

Mitesh Soni

Video 3.4

Integrating the Deployment Operation



In this Video, we are going to take a look at...

- Executing JUnit test cases
- Adding a build step to copy artifacts

Dashboard [Jenkins] - Mozilla Firefox

/manager Connecting... Editing spring-petclini... +

localhost:9999/job/Petclinic-Test/ Search

Jenkins

Jenkins

New Item People Build History Project Relationship Check File Fingerprint Manage Jenkins My Views Credentials

All PetClinic-First Petclinic-Build-Pipeline-View +

S	W	Name	Last Success	Last Failure	Last Duration
		Petclinic	3 days 23 hr - #12	N/A	1 min 41 sec
		Petclinic-Code	1 day 23 hr - #7	2 days 21 hr - #5	5 min 18 sec
		Petclinic-Compile	1 day 23 hr - #4	2 days 21 hr - #1	1 min 41 sec
		PetClinic-Deploy	5 min 16 sec - #1	N/A	2 min 6 sec
		Petclinic-Pipeline	2 days 2 hr - #16	2 days 2 hr - #15	5 min 28 sec
		Petclinic-Pipeline-Build	2 days 19 hr - #1	N/A	3 min 30 sec
		Petclinic-Test	1 day 0 hr - #6	1 day 0 hr - #5	1 min 9 sec

Icon: S M L

Legend RSS for all RSS for failures RSS for just latest builds

master
1 Idle
2 Idle

TestServer
Transferring data from localhost...

Dashboard [Jenkins] - Mozilla Fire... [user@localhost:~/apache-tomcat...]

Packt 3 / 4

Petclinic-Test [Jenkins] – Mozilla Firefox

/manager Petclinic-Test [Jenkins] Editing spring-petcli... +

localhost:9999/job/Petclinic-Test/ Search

Jenkins > Petclinic-Test > Workspace Build Now Delete Project Configure GitHub Hook Log Move

ENABLE AUTO REFRESH

Test Result Trend

Workspace Last Successful Artifacts petclinic.war 32.85 MB view Recent Changes Latest Test Result (no failures)

Build History trend — find

#6 Dec 1, 2016 3:05 PM
#5 Dec 1, 2016 3:02 PM
#4 Nov 30, 2016 3:41 PM
#3 Nov 29, 2016 7:57 PM
#2 Nov 29, 2016 6:24 PM
#1 Nov 29, 2016 6:22 PM

(just show failures) enlarge

Upstream Projects Petclinic-Compile

Permalinks

- Last build (#6), 1 day 0 hr ago
- Last stable build (#6), 1 day 0 hr ago
- Last successful build (#6), 1 day 0 hr ago
- Last failed build (#5), 1 day 0 hr ago
- Last unsuccessful build (#5), 1 day 0 hr ago
- Last completed build (#6), 1 day 0 hr ago

RSS for all RSS for failures

Petclinic-Test [Jenkins] – Mozilla Firefox

/manager Petclinic-Test [Jenkins] Editing spring-petcli... +

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- Last unsuccessful build (#5), 1 day 0 hr ago
- Last completed build (#6), 1 day 0 hr ago

RSS for all RSS for failures

Petclinic-Test [Jenkins] – Mozilla Firefox

/manager Connecting... Editing spring-petcli...

localhost:9999/job/Petclinic-Test/ Search

Jenkins > Petclinic-Test > ENABLE AUTO REFRESH

Workspace Build Now Delete Project Configure GitHub Hook Log Move

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find

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RSS for all RSS for failures

Test Result Trend

(just show failures) enlarge

Upstream Projects

Petclinic-Compile

Permalinks

- Last build (#6), 1 day 0 hr ago
- Last stable build (#6), 1 day 0 hr ago
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- Last failed build (#5), 1 day 0 hr ago
- Last unsuccessful build (#5), 1 day 0 hr ago
- Last completed build (#6), 1 day 0 hr ago

Petclinic-Test Config [Jenkins] - Mozilla Firefox

[/manager](#)[Petclinic-Test Config ...](#)[Editing spring-petclini...](#)[localhost:9999/job/Petclinic-Test/configure](#)[Search](#)

Jenkins

Petclinic-Test

[search](#)[Packt Pub](#) | [log out](#)

Project name

Petclinic-Test

Description

[Plain text] [Preview](#) [Hide preview](#)

 Discard old builds

Strategy

Log Rotation

 GitHub project

Project url

LOADING

[Advanced...](#) Permission to Copy Artifact

Projects to allow copy artifacts

 This project is parameterized

Read localhost

[Add Parameter](#)

Petclinic-Test Config [Jenkins] - Mozilla Firefox

/manager x Petclinic-Test Config ... x Editing spring-petcli... +

localhost:9999/job/Petclinic-Test/configure

Jenkins > Petclinic-Test >

Description

[Plain text] Preview

Discard old builds ?

GitHub project ?

Permission to Copy Artifact ?

This project is parameterized ?

Throttle builds ?

Disable this project ?

Execute concurrent builds if necessary ?

Restrict where this project can be run ?

[Advanced...](#)

Source Code Management

None

Git

Save **Apply**

Applications ▾ Places ▾ Firefox Web Browser ▾ Fri 15:40

Petclinic-Test Config [Jenkins] - Mozilla Firefox

/manager Petclinic-Test Config ... Editing spring-petcli... +

localhost:9999/job/Petclinic-Test/configure Search

Jenkins Petclinic-Test

General Source Code Management Build Triggers Build Environment Build Post-build Actions Advanced...

Source Code Management

None
 Git

Repositories

Repository URL: git@github.com:videopacktpub/spring-petclinic.git
Credentials: - none - Add Advanced... Add Repository

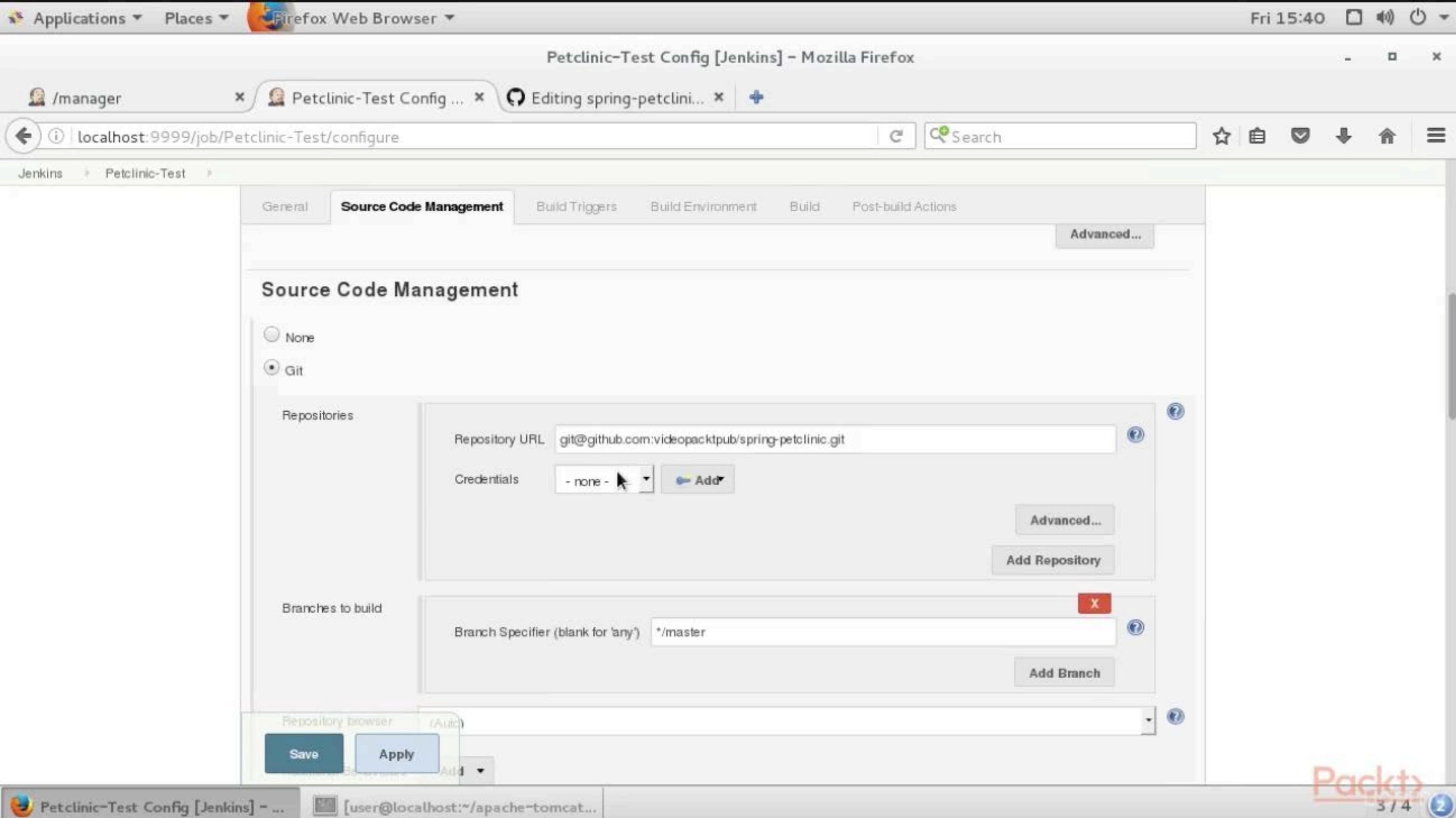
Branches to build

Branch Specifier (blank for 'any'): */master
Add Branch

Repository browser (Aut) Save Apply Add

Petclinic-Test Config [Jenkins] - ... [user@localhost:~/apache-tomcat...]

Packt 3 / 4



Petclinic-Test Config [Jenkins] - Mozilla Firefox

/manager x Petclinic-Test Config ... x Editing spring-petcli... +

localhost:9999/job/Petclinic-Test/configure c Search star list refresh download home menu

Jenkins → Petclinic-Test

General Source Code Management **Build Triggers** Build Environment Build Post-build Actions

Build periodically ?
 Build when a change is pushed to GitHub ?
 Poll SCM ?

Build Environment

Delete workspace before build starts
 Abort the build if it's stuck
 Add timestamps to the Console Output
 Prepare SonarQube Scanner environment ?
 SSH Agent
 Use secret text(s) or file(s) ?

Build

Invoke top-level Maven targets x ?

Maven Version **Maven3 3.9** ▼

Save Apply ... ▼

Petclinic-Test Config [Jenkins] - ... [user@localhost:~/apache-tomcat...]

Petclinic-Test Config [Jenkins] - Mozilla Firefox

/manager

Petclinic-Test Config ...

Editing spring-petcli...

localhost:9999/job/Petclinic-Test/configure

Search

Jenkins Petclinic-Test

General Source Code Management Build Triggers Build Environment **Build** Post-build Actions

Maven Version Maven3.3.9

Goals package

Add build step ▾

Advanced...

Post-build Actions

Archive the artifacts

Files to archive **/*.war

Advanced...

Publish JUnit test result report

Test report XMLs **/target/surefire-reports/*.xml

Fileset 'includes' setting that specifies the generated raw XML report files, such as 'myproject/target/test-reports/*.xml'. Basedir of the fileset is the workspace root.

Retain long standard output/error

Save Apply

Petclinic-Test Config [Jenkins] - ... [user@localhost:~/apache-tomcat...]

Packt 3 / 4

Petclinic-Test Config [Jenkins] - Mozilla Firefox

/manager

Petclinic-Test Config ...

Editing spring-petcli...

localhost:9999/job/Petclinic-Test/configure

Search



Jenkins > Petclinic-Test >

General Source Code Management Build Triggers Build Environment Build Post-build Actions

Advanced...

Add build step ▾

Post-build Actions

Archive the artifacts

Files to archive

**/*.war

Advanced...

Publish JUnit test result report

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Fileset 'includes' setting that specifies the generated raw XML report files, such as 'myproject/target/test-reports/*.xml'. Basedir of the fileset is [the workspace root](#).

 Retain long standard output/error

Health report amplification factor

1

 Do not fail the build on empty test results

Save

Apply

Petclinic-Test Config [Jenkins] - Mozilla Firefox

/manager

Petclinic-Test Config ...

Editing spring-petcli...

localhost:9999/job/Petclinic-Test/configure

Search

Jenkins Petclinic-Test

General Source Code Management Build Triggers Build Environment **Build** Post-build Actions Advanced...

Add build step ▾

Post-build Actions

Archive the artifacts

Files to archive `**/*.war`

Publish JUnit test result report

Test report XMLs `**/target/surefire-reports/*.xml`

Fileset 'includes' setting that specifies the generated raw XML report files, such as 'myproject/target/test-reports/*.xml'. Basedir of the fileset is [the workspace root](#).

Retain long standard output/error

Health report amplification factor `1`

Do not fail the build on empty test results

Save Apply

Petclinic-Test Config [Jenkins] - ... [user@localhost:~/apache-tomcat...]

Packt 3 / 4

Petclinic-Test Config [Jenkins] - Mozilla Firefox

/manager

Petclinic-Test Config ...

Editing spring-petcli...

localhost:9999/job/Petclinic-Test/configure

Search

Jenkins Petclinic-Test

General Source Code Management Build Triggers Build Environment **Build** Post-build Actions Advanced...

Add build step ▾

Post-build Actions

Archive the artifacts

Files to archive `**/*.war`

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Retain long standard output/error

Health report amplification factor `1`

Do not fail the build on empty test results

Save **Apply**

Petclinic-Test Config [Jenkins] - ... [user@localhost:~/apache-tomcat...]

Packt 3 / 4

Jenkins

Back to Dashboard Status Changes Workspace Build Now Delete Project Configure GitHub Hook Log Move

Build History trend → find

#6 Dec 1, 2016 3:05 PM
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Project Petclinic-Test

Workspace Last Successful Artifacts petclinic.war 32.85 MB view Recent Changes

Latest Test Result (no failures)

Upstream Projects

Petclinic-Compile

Permalinks

- Last build (#6), 1 day 0 hr ago
- Last stable build (#6), 1 day 0 hr ago
- Last successful build (#6), 1 day 0 hr ago

Test Result Trend count (just show failures) enlarge

localhost:9999/job/Petclinic-Test/build?delay=0sec

Petclinic-Test [Jenkins] – Mozilla ... [user@localhost:~/apache-tomcat...]

Packt 3 / 4

Jenkins

Back to Dashboard Status Changes Workspace Build Now Delete Project Configure GitHub Hook Log Move

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localhost:9999/job/Petclinic-Test/build?delay=0sec

Petclinic-Test [Jenkins] – Mozilla ... [user@localhost:~/apache-tomcat...]

Packt 3 / 4

Jenkins

Back to Dashboard Status Changes Workspace Build Now Delete Project Configure GitHub Hook Log Move

Build History trend → find #6 Dec 1, 2016 3:05 PM Success > Console Output PM #4 Nov 30, 2016 3:41 PM #3 Nov 29, 2016 7:57 PM localhost:9999/job/Petclinic-Test/6/console

Project Petclinic-Test

Workspace Last Successful Artifacts petclinic.war 32.85 MB view Recent Changes

Latest Test Result (no failures)

Upstream Projects

Petclinic-Compile

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- Last build (#6), 1 day 0 hr ago
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- Last successful build (#6), 1 day 0 hr ago

Test Result Trend

(just show failures) enlarge

Packt 3 / 4

Petclinic-Test #6 Console [Jenkins] - Mozilla Firefox

/manager

Petclinic-Test #6 Co...

Editing spring-petcli...



localhost:9999/job/Petclinic-Test/6/console

Search



Jenkins > Petclinic-Test > #6

```
/BDDMockito.class)]]
[loading ZipFileIndexableObject[/home/user/.m2/repository/org/mockito/mockito-core/1.10.19/mockito-core-1.10.19.jar(org/mockito/Mockito.class)]]
[loading ZipFileIndexableObject[/home/user/.m2/repository/org/mockito/mockito-core/1.10.19/mockito-core-1.10.19.jar(org/mockito/Matchers.class)]]
[loading ZipFileIndexableObject[/home/user/.m2/repository/org/springframework/spring-test/4.2.8.RELEASE/spring-test-4.2.8.RELEASE.jar(org/springframework/test/web/servlet/request/MockMvcRequestBuilders.class)]]
[loading ZipFileIndexableObject[/home/user/.m2/repository/org/springframework/spring-test/4.2.8.RELEASE/spring-test-4.2.8.RELEASE.jar(org/springframework/test/web/servlet/result/MockMvcResultMatchers.class)]]
[loading RegularFileObject[/home/user/.jenkins/workspace/Petclinic-Test/target/classes/org/springframework/samples/petclinic/web/VetController.class]]
[loading ZipFileIndexableObject[/home/user/.m2/repository/org/mockito/mockito-core/1.10.19/mockito-core-1.10.19.jar(org/mockito/Mock.class)]]
[loading ZipFileIndexableObject[/home/user/.m2/repository/org/mockito/mockito-core/1.10.19/mockito-core-1.10.19.jar(org/mockito/runners/MockitoJUnitRunner.class)]]
[loading ZipFileIndexableObject[/usr/lib/jvm/java-1.7.0-openjdk-1.7.0.111-2.6.7.2.el7_2.x86_64/lib/ct.sym(META-INF/sym/rt.jar/java/text/ParseException.class)]]
[loading ZipFileIndexableObject[/home/user/.m2/repository/junit/junit/4.12/junit-4.12.jar(org/junit/Assert.class)]]
[loading RegularFileObject[/home/user/.jenkins/workspace/Petclinic-Test/target/classes/org/springframework/samples/petclinic/web/PetTypeFormatter.class]]
[loading RegularFileObject[/home/user/.jenkins/workspace/Petclinic-Test/target/classes/org/springframework/samples/petclinic/web/VisitController.class]]
[loading ZipFileIndexableObject[/home/user/.m2/repository/org/springframework/spring-webmvc/4.2.8.RELEASE/spring-webmvc-4.2.8.RELEASE.jar(org/springframework/web/servlet/handler/SimpleMappingExceptionResolver.class)]]
[loading RegularFileObject[/home/user/.jenkins/workspace/Petclinic-Test/target/classes/org/springframework/samples/petclinic/web/CrashController.class]]
[loading ZipFileIndexableObject[/home/user/.m2/repository/org/springframework/spring-context/4.2.8.RELEASE/spring-context-4.2.8.RELEASE.jar(org/springframework/format/support/FormattingConversionServiceFactoryBean.class)]]
[loading RegularFileObject[/home/user/.jenkins/workspace/Petclinic-Test/target/classes/org/springframework/samples/petclinic/web/PetController.class]]
[loading ZipFileIndexableObject[/home/user/.m2/repository/org/hamcrest/hamcrest-all/1.3/hamcrest-all-1.3.jar(org/hamcrest/Matchers.class)]]
```

