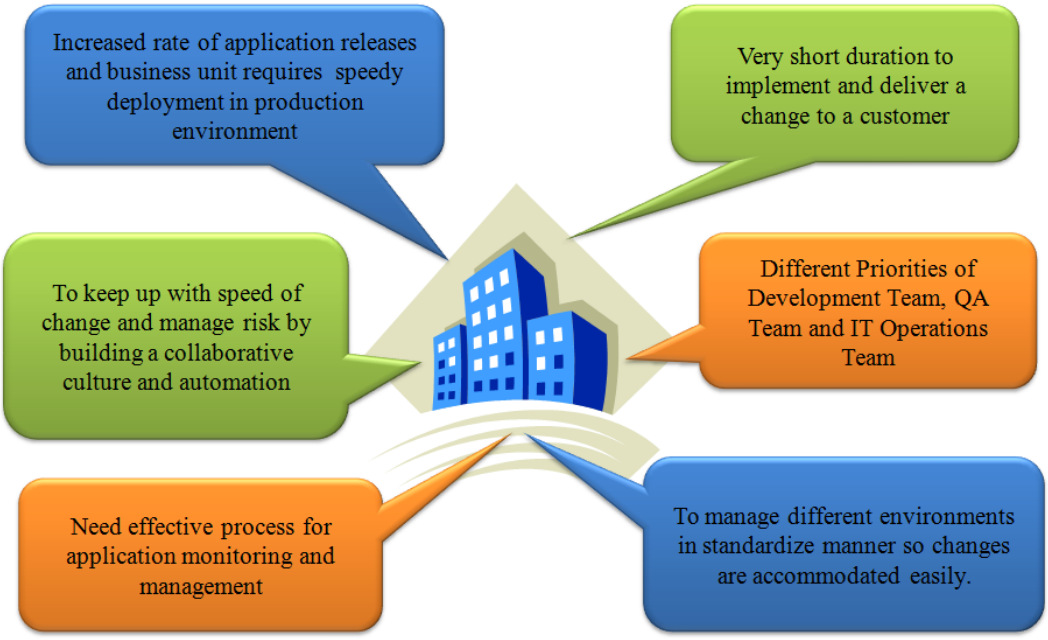
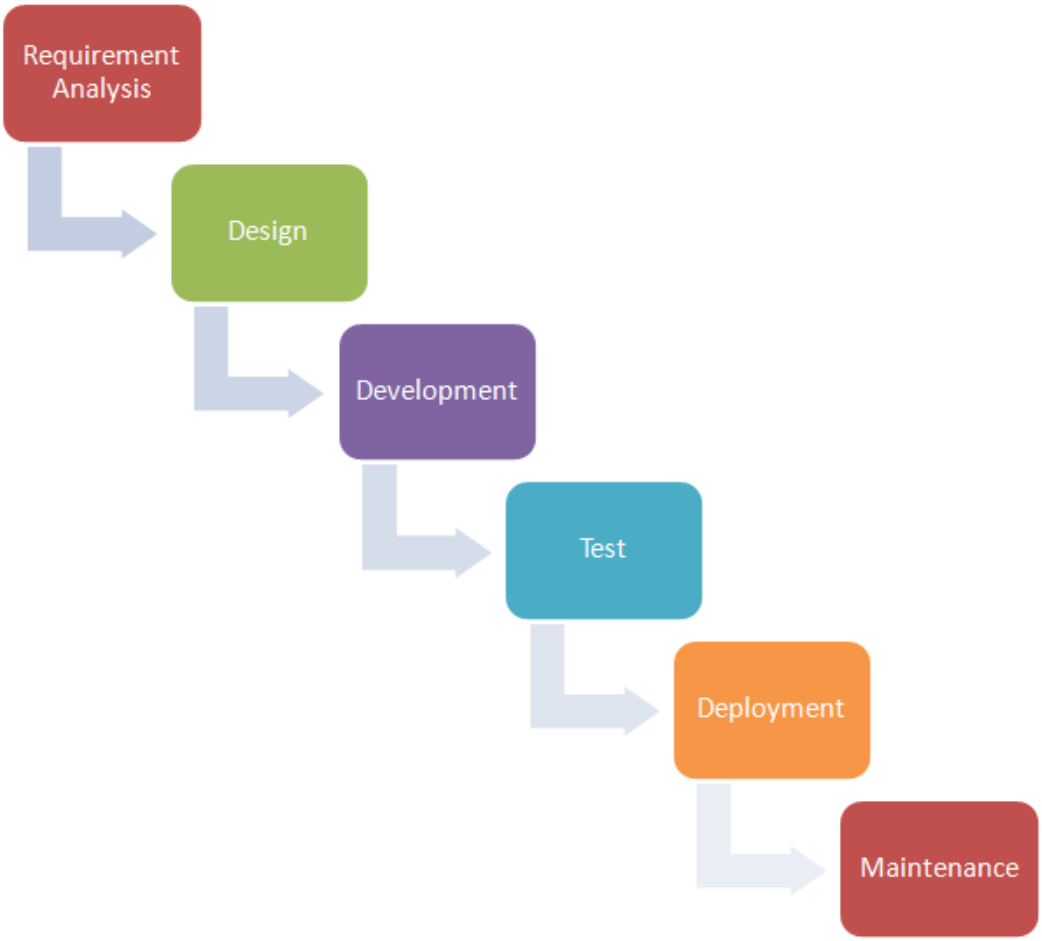
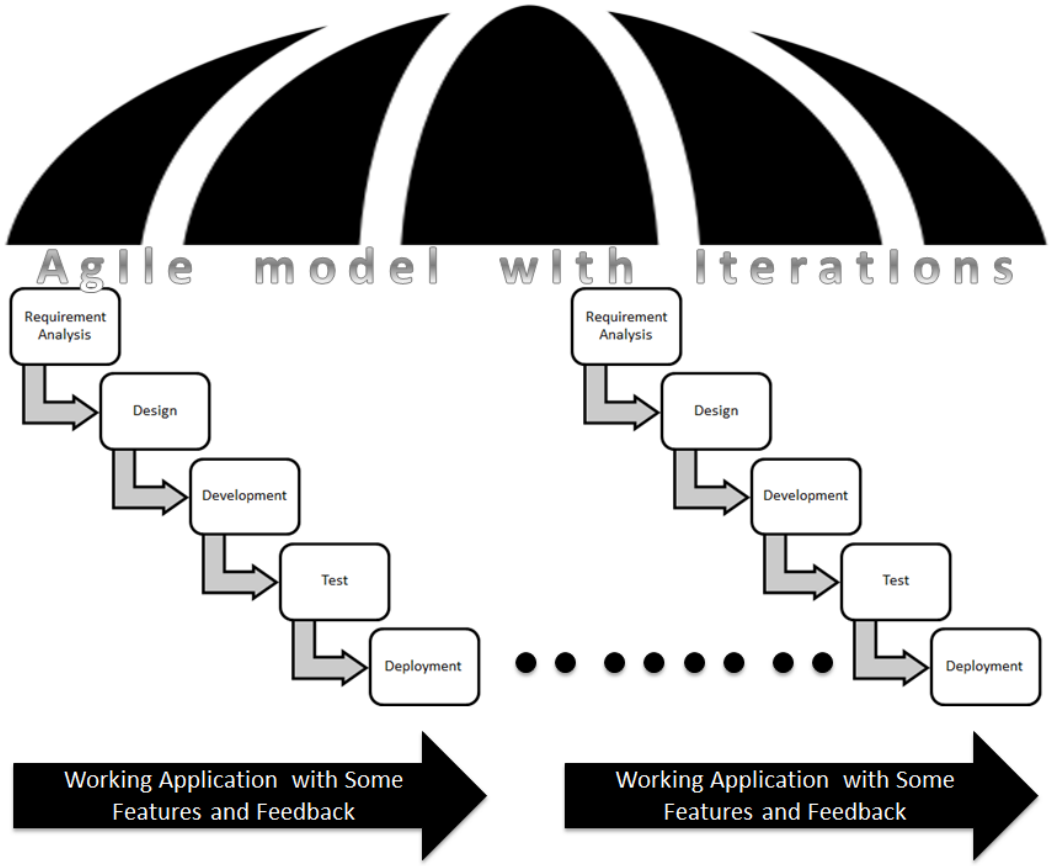
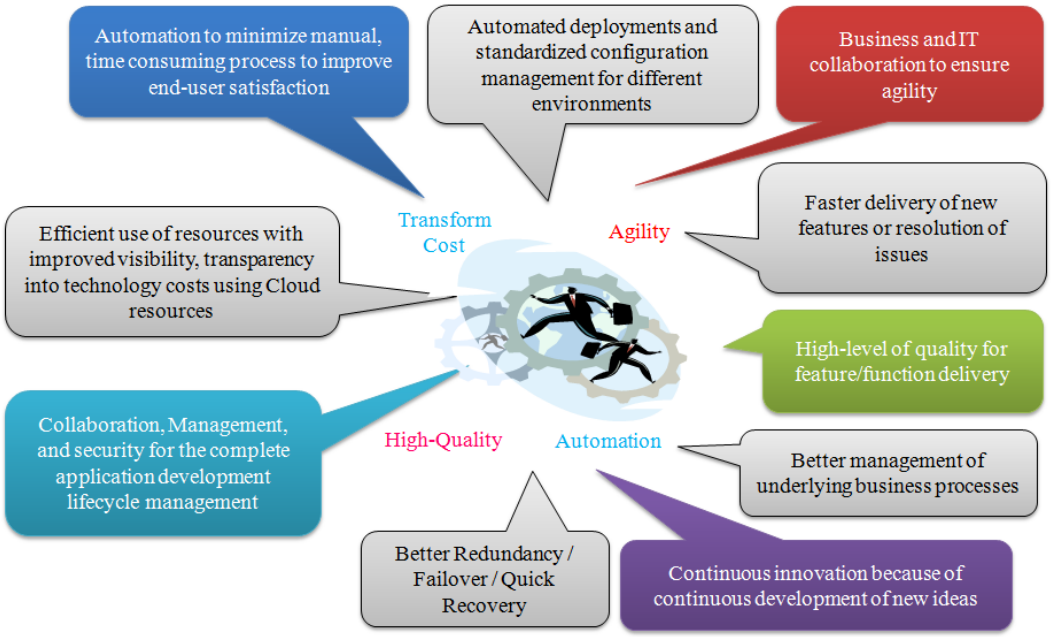
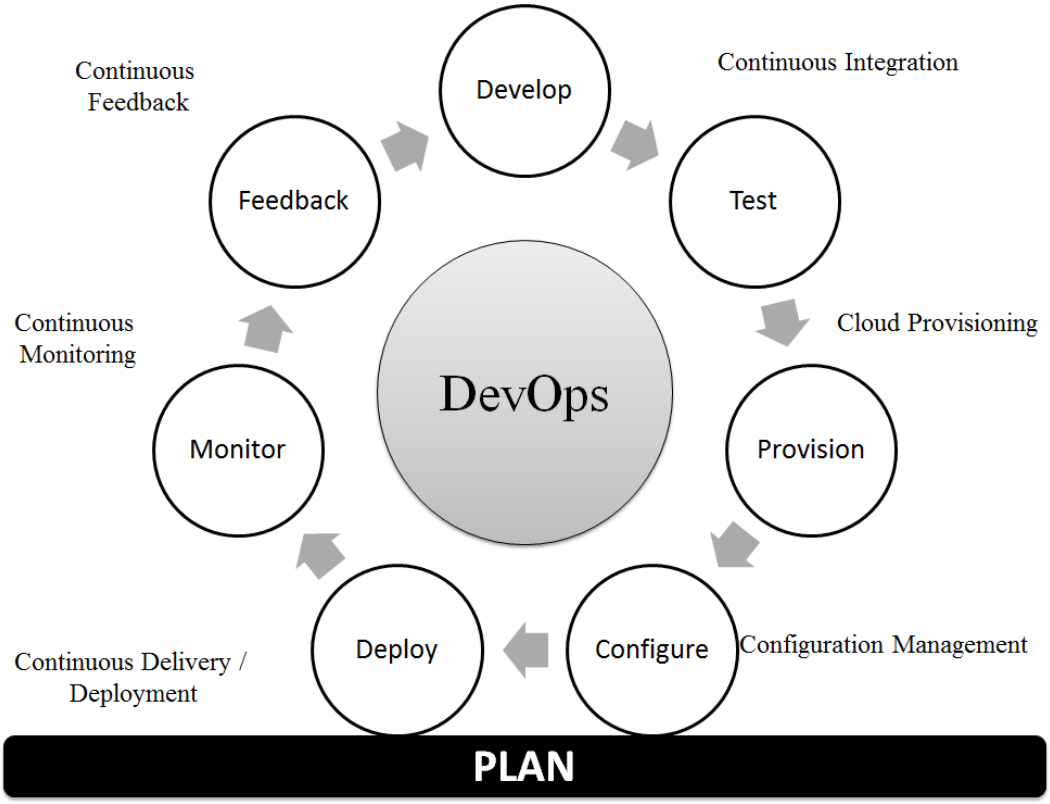
Chapter 1: Getting Started – DevOps Concepts, Tools, and Technologies

