment_withAndWithoutSecurityManager(EnvironmentTests.java:263)
[junit]
[junit]
[subant] Leaving directory: E:\spring-framework\org.springframework.core
BUILD FAILED
E:\spring-framework\spring-build\multi-bundle\quality.xml:43: The following error occurred
while executing this line:
E:\spring-framework\spring-build\multi-bundle\common.xml:86: The following error occurred
while executing this line:
E:\spring-framework\spring-build\common\quality.xml:68: The following error occurred while
executing this line:
E:\spring-framework\spring-build\common\quality.xml:238: Tests failed
```

80. crimson says:

Added on [March 21st, 2011 at 2:48 am](#)

```
I'm making a build in spring-framework-3.0.5.RELEASE...
build is not success...
[junit] Testcase: testProxyClassIsDifferent(org.springframework.jmx.access.R
```

emoteMBeanClientInterceptorTests): Caused an ERROR

[junit] Unsupported protocol: jmxmp

ant version : ant-1.8.2

thanks....

81. Pandharinath says:

Added on [March 26th, 2011 at 2:12 pm](#)

Hi,

i am trying to build spring 3. But getting following error

framework/org.springframework.core/src/main/java/org/springframework/core/LocalVariableTableParameterNameDiscoverer.java (at line 31)

[s:javac] import org.springframework.asm.ClassReader;

I observed following things..

i have apache-ant and maven on my machine and have it in classpath but it gives above error at time of building..

when i give ant and maven path from SPRING STS installation folder in classpath it works

can anybody explain ? Thanks in advance

82. Chris Beams (blog author) says:

Added on [March 28th, 2011 at 12:28 am](#)

@Pandharinath – this is not enough information to diagnose your problem. Take a look at this forum post and associated JIRA issue to get an idea of what it takes.

<http://forum.springsource.org/showthread.php?t=91353&goto=newpost>

<https://jira.springsource.org/browse/SPR-8078>

83. Mahesh says:

Added on [April 3rd, 2011 at 5:55 pm](#)

Please help. I get build failed error. The configuration is as follows.

JDK1.6.0_24

C:\spring-framework-3.0.0.RC2

apache-ant-1.8.2

derConfigurerTests

[junit] Tests run: 10, Failures: 1, Errors: 2, Time elapsed: 0.11 sec

[junit]

[junit] Testcase: resolveFromSystemProperties(org.springframework.beans.factory.config.PropertyPlaceholderConfigurerTests): Caused an ERROR

[junit] Invalid bean definition with name 'test.beans.TestBean#0' defined in null: Could not resolve placeholder 'otherKey'

[junit] org.springframework.beans.factory.BeanDefinitionStoreException: Inva

lid bean definition with name 'test.beans.TestBean#0' defined in null: Could not resolve placeholder 'otherKey'

[junit] at org.springframework.beans.factory.config.PlaceholderConfigurerSupport.doProcessProperties(PlaceholderConfigurerSupport.java:209)

[junit] at org.springframework.beans.factory.config.PropertyPlaceholderConfigurer.processProperties(PropertyPlaceholderConfigurer.java:220)

[junit] at org.springframework.beans.factory.config.PropertyResourceConfigurer.postProcessBeanFactory(PropertyResourceConfigurer.java:84)

[junit] at org.springframework.beans.factory.config.PropertyPlaceholderConfigurerTests.resolveFromSystemProperties(PropertyPlaceholderConfigurerTests.java:108)

[junit]

[junit]

[junit] Testcase: setSystemSystemPropertiesMode_toOverride_andResolveFromSystemEnvironment(org.springframework.beans.factory.config.PropertyPlaceholderConfigurerTests): FAILED

[junit]

[junit] Expected: "p1SystemEnvVal"

[junit] got: "p1LocalPropsVal"

[junit]

[junit] junit.framework.AssertionFailedError:

[junit] Expected: "p1SystemEnvVal"

[junit] got: "p1LocalPropsVal"

[junit]

[junit] at org.springframework.beans.factory.config.PropertyPlaceholderConfigurerTests.setSystemSystemPropertiesMode_toOverride_andResolveFromSystemEnvironment(PropertyPlaceholderConfigurerTests.java:148)

[junit]

[junit]

[junit] Testcase: nullValuesPreserved(org.springframework.beans.factory.config.PropertyPlaceholderConfigurerTests): Caused an ERROR

[junit] Invalid bean definition with name 'testBean' defined in null: Could not resolve placeholder 'my.name'

[junit] org.springframework.beans.factory.BeanDefinitionStoreException: Invalid bean definition with name 'testBean' defined in null: Could not resolve placeholder 'my.name'

[junit] at org.springframework.beans.factory.config.PlaceholderConfigurerSupport.doProcessProperties(PlaceholderConfigurerSupport.java:209)

[junit] at org.springframework.beans.factory.config.PropertyPlaceholderC