Petclinic-Test #6 Console [Jenkins] - Mozilla Firefox

[/manager](#)[Petclinic-Test #6 Co...](#)[Editing spring-petcli...](#)[localhost:9999/job/Petclinic-Test/6/console](#)

Search



Jenkins > Petclinic-Test > #6

```
[Thu Dec 01 15:06:48 IST 2016]; root of context hierarchy
INFO LocalContainerEntityManagerFactoryBean - Closing JPA EntityManagerFactory for persistence unit 'petclinic'
INFO GenericApplicationContext - Closing org.springframework.context.support.GenericApplicationContext@44a0c74c: startup date
[Thu Dec 01 15:06:45 IST 2016]; root of context hierarchy
INFO LocalContainerEntityManagerFactoryBean - Closing JPA EntityManagerFactory for persistence unit 'petclinic'
```

Results :

Tests run: 62, Failures: 0, Errors: 0, Skipped: 0

```
[INFO]
[INFO] --- maven-war-plugin:2.3:war (default-war) @ spring-petclinic ---
[INFO] Packaging webapp
[INFO] Assembling webapp [spring-petclinic] in [/home/user/.jenkins/workspace/Petclinic-Test/target/petclinic]
[INFO] Processing war project
[INFO] Copying webapp resources [/home/user/.jenkins/workspace/Petclinic-Test/src/main/webapp]
[INFO] Webapp assembled in [3588 msec]
[INFO] Building war: /home/user/.jenkins/workspace/Petclinic-Test/target/petclinic.war
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 48.644 s
[INFO] Finished at: 2016-12-01T15:07:06+05:30
[INFO] Final Memory: 23M/196M
[INFO] -----
Archiving artifacts
Recording test results
Finished: SUCCESS
```

Jenkins

Plugin Manager

Back to Dashboard Manage Jenkins

Updates Available Installed Advanced

Filter:

Install	Name	Version
.NET Development		
<input type="checkbox"/>	CCM Plug-in This plug-in generates reports on cyclomatic complexity for .NET code.	3.1
<input type="checkbox"/>	Change Assembly Version This plug-in changes the <code>[AssemblyVersion]</code> and <code>[AssemblyFileVersion]</code> from <code>AssemblyInfo.cs</code> sources.	1.5.1
<input type="checkbox"/>	FxCop Runner plugin <code>FxCopCmd.exe</code> execute plugin.	1.1
<input type="checkbox"/>	MSBuild Plugin This plugin allows you to use MSBuild to build .NET projects.	1.26
MSTest plugin		
<input type="checkbox"/>	This plugin converts MSTest TRX test reports into JUnit XML reports so it can be integrated with Jenkins's JUnit features. This plugin converts the <code>.coverage.xml</code> files found in the project workspace to the EMMA format. You can use MSTestRunner plugin or VsTestRunner plugin to run the test and use this plugin to process the results.	0.19
<input type="checkbox"/>	MSTestRunner plugin This plugin allows you to execute test using MSTest command line tool.	1.3.0

Install without restart Download now and install after restart Check now

Update information obtained: 1 day 21 hr ago

Update Center [Jenkins] – Mozilla Firefox

/manager Update Center [Jenki... Editing spring-petclini... +

localhost:9999/pluginManager/available Search

Jenkins

Plugin Manager

Back to Dashboard Manage Jenkins

Updates Available Installed Advanced

Filter: copy

Install	Name	Version
<input type="checkbox"/>	Copy To Slave Plugin This plugin allows to copy a set of files, from a location somewhere on the master node, to jobs' workspaces. It also allows to copy files back from the workspaces of jobs located on a slave node to their workspaces on the master one.	1.4.4
<input type="checkbox"/>	Scriptler Scriptler allows you to store/edit groovy scripts and execute it on any of the slaves/nodes... no need to copy/paste groovy code anymore.	2.9
<input type="checkbox"/>	Slave SetupPlugin This plugin prepares slaves for build execution by letting you copy files and execute scripts before the slave gets used. It also allows you to start and stop slaves on demand from the master node.	1.10
<input type="checkbox"/>	Artifact Deployer Plug-in This plugin makes it possible to copy artifacts to remote locations.	0.33
<input type="checkbox"/>	Jobcopy Builder plugin This plugin adds "Copy Job" as a build step.	1.4.0
<input type="checkbox"/>	Copy data to workspace plugin Copies data to workspace directory for each project build.	1.0
External Workspace Manager Plugin		

Install without restart Download now and install after restart Check now

Update information obtained: 1 day 21 hr ago

Jenkins

Plugin Manager

Back to Dashboard

Manage Jenkins

Updates Available Installed Advanced

Install Name Version

Copy To Slave Plugin 1.4.4

This plugin allows to copy a set of files, from a location somewhere on the master node, to jobs' workspaces. It also allows to copy files back from the workspaces of jobs located on a slave node to their workspaces on the master one.

Artifact Deployer Plug-in 0.33

This plugin makes it possible to copy artifacts to remote locations.

Install without restart Download now and install after restart Check now

Update information obtained: 1 day 21 hr ago

Update Center [Jenkins] – Mozilla Firefox

/manager Update Center [Jenki... Editing spring-petclini... +

localhost:9999/pluginManager/available Search

Jenkins

Jenkins Plugin Manager

Back to Dashboard Manage Jenkins

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<input type="checkbox"/>	Artifact Deployer Plug-in This plugin makes it possible to copy artifacts to remote locations.	0.33
<input checked="" type="checkbox"/>	Copy Artifact Plugin Adds a build step to copy artifacts from another project.	1.38.1
<input type="checkbox"/>	OneSky Jenkins plugin Maintain the localization process in sync with OneSky & h1. Features - Downloading of 'ready to be published' translation files from one sky - Creation of the downloaded files over in your workspace - Pipeline support h1. Usage To use this plugin 4 things need to be configured: & nbsp; # The target translation& nbsp;project Id& nbsp;as found on the url of the onesky app # Secret key& nbsp;- This is where equivalent to a password for accessing the api # Public Key& nbsp;- This is the equivalent to a username for accessing the api # Resources Path& nbsp;- This is the relative path, inside your workspace, where your translation files will be output to& nbsp; h1. Configuration To retrieve the "project id" head over to the project definitions in your onesky app and copy and paste the ending of your URL: !Screen Shot 2016-11-28 at 17.07.34.png border=1! (88106 this example) To the settings in your job:& nbsp; !Screen Shot 2016-11-28 at 17.22.42.png border=1! Or your pipeline: !Screen Shot 2016-11-28 at 17.23.42.png border=1! The "Resources Path" will be configured in the same place: on your job: !Screen Shot 2016-11-28 at 17.27.39.png border=1! and on your pipeline: !Screen Shot 2016-11-28 at 17.28.43.png border=1! Finally, both the "API Secret" and "API key" should be taken from the onesky app settings page: !settings.png border=1! and saved	1.1

Install without restart Download now and install after restart Check now

Update information obtained: 1 min 9 sec ago

Update Center [Jenkins] – Mozilla Firefox

/manager Update Center [Jenki... Editing spring-petclini... +

localhost:9999/pluginManager/available

Search

Jenkins

Plugin Manager

Back to Dashboard Manage Jenkins

Updates Available Installed Advanced

Filter: copy a

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<input type="checkbox"/>	Copy To Slave Plugin This plugin allows to copy a set of files, from a location somewhere on the master node, to jobs' workspaces. It also allows to copy files back from the workspaces of jobs located on a slave node to their workspaces on the master one.	1.4.4
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Install without restart

Download now and install after restart

Update information obtained: 1 min 9 sec ago

Check now

Update Center [Jenkins] – Mozilla Firefox

/manager Connecting... Editing spring-petclini... +

localhost:9999/updateCenter/ Search

Jenkins

Jenkins Plugin Manager

Back to Dashboard Manage Jenkins

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Install	Name	Version
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Install with restart Download now and install after restart Check now

Waiting for localhost...

Update information obtained: 1 min 9 sec ago

Update Center [Jenkins] – Mozilla ... [user@localhost:~/apache-tomcat...]

Packt 3 / 4



Jenkins

Update center

ENABLE AUTO REFRESH

Back to Dashboard

Manage Jenkins

Manage Plugins

Installing Plugins/Upgrades

Preparation

- Checking internet connectivity
- Checking update center connectivity

Copy Artifact Plugin

Pending

Go back to the top page

(you can start using the installed plugins right away)

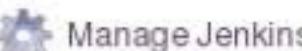
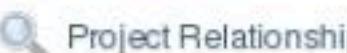
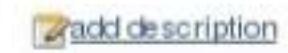
Restart Jenkins when installation is complete and no jobs are running

PetClinic-Deploy [Jenkins] - Mozilla Firefox

[/manager](#)[PetClinic-Deploy \[Je...\]](#)[Editing spring-petclini...](#)[localhost:9999/job/PetClinic-Deploy/](#)[Search](#)

Jenkins

Jenkins

[search](#)[Packt Pub](#) | [log out](#)[ENABLE AUTO REFRESH](#)

Build Queue

No builds in the queue.

Build Executor Status

master

1 Idle

2 Idle

TestServer

Read localhost

S	W	Name	Last Success	Last Failure	Last Duration
		Petclinic	3 days 23 hr - #12	N/A	1 min 41 sec
		Petclinic-Code	2 days 0 hr - #7	2 days 21 hr - #6	5 min 18 sec
		Petclinic-Compile	2 days 0 hr - #4	2 days 21 hr - #1	1 min 41 sec
		PetClinic-Deploy ▾	15 min - #1	N/A	2 min 6 sec
		Petclinic-Pipeline	2 days 2 hr - #16	2 days 2 hr - #15	5 min 28 sec
		Petclinic-Pipeline-Build	2 days 19 hr - #1	N/A	3 min 30 sec
		Petclinic-Test	1 day 0 hr - #6	1 day 0 hr - #5	1 min 9 sec

Icon: S M L

[Legend](#) [RSS for all](#) [RSS for failures](#) [RSS for just latest builds](#)

[/manager](#)[PetClinic-Deploy \[Je...\]](#)[Editing spring-petclini...](#)[localhost:9999/job/PetClinic-Deploy/](#)[Search](#)

Jenkins

PetClinic-Deploy

[search](#)[? Packt Pub | log out](#)[ENABLE AUTO REFRESH](#)[Back to Dashboard](#)[Status](#)[Changes](#)[Workspace](#)[Build Now](#)[Delete Project](#)[Configure](#)[GitHub Hook Log](#)[Move](#)

Project PetClinic-Deploy

[add description](#)[Disable Project](#)[Workspace](#)[Recent Changes](#)

Permalinks

- [Last build \(#1\), 15 min ago](#) ▾
- [Last stable build \(#1\), 15 min ago](#)
- [Last successful build \(#1\), 15 min ago](#)
- [Last completed build \(#1\), 15 min ago](#)

Build History trend =

find

#1 Dec 2, 2016 3:32 PM

[RSS for all](#) [RSS for failures](#)

[localhost:9999/job/PetClinic-Deploy/ws/](#)

Page generated: Dec 2, 2016 3:47:48 PM IST REST API Jenkins ver. 2.34

3 / 4

[/manager](#)[Connecting...](#)[Editing spring-petclini...](#)localhost:9999/job/PetClinic-Deploy/

Search



Jenkins

PetClinic-Deploy



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trend =

find

#1

Dec 2, 2016 3:32 PM

[RSS for all](#) [RSS for failures](#)

Project PetClinic-Deploy



Workspace



Recent Changes

Permalinks

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- [Last stable build \(#1\), 15 min ago](#)
- [Last successful build \(#1\), 15 min ago](#)
- [Last completed build \(#1\), 15 min ago](#)

[add description](#)[Disable Project](#)

[/manager](#)[PetClinic-Deploy Con...](#)[Editing spring-petclini...](#)[localhost:9999/job/PetClinic-Deploy/configure](#)

Search

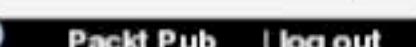


Jenkins

PetClinic-Deploy



search



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[Back to Dashboard](#)[Status](#)[Changes](#)[Workspace](#)[Build Now](#)[Delete Project](#)[Configure](#)[GitHub Hook Log](#)[Move](#)[Build History](#)

trend ▾

find

#1

Dec 2, 2016 3:32 PM

[RSS for all](#) [RSS for failures](#)

Project PetClinic-Deploy

[Workspace](#)[Recent Changes](#)

Permalinks

- [Last build \(#1\), 15 min ago](#)
- [Last stable build \(#1\), 15 min ago](#)
- [Last successful build \(#1\), 15 min ago](#)
- [Last completed build \(#1\), 15 min ago](#)

Read localhost

Page generated: Dec 2, 2016 3:47:48 PM IST REST API Jenkins ver. 2.34

PetClinic-Deploy Config [Jenkins] - Mozilla Firefox

/manager PetClinic-Deploy Con... Editing spring-petcli... +

localhost:9999/job/PetClinic-Deploy/configure Search

General Source Code Management Build Triggers Build Environment Bindings Build Post-build Actions

None
 Git

Repositories

Repository URL	https://github.com/videopacktpub/spring-petclinic	Del	?
Credentials	- none -	Add	Advanced...

Branches to build

Branch Specifier (blank for 'any')	*/master	Del	?
------------------------------------	----------	-----	---

Repository browser (Auto)

Additional Behaviours Add

Subversion

Waiting for localhost...

PetClinic-Deploy Config [Jenkins] - Mozilla Firefox

/manager

PetClinic-Deploy Con... Editing spring-petclini...

localhost:9999/job/PetClinic-Deploy/configure

Search

Jenkins > PetClinic-Deploy

General Source Code Management Build Triggers Build Environment **Build** Post-build Actions

Invoke top-level Maven targets

Maven Version (Default)

Goals tomcat7:redeploy

Advanced...

Add build step ▾

Post-build Actions

Add post-build action Post-build Actions

Save Apply

Page generated: Dec 2, 2016 3:48:02 PM IST REST API Jenkins ver. 2.34

PetClinic-Deploy Config [Jenkins] – Mozilla Firefox

/manager PetClinic-Deploy Con... Editing spring-petclini... +

localhost:9999/job/PetClinic-Deploy/configure Search

Jenkins > PetClinic-Deploy >

General Source Code Management Build Triggers Build Environment **Build** Post-build Actions

SSH Agent
 Use secret text(s) or file(s) ?

Build

Invoke top-level Maven targets

Maven Version (Default)

Goals tomcat7:redeploy ▼

Advanced...

Add build step ▼

Post-build Actions

Add post-build action ▼

Save Apply

Applications ▾ Places ▾ Firefox Web Browser Fri 15:48

PetClinic-Deploy Config [Jenkins] - Mozilla Firefox

/manager PetClinic-Deploy Con... Editing spring-petclini... +

localhost:9999/job/PetClinic-Deploy/configure ⌂ Search

Jenkins > PetClinic-Deploy >

Conditional step (single)
Conditional steps (multiple)
Copy artifacts from another project
Execute SonarQube Scanner
Execute Windows batch command
Execute shell
Invoke Ant
Invoke Gradle script
Invoke top-level Maven targets
Run with timeout
Set build status to 'pending' on GitHub commit
SonarQube Scanner for MSBuild - Begin Analysis
SonarQube Scanner for MSBuild - End Analysis
Trigger/call builds on other projects

Add build step ▾

Triggers Build Environment **Build** Post-build Actions

X Advanced...

Post-build Actions

Add post-build action ▾

Save Apply

localhost:9999/job/PetClinic-Deploy/configure#

PetClinic-Deploy Config [Jenkins]... [user@localhost:~/apache-tomcat...]

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PetClinic-Deploy Config [Jenkins] - Mozilla Firefox

/manager

PetClinic-Deploy Con...

Editing spring-petclini...



localhost:9999/job/PetClinic-Deploy/configure

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Jenkins

PetClinic-Deploy

General Source Code Management Build Triggers Build Environment **Build** Post-build Actions

SSH Agent
 Use secret text(s) or file(s)

Build

Invoke top-level Maven targets

Maven Version (Default)
Goals tomcat7:redeploy

Copy artifacts from another project

Project name |
No such project ". Did you mean 'Petclinic'?"

Which build Latest successful build
 Stable build only

Save **Apply**

PetClinic-Deploy Config [Jenkins] - Mozilla Firefox

/manager

PetClinic-Deploy Con...

Editing spring-petclini...



localhost:9999/job/PetClinic-Deploy/configure

Search



Jenkins > PetClinic-Deploy >

General Source Code Management Build Triggers Build Environment

Build

Post-build Actions

 SSH Agent Use secret text(s) or file(s)

Build

Invoke top-level Maven targets

Maven Version (Default)

Goals tomcat7:redeploy

Advanced...

Copy artifacts from another project

Project name Petclinic-Test

No such project ''. Did you mean 'Petclinic'?

Which build Latest successful build

Stable build only

Save Apply

PetClinic-Deploy Config [Jenkins] - Mozilla Firefox

/manager x PetClinic-Deploy Con... x Editing spring-petclini... x +

localhost:9999/job/PetClinic-Deploy/configure C Search ☆ ☰

Jenkins > PetClinic-Deploy >

General Source Code Management Build Triggers Build Environment **Build** Post-build Actions

Goals tomcat7:redeploy Advanced...

Copy artifacts from another project X

Project name Petclinic-Test ?

Which build Latest successful build ?

Stable build only

Artifacts to copy ?

Artifacts not to copy ?

Target directory ?

Parameter filters ?

Flatten directories Optional Fingerprint Artifacts ?

Advanced...

Save Apply

PetClinic-Deploy Config [Jenkins] - Mozilla Firefox

/manager

PetClinic-Deploy Con... Editing spring-petclini...

localhost:9999/job/PetClinic-Deploy/configure

Search

Jenkins > PetClinic-Deploy >

General Source Code Management Build Triggers Build Environment **Build** Post-build Actions

Goals tomcat7:redeploy Advanced...

Copy artifacts from another project

X Project name Petclinic-Test

Which build Latest successful build

Stable build only

Artifacts to copy tar

Artifacts not to copy

Target directory

Parameter filters

Flatten directories Optional Fingerprint Artifacts Advanced...

Save Apply

Packt 3 / 4

PetClinic-Deploy Config [Jenkins]... [user@localhost:~/apache-tomcat...]