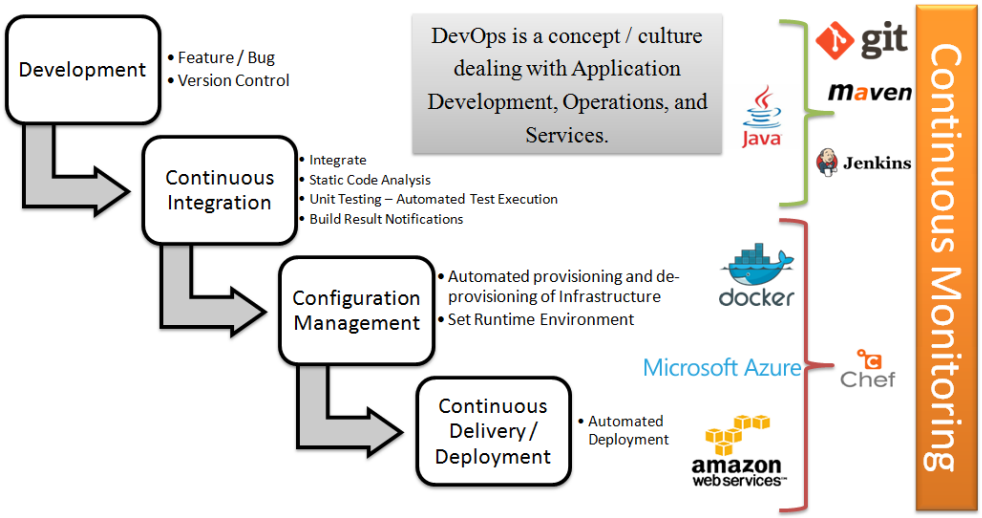


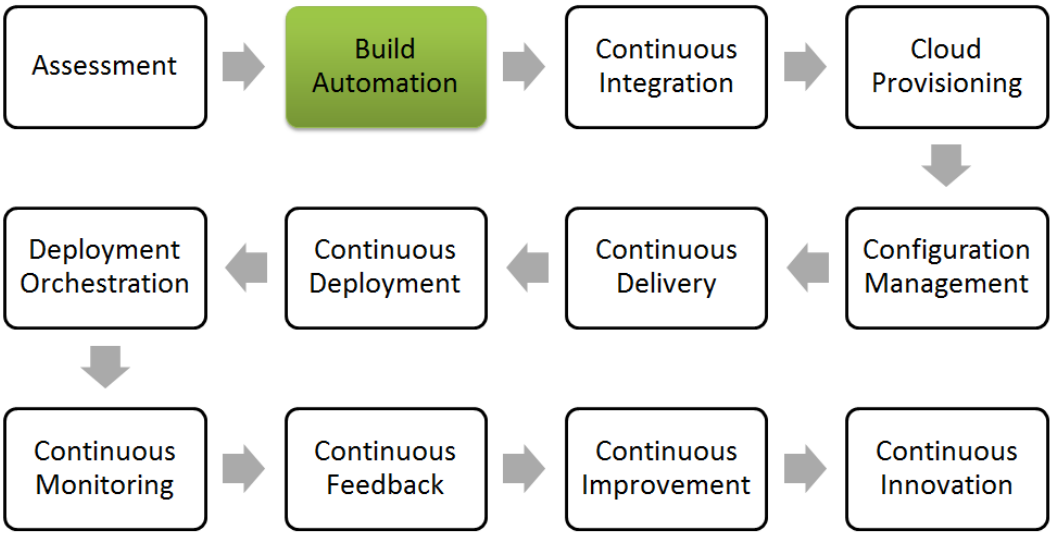

Requirement Analysis
Design
Development
Test
Deployment
Maintenance

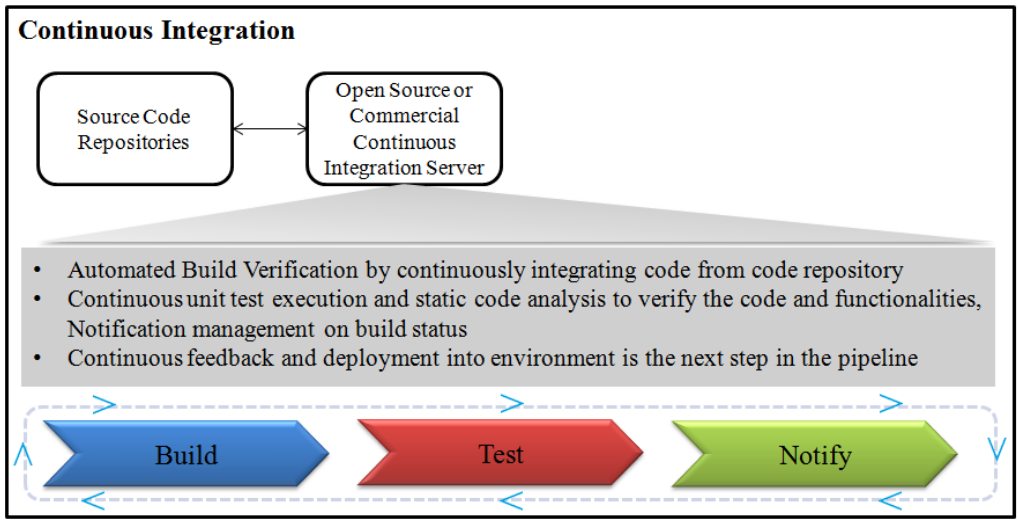

Agile model with Iterations
Requirement Analysis
Design
Development
Test
Deployment
Requirement Analysis
Design
Development
Test
Deployment
Working Application with Some Features and Feedback
Working Application with Some Features and Feedback

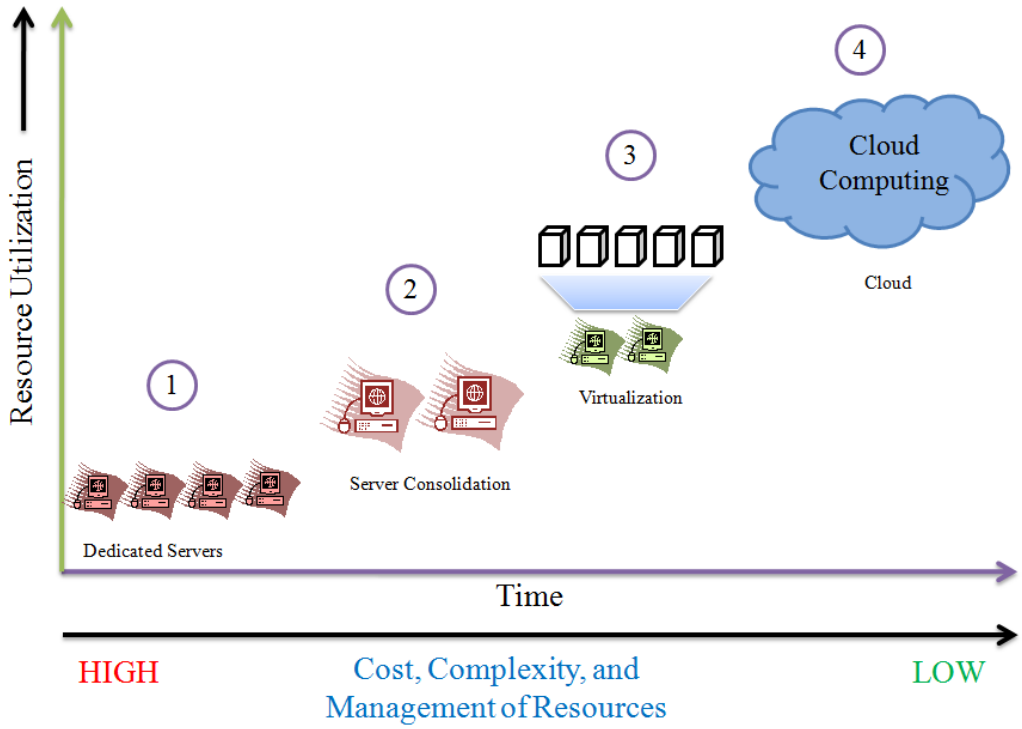

Automation to minimize manual, time consuming process to improve end-user satisfaction
Automated deployments and standardized configuration management for different environments
Business and IT collaboration to ensure agility
Transform Cost
Agility
Efficient use of resources with improved visibility, transparency into technology costs using Cloud resources
Faster delivery of new features or resolution of issues
High-level of quality for feature/function delivery
Collaboration, Management, and security for the complete application development lifecycle management
High-Quality
Automation
Better management of underlying business processes
Better Redundancy / Failover / Quick Recovery
Continuous innovation because of continuous development of new ideas

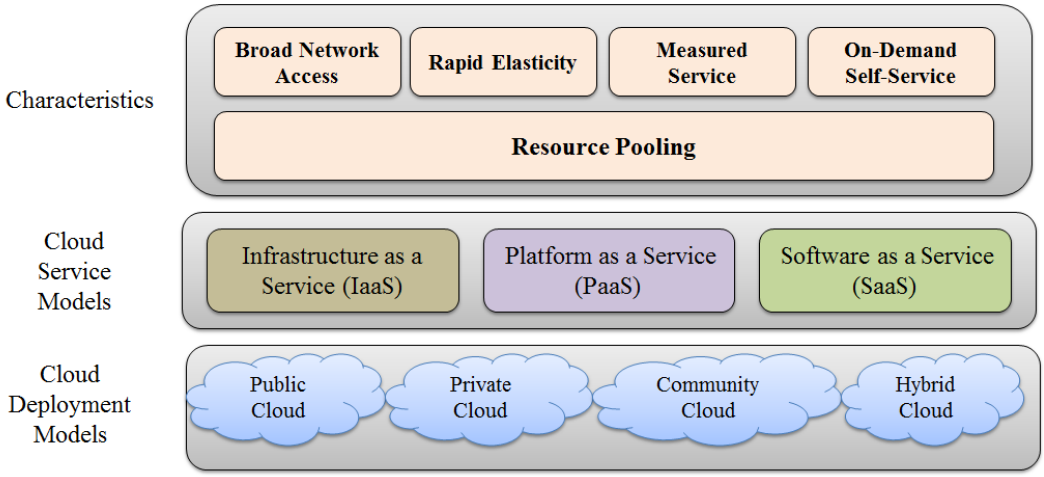

Continuous Feedback
Develop
Continuous Integration
Feedback
Test
Continuous Monitoring
DevOps
Cloud Provisioning
Monitor
Provision
Deploy
Configure
Configuration Management
Continuous Delivery / Deployment
PLAN

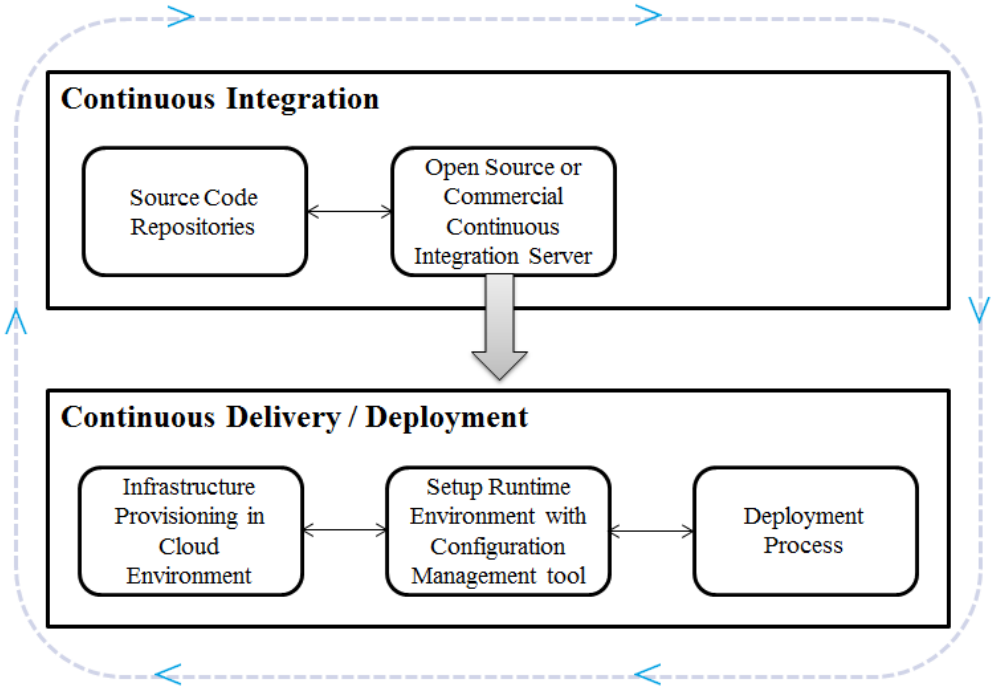

Development
• Feature / Bug
• Version Control
DevOps is a concept / culture dealing with Application Development, Operations, and Services.
Continuous Integration
• Integrate
• Static Code Analysis
• Unit Testing – Automated Test Execution
• Build Result Notifications
Configuration Management
• Automated provisioning and de-provisioning of Infrastructure
• Set Runtime Environment
Continuous Delivery / Deployment
• Automated Deployment
git
maven
Jenkins
Java
docker
Microsoft Azure
Chef
amazon web services
Continuous Monitoring


Assessment
Build Automation
Continuous Integration
Cloud Provisioning
Configuration Management
Continuous Delivery
Continuous Deployment
Deployment Orchestration
Continuous Monitoring
Continuous Feedback
Continuous Improvement
Continuous Innovation

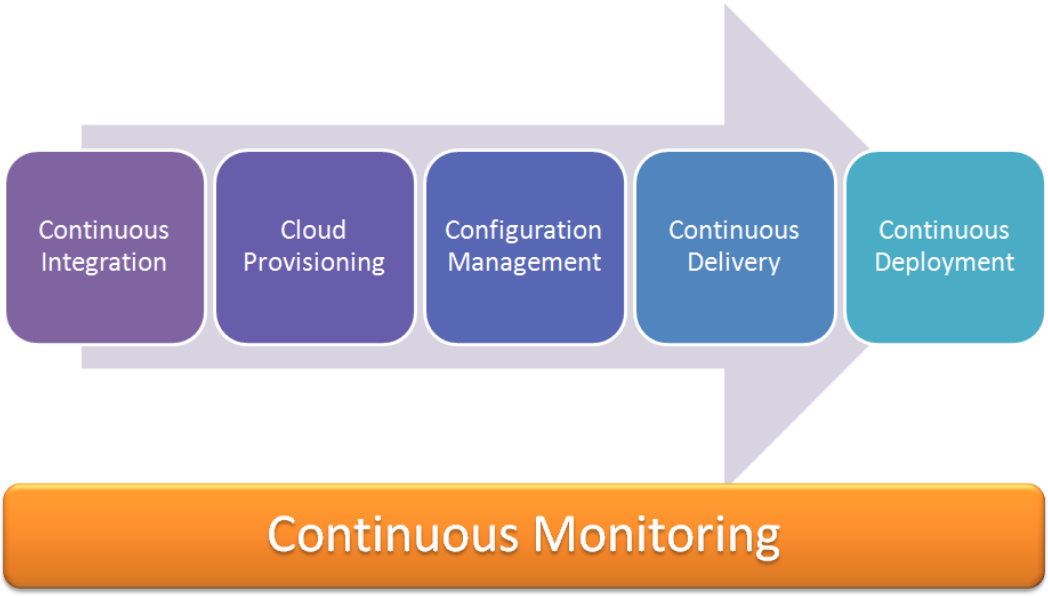

Continuous Integration
Source Code Repositories
Open Source or Commercial Continuous Integration Server
• Automated Build Verification by continuously integrating code from code repository
• Continuous unit test execution and static code analysis to verify the code and functionalities, Notification management on build status
• Continuous feedback and deployment into environment is the next step in the pipeline
Build
Test
Notify