```
onfigurer.processProperties(PropertyPlaceholderConfigurer.java:220)
[junit] at org.springframework.beans.factory.config.PropertyResourceConf
igurer.postProcessBeanFactory(PropertyResourceConfigurer.java:84)
[junit] at org.springframework.beans.factory.config.PropertyPlaceholderC
onfigurerTests.nullValuesPreserved(PropertyPlaceholderConfigurerTests.java:241)
[junit]
[junit]
[subant] Leaving directory: C:\spring-framework-3.0.0.RC2\spring-framework\or
g.springframework.beans
```

BUILD FAILED

```
C:\spring-framework-3.0.0.RC2\spring-framework\spring-build\multi-bundle\quality
.xml:43: The following error occurred while executing this line:
C:\spring-framework-3.0.0.RC2\spring-framework\spring-build\multi-bundle\common.
xml:86: The following error occurred while executing this line:
C:\spring-framework-3.0.0.RC2\spring-framework\spring-build\common\quality.xml:6
8: The following error occurred while executing this line:
C:\spring-framework-3.0.0.RC2\spring-framework\spring-build\common\quality.xml:2
38: Tests failed
```

Total time: 6 minutes 17 seconds

84. auf421 says:

Added on [April 8th, 2011 at 5:16 am](#)

Hi,

I am trying to build spring-framework-3.0.5.RELEASE. But getting following error

BUILD FAILED

```
E:\spring-framework\spring-build\multi-bundle\artifact.xml:60: The following err
or occurred while executing this line:
E:\spring-framework\spring-build\multi-bundle\common.xml:86: The following error
occurred while executing this line:
E:\spring-framework\org.springframework.asm\build.xml:33: The following error oc
curred while executing this line:
E:\spring-framework\org.springframework.asm\build.xml:53: java.lang.NoSuchMethod
Error: org.objectweb.asm.ClassReader.accept(Lorg/objectweb/asm/ClassVisitor;I)V
at com.springsource.bundlor.support.asm.AsmTypeArtefactAnalyser.analyse(
AsmTypeArtefactAnalyser.java:43)
at com.springsource.bundlor.support.StandardManifestGenerator.analyzeEnt
ry(StandardManifestGenerator.java:116)
at com.springsource.bundlor.support.StandardManifestGenerator.analyzeEnt
ries(StandardManifestGenerator.java:101)
```

at com.springsource.bundlor.support.StandardManifestGenerator.generate(StandardManifestGenerator.java:66)
at com.springsource.bundlor.ant.internal.AntBundlorExecutor.execute(AntBundlorExecutor.java:73)
at com.springsource.bundlor.ant.Bundlor.execute(Bundlor.java:106)
at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:39)
at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:25)
at java.lang.reflect.Method.invoke(Method.java:597)
at org.apache.tools.ant.dispatch.DispatchUtils.execute(DispatchUtils.java:106)
at org.apache.tools.ant.TaskAdapter.execute(TaskAdapter.java:154)
at org.apache.tools.ant.UnknownElement.execute(UnknownElement.java:291)
at sun.reflect.GeneratedMethodAccessor6.invoke(Unknown Source)
at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:25)
at java.lang.reflect.Method.invoke(Method.java:597)
at org.apache.tools.ant.dispatch.DispatchUtils.execute(DispatchUtils.java:106)
at org.apache.tools.ant.Task.perform(Task.java:348)
at org.apache.tools.ant.Target.execute(Target.java:390)
at org.apache.tools.ant.Target.performTasks(Target.java:411)
at org.apache.tools.ant.Project.executeSortedTargets(Project.java:1399)
at org.apache.tools.ant.helper.SingleCheckExecutor.executeTargets(SingleCheckExecutor.java:38)
at org.apache.tools.ant.Project.executeTargets(Project.java:1251)
at org.apache.tools.ant.taskdefs.Ant.execute(Ant.java:442)
at org.apache.tools.ant.taskdefs.CallTarget.execute(CallTarget.java:105)
at org.apache.tools.ant.UnknownElement.execute(UnknownElement.java:291)
at sun.reflect.GeneratedMethodAccessor6.invoke(Unknown Source)
at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:25)
at java.lang.reflect.Method.invoke(Method.java:597)
at org.apache.tools.ant.dispatch.DispatchUtils.execute(DispatchUtils.java:106)
at org.apache.tools.ant.Task.perform(Task.java:348)
at org.apache.tools.ant.Target.execute(Target.java:390)