PetClinic-Deploy Config [Jenkins] - Mozilla Firefox

/manager PetClinic-Deploy Con... Editing spring-petclini... +

localhost:9999/job/PetClinic-Deploy/configure ⌂ Search

Jenkins > PetClinic-Deploy

General Source Code Management Build Triggers Build Environment **Build** Post-build Actions

Copy artifacts from another project

Project name: Petclinic-Test

Which build: Latest successful build

Stable build only

Artifacts to copy: target/*.war

Artifacts not to copy:

Target directory:

Parameter filters:

Flatten directories Optional Fingerprint Artifacts

Advanced...

Add build step ▾

Post-build Actions

Save Apply

PetClinic-Deploy Config [Jenkins] - Mozilla Firefox

/manager Connecting... Editing spring-petclini... +

localhost:9999/job/PetClinic-Deploy/ Search

Jenkins > PetClinic-Deploy

General Source Code Management Build Triggers Build Environment **Build** Post-build Actions

Copy artifacts from another project

Project name: Petclinic-Test

Which build: Latest successful build

Stable build only

Artifacts to copy: target/*.war

Artifacts not to copy:

Target directory:

Parameter filters:

Flatten directories Optional Fingerprint Artifacts

Advanced...

Add build step ▾

Post-build Actions

Transferring data from localhost

Save Apply

[/manager](#)[PetClinic-Deploy \[Je...\]](#)[Editing spring-petclini...](#)[localhost:9999/job/PetClinic-Deploy/](#)[Search](#)

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Project PetClinic-Deploy

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Permalinks

- [Last build \(#1\), 16 min ago](#)
- [Last stable build \(#1\), 16 min ago](#)
- [Last successful build \(#1\), 16 min ago](#)
- [Last completed build \(#1\), 16 min ago](#)

Build History trend =

find

#1 Dec 2, 2016 3:32 PM

[RSS for all](#) [RSS for failures](#)

[/manager](#)[PetClinic-Deploy \[Je...\]](#)[Editing spring-petclini...](#)[localhost:9999/job/PetClinic-Deploy/](#)[Search](#)

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Permalinks

- [Last build \(#1\), 16 min ago](#)
- [Last stable build \(#1\), 16 min ago](#)
- [Last successful build \(#1\), 16 min ago](#)
- [Last completed build \(#1\), 16 min ago](#)

Build History [trend](#) [...](#)

find

#1 Dec 2, 2016 3:32 PM

[RSS for all](#) [RSS for failures](#)

PetClinic-Deploy [Jenkins] – Mozilla Firefox

/manager Connecting... Editing spring-petclini... +

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Permalinks

- [Last build \(#1\), 16 min ago](#)
- [Last stable build \(#1\), 16 min ago](#)
- [Last successful build \(#1\), 16 min ago](#)
- [Last completed build \(#1\), 16 min ago](#)

Build History trend –

find

#1 Dec 2. 2016 3:32 PM

RSS for all RSS for failures

Dashboard [Jenkins] - Mozilla Firefox

/manager x Dashboard [Jenkins] x Editing spring-petcli... x +

localhost:9999 C Search star list refresh down home menu

Jenkins ENABLE AUTO REFRESH

People All PetClinic-First Petclinic-Build-Pipeline-View +

S	W	Name	Last Success	Last Failure	Last Duration
		Petclinic	3 days 23 hr - #12	N/A	1 min 41 sec green arrow
		Petclinic-Code	2 days 0 hr - #7	2 days 21 hr - #5	5 min 18 sec green arrow
		Petclinic-Compile	2 days 0 hr - #4	2 days 21 hr - #1	1 min 41 sec green arrow
		PetClinic-Deploy	16 min - #1	N/A	2 min 6 sec green arrow
		Petclinic-Pipeline	2 days 2 hr - #16	2 days 2 hr - #15	5 min 28 sec green arrow
		Description	%	N/A	3 min 30 sec green arrow
		Build stability: 4 out of the last 5 builds failed.	20	1 day 0 hr - #5	1 min 9 sec green arrow
		Test Result: 0 tests failing out of a total of 62 tests.	100		

Icon: S M L Legend RSS for all RSS for failures RSS for just latest builds

Build Queue -
No builds in the queue.

Build Executor Status -
master
1 Idle
2 Idle
TestServer
1 Idle

Dashboard [Jenkins] - Mozilla Firefox

/manager Connecting... Editing spring-petclini... +

localhost:9999/job/Petclinic-Test/ Search

Jenkins ENABLE AUTO REFRESH

All PetClinic-First Petclinic-Build-Pipeline-View +

S	W	Name	Last Success	Last Failure	Last Duration
		Petclinic	3 days 23 hr - #12	N/A	1 min 41 sec
		Petclinic-Code	2 days 0 hr - #7	2 days 21 hr - #5	5 min 18 sec
		Petclinic-Compile	2 days 0 hr - #4	2 days 21 hr - #1	1 min 41 sec
		PetClinic-Deploy	16 min - #1	N/A	2 min 6 sec
		Petclinic-Pipeline	2 days 2 hr - #16	2 days 2 hr - #15	5 min 28 sec
		Petclinic-Pipeline-Build	2 days 19 hr - #1	N/A	3 min 30 sec
		Petclinic-Test	1 day 0 hr - #6	1 day 0 hr - #5	1 min 9 sec

Icon: S M L Legend RSS for all RSS for failures RSS for just latest builds

Build Queue No builds in the queue.

Build Executor Status master TestServer

master: 1 Idle
2 Idle

TestServer: 1 Idle

Waiting for localhost...

Jenkins

Back to Dashboard Status Changes Workspace Build Now Delete Project Configure GitHub Hook Log Move

Project Petclinic-Test

Workforce Last Successful Artifacts petclinic.war 32.85 MB view Recent Changes Latest Test Result (no failures)

Test Result Trend count (just show failures) enlarge

Build History trend = find

#6 Dec 1, 2016 3:05 PM
#5 Dec 1, 2016 3:02 PM
#4 Nov 30, 2016 3:41 PM
#3 Nov 29, 2016 7:57 PM

Upstream Projects Petclinic-Compile

Permalinks

- Last build (#6), 1 day 0 hr ago
- Last stable build (#6), 1 day 0 hr ago
- Last successful build (#6), 1 day 0 hr ago
- Last failed build (#5), 1 day 0 hr ago

localhost:9999/job/Petclinic-Test/ws/ [user@localhost:~/apache-tomcat...]

Petclinic-Test [Jenkins] – Mozilla ... Packt Pub | log out

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Wipe Out Current Workspace

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Build History

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#6 Dec 1, 2016 3:05 PM

#5 Dec 1, 2016 3:02 PM

#4 Nov 30, 2016 3:41 PM

#3 Nov 29, 2016 7:57 PM

Workspace of Petclinic-Test on master

.git .mvnw(wrapper) src target
bower.json 45 B view
.editorconfig 192 B view
.gitignore 158 B view
.travis.yml 31 B view
bower.json 134 B view
mvnw 6.95 KB view
mvnw.cmd 5.06 KB view
pom.xml 17.74 KB view
readme.md 10.17 KB view
sonar-project.properties 332 B view
[\(all files in zip\)](#)

Workspace of Petclinic-Test on m... [user@localhost:~/apache-tomcat...]

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Jenkins

Jenkins > Petclinic-Test > [ENABLE AUTO REFRESH](#)

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[Build History](#) [trend](#) [find](#)

Workspace of Petclinic-Test on master

[\(all files in zip\)](#)

	.git	
	.mvnw/wrapper	
	src	
	target	
	werror	45 B view
	.editorconfig	192 B view
	.gitignore	158 B view
	.travis.yml	31 B view
	bower.json	134 B view
	mvnw	6.95 KB view
	mvnw.cmd	5.06 KB view
	pom.xml	17.74 KB view
	readme.md	10.17 KB view
	sonar-project.properties	332 B view

localhost:9999/job/Petclinic-Test/ws/target

Workspace of Petclinic-Test on m... [user@localhost:~/apache-tomcat...]

Packt Pub | log out

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Workspace of Petclinic-Test on master

target / [\(all files in zip\)](#)

[classes](#)
[generated-sources/annotations](#)
[generated-test-sources/test-annotations](#)
[maven-archiver](#)
[maven-status/maven-compiler-plugin](#)
[petclinic](#)
[surefire-reports](#)
[test-classes](#)
[petclinic.war](#)

32.85 MB [view](#)

Build History [trend](#) ▾

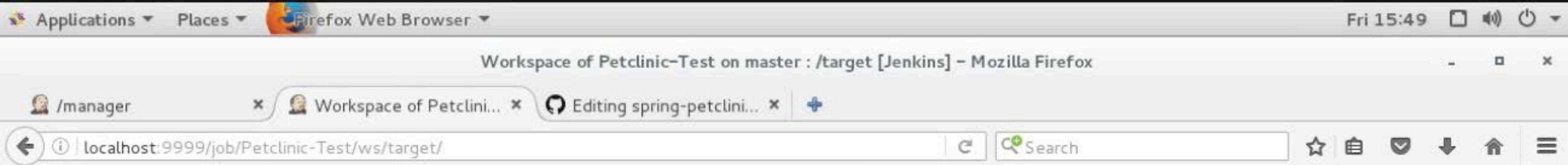
find

#6 Dec 1, 2016 3:05 PM
#5 Dec 1, 2016 3:02 PM
#4 Nov 30, 2016 3:41 PM
#3 Nov 29, 2016 7:57 PM

localhost:9999/job/Petclinic-Test/ws/target/petclinic.war

Workspace of Petclinic-Test on m... [user@localhost:~/apache-tomcat...]

Packt 3 / 4



Jenkins

Jenkins > Petclinic-Test >

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Workspace of Petclinic-Test on master

target / [\(all files in zip\)](#)

[classes](#)
[generated-sources/annotations](#)
[generated-test-sources/test-annotations](#)
[maven-archiver](#)
[maven-status/maven-compiler-plugin](#)
[petclinic](#)
[surefire-reports](#)
[test-classes](#)
[petclinic.war](#) 32.85 MB [view](#)

Build History [trend](#) ▾

find X

#	Build #	Date
1	#6	Dec 1, 2016 3:05 PM
2	#5	Dec 1, 2016 3:02 PM
3	#4	Nov 30, 2016 3:41 PM
4	#3	Nov 29, 2016 7:57 PM

localhost:9999/job/Petclinic-Test/ws/target/petclinic.war

Workspace of Petclinic-Test on m... [user@localhost:~/apache-tomcat...]

Packt 3 / 4

Workspace of Petclinic-Test on master : /target [Jenkins] – Mozilla Firefox

/manager

x Workspace of Petclini... x

Editing spring-petclini... x +

localhost:9999/job/Petclinic-Test/ws/target/

Search



Petclinic-Test

Petclinic-Test

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Workspace of Petclinic-Test on master



- [classes](#)
- [generated-sources/annotations](#)
- [generated-test-sources/test-annotations](#)
- [maven-archiver](#)
- [maven-status/maven-compiler-plugin](#)
- [petclinic](#)
- [surefire-reports](#)
- [test-classes](#)
- [petclinic.war](#)

R2 R5 MR • view

- Open Link in New Tab
 - Open Link in New Window**
 - Open Link in New Private Window
 - Bookmark This Link
 - Save Link As...
 - Copy Link Location
 - Search Google for "petclinic.war"
 - Inspect Element (Q)

Build History	
trend	—
<input type="text" value="find"/> X	
	#6 Dec 1, 2016 3:05 PM
	#5 Dec 1, 2016 3:02 PM
	#4 Nov 30, 2016 3:41 PM
	#3 Nov 29, 2016 7:57 PM

localhost:9999/job/Petclinic-Test/ws/target/petclinic.war

Workspace of Petclinic-Test on m...

[user@localhost ~] /apache-tomcat...



ENABLE AUTO REFRESH

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Workspace of Petclinic-Test on master



-  [classes](#)
-  [generated-sources/annotations](#)
-  [generated-test-sources/test-annotations](#)
-  [maven-archiver](#)
-  [maven-status/maven-compiler-plugin](#)
-  [petclinic](#)
-  [surefire-reports](#)
-  [test-classes](#)
-  [petclinic.war](#)

32.85 MB view



Build History

trend —

find

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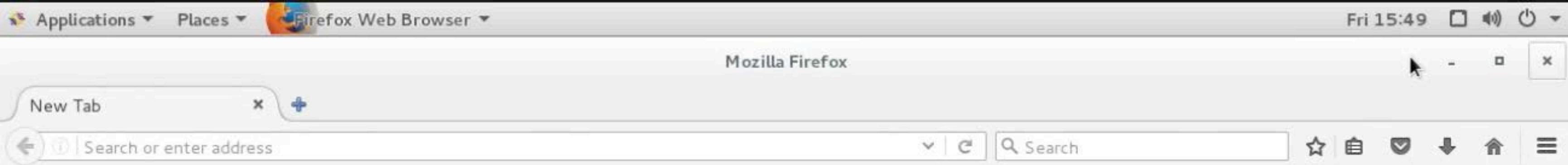
八五

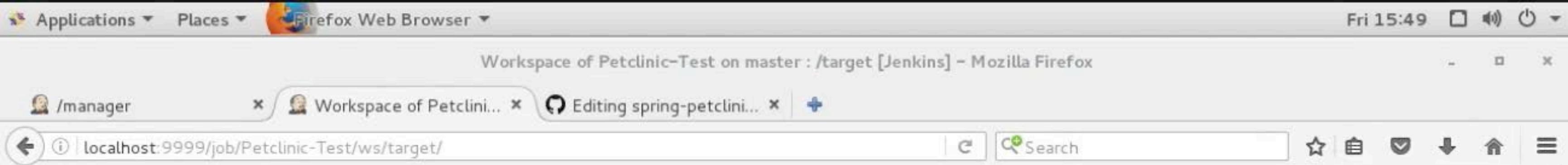
Figure 1. *Wolbachia* in *Drosophila*

100

43

NOV 29, 2016 7:57 PM





Jenkins

Jenkins > Petclinic-Test >

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#6 Dec 1, 2016 3:05 PM

#5 Dec 1, 2016 3:02 PM

#4 Nov 30, 2016 3:41 PM

#3 Nov 29, 2016 7:57 PM

#2 Nov 29, 2016 6:31 PM

Workspace of Petclinic-Test on master



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Opening petclinic.war

You have chosen to open:

petclinic.war

which is: web archive (32.8 MB)

from: http://localhost:9999

Would you like to save this file?

Cancel

Save File

Jenkins

Jenkins > Petclinic-Test >

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Workspace of Petclinic-Test on master

[target /](#) ↗

- [classes](#)
- [generated-sources/annotations](#)
- [generated-test-sources/test-annotations](#)
- [maven-archiver](#)
- [maven-status/maven-compiler-plugin](#)
- [petclinic](#)
- [surefire-reports](#)
- [test-classes](#)
- [petclinic.war](#)

32.85 MB [view](#)

[\(all files in zip\)](#)

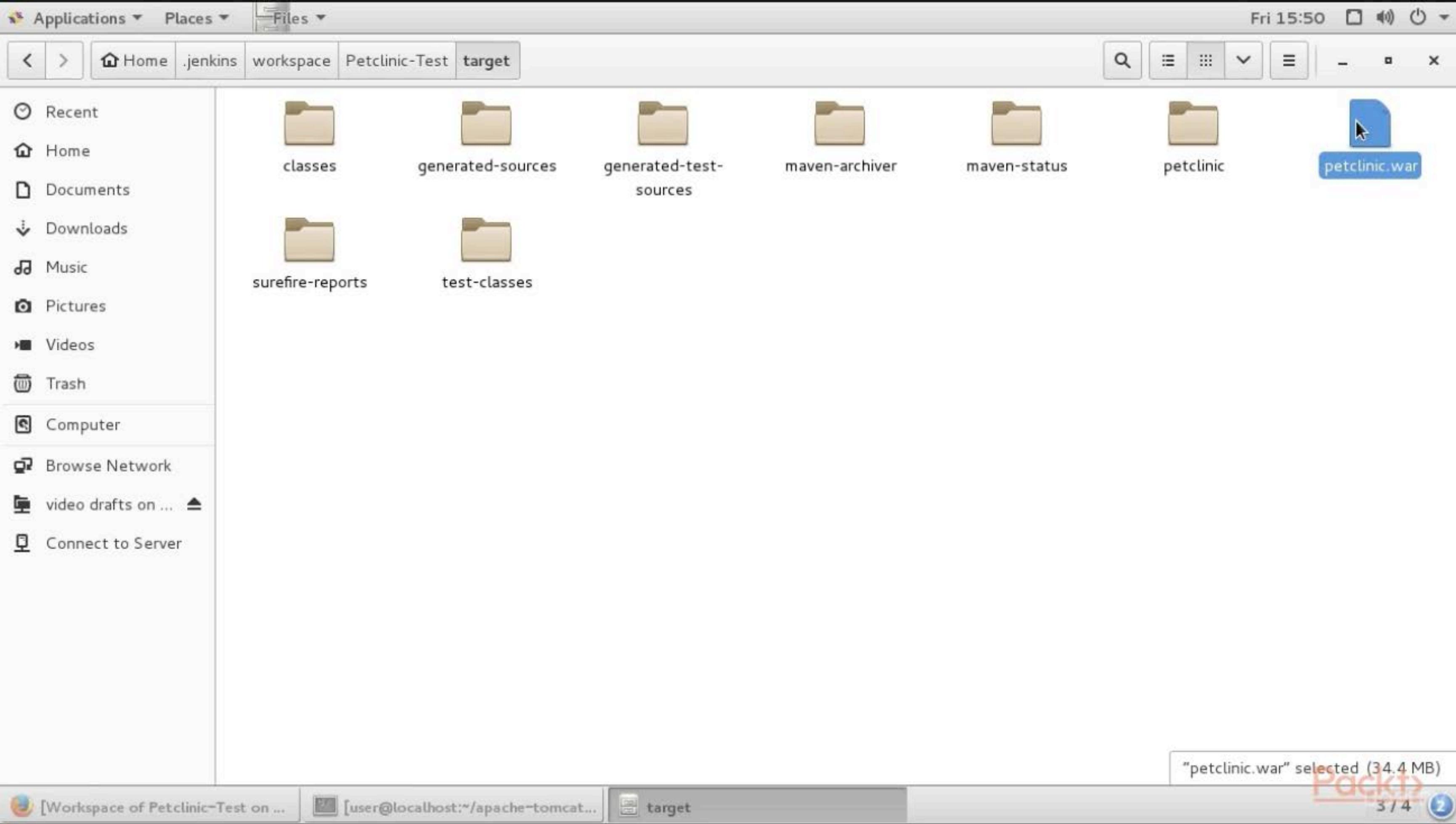
Build History trend —

find X

#	Build #	Date
6	#6	Dec 1, 2016 3:05 PM
5	#5	Dec 1, 2016 3:02 PM
4	#4	Nov 30, 2016 3:41 PM
3	#3	Nov 29, 2016 7:57 PM
2	#2	Nov 29, 2016 6:31 PM