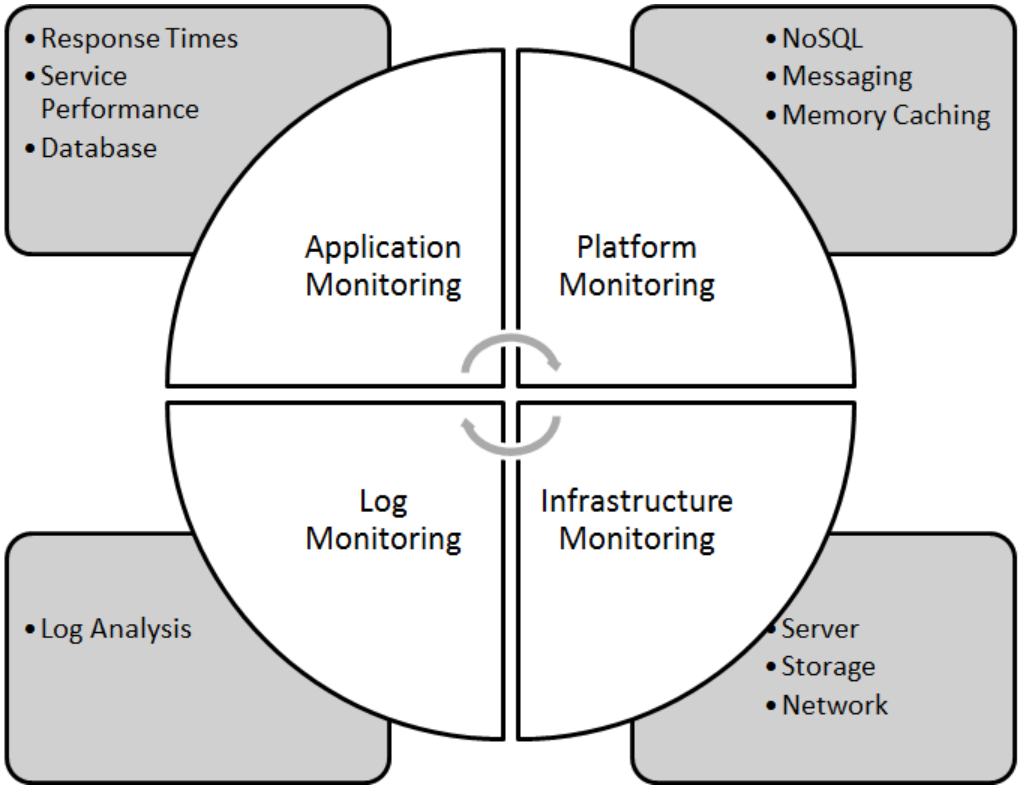

Resource Utilization
1
2
3
4
Cloud Computing
Cloud
Virtualization
Server Consolidation
Dedicated Servers
Time
HIGH
Cost, Complexity, and Management of Resources
LOW

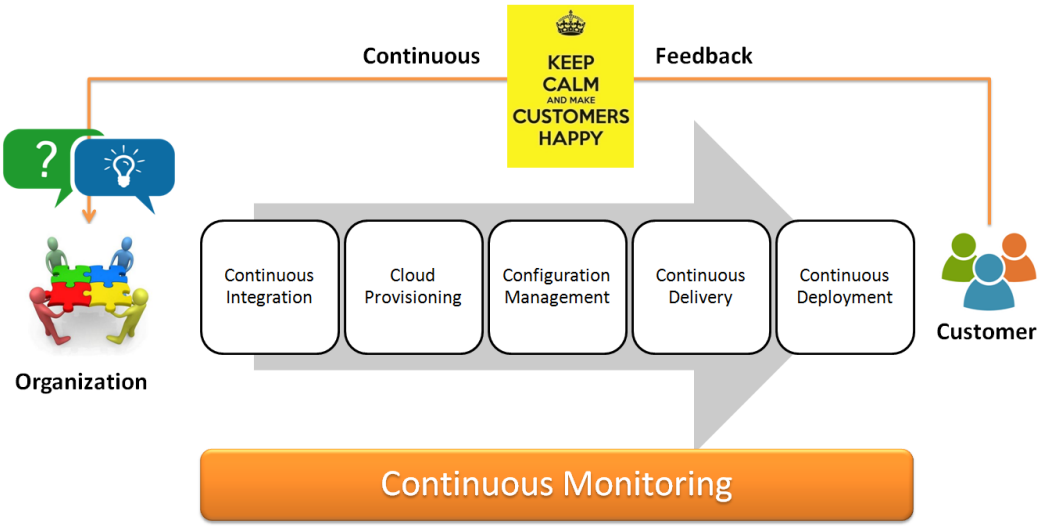

Characteristics
Broad Network Access
Rapid Elasticity
Measured Service
On-Demand Self-Service
Resource Pooling
Cloud Service Models
Infrastructure as a Service (IaaS)
Platform as a Service (PaaS)
Software as a Service (SaaS)
Cloud Deployment Models
Public Cloud
Private Cloud
Community Cloud
Hybrid Cloud

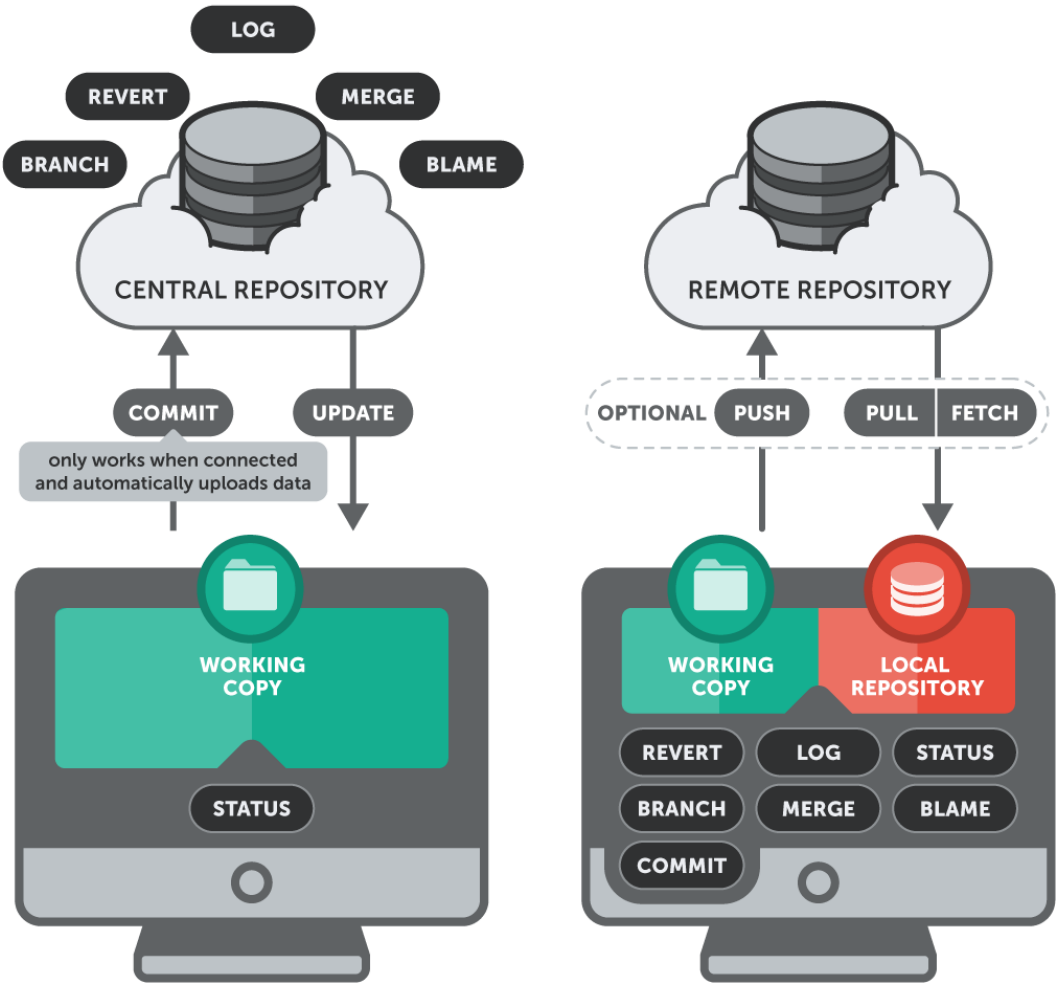


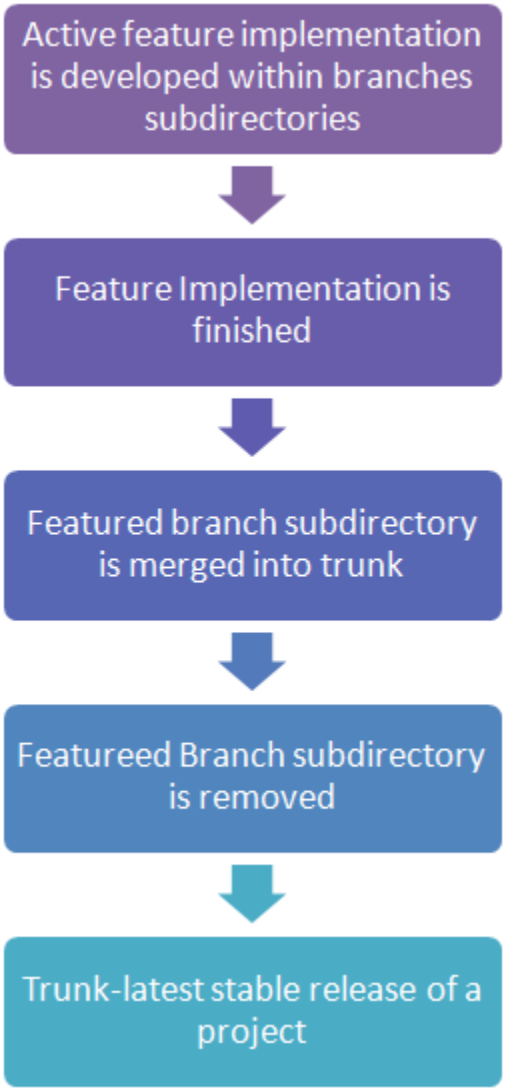
Production ready application by using automated process throughout application lifecycle.

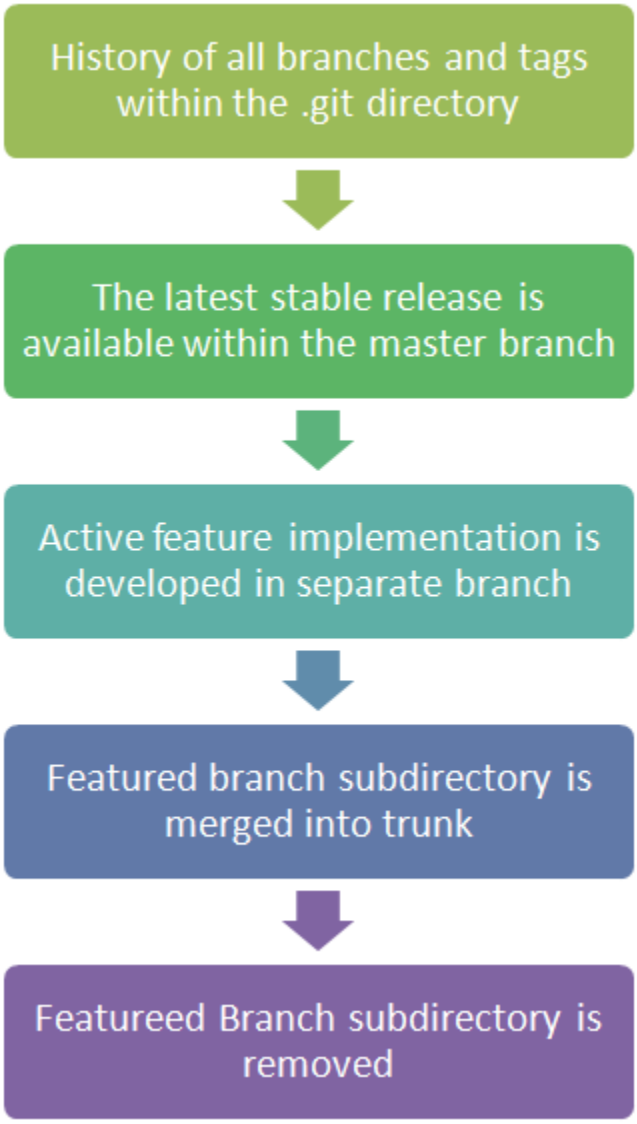

Continuous Integration
Cloud Provisioning
Configuration Management
Continuous Delivery
Continuous Deployment
Continuous Monitoring

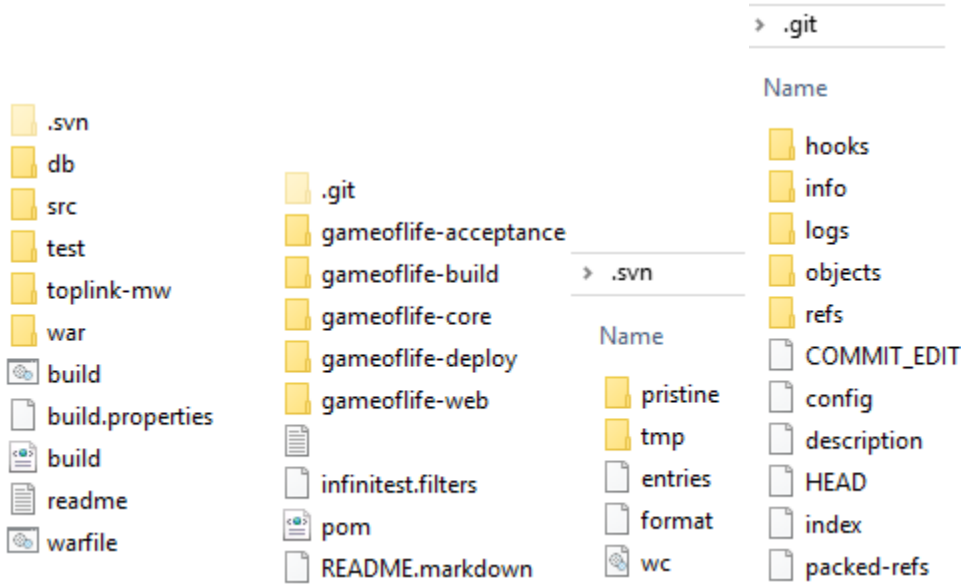

• Response Times
• Service Performance
• Database
• NoSQL
• Messaging
• Memory Caching
Application Monitoring
Platform Monitoring
Log Monitoring
Infrastructure Monitoring
• Log Analysis
• Server
• Storage
• Network