```
at org.apache.tools.ant.Target.performTasks(Target.java:411)
at org.apache.tools.ant.Project.executeSortedTargets(Project.java:1399)
at org.apache.tools.ant.helper.SingleCheckExecutor.executeTargets(Single
CheckExecutor.java:38)
at org.apache.tools.ant.Project.executeTargets(Project.java:1251)
at org.apache.tools.ant.taskdefs.Ant.execute(Ant.java:442)
at org.apache.tools.ant.taskdefs.SubAnt.execute(SubAnt.java:302)
at org.apache.tools.ant.taskdefs.SubAnt.execute(SubAnt.java:221)
at org.apache.tools.ant.UnknownElement.execute(UnknownElement.java:291)
at sun.reflect.GeneratedMethodAccessor6.invoke(Unknown Source)
at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAcces
sorImpl.java:25)
at java.lang.reflect.Method.invoke(Method.java:597)
at org.apache.tools.ant.dispatch.DispatchUtils.execute(DispatchUtils.jav
a:106)
at org.apache.tools.ant.Task.perform(Task.java:348)
at org.apache.tools.ant.taskdefs.Sequential.execute(Sequential.java:68)
at org.apache.tools.ant.UnknownElement.execute(UnknownElement.java:291)
at sun.reflect.GeneratedMethodAccessor6.invoke(Unknown Source)
at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAcces
sorImpl.java:25)
at java.lang.reflect.Method.invoke(Method.java:597)
at org.apache.tools.ant.dispatch.DispatchUtils.execute(DispatchUtils.jav
a:106)
at org.apache.tools.ant.Task.perform(Task.java:348)
at org.apache.tools.ant.taskdefs.MacroInstance.execute(MacroInstance.jav
a:398)
```

85. reddog says:

Added on [April 10th, 2011 at 12:51 am](#)

when building spring, one test case failed.

Do you know what's wrong with that?

[junit] Tests run: 1, Failures: 0, Errors: 0, Time elapsed: 0.047 sec

[junit]

[junit] Testsuite: org.springframework.core.env.EnvironmentTests

[junit] Tests run: 13, Failures: 1, Errors: 0, Time elapsed: 0.063 sec

[junit]

[junit] Testcase: getSystemEnvironment_withAndWithoutSecurityManager(org.spr
ingframework.core.env.EnvironmentTests): FAILED