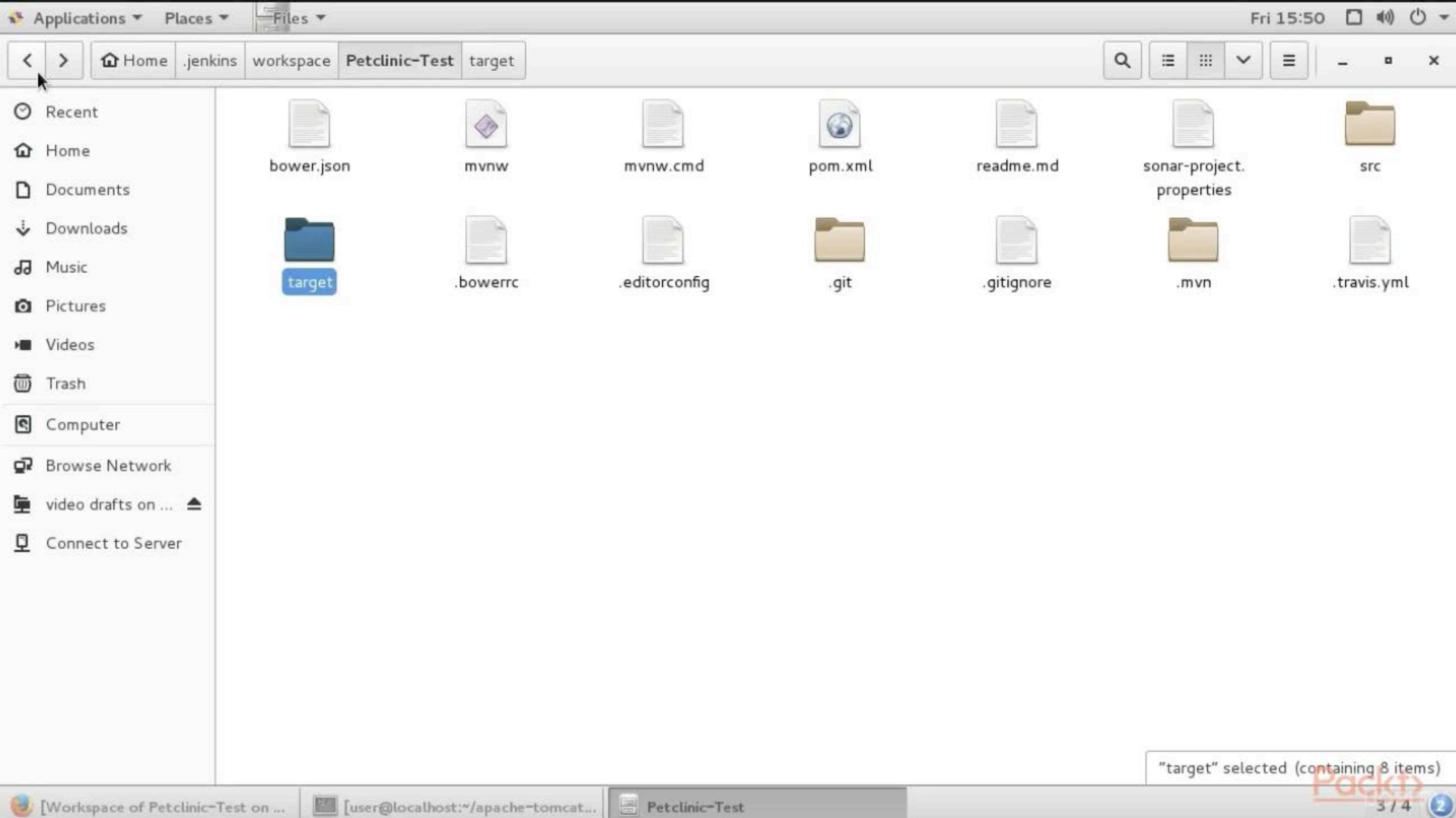
Workspace of Petclinic-Test on m... [user@localhost:~/apache-tomcat...]

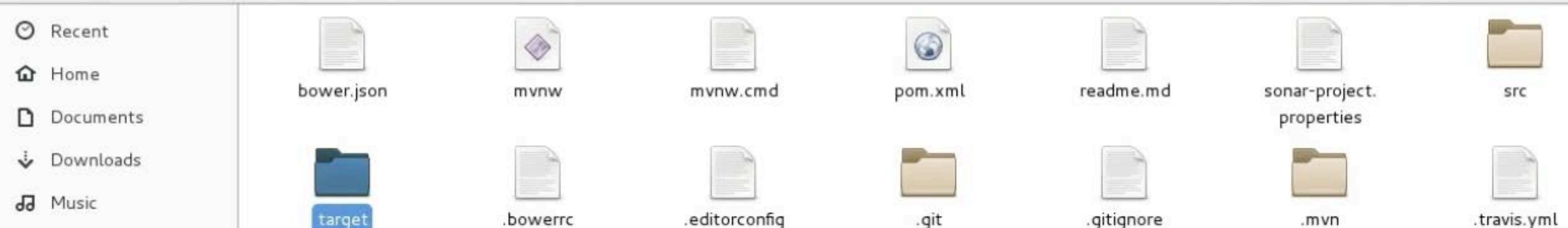
Packt 3 / 4



- Recent
- Home
- Documents
- Downloads
- Music
- Pictures
- Videos
- Trash
- Computer
- Browse Network
- video drafts on ... ▲
- Connect to Server









- Recent
- Home
- Documents
- Downloads
- Music
- Pictures
- Videos
- Trash
- Computer
- Browse Network
- video drafts on ... ▲
- Connect to Server



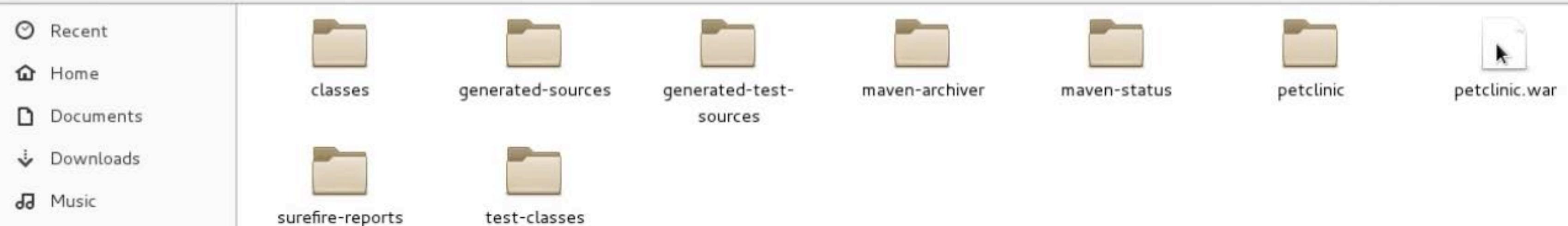
"Petclinic-Test" selected (containing 8 items)

Recent Home .jenkins workspace PetClinic-Deploy

Home Documents Downloads Music Pictures Videos Trash Computer

Browse Network video drafts on ... Connect to Server

bower.json mvnw mvnw.cmd pom.xml readme.md sonar-project.properties src target .bowerrc .editorconfig .git .gitignore .mvn .travis.yml



Petclinic-Test Config [Jenkins] - Mozilla Firefox

/manager Petclinic-Test Config ... Editing spring-petcli... +

localhost:9999/job/Petclinic-Test/configure Search

Jenkins > Petclinic-Test >

General Source Code Management Build Triggers Build Environment Build Post-build Actions Advanced...

Build other projects

Projects to build Pet

- Petclinic
- Petclinic-Code
- Petclinic-Compile
- PetClinic-Deploy
- Petclinic-Pipeline
- Petclinic-Pipeline-Build
- Petclinic-Test

Publish JUnit test result report

Test report XMLs **/target/surefire-reports/*.xml

Fileset 'includes' setting that specifies the generated raw XML report files, such as 'myproject/target/test-reports/*.xml'. Basedir of the fileset is the workspace root.

Retain long standard output/error

Health report amplification factor 1

1% failing tests scores as 99% health. 5% failing tests scores as 95% health

Do not fail the build on empty test results

Save Apply

Petclinic-Test Config [Jenkins] - ... [user@localhost:~/apache-tomcat... target

Packt 3 / 4

Petclinic-Test Config [Jenkins] - Mozilla Firefox

/manager Petclinic-Test Config ... Editing spring-petcli... +

localhost:9999/job/Petclinic-Test/configure Search

Jenkins > Petclinic-Test >

General Source Code Management Build Triggers Build Environment Build Post-build Actions Advanced...

Build other projects

Projects to build PetClinic-Deploy, | **No project specified**

Trigger only if build is stable
 Trigger even if the build is unstable
 Trigger even if the build fails

Publish JUnit test result report

Test report XMLs **/target/surefire-reports/*.xml

Fileset 'includes' setting that specifies the generated raw XML report files, such as 'myproject/target/test-reports/*.xml'. Basedir of the fileset is the workspace root.

Retain long standard output/error

Health report amplification factor 1

1% failing tests scores as 99% health. 5% failing tests scores as 95% health

Do not fail the build on empty test results

Save Apply

Petclinic-Test Config [Jenkins] - ... [user@localhost:~/apache-tomcat... target

Packt 3 / 4

Applications ▾ Places ▾ Firefox Web Browser ▾ Fri 15:52

Petclinic-Test Config [Jenkins] - Mozilla Firefox

/manager Connecting... Editing spring-petcli... +

localhost:9999/job/Petclinic-Test/configure × Search

Jenkins > Petclinic-Test >

General Source Code Management Build Triggers Build Environment Build Post-build Actions Advanced...

Build other projects

Projects to build PetClinic-Deploy,

Trigger only if build is stable
 Trigger even if the build is unstable
 Trigger even if the build fails

Publish JUnit test result report

Test report XMLs **/target/surefire-reports/*.xml

Fileset 'includes' setting that specifies the generated raw XML report files, such as 'myproject/target/test-reports/*.xml'. Basedir of the fileset is the workspace root.

Retain long standard output/error

Health report amplification factor 1

1% failing tests scores as 99% health. 5% failing tests scores as 95% health

Do not fail the build on empty test results

Allow empty results Save Apply

Waiting for localhost...

Petclinic-Test Config [Jenkins] - ... [user@localhost:~/apache-tomcat...] target

Packt 3 / 4

Dashboard [Jenkins] - Mozilla Firefox

/manager Dashboard [Jenkins] Editing spring-petcli... +

localhost:9999

Search

Jenkins

Jenkins

New Item People Build History Project Relationship Check File Fingerprint Manage Jenkins My Views Credentials

All PetClinic-Fir Petclinic-Build-Pipeline-View +

S	W	Name	Last Success	Last Failure	Last Duration
		Petclinic	3 days 23 hr - #12	N/A	1 min 41 sec
		Petclinic-Code	2 days 0 hr - #7	2 days 21 hr - #6	5 min 18 sec
		Petclinic-Compile	2 days 0 hr - #4	2 days 21 hr - #1	1 min 41 sec
		PetClinic-Deploy	20 min - #1	N/A	2 min 6 sec
		Petclinic-Pipeline	2 days 2 hr - #16	2 days 2 hr - #15	5 min 28 sec
		Petclinic-Pipeline-Build	2 days 19 hr - #1	N/A	3 min 30 sec
		Petclinic-Test	1 day 0 hr - #6	1 day 0 hr - #5	1 min 9 sec

Icon: S M L

Legend RSS for all RSS for failures RSS for just latest builds

Build Queue
No builds in the queue.

Build Executor Status

master	TestServer
1 Idle	1 Idle
2 Idle	
	1 Idle

Dashboard [Jenkins] - Mozilla Fire... [user@localhost:~/apache-tomcat... target

Packt 3 / 4

Dashboard [Jenkins] - Mozilla Firefox

/manager Connecting... Editing spring-petclini... +

localhost:9999/view/Petclinic-Build-Pipeline-View/ X Search

Jenkins

Jenkins | search | Packt Pub | log out | ENABLE AUTO REFRESH

New Item | add description

People

Build History

Project Relationship

Check File Fingerprint

Manage Jenkins

My Views

Credentials

Build Queue

No builds in the queue.

Build Executor Status

master: 1 Idle, 2 Idle

TestServer: Waiting for localhost...

All PetClinic-First Petclinic-Build-Pipeline-View +

S	W	Name	Last Success	Last Failure	Last Duration
		Petclinic	3 days 23 hr - #12	N/A	1 min 41 sec
		Petclinic-Code	2 days 0 hr - #7	2 days 21 hr - #6	5 min 18 sec
		Petclinic-Compile	2 days 0 hr - #4	2 days 21 hr - #1	1 min 41 sec
		PetClinic-Deploy	20 min - #1	N/A	2 min 6 sec
		Petclinic-Pipeline	2 days 2 hr - #16	2 days 2 hr - #15	5 min 28 sec
		Petclinic-Pipeline-Build	2 days 19 hr - #1	N/A	3 min 30 sec
		Petclinic-Test	1 day 0 hr - #6	1 day 0 hr - #5	1 min 9 sec

Icon: S M L

Legend RSS for all RSS for failures RSS for just latest builds

Dashboard [Jenkins] - Mozilla Fire... [user@localhost:~/apache-tomcat... target

Packt 3 / 4

Petclinc-Build-Pipeline-View [Jenkins] – Mozilla Firefox

[/manager](#)[Petclinc-Build-Pipel...](#)[Petclinc-Build-Pipel...](#)[Editing spring-petcli...](#)[localhost:9999/view/Petclinc-Build-Pipeline-View/](#)[Search](#)

Jenkins > Petclinc-Build-Pipeline-View

[search](#)[Packt Pub](#) | log out

ENABLE AUTO REFRESH

Build Pipeline



Petclinic-Compile

Health:

Build No.: #4

Petclinic-Test

Health:

Build No.: #6

PetClinic-Deploy

Health:

Build No.: #1

Pipeline #4

#4 Petclinic-Compile

30 Nov. 2016 3:40:01 PM

1 min 41 sec

packt

#4 Petclinic-Test

30 Nov. 2016 3:41:51 PM

3 min 45 sec

PetClinic-Deploy

N/A

N/A

Pipeline #3

#3 Petclinic-Compile

29 Nov. 2016 7:55:39 PM

Petclinic-Test

N/A

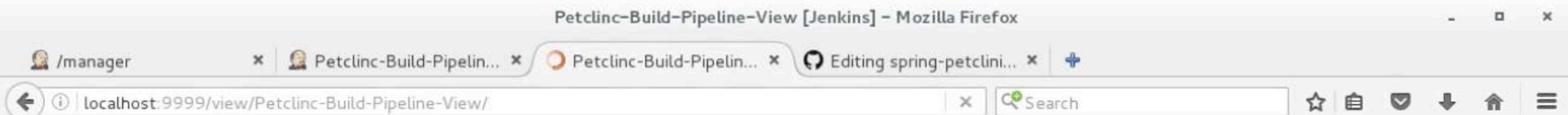
N/A

PetClinic-Deploy

N/A

N/A

localhost:9999/view/Petclinc-Build-Pipeline-View/#



Jenkins > Petclinc-Build-Pipeline-View >

localhost:9999/view/Petclinc-Build-Pipeline-View/#

Petclinc-Build-Pipeline-View [Jen...]

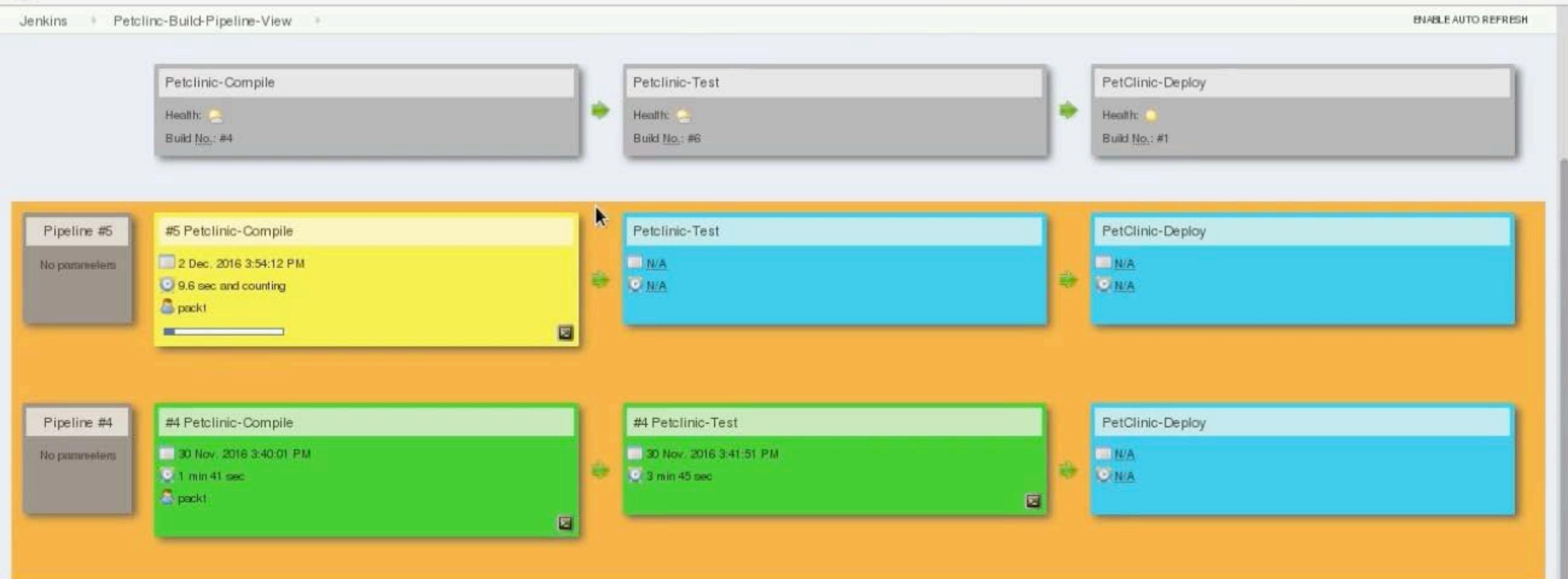
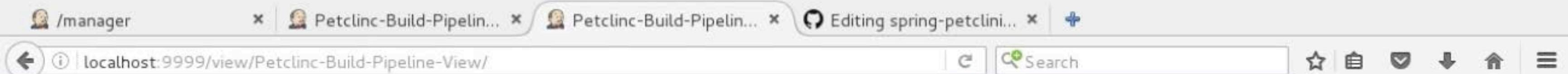
[user@localhost:~/apache-tomcat...]