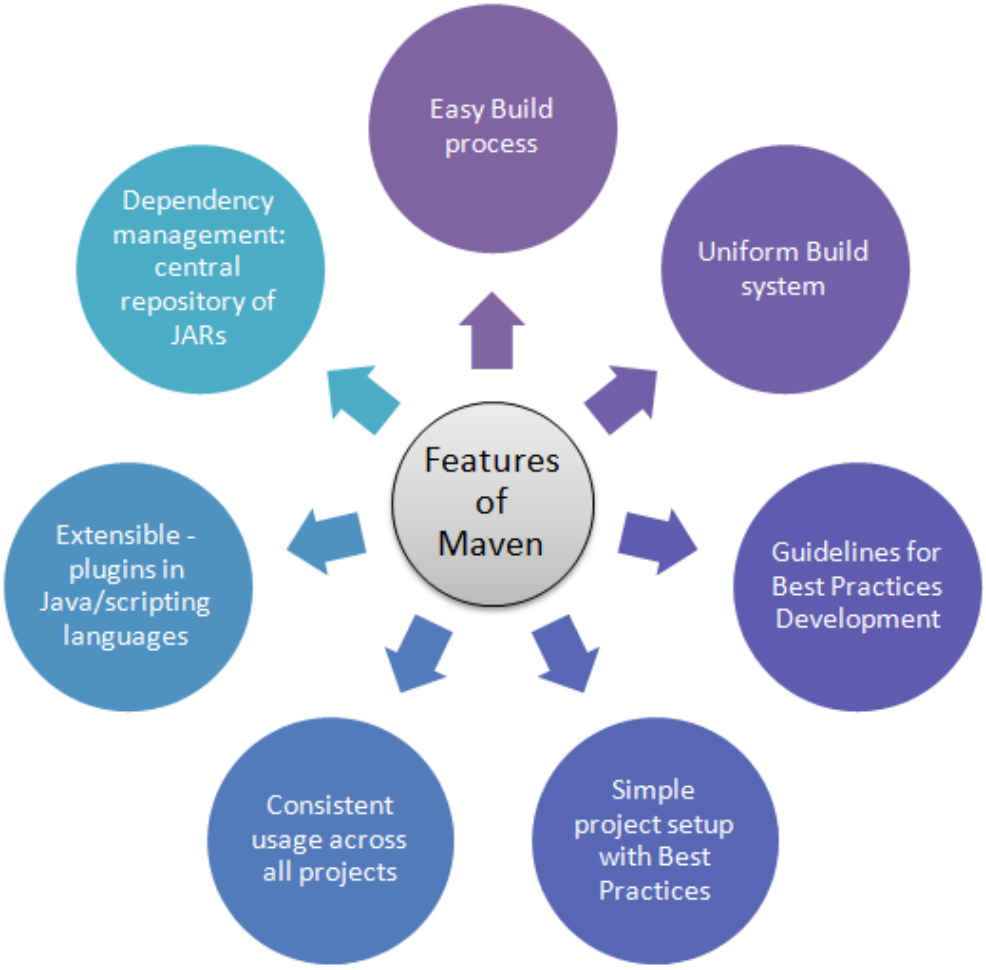

Continuous
KEEP CALM AND MAKE CUSTOMERS HAPPY
Feedback
Continuous Integration
Cloud Provisioning
Configuration Management
Continuous Delivery
Continuous Deployment
Organization
Customer
Continuous Monitoring


SUBVERSION
LOG
REVERT
MERGE
BRANCH
BLAME
CENTRAL REPOSITORY
COMMIT
UPDATE
only works when connected
and automatically uploads data
WORKING
COPY
STATUS
GIT
REMOTE REPOSITORY
OPTIONAL
PUSH
PULL
FETCH
WORKING
COPY
LOCAL
REPOSITORY
REVERT
LOG
STATUS
BRANCH
MERGE
BLAME
COMMIT

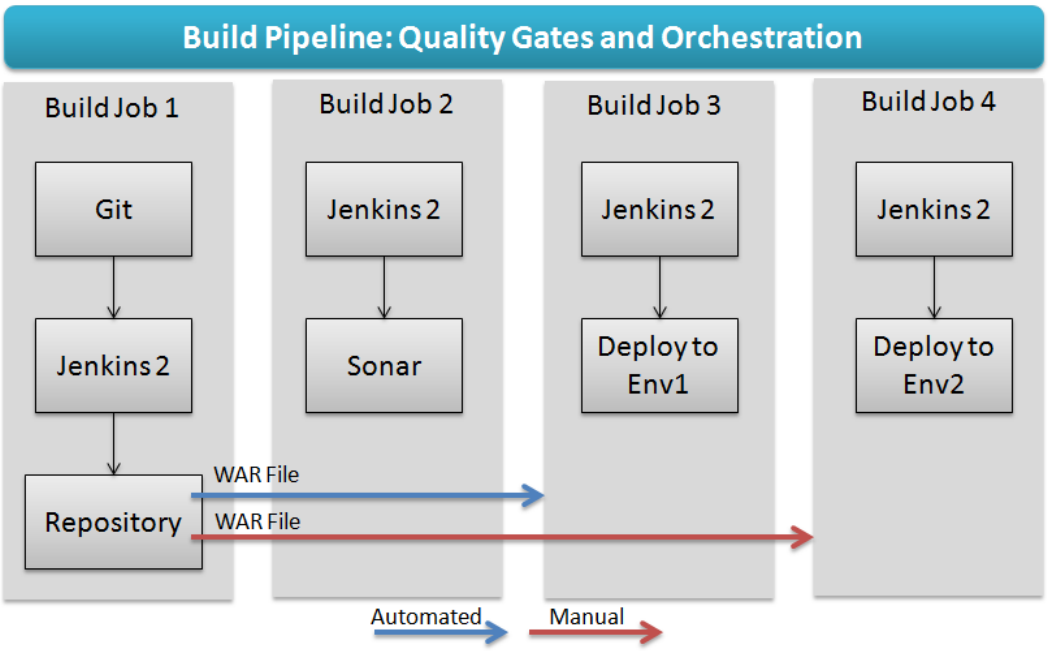

Active feature implementation is developed within branches subdirectories
Feature Implementation is finished
Featured branch subdirectory is merged into trunk
Featureed Branch subdirectory is removed
Trunk-latest stable release of a project

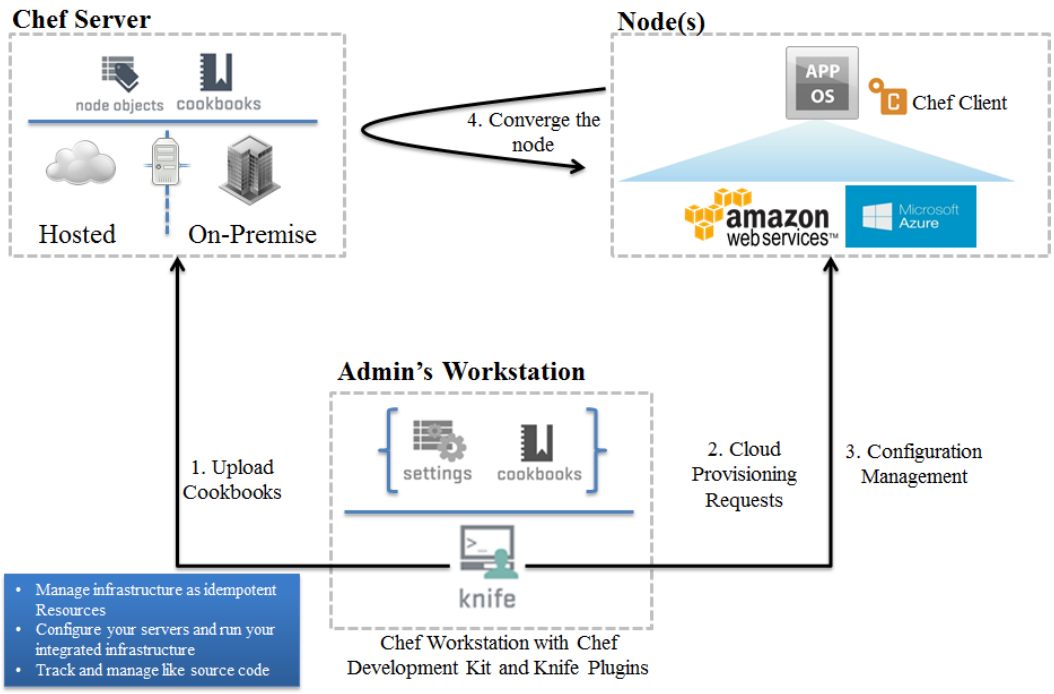

History of all branches and tags within the .git directory
The latest stable release is available within the master branch
Active feature implementation is developed in separate branch
Featured branch subdirectory is merged into trunk
Featureed Branch subdirectory is removed

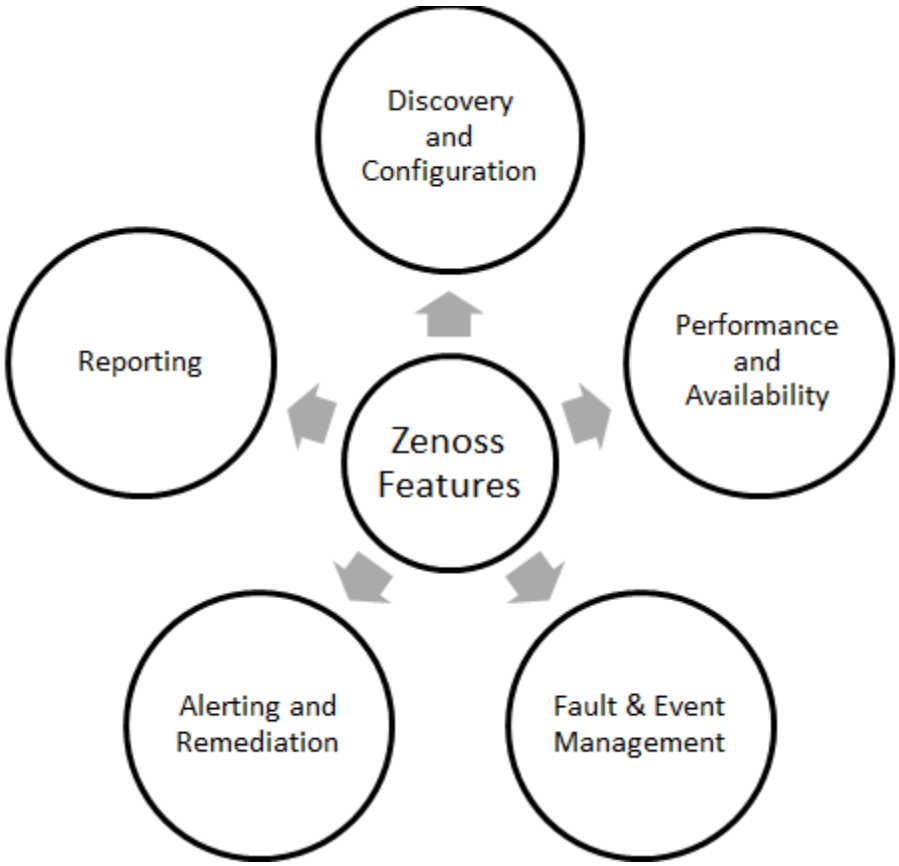

.svn
db
src
test
toplink-mw
war
build
build.properties
build
readme
warfile
.git
gameoflife-acceptance
gameoflife-build
gameoflife-core
gameoflife-deploy
gameoflife-web
infinitest.filters
pom
README.markdown
.svn
Name
pristine
tmp
entries
format
wc
.git
Name
hooks
info
logs
objects
refs
COMMIT_EDIT
config
description
HEAD
index
packed-refs

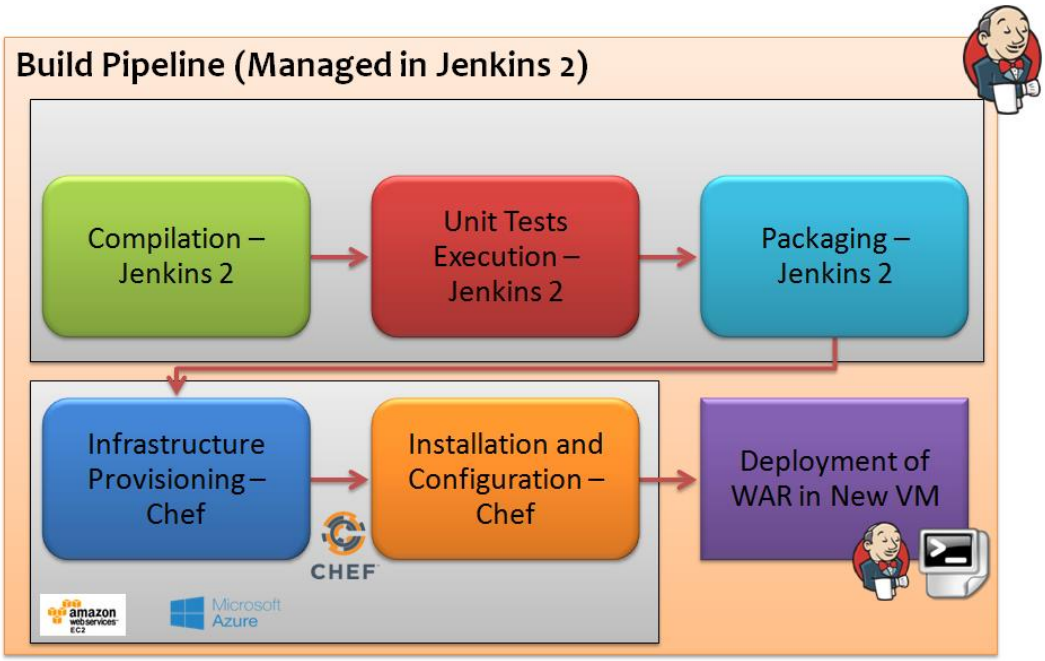

Features of Maven
Easy Build process
Uniform Build system
Guidelines for Best Practices Development
Simple project setup with Best Practices
Consistent usage across all projects
Extensible - plugins in Java/scripting languages
Dependency management: central repository of JARs

```xml
<?xml version="1.0" encoding="UTF-8"?>
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="
http://maven.apache.org/POM/4.0.0 http://maven.apache.org/maven-v4_0_0.xsd">
    <modelVersion>4.0.0</modelVersion>
    <groupId>org.springframework.samples</groupId>
    <artifactId>spring-petclinic</artifactId>
    <version>1.0.0-SNAPSHOT</version>

    <name>petclinic</name>
    <packaging>war</packaging>

    <properties>

    <dependencies>

    <!-- Maven plugin versions are mentioned in order to guarantee the build reproducibility in the long term -->
    <build>
        <defaultGoal>install</defaultGoal>
        <testResources>
          <testResource>
            <!-- declared explicitly so Spring config files can be placed next to their corresponding JUnit test class  -->
            <directory>${project.basedir}/src/test/java</directory>
          </testResource>
          <testResource>
            <directory>${project.basedir}/src/test/resources</directory>
          </testResource>
        </testResources>
        <plugins>
    </build>
        <reporting>

    <url>demopetclinic</url>
</project>
```