```
[junit]
[junit] Expected: "42"
[junit] got: null
[junit]
[junit] junit.framework.AssertionFailedError:
[junit] Expected: "42"
[junit] got: null
[junit]
[junit] at org.springframework.core.env.EnvironmentTests.getSystemEnviro
nment_withAndWithoutSecurityManager(EnvironmentTests.java:264)
[junit]
[junit]
[subant] Leaving directory: E:\产品\Spring\springcore\org.springframework.cor
e
BUILD FAILED
E:\产品\Spring\springcore\spring-build\multi-bundle\quality.xml:43: The fol
g error occurred while executing this line:
E:\产品\Spring\springcore\spring-build\multi-bundle\common.xml:86: The foll
error occurred while executing this line:
E:\产品\Spring\springcore\spring-build\common\quality.xml:68: The following
r occurred while executing this line:
E:\产品\Spring\springcore\spring-build\common\quality.xml:238: Tests failed
```

86. Chris Beams (blog author) says:

Added on [April 12th, 2011 at 8:51 pm](#)

@reddog: this is a known issue on Windows, but not yet resolved.
Watch <https://jira.springsource.org/browse/SPR-8245> to be notified of resolution. In the
meantime, @Ignore that test.

87. reddog says:

Added on [April 12th, 2011 at 9:35 pm](#)

Hello,
Because ant compile on windows could meet unit test failure,
like <https://jira.springsource.org/browse/SPR-8245>.
Then I want to ignore this unit test. How to type the ant command which could ignore the unit
test?
Thanks.
BRs,
New comer

88. Chris Beams (blog author) says:

Added on [April 12th, 2011 at 10:02 pm](#)

@reddog: if you wish to run all the tests, but simply ignore this one, add JUnit's @Ignore annotation to the test method that's failing. If you simply wish to build the Spring JARs locally and skip running all tests, simply run `ant jar`. It will compile and package the jars, but will not run any tests. Keep in mind that if you're trying to populate a local Maven repository, you can run `ant install-maven`. This will compile the code, package the JARs and copy them into the correct locations within your local ~/.m2/repository cache.

89. Muky says:

Added on [May 31st, 2011 at 10:12 am](#)

I am confuse, all the spring framework tutorials (<http://static.springsource.org/docs/Spring-MVC-step-by-step/part1.html#step1.1> for example) require jars from the lib folder, but any framework that I'm downloading from spring source (<http://www.springsource.org/download>) is missing the lib folder. What am I missing?

90. Scott Frederick says:

Added on [July 1st, 2011 at 8:47 pm](#)

I was getting the "Unsupported protocol: jmxmp" error too, looks like this is the work-around: <https://jira.springsource.org/browse/SPR-8093>

91. jbbarquero says:

Added on [July 28th, 2011 at 1:46 pm](#)

Hello:

At last the BUILD worked in my MacBookPro (i5 with 4GB in Mac OS X Snow Leopard 10.6.8 with Java 1.6.0_26, Ant 1.8.2 and STS 2.7.1)

I had to declare the environment variable ANT_OPTS with the value '-XX:MaxPermSize=1024m -Xmx1024m'.

The build failed using the ant within the STS, but it succeed from the command line.

92. jbbarquero says:

Added on [July 28th, 2011 at 2:01 pm](#)

Hello:

It worked in my MAC (Snow Leopard, i5 and 4GB) but it didn't in a DELL with windows Vista in Core2Duo with 3 GB (less than 2GB available)

I tried with several values for %ANT_OPTS%, test.vm.args and javadoc.max.memory.

The best attempt was with:

```
javadoc.max.memory=512M
```

```
test.vm.args=-Xmx1024M -XX:MaxPermSize=512M -XX: HeapDumpOnOutOfMemoryError
```

```
C:\>echo %ANT_OPTS%
```

```
-XX:MaxPermSize=512m -Xmx768m
```

But the BUILD FAILED twice:

1) The first due to:

```
[junit] junit.framework.AssertionFailedError: Prototype creation took too long: 4024 at
```

```
org.springframework.context.annotation.AnnotationProcessorPer
```

```
formanceTests.testPrototypeCreationWithOverriddenAutowiredPropertiesIsFastEnough
```

```
(AnnotationProcessorPerformanceTests.java:148)
```

I just edited this test and I change the assertTrue value from 4000 to 8000

2) I can't solve the second:

```
[junit] Testcase:
```

```
marshalJaxp14StaxResultEventWriter(org.springframework.xml.jibx.JibxMarshallerTests):
```

Caused an ERROR

```
[junit] Unable to access binding 'binding'
```

```
[junit] Make sure classes generated by the binding compiler are available at runtime
```

```
[junit] java.lang.ClassNotFoundException: org.springframework.xml.jibx.JiBX_bindingFactory
```

```
[junit] at java.net.URLClassLoader$1.run(URLClassLoader.java:200)
```

```
[junit] at java.security.AccessController.doPrivileged(Native Method)
```

```
[junit] at java.net.URLClassLoader.findClass(URLClassLoader.java:188)
```

```
[junit] at java.lang.ClassLoader.loadClass(ClassLoader.java:307)
```

```
[junit] at sun.misc.Launcher$AppClassLoader.loadClass(Launcher.java:301)
```

```
[junit] at java.lang.ClassLoader.loadClass(ClassLoader.java:252)
```

```
[junit] at org.jibx.runtime.BindingDirectory.getFactory(BindingDirectory.java:237)
```

```
[junit] at org.jibx.runtime.BindingDirectory.getFactory(BindingDirectory.java:292)
```

```
[junit] at
```

```
org.springframework.xml.jibx.JibxMarshaller.afterPropertiesSet(JibxMarshaller.java:224)
```

```
[junit] at
```

```
org.springframework.xml.jibx.JibxMarshallerTests.createMarshaller(JibxMarshallerTests.java:3
```