target

Packt

3 / 4

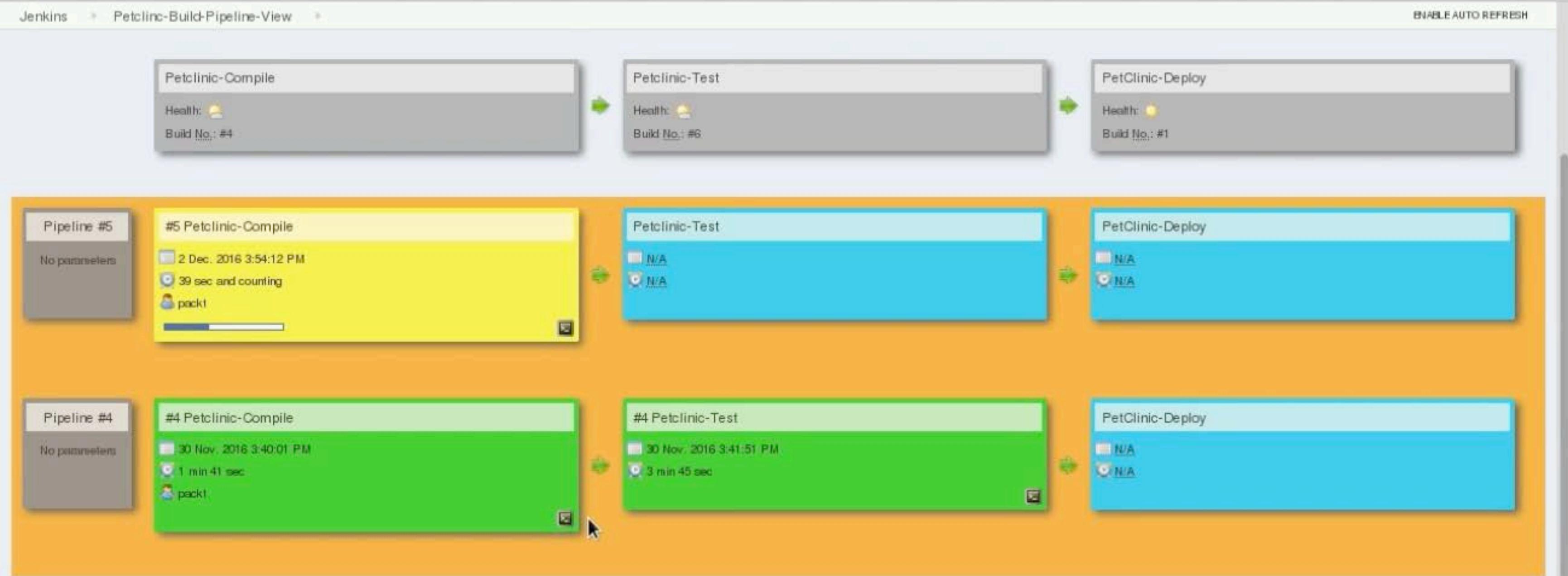
Petclinc-Build-Pipeline-View [Jenkins] – Mozilla Firefox



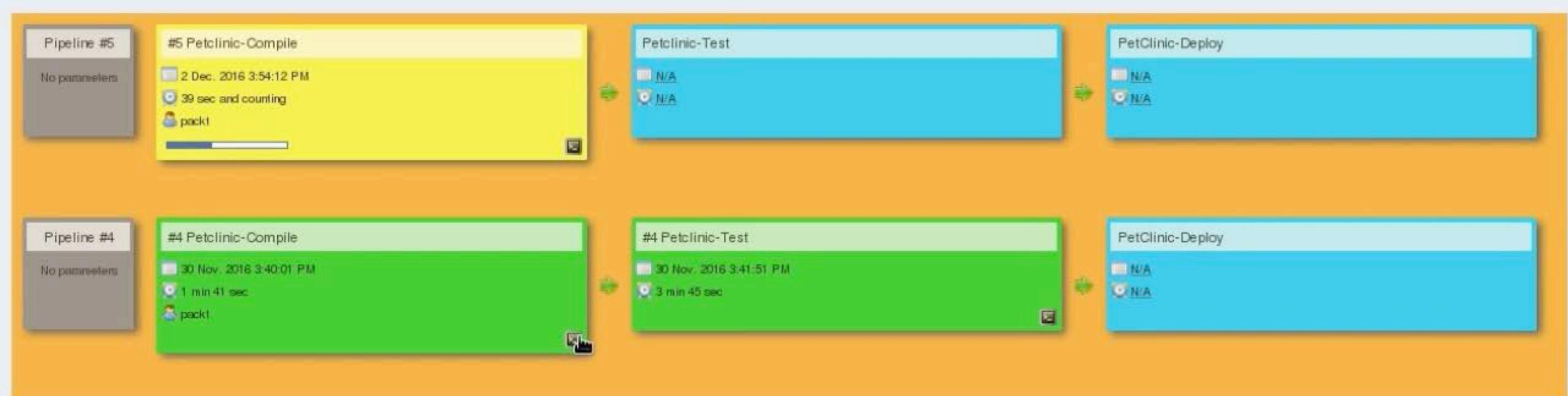
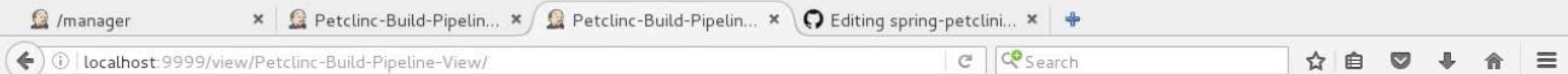
Petclinc-Build-Pipeline-View [Jenkins] – Mozilla Firefox

/manager | Petclinc-Build-Pipel... | Petclinc-Build-Pipel... | Editing spring-petclini... | +

localhost:9999/view/Petclinc-Build-Pipeline-View/ | C | Search | ☆ | ☰ | ↴ | ⌂ | ⌃ | ⌁



Petclinc-Build-Pipeline-View [Jenkins] – Mozilla Firefox



Petclinc-Build-Pipeline-View [Jenkins] – Mozilla Firefox

[/manager](#)[Petclinc-Build-Pipel...](#)[Petclinc-Build-Pipel...](#)[Editing spring-petclini...](#)

localhost:9999/view/Petclinc-Build-Pipeline-View/

Search



jenkins

Petclinc-Build-Pipeline-View

ENABLE AUTO REFRESH

Petclinic-Compile

Petclinic-Test

PetClinic-Deploy

**HTTP Status 404 - /view/Petclinc-Build-Pipeline-View/job/Petclinic-Compile/4/console****type** Status report**message** /view/Petclinc-Build-Pipeline-View/job/Petclinic-Compile/4/console**description** The requested resource is not available.**Apache Tomcat/7.0.73**