Build Pipeline: Quality Gates and Orchestration
Build Job 1
Git
Jenkins 2
Repository
Build Job 2
Jenkins 2
Sonar
Build Job 3
Jenkins 2
Deploy to Env1
Build Job 4
Jenkins 2
Deploy to Env2
WAR File
WAR File
Automated
Manual


Chef Server
node objects
cookbooks
Hosted
On-Premise
4. Converge the node
Node(s)
APP OS
Chef Client
amazon web services
Microsoft Azure
Admin's Workstation
settings
cookbooks
knife
1. Upload Cookbooks
2. Cloud Provisioning Requests
3. Configuration Management
Chef Workstation with Chef Development Kit and Knife Plugins
• Manage infrastructure as idempotent Resources
• Configure your servers and run your integrated infrastructure
• Track and manage like source code


Discovery and Configuration
Performance and Availability
Fault & Event Management
Alerting and Remediation
Reporting
Zenoss Features


Build Pipeline (Managed in Jenkins 2)
Compilation – Jenkins 2
Unit Tests Execution – Jenkins 2
Packaging – Jenkins 2
Infrastructure Provisioning – Chef
Installation and Configuration – Chef
Deployment of WAR in New VM
CHEF
amazon webservices EC2
Microsoft Azure

Feature
SPRINT: TETRIS PSI ... 6 DAYS
31 TOTAL
22 WIP
9 DONE
FEATURES IN PROGRESS
Authenticate customer 7
Canadian French Language (In T&D ... 6
Canadian French Language in all "ot... 5
ATDD Refactoring | All Feature Teams 2
Code Repo 38s ago
COMMITS PER DAY
FEB 27
MAR 06
SUMMARY
TOTAL COMMITS 0 268 530
CONTRIBUTORS 0 55 78
TODAY LAST 7 DAYS LAST 14 DAYS
Build 1m ago
BUILDS PER DAY
AVERAGE BUILD DURATION
FEB 27
MAR 06
MAR 13
LATEST BUILDS
8999 2h ago
8998 5h ago
8997 5h ago
8996 5h ago
8995 6h ago
TOTAL BUILDS
0 TODAY
162 LAST 7 DAYS
323 LAST 14 DAYS
Quality 5s ago
STATIC ANALYSIS
Blocker 0
Critical 0
Major 0
Issues 43
VERSION 2.4.38495.8999
100.0% RULES COMPLIANCE
3d TECHNICAL DEBT
CODE COVERAGE
95%
46,335 lines of code
SECURITY ANALYSIS
Blocker -
Critical -
Major -
Issues -
UNIT TESTS
Success 100.0%
Failures 0
Errors 0
Tests 3,272
FUNCTIONAL TESTS
Success -
Failures -
Errors -
Tests -
Monitor 1s ago
No services configured
Deploy 12m ago
DEV6 6d ago 38 0
DEV7 6h ago 73 0
QA3 16h ago 180 0
DEV2 5h ago 691 0
QA4-A 5h ago 80 0
QA4-B Feb 23 30 0
QA1 Feb 23 36 0
QA2 8h ago 48 0
DEV3 3d ago 8 0
DEV4 Feb 7 2 0
DEV5 5h ago 16 0
DEV8 Feb 25 4 0
DEV9 1d ago 12 0
PERF1 1d ago 72 0
PERF2 Jan 16 8 0
PERF3 Jan 16 24 0
PERF4 Jan 16 8 0
PERF-A Dec 12 36 0
PERF-B Nov 3 32 0
PROD-A 5h ago 320 0

GitHub, Inc. [US] https://github.com/spring-projects/spring-petclinic

This repository Search Pull requests Issues Gist

spring-projects / spring-petclinic

Watch 182 Star 781 Fork 1,393

Code Issues 5 Pull requests 0 Wiki Pulse Graphs

A sample Spring-based application

457 commits 5 branches 0 releases 23 contributors

Branch: master New pull request New file Upload files Find file HTTPS https://github.com/spring Download ZIP

arey Using Spring Boot Dataflow UI graphic theme Latest commit 44b591f 12 days ago

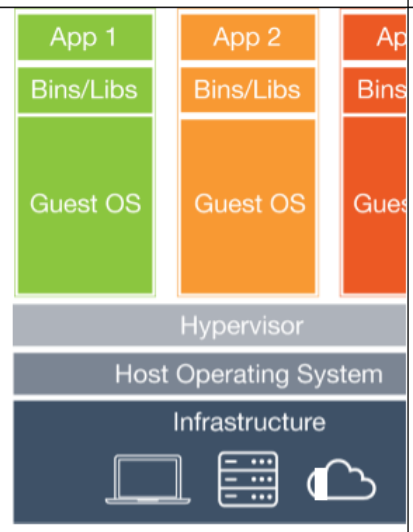
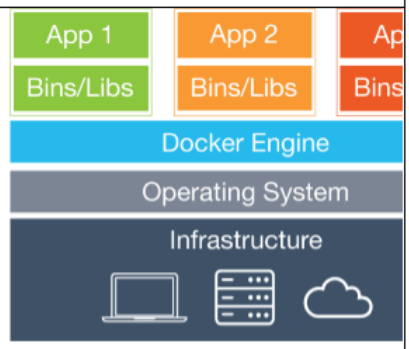
.mvn/wrapper	added missing .mvn folder needed for maven wrapper	2 months ago
src	Using Spring Boot Dataflow UI graphic theme	12 days ago
.bowerrc	moving from Webjars to Bower #83: renaming bower_components to vendor...	3 months ago
.editorconfig	#96 change EditorConfig in order to impact other files than Java and ...	6 months ago
.gitignore	added missing .mvn folder needed for maven wrapper	2 months ago
.springBeans	using latest versions of hibernate, spring-data, joda...	2 years ago
.travis.yml	Fix #78 Migrate to Bootstrap 3.x	16 days ago
bower.json	Fix #78 Migrate to Bootstrap 3.x	16 days ago

Pet Clinic A Spring Framework Demonstration Spring

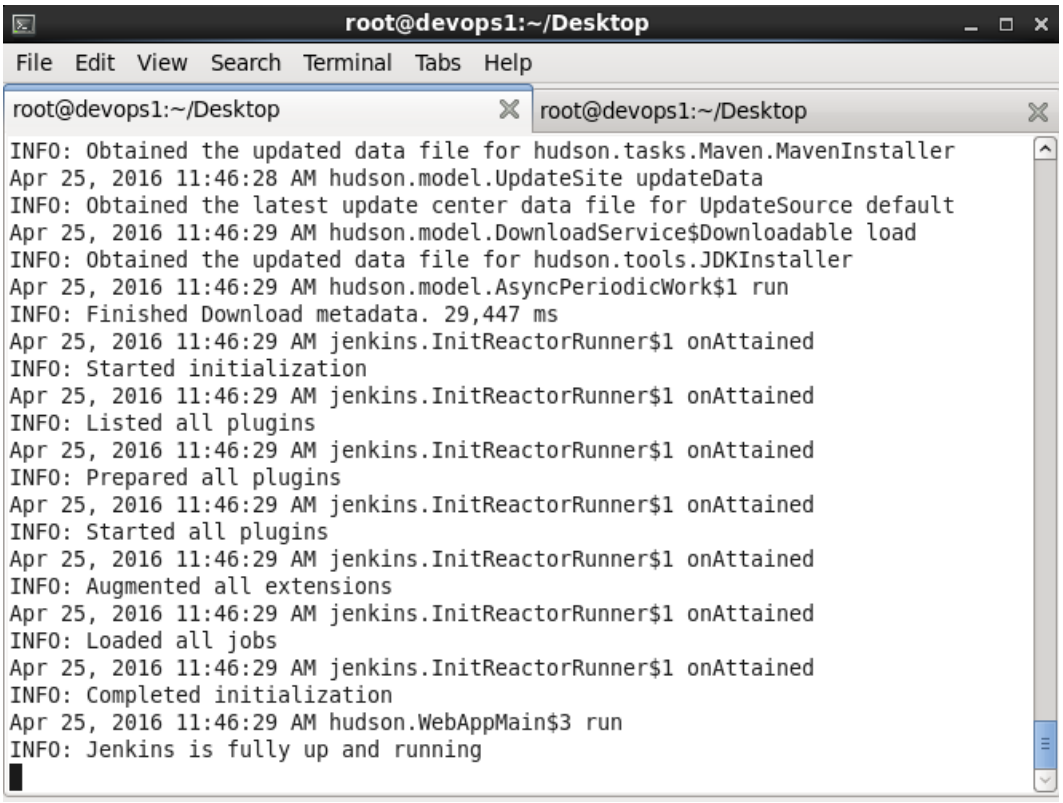
Home Find owners Veterinarians Error

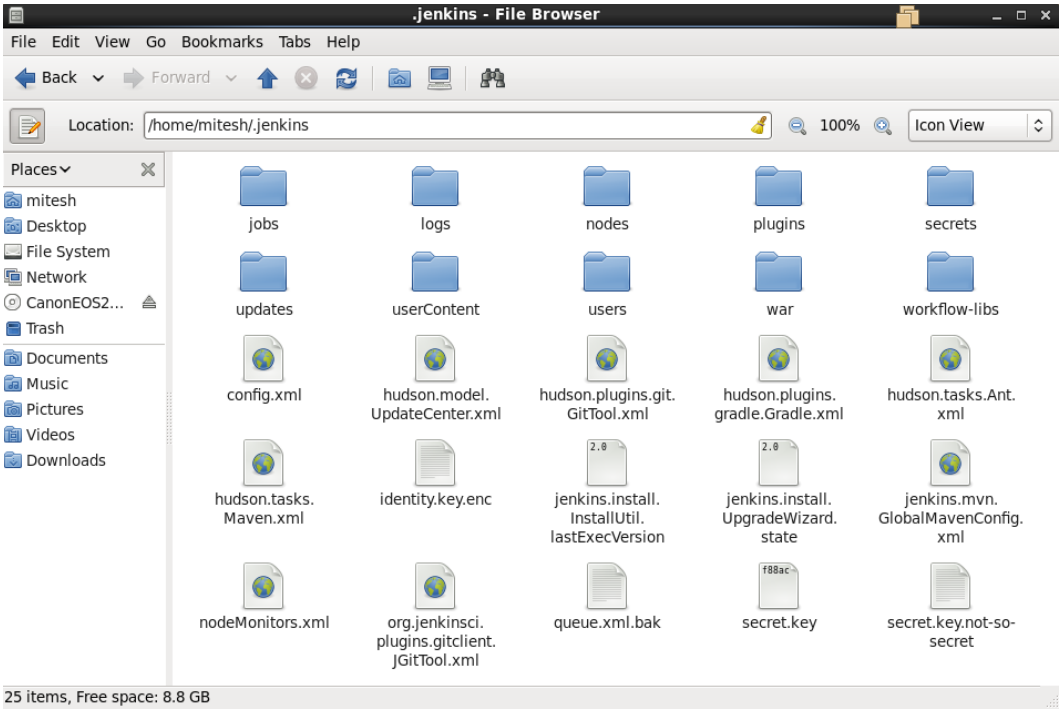
Welcome

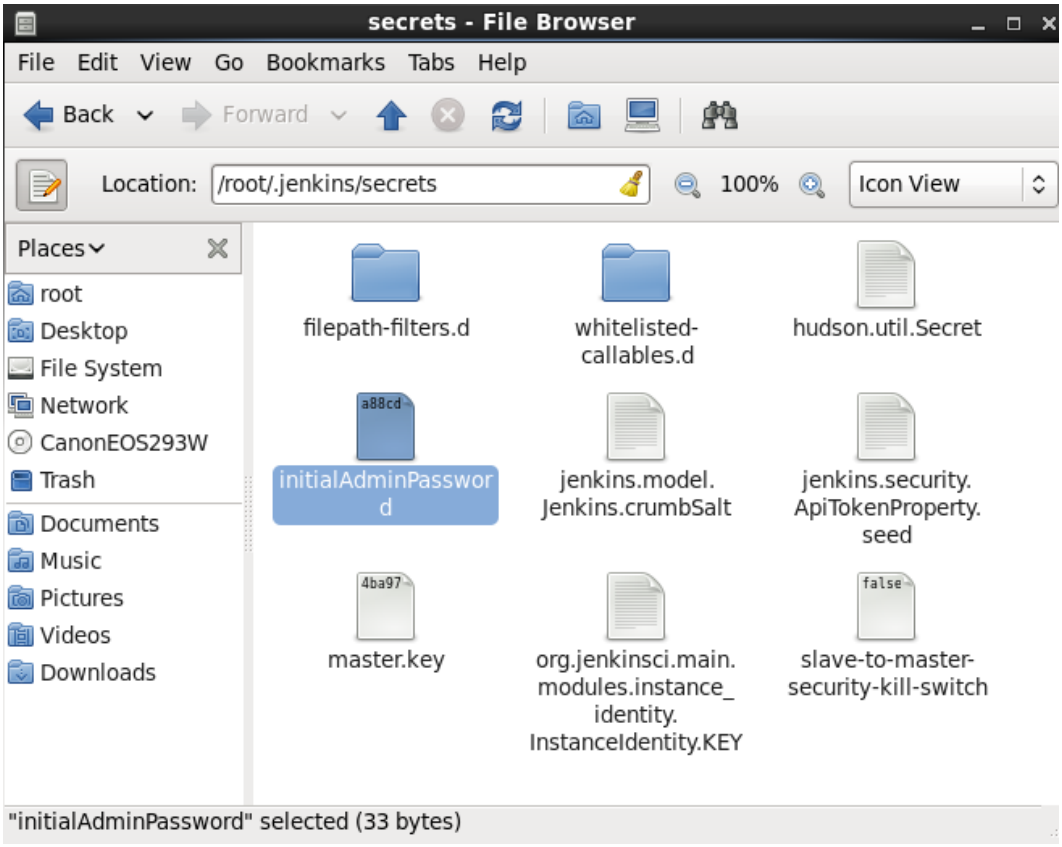
spring by Pivotal.