```
8)
```

```
[junit] at
```

```
org.springframework.xml.AbstractMarshallerTests.setUp(AbstractMarshallerTests.java:58)
```

Any help with this issue?

93. jbbarquero says:

Added on [August 1st, 2011 at 9:40 am](#)

It also failed in UBUNTU (10.10 in Intel Core 2 Quad Q6600, 2.40GHz and 8GB RAM)

NOTE: at the end it succeed, but allow me to put the steps that I followed to achieve the build.

BESIDES: the import existing project didn't work. It seems STS 2.7.1 in UBUNTU can't read recursively from the root directory.

I imported manually one by one instead. It came out with these two errors:

- Build path is incomplete. Cannot find class file for

org.springframework.core.enums.ShortCodedLabeledEnum (ImportXmlWithAopNamespace-context.xml)

/org.springframework.context/src/test/java/org.springframework.context.annotation.configuration
n line 8 Spring AOP Problem

- Build path is incomplete. Cannot find class file for org.springframework.core.Ordered

(ImportXmlWithAopNamespace-context.xml)

/org.springframework.context/src/test/java/org.springframework.context.annotation.configuration
n line 12 Spring AOP Problem

REGARDING the BUILDING, these were the steps that I followed:

It seems there's something wrong with the images: obtained application/octet-stream instead of image/jpeg.

[junit] Testcase:

writeMultipart(org.springframework.http.converter.FormHttpMessageConverterTests): FAILED

[junit] expected: but was:

[junit] junit.framework.AssertionFailedError: expected: but was:

[junit] at

org.springframework.http.converter.FormHttpMessageConverterTests.writeMultipart(FormHttp
MessageConverterTests.java:154)

I could edit org.springframework.http.converter.FormHttpMessageConverterTests, changing the line 154: assertEquals("image/jpeg", item.getContentType()); but it's not very logical.

I'd rather use the @org.junit.Ignore in the writeMultipart() method.

Then write() in org.springframework.http.converter.ResourceHttpMessageConverterTests failed as well:

[junit] Testcase:

write(org.springframework.http.converter.ResourceHttpMessageConverterTests): FAILED

[junit] Invalid content-type expected: but was:

[junit] junit.framework.AssertionFailedError: Invalid content-type expected: but was:

[junit] at

org.springframework.http.converter.ResourceHttpMessageConverterTests.write(ResourceHttp
MessageConverterTests.java:68)

[junit]

Then, the same error at:

[junit] Tests run: 16, Failures: 0, Errors: 1, Time elapsed: 0.522 sec

[junit]

[junit] ————— Standard Error —————

[junit] 2011-08-01 13:17:02.799::INFO: jetty-6.1.9
[junit] 2011-08-01 13:17:02.801::INFO: Started SocketConnector@0.0.0.0:1142
[junit] 2011-08-01 13:17:02.946::WARN: Error for /multipart
[junit] org.junit.ComparisonFailure: expected: but was:
...
[junit] _____
[junit] Testcase: multipart(org.springframework.web.client.RestTemplateIntegrationTests):
Caused an ERROR
[junit] 500 expected: but was:
[junit] org.springframework.web.client.HttpServerErrorException: 500 expected: but was:
[junit] at
org.springframework.web.client.DefaultResponseErrorHandler.handleError(DefaultResponseErrorHandler.java:77)
[junit] at
org.springframework.web.client.RestTemplate.handleResponseError(RestTemplate.java:486)
[junit] at org.springframework.web.client.RestTemplate.doExecute(RestTemplate.java:443)
[junit] at org.springframework.web.client.RestTemplate.execute(RestTemplate.java:401)
[junit] at
org.springframework.web.client.RestTemplate.postForLocation(RestTemplate.java:257)
[junit] at
org.springframework.web.client.RestTemplateIntegrationTests.multipart(RestTemplateIntegrationTests.java:235)
[junit]
I added the @org.junit.Ignore annotation to the multipart() in
org.springframework.web.client.RestTemplateIntegrationTests
All the previous classes belong to the org.springframework.web project.
The org.springframework.web project.servlet has the same problem:
[junit] Testsuite: org.springframework.web.servlet.resource.ResourceHttpRequestHandlerTests
[junit] Tests run: 12, Failures: 1, Errors: 0, Time elapsed: 0.016 sec
[junit]
[junit] Testcase:
getResourceWithHtmlMediaType(org.springframework.web.servlet.resource.ResourceHttpRequestHandlerTests): FAILED
[junit] expected: but was:
[junit] junit.framework.AssertionFailedError: expected: but was:
[junit] at
org.springframework.web.servlet.resource.ResourceHttpRequestHandlerTests.getResourceWithHtmlMediaType(ResourceHttpRequestHandlerTests.java:78)
I applied the @org.junit.Ignore annotation to getResourceWithHtmlMediaType() in

org.springframework.web.servlet.resource.ResourceHttpRequestHandlerTests

At the end:

BUILD SUCCESSFUL

Total time: 12 minutes 13 seconds

ACTUALLY: 2 hours and 12 minutes and...

94. John K says:

Added on [November 17th, 2011 at 10:39 am](#)

Great post Chris! The instructions were thorough and provide ability to download and build the artifacts.

Couple points.