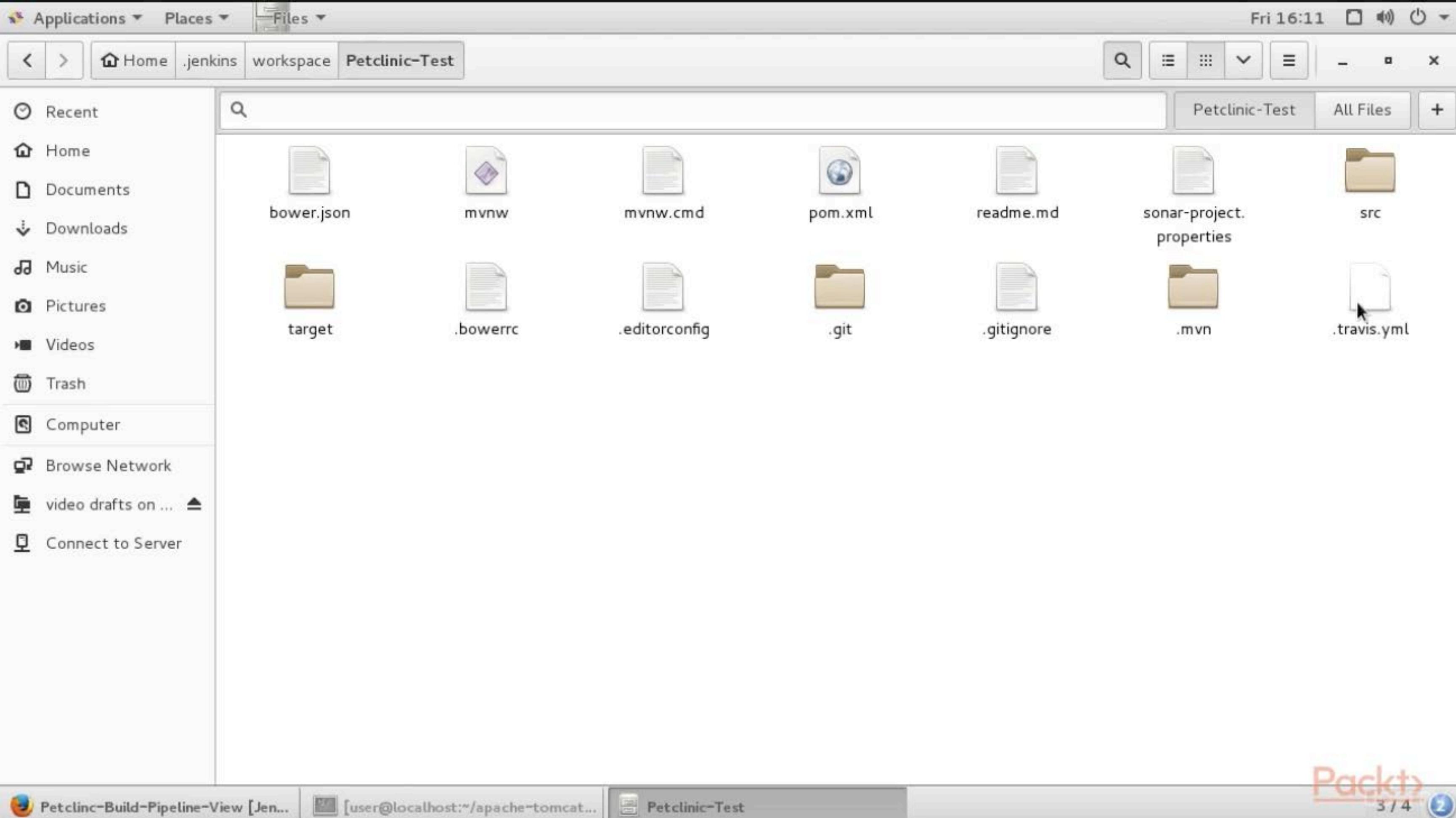
Pipeline #5

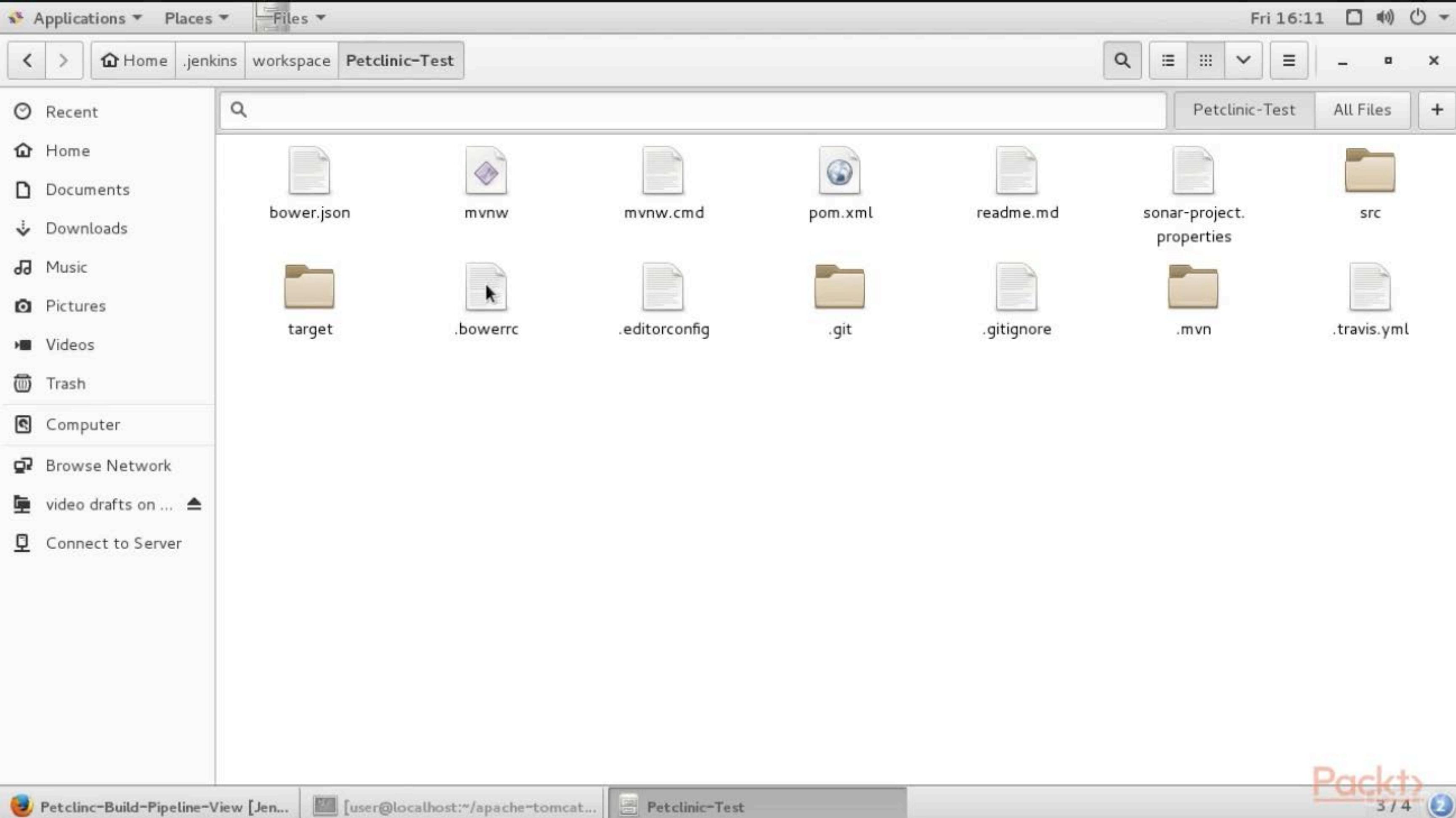
No pipelines

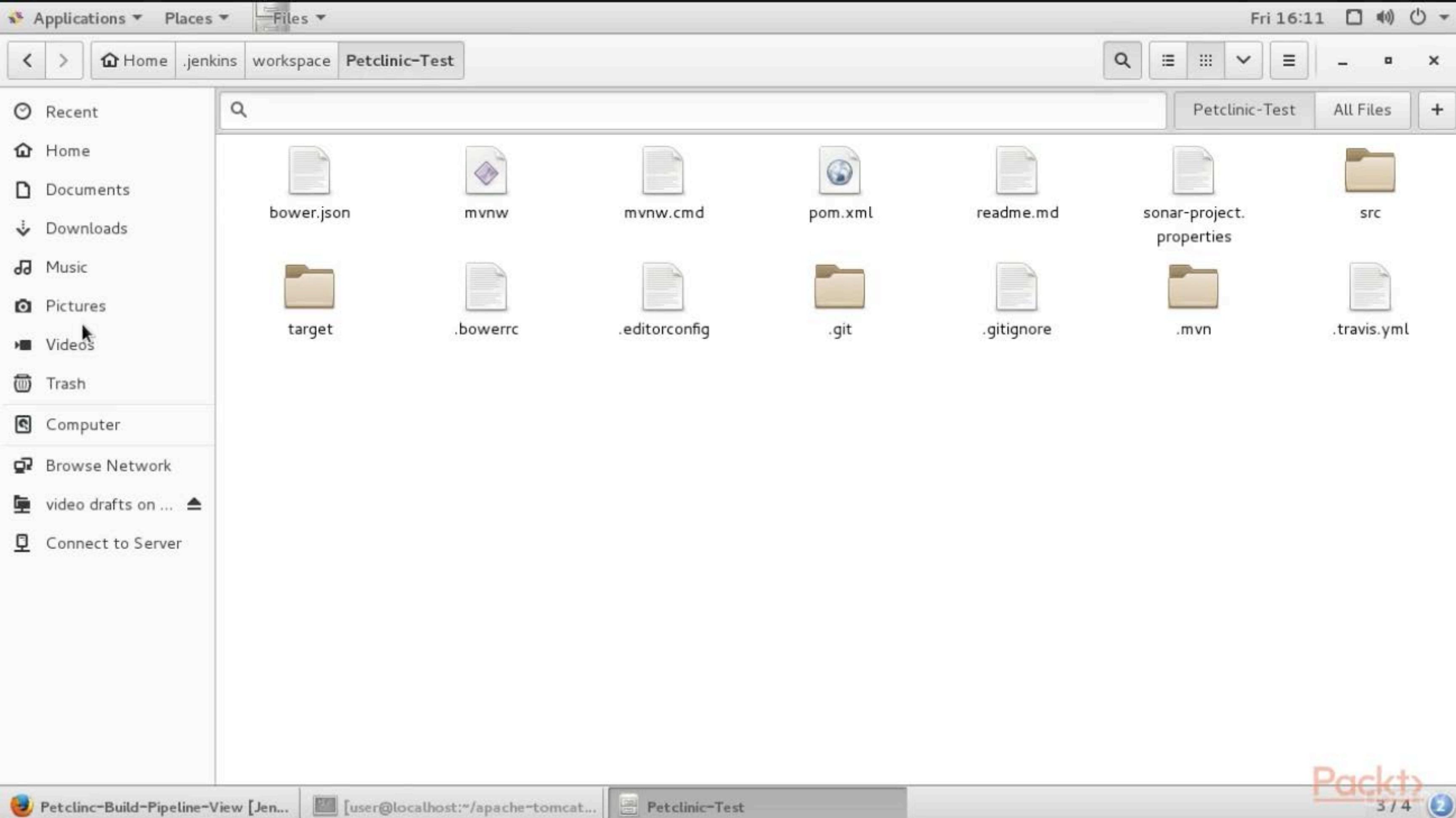
Pipeline #4

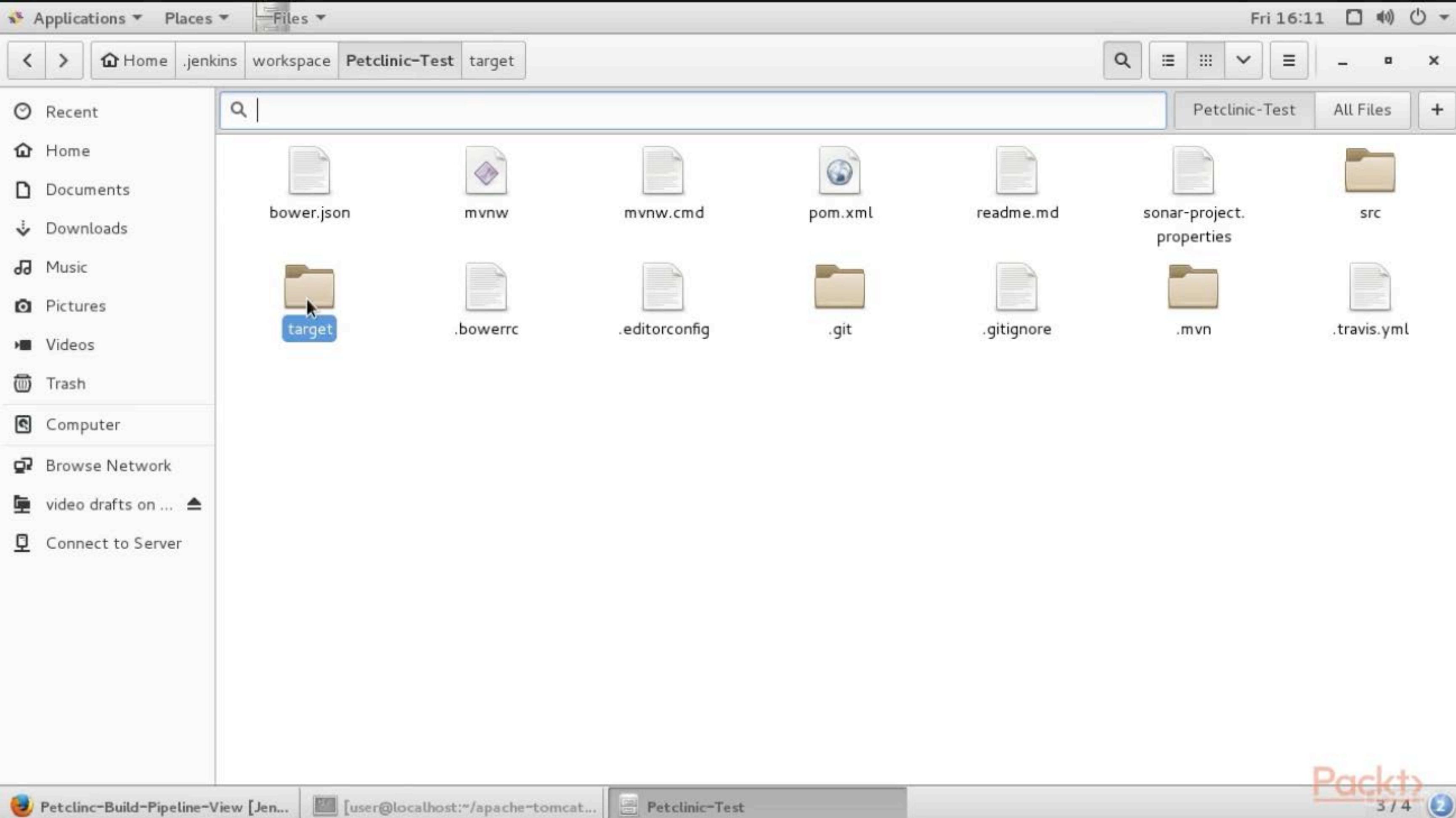
No pipelines

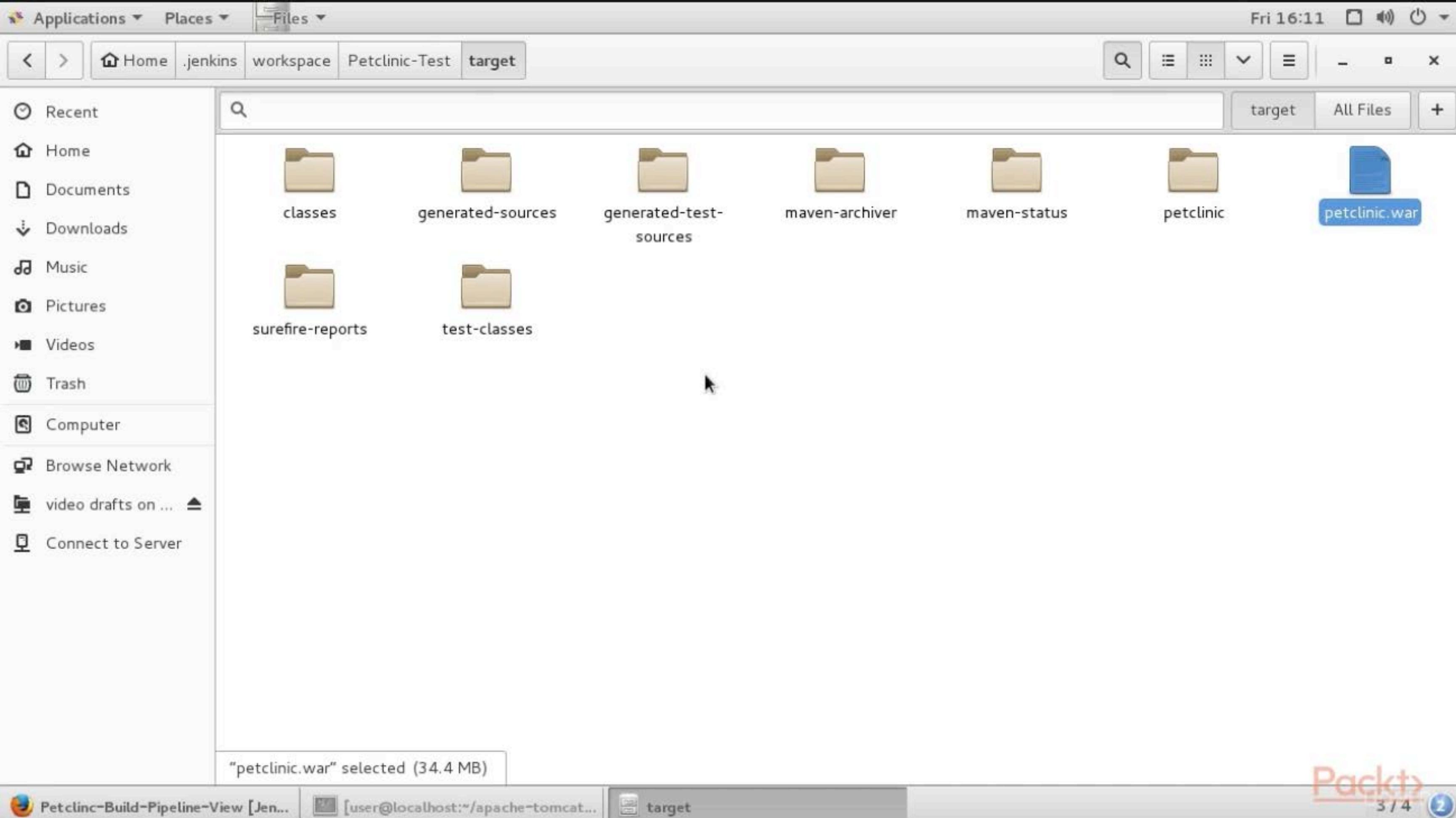
Console output for Petclinic-Compile #4

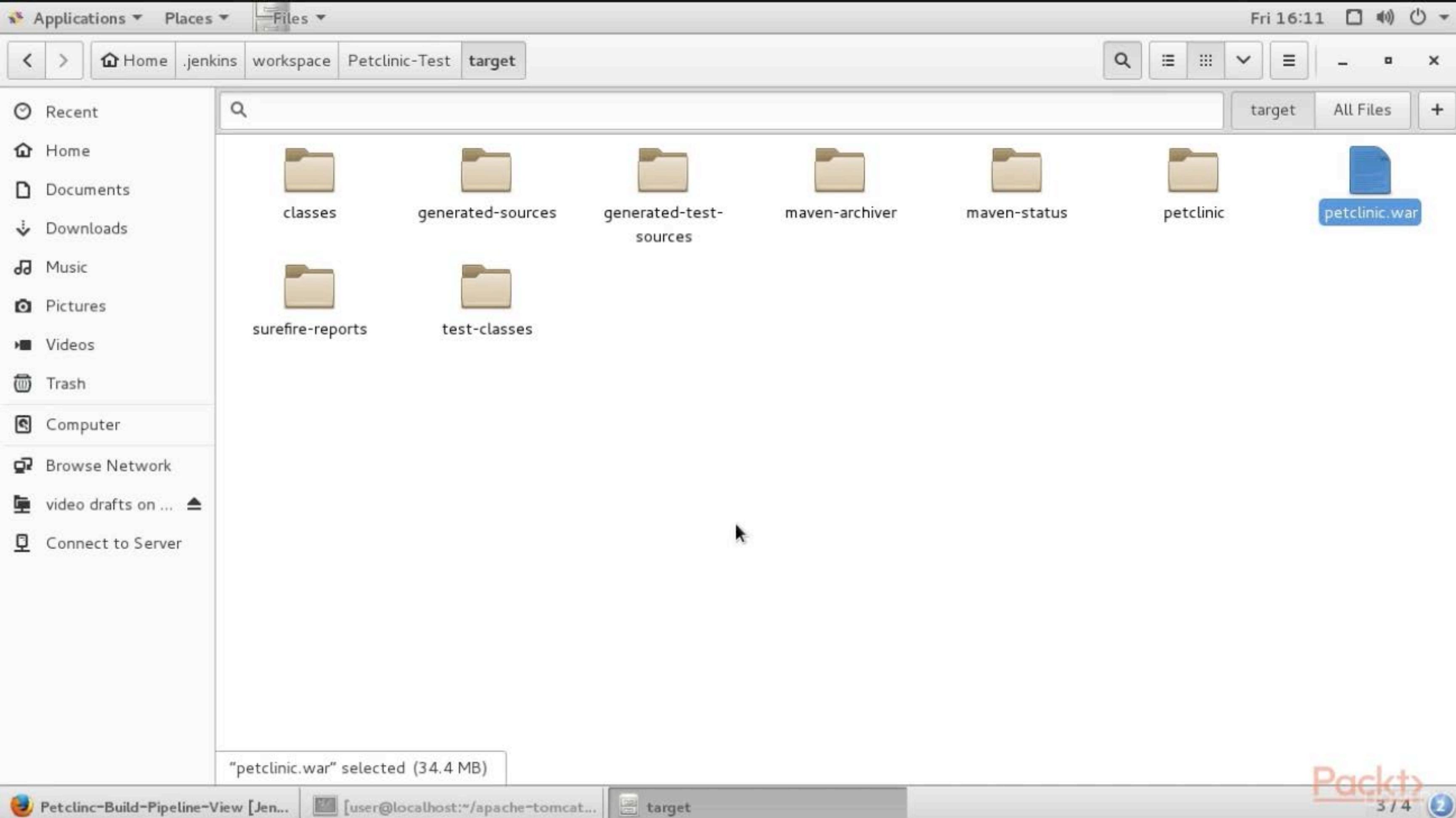


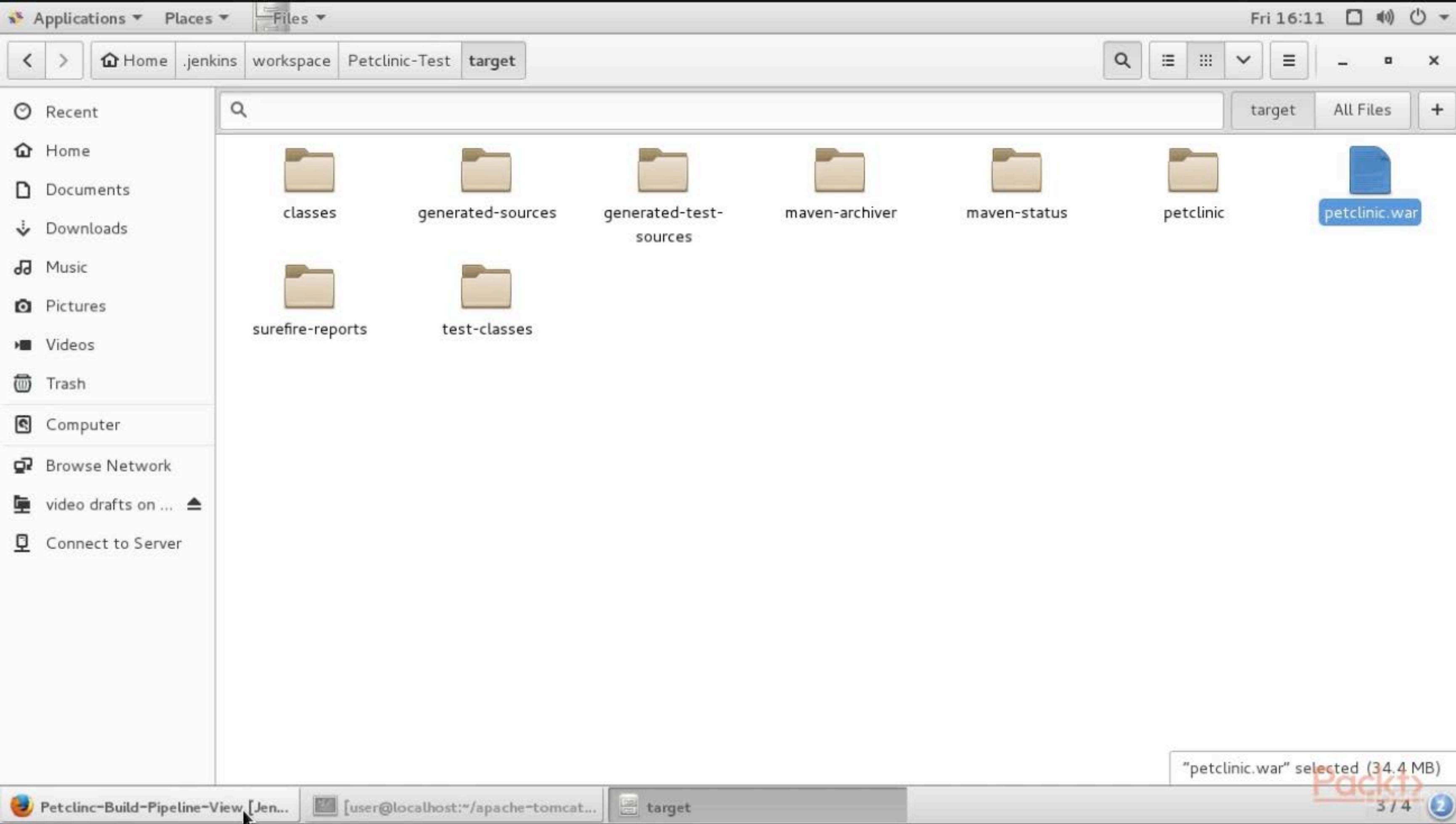












Petclinc-Build-Pipeline-View [Jenkins] - Mozilla Firefox

/manager x Petclinc-Build-Pipelin... x Petclinc-Build-Pipelin... x Editing spring-petclini... x +

localhost:9999/view/Petclinc-Build-Pipeline-View/ C Search star list refresh down home menu

Jenkins > Petclinc-Build-Pipeline-View > ENABLE AUTO REFRESH

Petclinic-Test → PetClinic-Deploy

Health: green Build No.: #15

PetClinic-Deploy

Health: yellow Build No.: #2

Pipeline #15 #15 Petclinic-Test → PetClinic-Deploy

No parameters

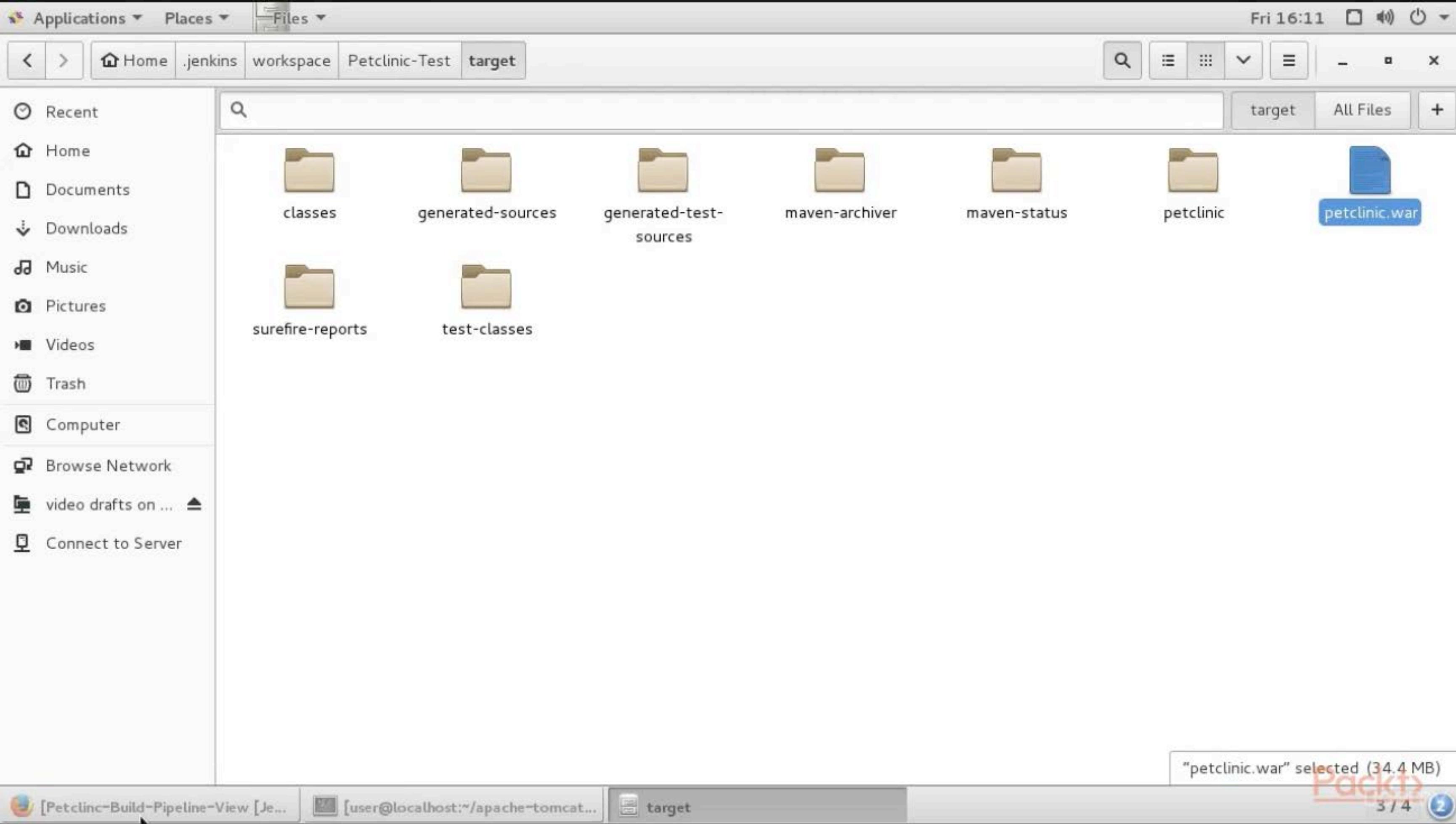
2 Dec, 2016 4:07:00 PM 2 min 7 sec packt