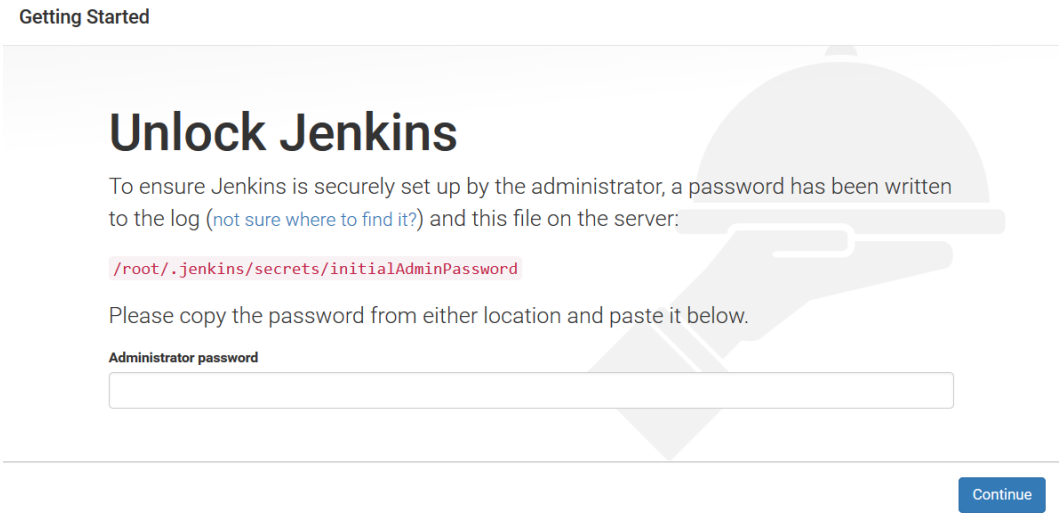
Virtual machines	Docker containers
 http://www.docker.com/	 http://www.docker.com/
Virtual machines depend on traditional virtualization. They can be considered hardware-level virtualization.	Containers depends on the containerization technique at the kernel level. They can be considered OS-level virtualization.
Each virtual machine contains a guest OS, binaries, library files, and the application itself.	Each container include application, binaries, and library files, but the major difference compared to virtual machine is the shared kernel: each container runs as an isolated process in the user-space on the host OS.
The size of a virtual machine is in the order of GBs, as each one runs on its own.	As each container runs as an isolated process in the user-space on the host OS and a separate OS is not required for each container, the size of each container is much smaller.
Each virtual machine has its own set of resources, which results in better isolation and less sharing of resources.	Each container shares the kernel, and hence, there's more scope of sharing resources.
A virtual machine cannot run on a container	A container can run on a virtual machine.

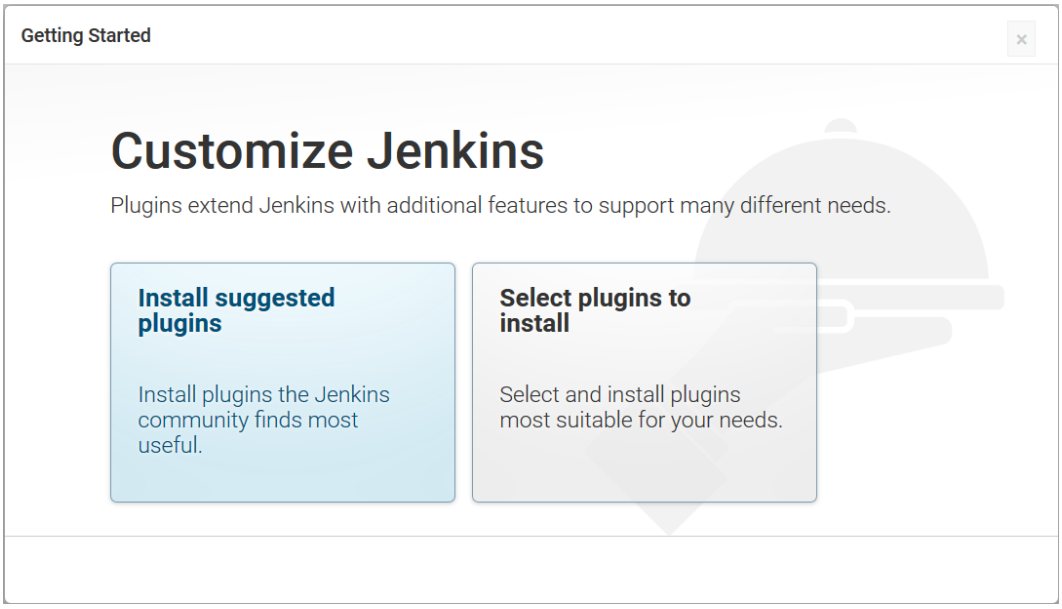
Chapter 2: Continuous Integration with Jenkins 2

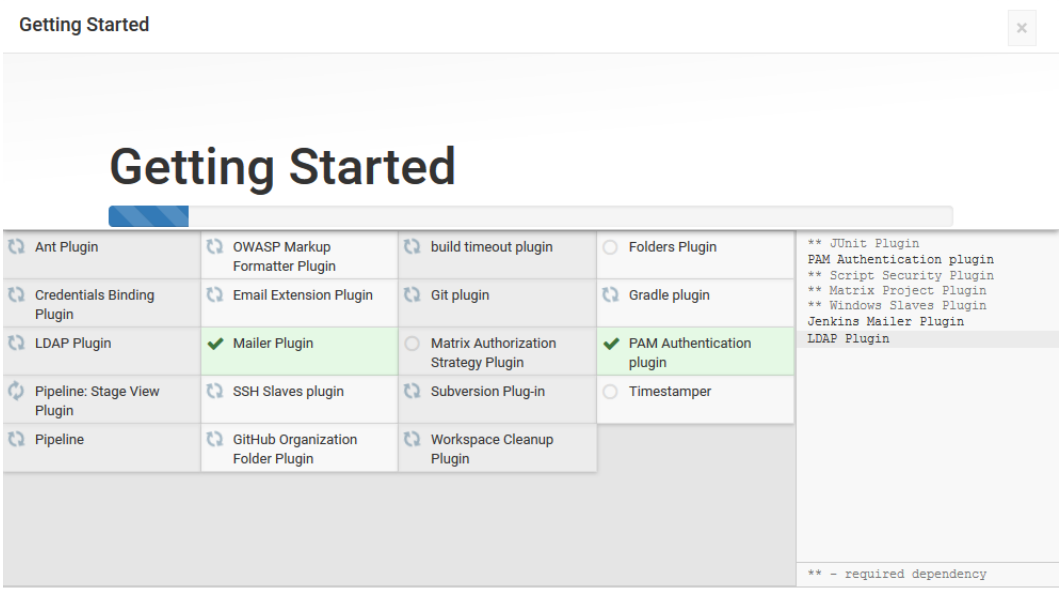


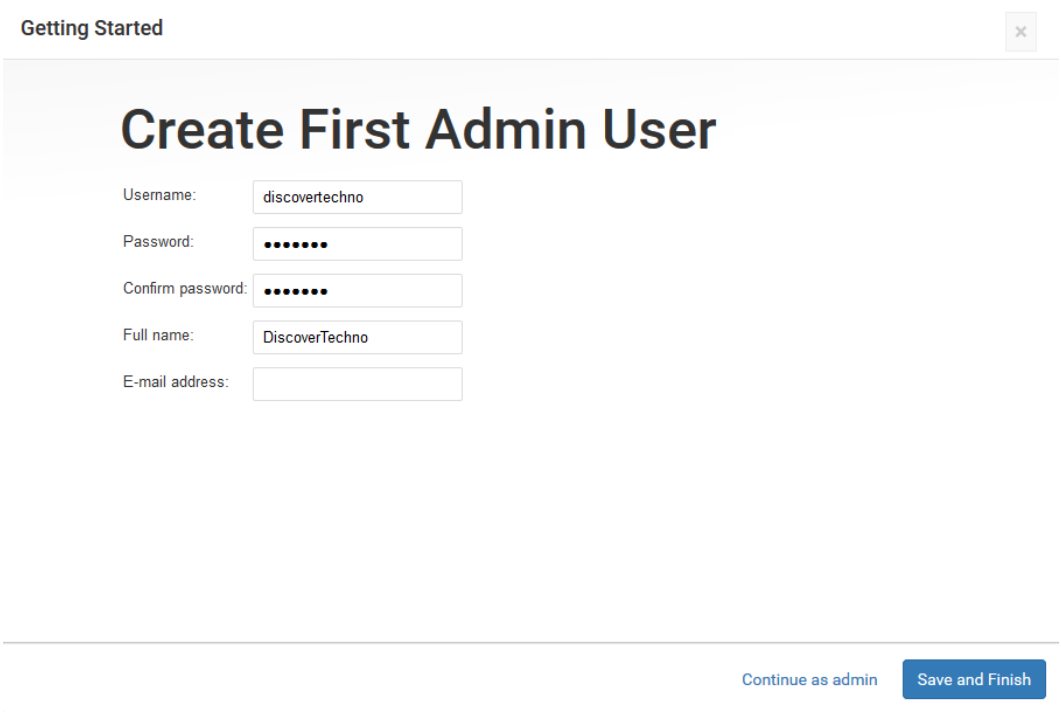

.jenkins - File Browser
File Edit View Go Bookmarks Tabs Help
Back Forward
Location: /home/mitesh/.jenkins
100%
Icon View
Places
mitesh
Desktop
File System
Network
CanonEOS2...
Trash
Documents
Music
Pictures
Videos
Downloads
jobs
logs
nodes
plugins
secrets
updates
userContent
users
war
workflow-libs
config.xml
hudson.model.UpdateCenter.xml
hudson.plugins.git.GitTool.xml
hudson.plugins.gradle.Gradle.xml
hudson.tasks.Ant.xml
hudson.tasks.Maven.xml
identity.key.enc
jenkins.install.InstallUtil.lastExecVersion
jenkins.install.UpgradeWizard.state
jenkins.mvn.GlobalMavenConfig.xml
nodeMonitors.xml
org.jenkinsci.plugins.gitclient.JGitTool.xml
queue.xml.bak
secret.key
secret.key.not-so-secret
25 items, Free space: 8.8 GB

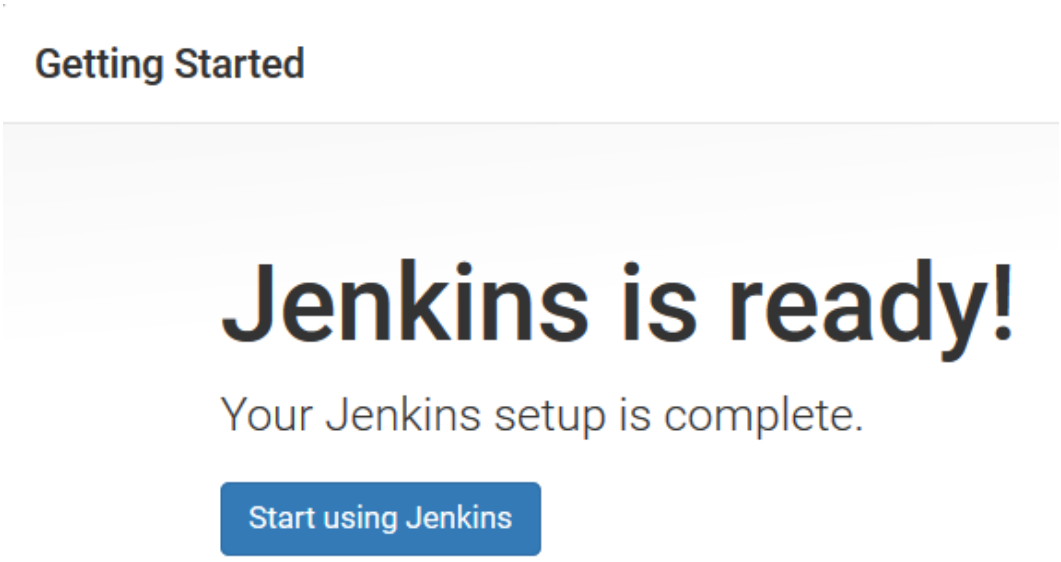

secrets - File Browser
File Edit View Go Bookmarks Tabs Help
Back Forward
Location: /root/.jenkins/secrets
100%
Icon View
Places
root
Desktop
File System
Network
CanonEOS293W
Trash
Documents
Music
Pictures
Videos
Downloads
filepath-filters.d
whitelisted-callables.d
hudson.util.Secret
a88cd
initialAdminPassword
jenkins.model.Jenkins.crumbSalt
jenkins.security.ApiTokenProperty.seed
4ba97
master.key
org.jenkinsci.main.modules.instance_identity.InstanceIdentity.KEY
false
slave-to-master-security-kill-switch
"initialAdminPassword" selected (33 bytes)

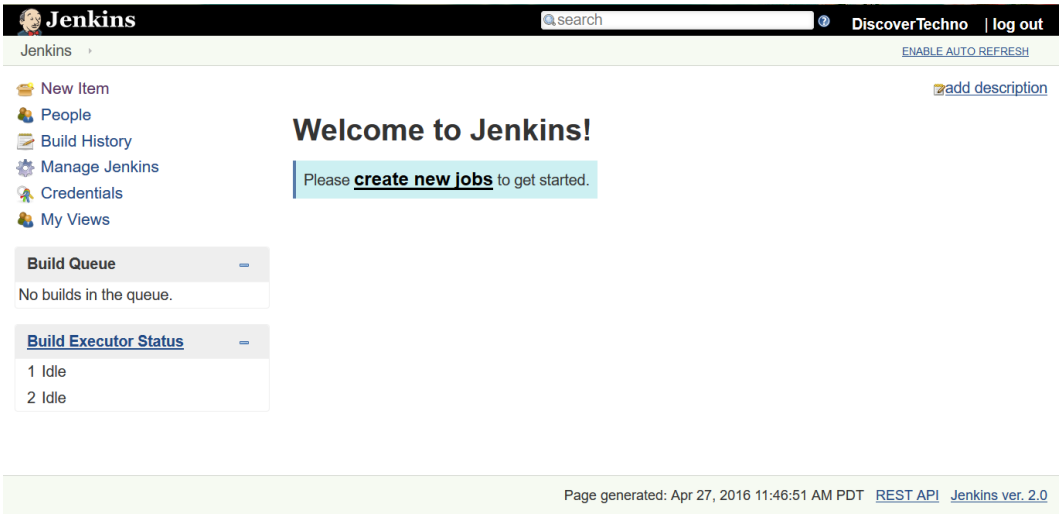

Getting Started
Unlock Jenkins
To ensure Jenkins is securely set up by the administrator, a password has been written to the log (not sure where to find it?) and this file on the server:
/root/.jenkins/secrets/initialAdminPassword
Please copy the password from either location and paste it below.
Administrator password
Continue