1) "ant publish-maven-local" does not appear to be a valid target:

BUILD FAILED

Target "publish-maven-local" does not exist in the project "org.springframework.asm".

2) In 'Step 2' of the instructions you reference the new directory structure of the springframework modules. Does this new structure reflect the desired maven artifact directories? In the past, we have referred to spring related dependencies using a GAV=groupId/artifactId/version like 'org.springframework/spring-orm/3.1.0.RC1', so now are we encouraged to use 'org.springframework/org.springframework.orm/3.1.0.RC1'?

java.lang.NoSuchMethodError:

org.springframework.beans.BeanUtils.instantiateClass(Ljava/lang/Class;Ljava/lang/Class;)Ljava/lang/Object;

at

org.springframework.test.context.ContextLoaderUtils.resolveContextLoader(ContextLoaderUtils.java:87)

at

org.springframework.test.context.ContextLoaderUtils.buildMergedContextConfiguration(ContextLoaderUtils.java:298)

at org.springframework.test.context.TestContext.(TestContext.java:100)

at org.springframework.test.context.TestContextManager.(TestContextManager.java:117)

at

org.springframework.test.context.junit4.SpringJUnit4ClassRunner.createTestContextManager(SpringJUnit4ClassRunner.java:119)

at org.springframework.test.context.junit4.SpringJUnit4ClassRunner.
(SpringJUnit4ClassRunner.java:108)

at sun.reflect.NativeConstructorAccessorImpl.newInstance0(Native Method)

at

sun.reflect.NativeConstructorAccessorImpl.newInstance(NativeConstructorAccessorImpl.java:39)

at
sun.reflect.DelegatingConstructorAccessorImpl.newInstance(DelegatingConstructorAccessorImpl.java:27)
at java.lang.reflect.Constructor.newInstance(Constructor.java:513)
at org.junit.internal.builders.AnnotatedBuilder.buildRunner(AnnotatedBuilder.java:31)
at org.junit.internal.builders.AnnotatedBuilder.runnerForClass(AnnotatedBuilder.java:24)
at org.junit.runners.model.RunnerBuilder.safeRunnerForClass(RunnerBuilder.java:57)
at
org.junit.internal.builders.AllDefaultPossibilitiesBuilder.runnerForClass(AllDefaultPossibilitiesBuilder.java:29)
at org.junit.runners.model.RunnerBuilder.safeRunnerForClass(RunnerBuilder.java:57)
at org.junit.internal.requests.ClassRequest.getRunner(ClassRequest.java:24)
at org.eclipse.jdt.internal.junit4.runner.JUnit4TestReference.(JUnit4TestReference.java:32)
at org.eclipse.jdt.internal.junit4.runner.JUnit4TestClassReference.
(JUnit4TestClassReference.java:25)
at org.eclipse.jdt.internal.junit4.runner.JUnit4TestLoader.createTest(JUnit4TestLoader.java:41)
at org.eclipse.jdt.internal.junit4.runner.JUnit4TestLoader.loadTests(JUnit4TestLoader.java:31)
at
org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.runTests(RemoteTestRunner.java:452)
at
org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.runTests(RemoteTestRunner.java:683)
at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.run(RemoteTestRunner.java:390)
at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.main(RemoteTestRunner.java:197)

95. Chris Beams (blog author) says:

Added on [November 17th, 2011 at 12:32 pm](#)

@John,

Regarding 'publish-maven-local', thanks for pointing this out. The name of that target changed some time ago. I've updated the post to reflect the new name 'install-maven-central'.

Regarding artifact naming, org.springframework/spring-orm/3.1.0.RC1 is the GAV format used in Maven Central. You'll find that's what gets installed to ~/.m2/repository when you successfully invoke `mvn install-maven-central` as above.

96. John K says:

Added on [November 17th, 2011 at 1:33 pm](#)

@Chris,

Thanks for the quick response.

Did you mean 'ant install-maven-central' (vs. mvn install-maven-central)?

97. Chris Beams (blog author) says:

Added on [November 17th, 2011 at 1:57 pm](#)

@John,

Heh – yes, I did. Thanks



98. Salvatore Bachand says:

Added on [September 13th, 2012 at 8:29 pm](#)

mdpqtxbtbivt, Tramadol, bGDEcHk.

99. Jason Taylor says:

Added on [October 12th, 2012 at 1:11 pm](#)

Hey Chris– great job with the build, very simple procedure!

I had a weird problem where our versioning system (P4) doesn't hold empty directories and the build wouldn't work until I created them. If empty directories are necessary for the build to run, you may want to do a mkdir to make sure they're there. But I suppose it's not a typical problem to have.

Glad to see you are doing so well these days.

-JT

3 TRACKBACKS

[View all pings & trackbacks](#)

LEAVE A REPLY

Name (required)

Mail (will not be published) (required)

Website

☐ Notify me of follow-up comments via e-mail

SpringSource	Features	Get Started	C
About Us Our Blog Our Customers Latest News & Events SpringSource Jobs Consulting Contact Us Subscribe to Newsletter	Modern Web Data Access Integration Mobile Social Security Cloud Ready	Get Tool Kit (STS) Tutorials Code Samples Documentation Forums Training Downloads	C D E F G H I J K L M N O P Q R S T U V W X Y Z