Pipeline #14 #14 Petclinic-Test → #2 PetClinic-Deploy

No parameters

2 Dec, 2016 4:05:09 PM 1 min 11 sec packt

2 Dec, 2016 4:06:30 PM 2 min 52 sec



"petclinic.war" selected (34.4 MB)

Packt

Petclinc-Build-Pipeline-View [Jenkins] – Mozilla Firefox

/manager Petclinc-Build-Pipelin... Petclinc-Build-Pipelin... Editing spring-petclini... +

localhost:9999/view/Petclinc-Build-Pipeline-View/ C Search ☆ ⌂ ⌂ ⌂ ⌂ ⌂

Jenkins Petclinc-Build-Pipeline-View ENABLE AUTO REFRESH

Petclinic-Test PetClinic-Deploy

Health:
Build No.: #15 Build No.: #2

Pipeline #15 Pipeline #14

#15 Petclinic-Test #14 Petclinic-Test #2 PetClinic-Deploy

No parameters No parameters

2 Dec. 2016 4:07:00 PM 2 Dec. 2016 4:05:09 PM 2 Dec. 2016 4:06:30 PM

2 min 7 sec 1 min 11 sec 2 min 52 sec

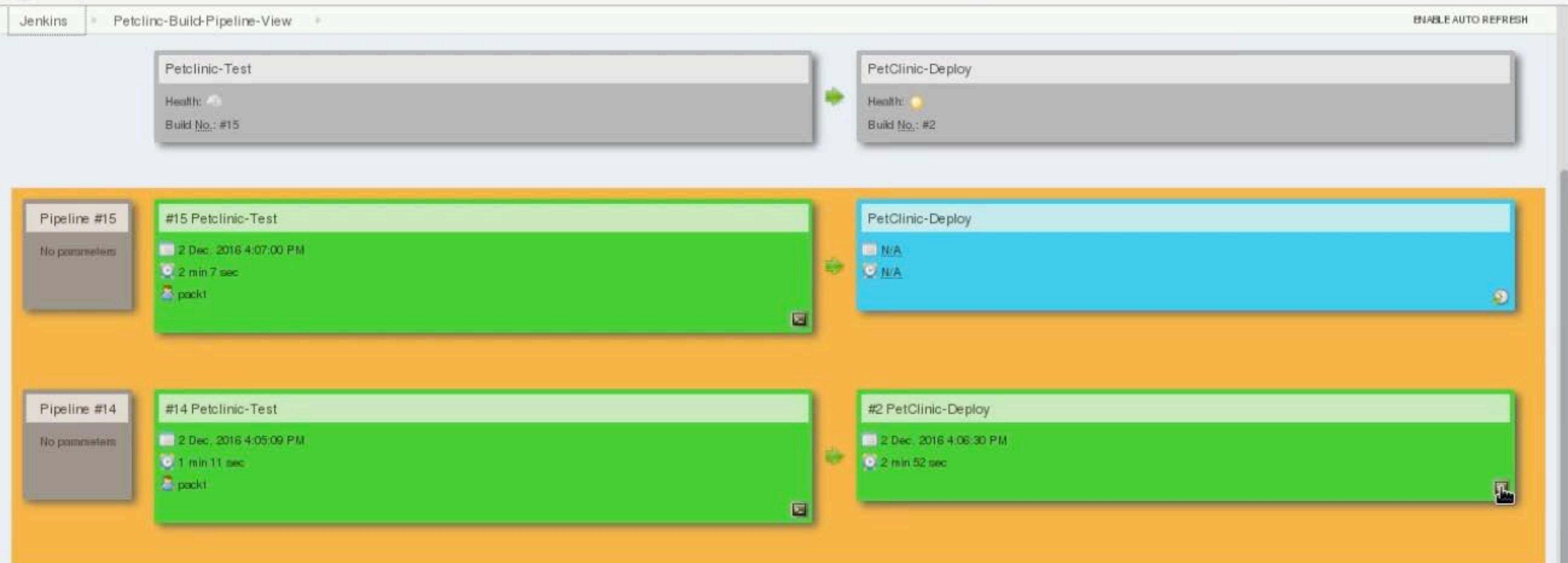
packt packt

A screenshot of a Jenkins pipeline view titled "Petclinc-Build-Pipeline-View". The interface shows two parallel pipelines: "Petclinic-Test" and "PetClinic-Deploy". Each pipeline has two builds: #15 and #2. The builds are represented by colored cards (green for successful, blue for N/A) with details like date, duration, and author. The "Petclinic-Test" pipeline has build #15 (green card) and build #2 (blue card). The "PetClinic-Deploy" pipeline has build #15 (green card) and build #2 (blue card). The "Pipeline #15" and "Pipeline #14" sections are also visible on the left.

Petclinc-Build-Pipeline-View [Jenkins] – Mozilla Firefox

/manager x Petclinc-Build-Pipel... x Petclinc-Build-Pipel... x Editing spring-petclini... x +

localhost:9999/view/Petclinc-Build-Pipeline-View/ C Search star list down home menu



Petclinc-Build-Pipeline-View [Jenkins] – Mozilla Firefox

/manager

Connecting...

Petclinc-Build-Pipeline-View

Editing spring-petclini...



localhost:9999/view/Petclinc-Build-Pipeline-View/

Search



Jenkins

Petclinc-Build-Pipeline-View

BUBBLE AUTO REFRESH

Petclinc-Test

PetClinic-Deploy

Pipeline #15

No pending builds

Pipeline #14

No pending builds

Console output for PetClinic-Deploy #2

Petclinc-Build-Pipeline-View [Jenkins] – Mozilla Firefox

/manager

Petclinc-Build-Pipel...

Petclinc-Build-Pipel...

Editing spring-petclini...



localhost:9999/view/Petclinc-Build-Pipeline-View/

Search



Jenkins

Petclinc-Build-Pipeline-View

BUBBLE AUTO REFRESH

Petclinc-Test

Health

PetClinic-Deploy

Health



HTTP Status 404 - /job/PetClinic-Deploy/2/console

type Status report**message** </job/PetClinic-Deploy/2/console>**description** The requested resource is not available.

Apache Tomcat/7.0.73

Pipeline #15

No promotions

Pipeline #14

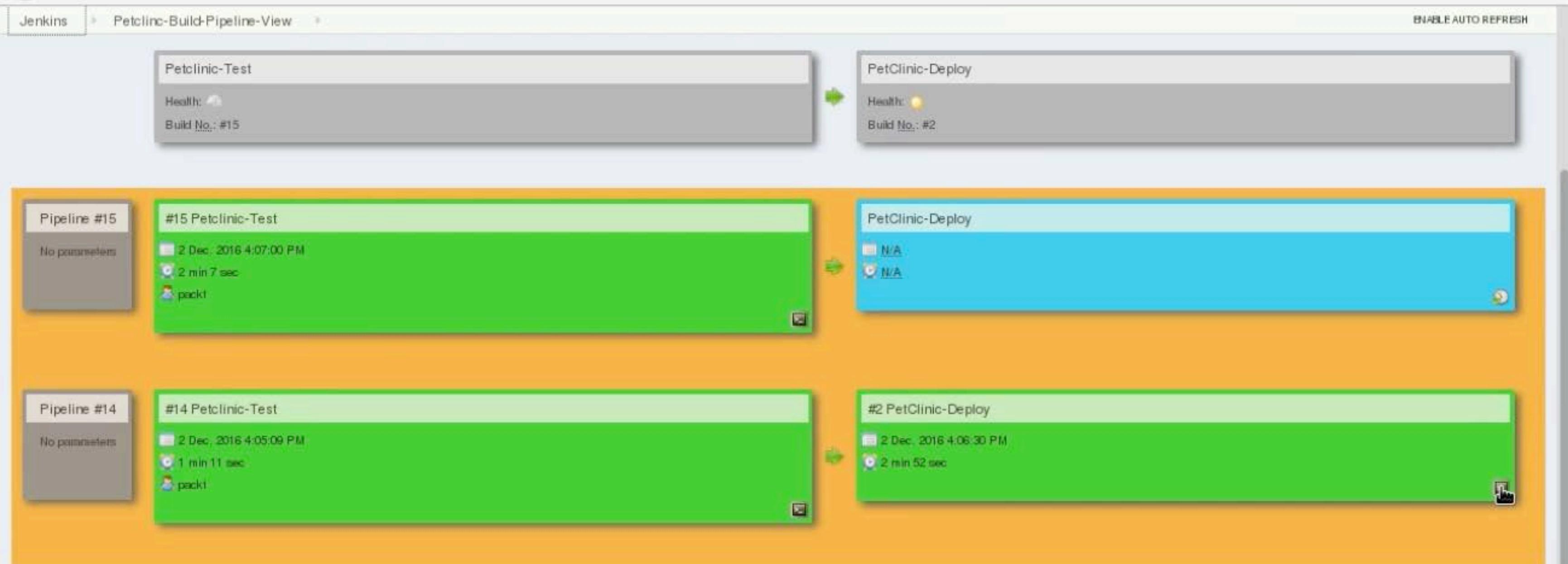
No promotions

Console output for PetClinic-Deploy #2

Petclinc-Build-Pipeline-View [Jenkins] – Mozilla Firefox

/manager x Petclinc-Build-Pipel... x Petclinc-Build-Pipel... x Editing spring-petcli... x +

localhost:9999/view/Petclinc-Build-Pipeline-View/ C Search star list down home menu



Petclinc-Build-Pipeline-View [Jenkins] – Mozilla Firefox

/manager

Connecting...

Petclinc-Build-Pipel...

Editing spring-petclini...



localhost:9999/view/Petclinc-Build-Pipeline-View/

Search



Jenkins Petclinc-Build-Pipeline-View ENABLE AUTO REFRESH

Pipeline #15
No jobs running

Pipeline #14
No jobs running

PetClinic-Test Health

PetClinic-Deploy Health

Console output for PetClinic-Deploy #2

Transferring data from localhost...

Page generated: Dec 2, 2016 4:07:02 PM IST REST API Jenkins ver. 2.34

Petclinc-Build-Pipeline-View [Jenkins] – Mozilla Firefox

/manager

Petclinc-Build-Pipel...

Petclinc-Build-Pipel...

Editing spring-petclini...

+

localhost:9999/view/Petclinc-Build-Pipeline-View/

Search



jenkins

Petclinc-Build-Pipeline-View

ENABLE AUTO REFRESH

Petclinc-Test

Health

PetClinic-Deploy

Health



HTTP Status 404 - /job/PetClinic-Deploy/2/console

type Status report**message** </job/PetClinic-Deploy/2/console>**description** The requested resource is not available.

Apache Tomcat/7.0.73

Pipeline #15

No progress

Pipeline #14

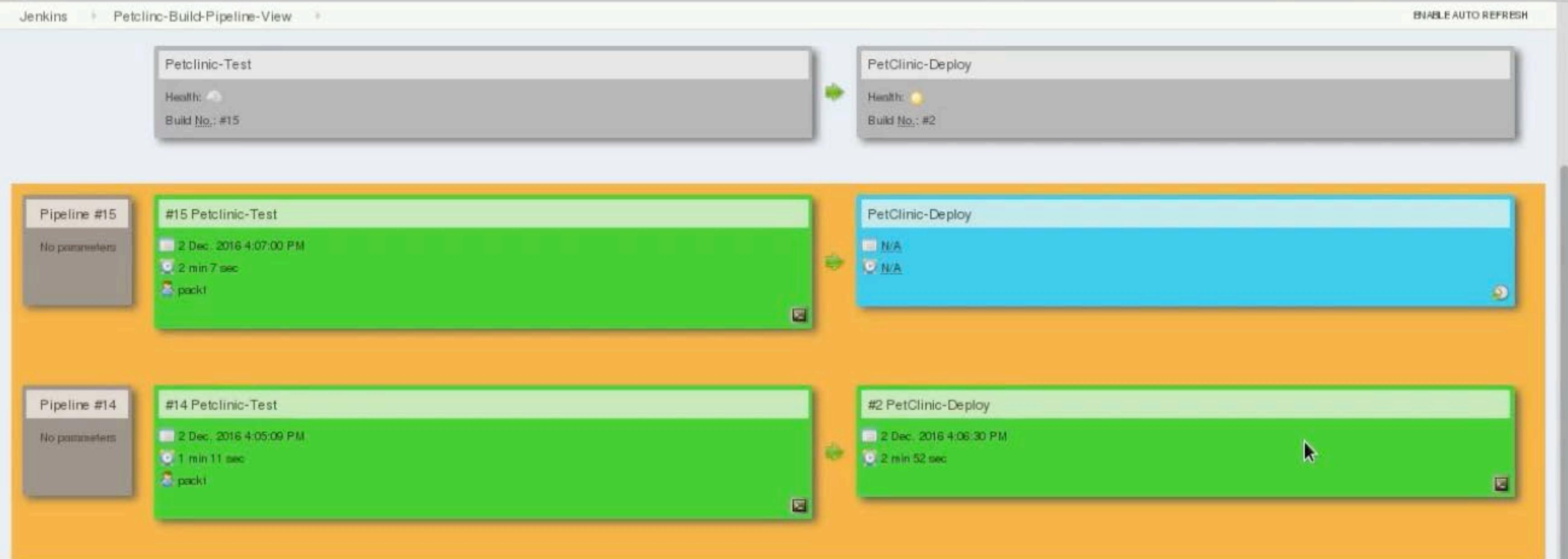
No progress

Console output for PetClinic-Deploy #2

Petclinc-Build-Pipeline-View [Jenkins] – Mozilla Firefox

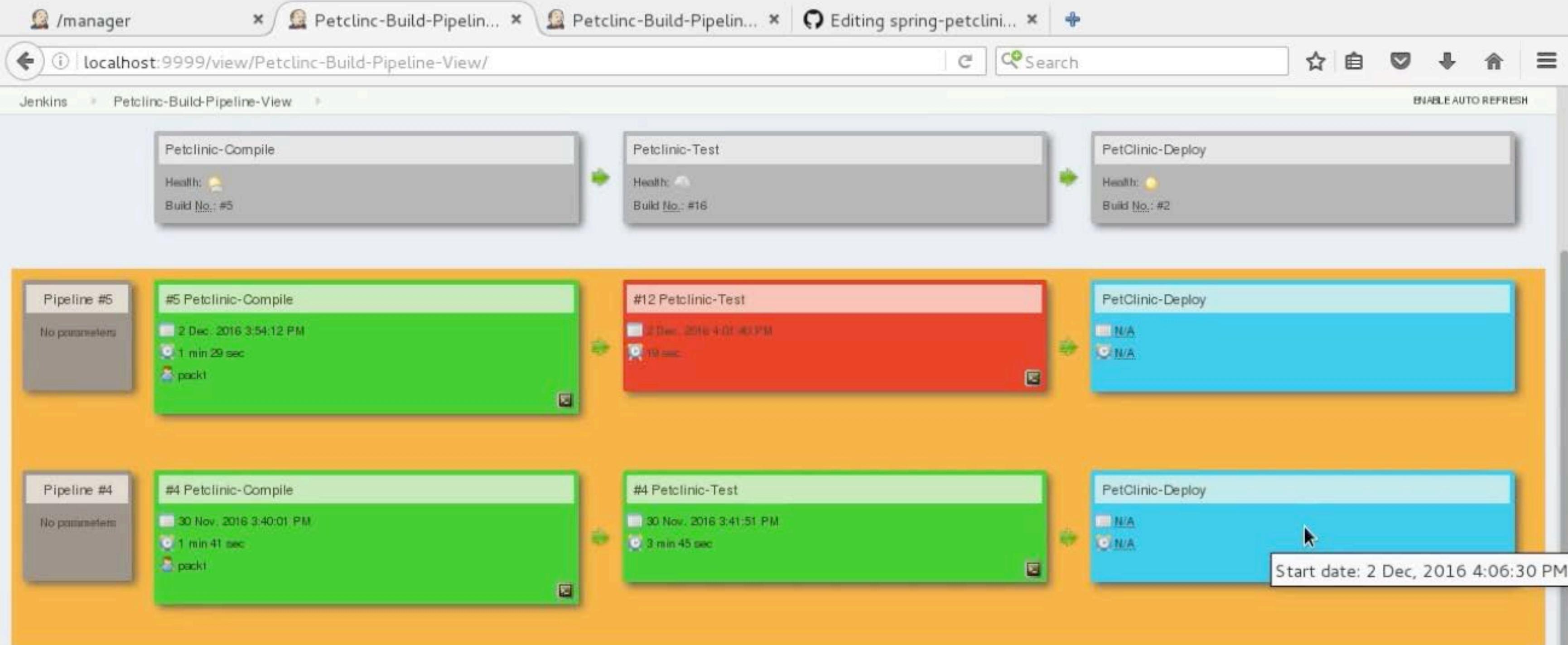
/manager x Petclinc-Build-Pipel... x Petclinc-Build-Pipel... x Editing spring-petclini... x +

localhost:9999/view/Petclinc-Build-Pipeline-View/ x Search star list refresh down home menu