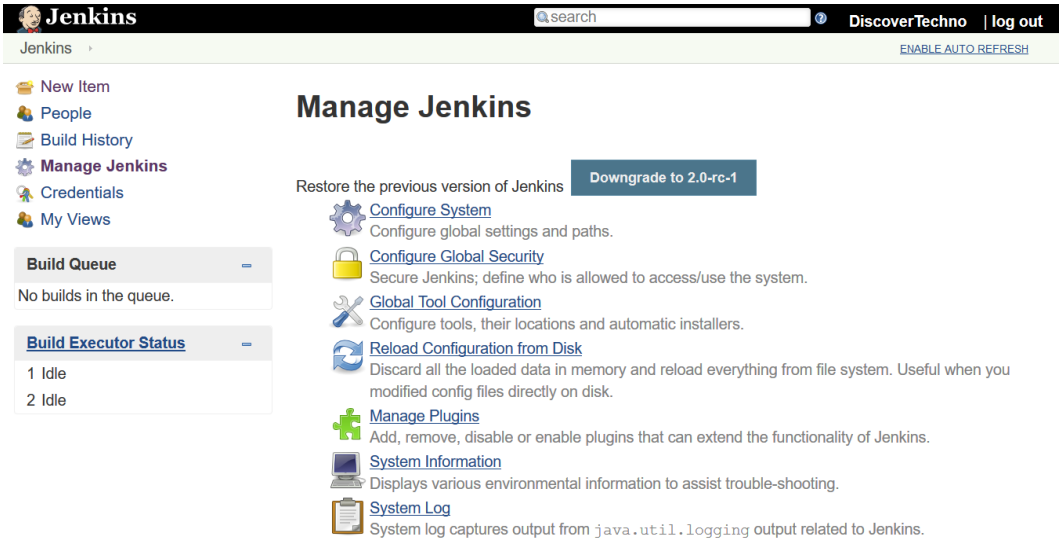

Getting Started
Customize Jenkins
Plugins extend Jenkins with additional features to support many different needs.
Install suggested plugins
Install plugins the Jenkins community finds most useful.
Select plugins to install
Select and install plugins most suitable for your needs.

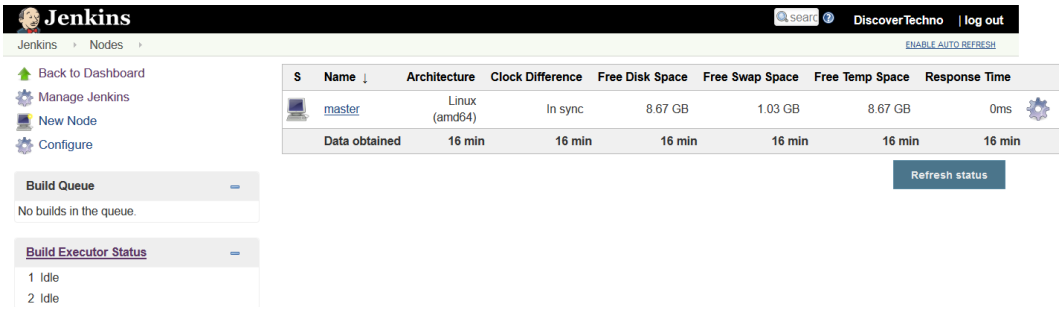

Getting Started
Getting Started
Ant Plugin
OWASP Markup Formatter Plugin
build timeout plugin
Folders Plugin
Credentials Binding Plugin
Email Extension Plugin
Git plugin
Gradle plugin
LDAP Plugin
Mailer Plugin
Matrix Authorization Strategy Plugin
PAM Authentication plugin
Pipeline: Stage View Plugin
SSH Slaves plugin
Subversion Plug-in
Timestamper
Pipeline
GitHub Organization Folder Plugin
Workspace Cleanup Plugin
** JUnit Plugin
PAM Authentication plugin
** Script Security Plugin
** Matrix Project Plugin
** Windows Slaves Plugin
Jenkins Mailer Plugin
LDAP Plugin
** - required dependency

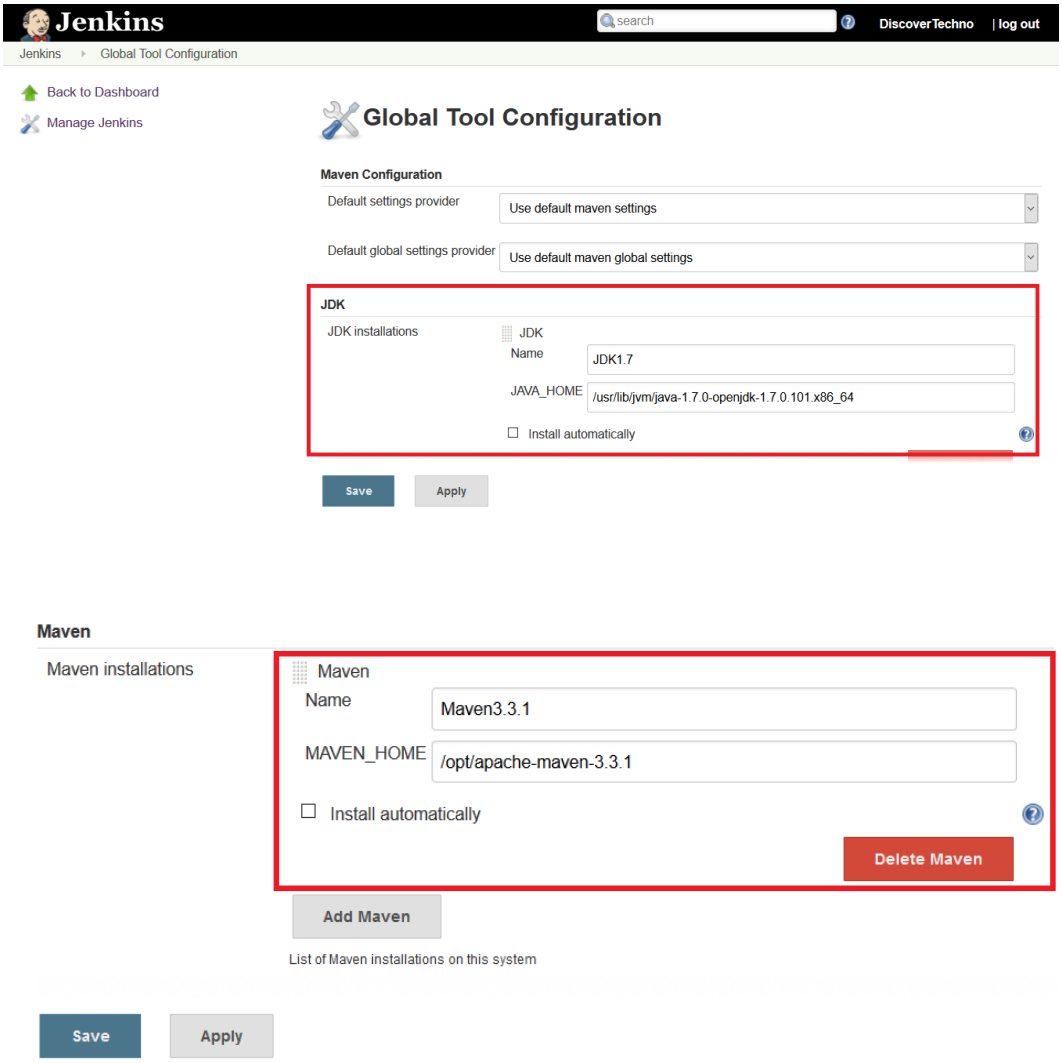

Getting Started
Create First Admin User
Username:
discovertechno
Password:
Confirm password:
Full name:
DiscoverTechno
E-mail address:
Continue as admin
Save and Finish

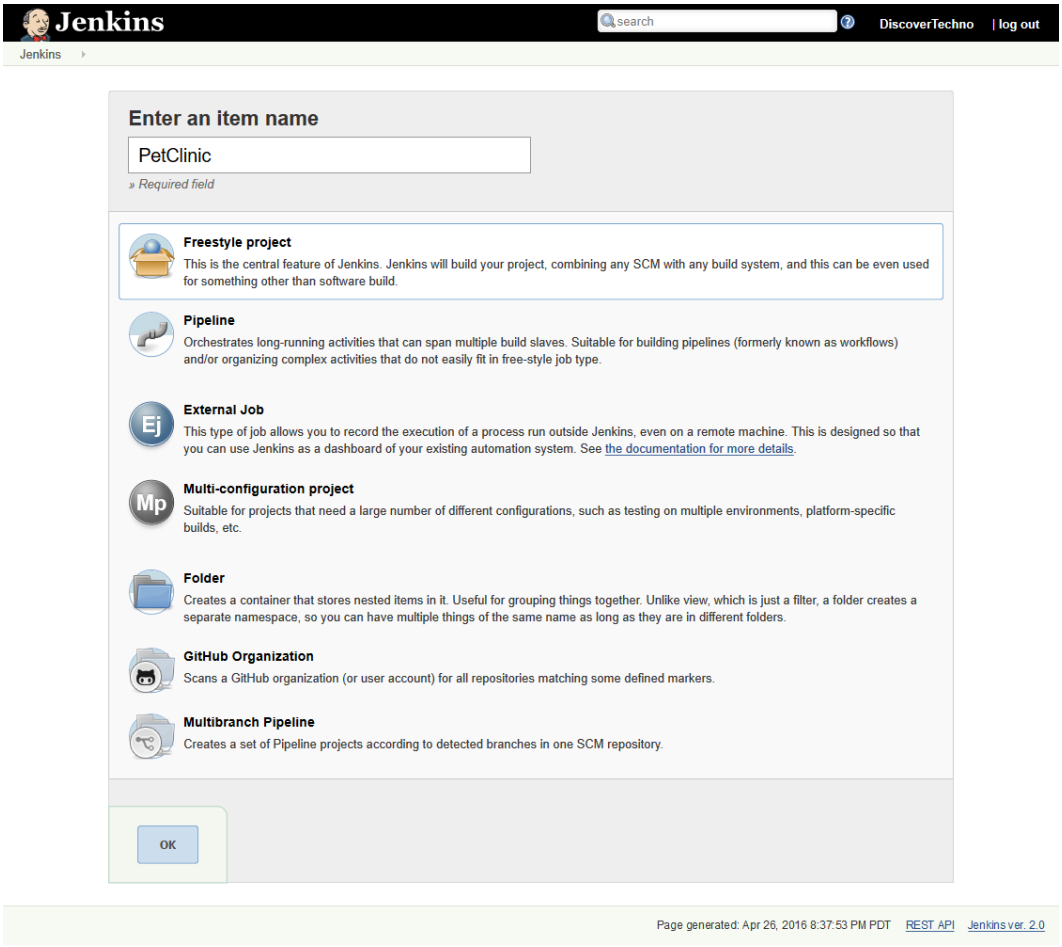

Getting Started
Jenkins is ready!
Your Jenkins setup is complete.
Start using Jenkins

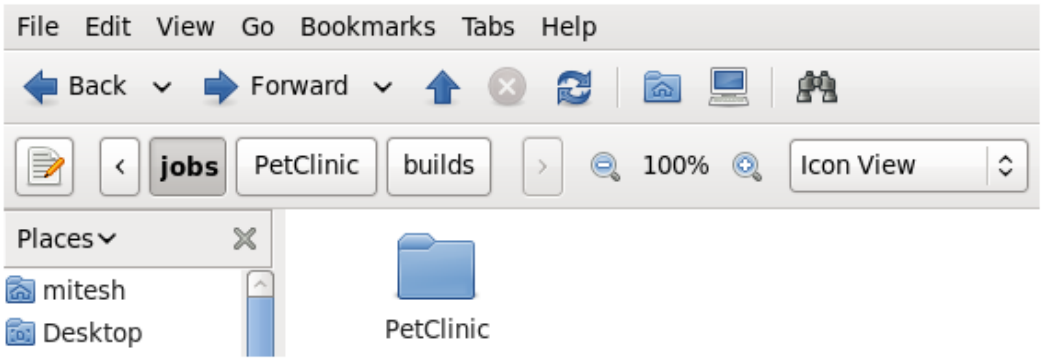

Jenkins
search
DiscoverTechno | log out
Jenkins
ENABLE AUTO REFRESH
New Item
People
Build History
Manage Jenkins
Credentials
My Views
add description
Welcome to Jenkins!
Please create new jobs to get started.
Build Queue
No builds in the queue.
Build Executor Status
1 Idle
2 Idle
Page generated: Apr 27, 2016 11:46:51 AM PDT REST API Jenkins ver. 2.0


Jenkins
search
DiscoverTechno | log out
Jenkins
ENABLE AUTO REFRESH
New Item
People
Build History
Manage Jenkins
Credentials
My Views
Build Queue
No builds in the queue.
Build Executor Status
1 Idle
2 Idle
Manage Jenkins
Restore the previous version of Jenkins
Downgrade to 2.0-rc-1
Configure System
Configure global settings and paths.
Configure Global Security
Secure Jenkins; define who is allowed to access/use the system.
Global Tool Configuration
Configure tools, their locations and automatic installers.
Reload Configuration from Disk
Discard all the loaded data in memory and reload everything from file system. Useful when you modified config files directly on disk.
Manage Plugins
Add, remove, disable or enable plugins that can extend the functionality of Jenkins.
System Information
Displays various environmental information to assist trouble-shooting.
System Log
System log captures output from java.util.logging output related to Jenkins.