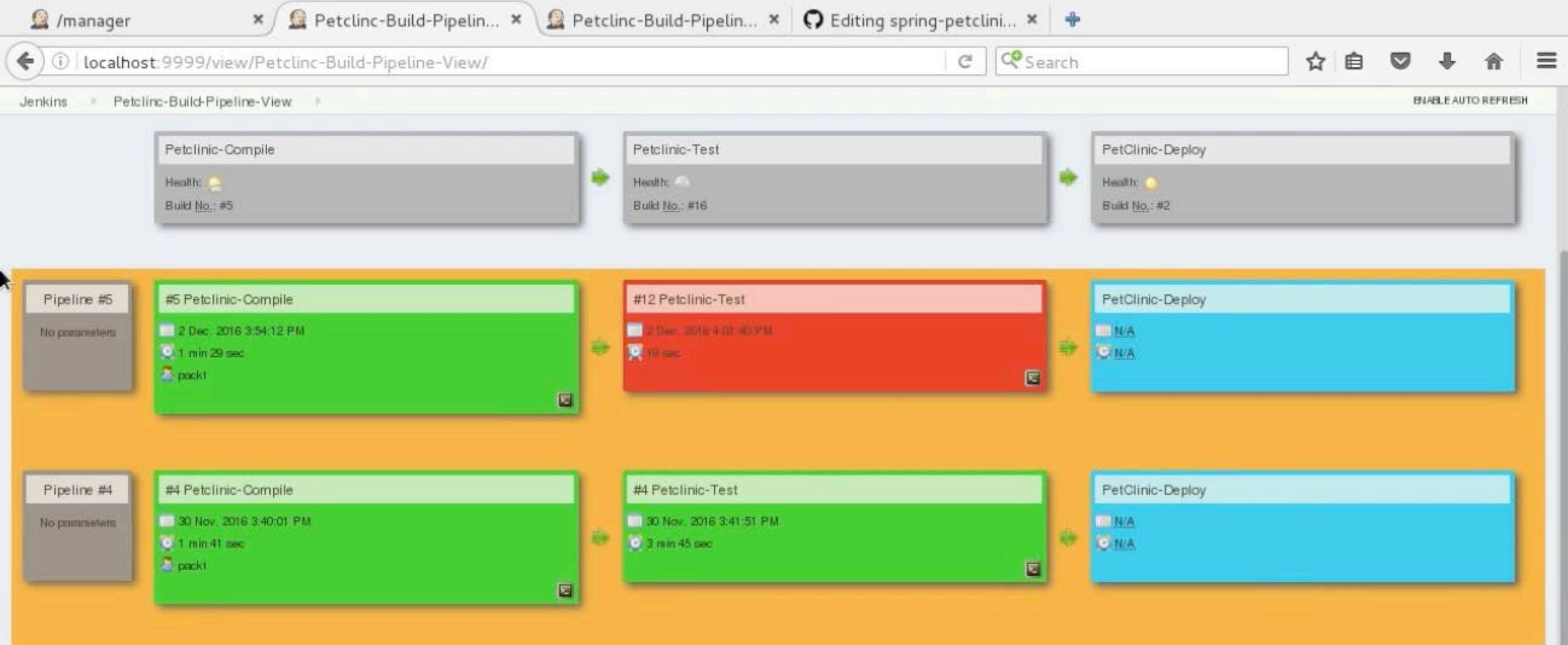


Read localhost

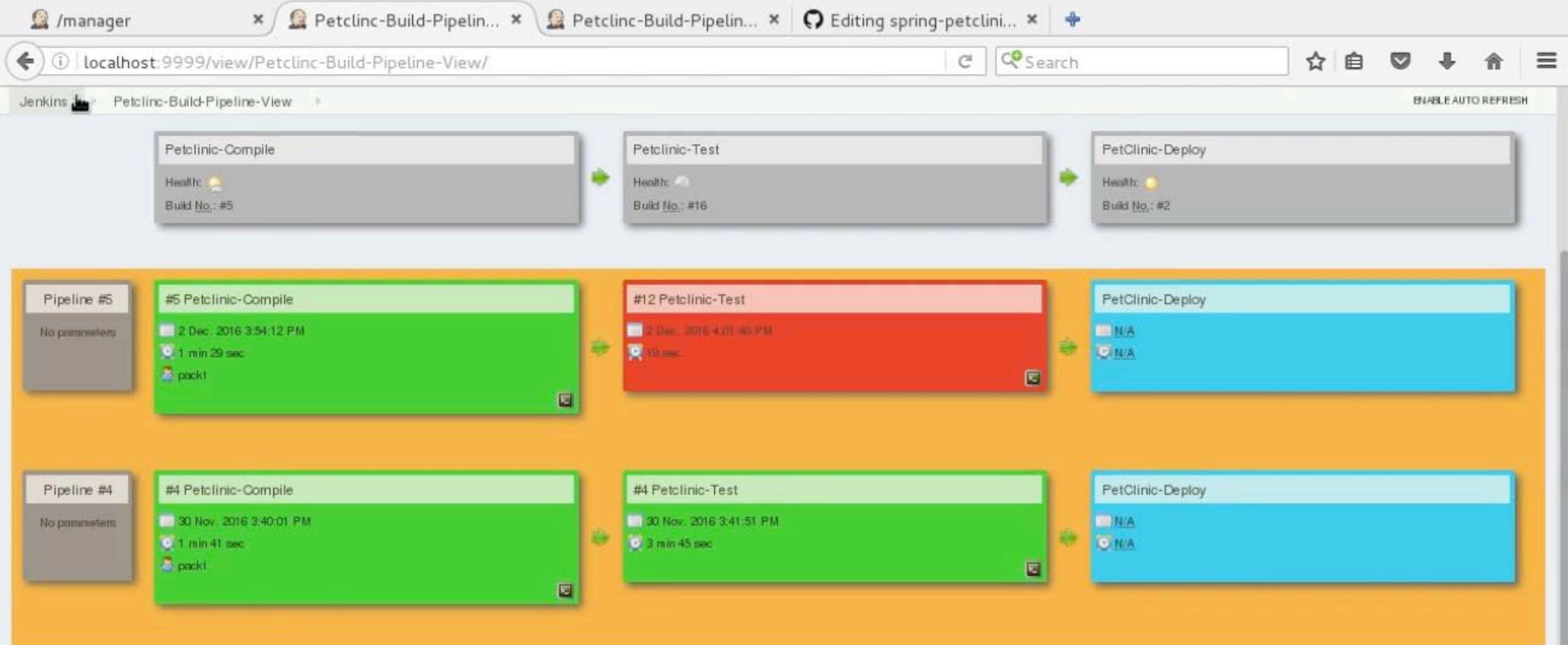
Petclinc-Build-Pipeline-View [Jenkins] – Mozilla Firefox



Petclinc-Build-Pipeline-View [Jenkins] – Mozilla Firefox



Petclinc-Build-Pipeline-View [Jenkins] – Mozilla Firefox



Petclinc-Build-Pipeline-View [Jenkins] – Mozilla Firefox

[/manager](#)[Petclinc-Build-Pipel...](#)[Petclinc-Build-Pipel...](#)[Editing spring-petcli...](#)[localhost:9999/view/Petclinc-Build-Pipeline-View/](#)[Search](#)

Jenkins

Jenkins

[search](#)[Packt Pub](#) | [log out](#)[ENABLE AUTO REFRESH](#)[New Item](#)[add description](#)[People](#)[Build History](#)[Project Relationship](#)[Check File Fingerprint](#)[Manage Jenkins](#)[My Views](#)[Credentials](#)[Build Queue \(1\)](#)[PetClinic-Deploy](#)[Build Executor Status](#)[master](#)

1 Idle

2 Idle

[TestServer](#)

Waiting for localhost...

[All](#) [PetClinic-First](#) [Petclinc-Build-Pipeline-View](#) [+](#)

S	W	Name	Last Success	Last Failure	Last Duration
		Petclinic	3 days 23 hr - #12	N/A	1 min 41 sec
		Petclinic-Code	2 days 0 hr - #7	2 days 21 hr - #5	5 min 18 sec
		Petclinic-Compile	17 min - #5	2 days 21 hr - #1	1 min 29 sec
		PetClinic-Deploy	5 min 29 sec - #2	N/A	2 min 52 sec
		Petclinic-Pipeline	2 days 2 hr - #16	2 days 2 hr - #15	5 min 28 sec
		Petclinic-Pipeline-Build	2 days 20 hr - #1	N/A	3 min 30 sec
		Petclinic-Test	2 min 51 sec - #16	8 min 32 sec - #13	2 min 17 sec

Icon: [S](#) [M](#) [L](#)[Legend](#) [RSS for all](#) [RSS for failures](#) [RSS for just latest builds](#)

Jenkins

Jenkins > Petclinc-Build-Pipeline-View >

Build Pipeline

Run History Configure Add Step Delete Manage

Petclinic-Compile
Health:
Build No.: #5

Petclinic-Test
Health:
Build No.: #16

PetClinic-Deploy
Health:
Build No.: #2

Pipeline #5
#5 Petclinic-Compile
2 Dec. 2016 3:54:12 PM
1 min 29 sec
packt

#12 Petclinic-Test
2 Dec. 2016 4:01:40 PM
19 sec

PetClinic-Deploy
N/A
N/A

Pipeline #4
#4 Petclinic-Compile
30 Nov. 2016 3:40:01 PM
3 min 45 sec

#4 Petclinic-Test
30 Nov. 2016 3:41:51 PM
3 min 45 sec

PetClinic-Deploy
N/A
N/A

Connected to localhost...

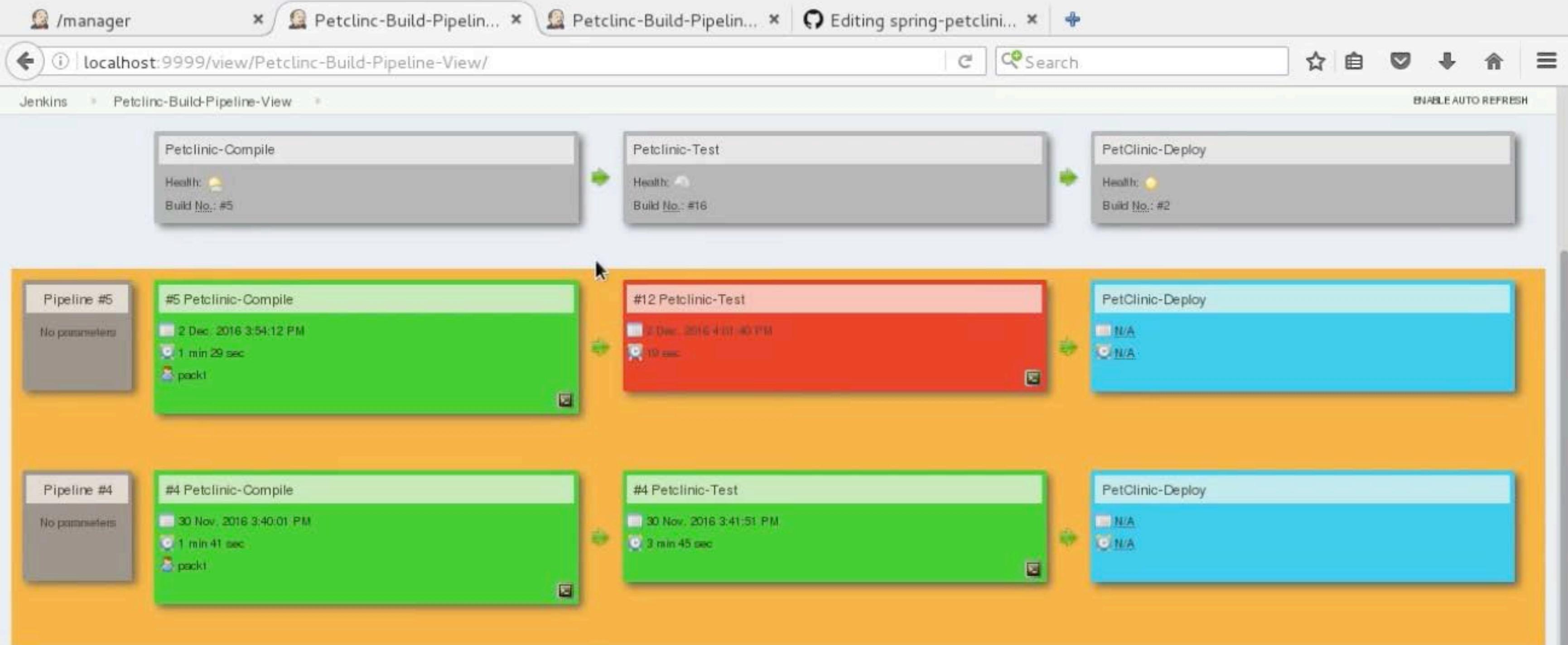
Petclinc-Build-Pipeline-View [Jen... [user@localhost:~/apache-tomcat... target

Packt Pub | log out

ENABLE AUTO REFRESH

Packt 3 / 4

Petclinc-Build-Pipeline-View [Jenkins] – Mozilla Firefox



Jenkins

Jenkins > Petclinc-Build-Pipeline-View >

Build Pipeline

Run History Configure Add Step Delete Manage

Petclinic-Compile
Health: ⚠
Build No.: #5

Petclinic-Test
Health: ✓
Build No.: #15

PetClinic-Deploy
Health: ⚠
Build No.: #2

Pipeline #5
No parameters
#5 Petclinic-Compile
2 Dec, 2016 3:54:12 PM
1 min 29 sec
packt

#12 Petclinic-Test
2 Dec, 2016 4:01:40 PM
10 sec

PetClinic-Deploy
N/A

Pipeline #4
No parameters
#4 Petclinic-Compile
30 Nov, 2016 3:40:01 PM
1 min 41 sec
packt

#4 Petclinic-Test
30 Nov, 2016 3:41:51 PM
3 min 45 sec

PetClinic-Deploy
N/A

Packt 3 / 4

[/manager](#)[PetClinic-Deploy \[Je...\]](#)[Petclinic-Build-Pipel...\]](#)[Editing spring-petclini...](#)[localhost:9999/job/PetClinic-Deploy/](#)[Search](#)

Jenkins

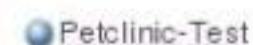
Jenkins > PetClinic-Deploy >

[search](#)[Packt Pub](#) | [log out](#)[ENABLE AUTO REFRESH](#)[Back to Dashboard](#)[Status](#)[Changes](#)[Workspace](#)[Build Now](#)[Delete Project](#)[Configure](#)[GitHub Hook Log](#)[Move](#)

Project PetClinic-Deploy

[add description](#)[Disable Project](#)[Workspace](#)[Recent Changes](#)

Upstream Projects

[Petclinic-Test](#)

Build History

trend =

find

#	Build	Date	Status
4	#4	Dec 2, 2016 4:12 PM	Success
3	#3	Dec 2, 2016 4:09 PM	Success
2	#2	Dec 2, 2016 4:06 PM	Success
1	#1	Dec 2, 2016 3:32 PM	Success

Permalinks

- [Last build \(#4\), 1 min 5 sec ago](#)
- [Last stable build \(#3\), 3 min 58 sec ago](#)
- [Last successful build \(#3\), 3 min 58 sec ago](#)
- [Last completed build \(#3\), 3 min 58 sec ago](#)

PetClinic-Deploy [Jenkins] - Mozilla Firefox

/manager PetClinic-Deploy [Je... Petclinic-Build-Pipel... Editing spring-petclini... +

localhost:9999/job/PetClinic-Deploy/ Search

 Jenkins

Jenkins > PetClinic-Deploy >

[ENABLE AUTO REFRESH](#)

[Back to Dashboard](#)

[Status](#)

[Changes](#)

[Workspace](#)

[Build Now](#)

[Delete Project](#)

[Configure](#)

[GitHub Hook Log](#)

[Move](#)

Project PetClinic-Deploy

[Workspace](#)

[Recent Changes](#)

Upstream Projects

[Petclinic-Test](#)

Permalinks

- [Last build \(#4\), 1 min 5 sec ago](#)
- [Last stable build \(#3\), 3 min 58 sec ago](#)
- [Last successful build \(#3\), 3 min 58 sec ago](#)
- [Last completed build \(#3\), 3 min 58 sec ago](#)

Build History

trend =

find
#4 Dec 2, 2016 4:12 PM
#3 Dec 2, 2016 4:09 PM

Success > Console Output PM

localhost:9999/job/PetClinic-Deploy/3/console

Packt Pub | log out

Applications ▾ Places ▾ Firefox Web Browser ▾ Fri 16:13

PetClinic-Deploy #3 Console [Jenkins] – Mozilla Firefox

/manager PetClinic-Deploy #3 ... PetClinic-Build-Pipeline... Editing spring-petcli... +

localhost:9999/job/PetClinic-Deploy/3/console Search

Jenkins Packt Pub | log out



Jenkins > PetClinic-Deploy > #3

- Back to Project
- Status
- Changes
- Console Output**
- View as plain text
- Edit Build Information
- Delete Build
- Git Build Data
- No Tags
- See Fingerprints
- Previous Build
- Next Build

Console Output

Skipping 373 KB.. [Full Log](#)

Read localhost

PetClinic-Deploy #3 Console [Jen...

[user@localhost:~/apache-tomcat...]

target

Jenkins

Jenkins > PetClinic-Deploy > #3

Back to Project Status Changes Console Output View as plain text Edit Build Information Delete Build Git Build Data No Tags See Fingerprints Previous Build Next Build

Console Output

Skipping 373 KB.. [Full Log](#)

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16694/33634 KB  
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16736/33634 KB
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Read localhost

PacktPub | log out

PetClinic-Deploy #3 Console [Jenkins] – Mozilla Firefox

[/manager](#)[PetClinic-Deploy #3 ...](#)[PetClinic-Build-Pipel...](#)[Editing spring-petclini...](#)[localhost:9999/job/PetClinic-Deploy/3/console](#)

Search



Jenkins > PetClinic-Deploy > #3

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Applications ▾ Places ▾ Firefox Web Browser ▾ Fri 16:13

PetClinic-Deploy #3 Console [Jenkins] – Mozilla Firefox

/manager PetClinic-Deploy #3 ... Petclinic-Build-Pipel... Editing spring-petclini... +

localhost:9999/job/PetClinic-Deploy/3/console

Search

Jenkins > PetClinic-Deploy > #3

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33632/33634 KB  
33634/33634 KB  
Uploaded: http://localhost:8080/manager/text/deploy?path=%2Fpetclinic&update=true (33634 KB at 6764.6 KB/sec)  
[INFO] tomcatManager status code:200, ReasonPhrase:OK  
[INFO] OK - Deployed application at context path /petclinic  
[INFO] -----  
[INFO] BUILD SUCCESS  
[INFO] -----  
[INFO] Total time: 2:26.410s  
[INFO] Finished at: Fri Dec 02 16:12:03 IST 2016  
[INFO] Final Memory: 29M/238M  
[INFO] -----  
Copied 1 artifact from "Petclinic-Test" build number 16  
Finished: SUCCESS
```

Summary

- Created built-in delivery pipelines
- Created a pipeline for compiling and executing test units
- Used the build pipeline plugin
- Integrated the deployment operation

Next Section

Installing and Configuring Chef