Jenkins
DiscoverTechno | log out
Jenkins Nodes
ENABLE AUTO REFRESH
Back to Dashboard
Manage Jenkins
New Node
Configure
Build Queue
No builds in the queue.
Build Executor Status
1 Idle
2 Idle
S
Name
Architecture
Clock Difference
Free Disk Space
Free Swap Space
Free Temp Space
Response Time
master
Linux (amd64)
In sync
8.67 GB
1.03 GB
8.67 GB
0ms
Data obtained
16 min
16 min
16 min
16 min
16 min
16 min
Refresh status

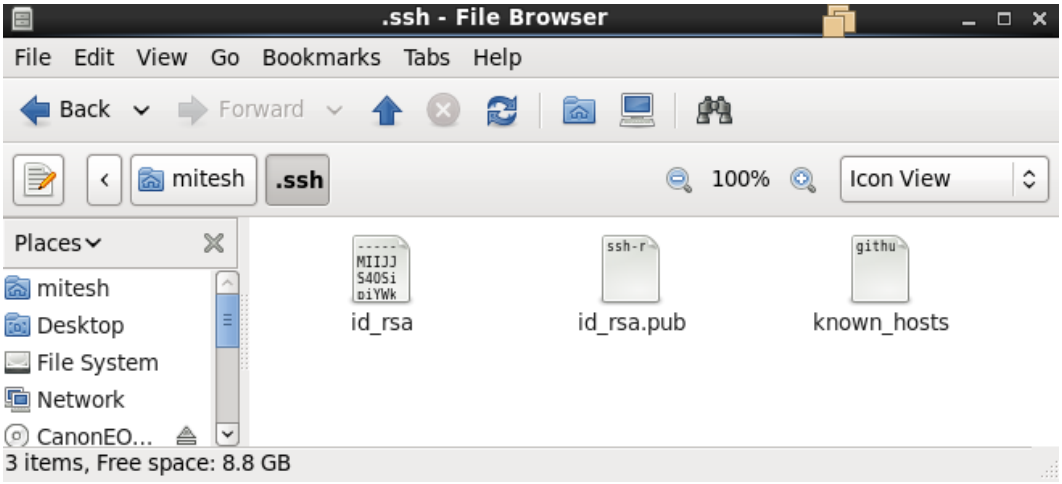

Jenkins
search
DiscoverTechno
| log out
Jenkins
Global Tool Configuration
Back to Dashboard
Manage Jenkins
Global Tool Configuration
Maven Configuration
Default settings provider
Use default maven settings
Default global settings provider
Use default maven global settings
JDK
JDK installations
JDK
Name
JDK1.7
JAVA_HOME
/usr/lib/jvm/java-1.7.0-openjdk-1.7.0.101.x86_64
Install automatically
Save
Apply
Maven
Maven installations
Maven
Name
Maven3.3.1
MAVEN_HOME
/opt/apache-maven-3.3.1
Install automatically
Delete Maven
Add Maven
List of Maven installations on this system
Save
Apply

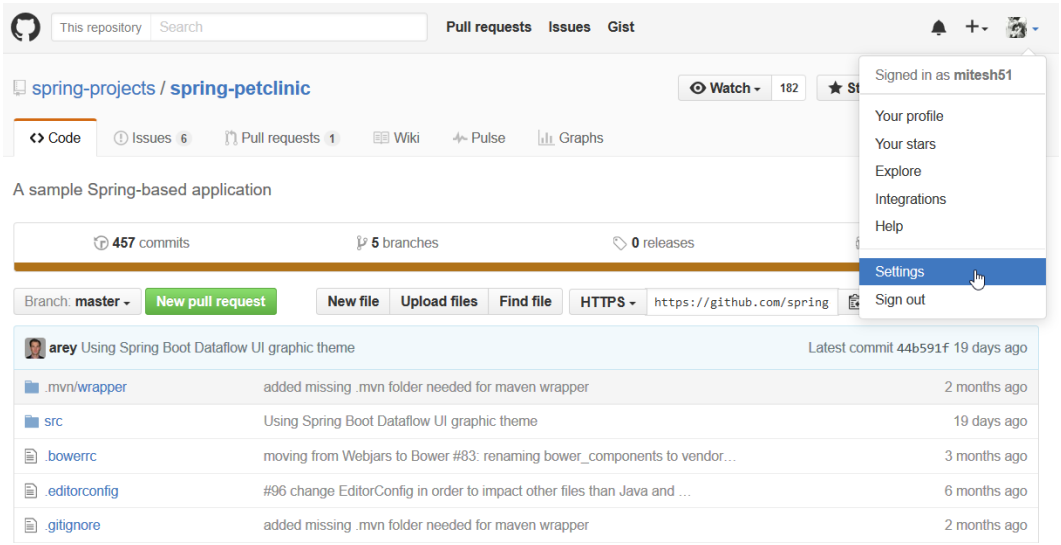

Jenkins
search
DiscoverTechno
| log out
Jenkins
Enter an item name
PetClinic
» Required field
Freestyle project
This is the central feature of Jenkins. Jenkins will build your project, combining any SCM with any build system, and this can be even used for something other than software build.
Pipeline
Orchestrates long-running activities that can span multiple build slaves. Suitable for building pipelines (formerly known as workflows) and/or organizing complex activities that do not easily fit in free-style job type.
External Job
This type of job allows you to record the execution of a process run outside Jenkins, even on a remote machine. This is designed so that you can use Jenkins as a dashboard of your existing automation system. See the documentation for more details.
Multi-configuration project
Suitable for projects that need a large number of different configurations, such as testing on multiple environments, platform-specific builds, etc.
Folder
Creates a container that stores nested items in it. Useful for grouping things together. Unlike view, which is just a filter, a folder creates a separate namespace, so you can have multiple things of the same name as long as they are in different folders.
GitHub Organization
Scans a GitHub organization (or user account) for all repositories matching some defined markers.
Multibranch Pipeline
Creates a set of Pipeline projects according to detected branches in one SCM repository.
OK
Page generated: Apr 26, 2016 8:37:53 PM PDT
REST API
Jenkins ver. 2.0

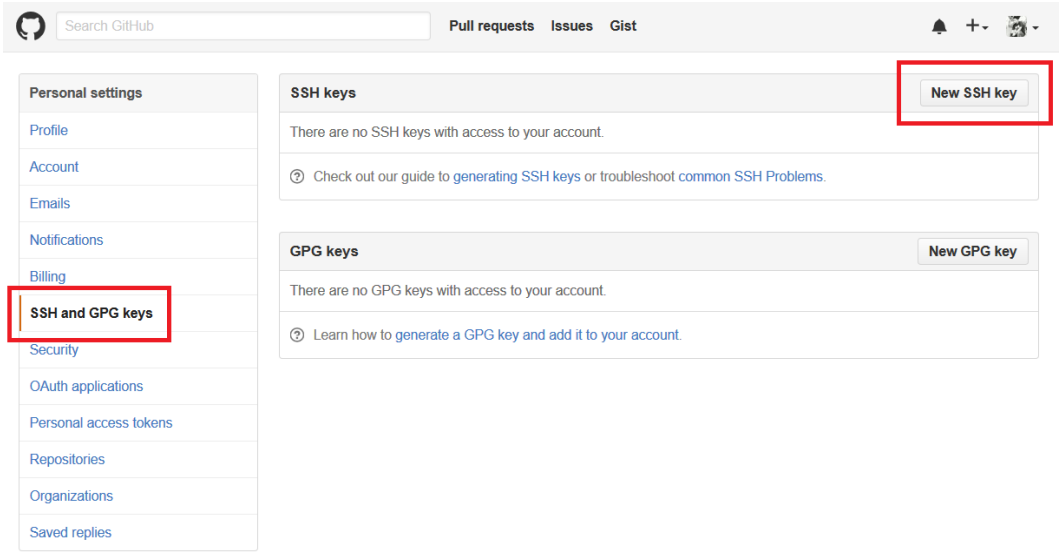

File
Edit
View
Go
Bookmarks
Tabs
Help
Back
Forward
jobs
PetClinic
builds
100%
Icon View
Places
mitesh
Desktop
PetClinic

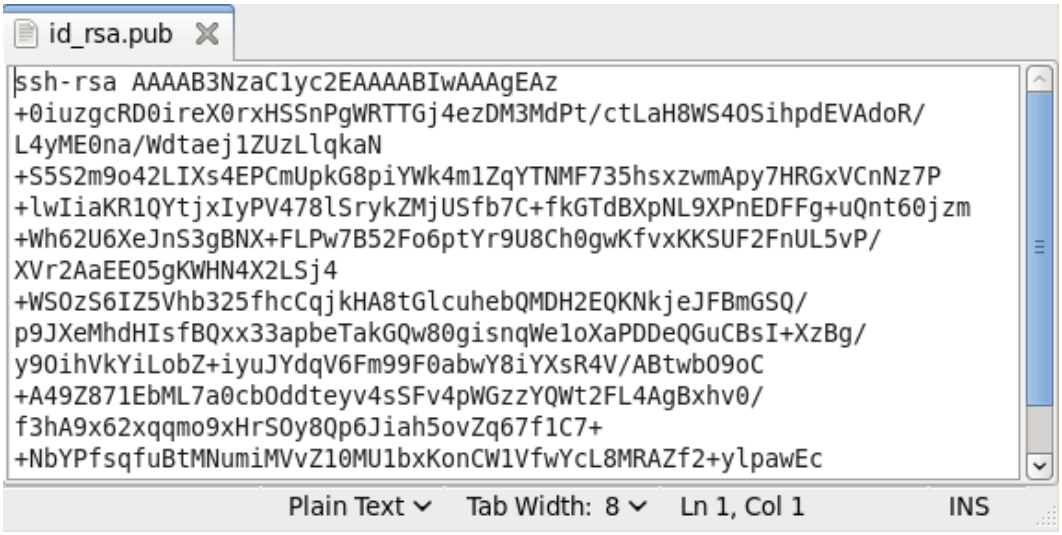
```
[mitesh@devops1 git]$ ssh-keygen -t rsa -b 4096 -C "[redacted]@gmail.com"
Generating public/private rsa key pair.
Enter file in which to save the key (/home/mitesh/.ssh/id_rsa):
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/mitesh/.ssh/id_rsa.
Your public key has been saved in /home/mitesh/.ssh/id_rsa.pub.
The key fingerprint is:
d5:48:73:9f:94:d8:02:32:75:5d:c8:08:da:33:2b:5d mitesh.soni83@gmail.com
The key's randomart image is:
+--[ RSA 4096]----+
|        o.*oo*.+.|
|         * *+o*. |
|        . * E.o  |
|         o =     |
|        S o      |
|         .       |
|                 |
|                 |
|                 |
+-----------------+
[mitesh@devops1 git]$
```

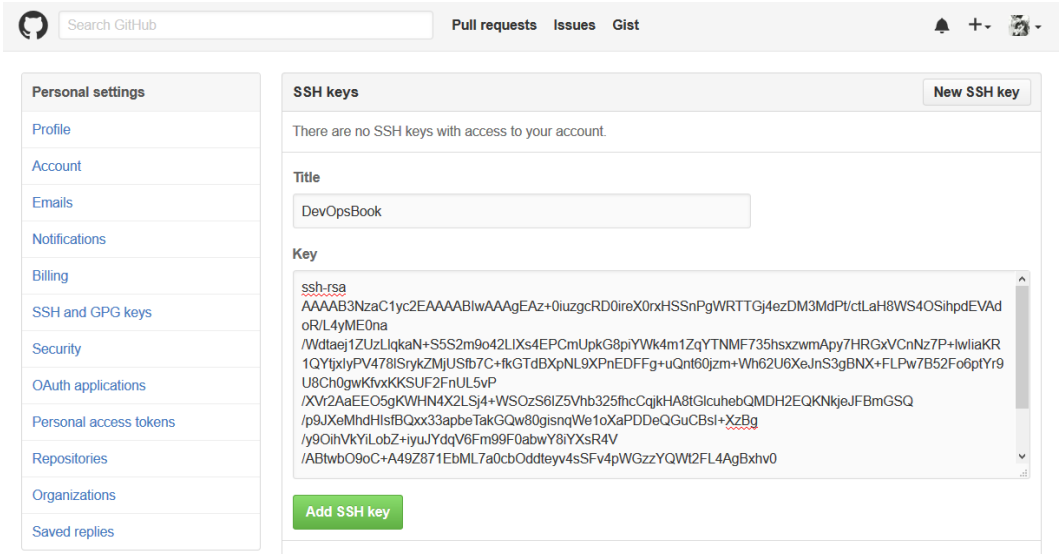
```
[mitesh@devops1 git]$ ssh-add ~/.ssh/id_rsa
Identity added: /home/mitesh/.ssh/id_rsa (/home/mitesh/.ssh/id_rsa)
[mitesh@devops1 git]$
```

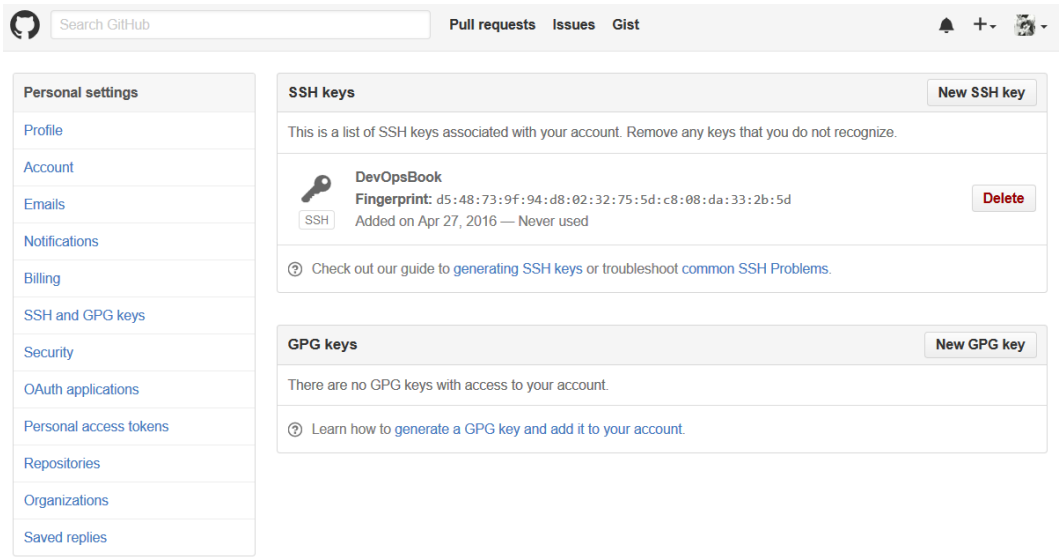

.ssh - File Browser
File Edit View Go Bookmarks Tabs Help
Back Forward
mitesh .ssh
100%
Icon View
Places
mitesh
Desktop
File System
Network
CanonEO...
id_rsa
id_rsa.pub
known_hosts
3 items, Free space: 8.8 GB


This repository Search
Pull requests Issues Gist
spring-projects / spring-petclinic
Watch 182
Code Issues 6 Pull requests 1 Wiki Pulse Graphs
A sample Spring-based application
457 commits 5 branches 0 releases
Branch: master New pull request
New file Upload files Find file HTTPS https://github.com/spring
arey Using Spring Boot Dataflow UI graphic theme
Latest commit 44b591f 19 days ago
.mvn/wrapper added missing .mvn folder needed for maven wrapper 2 months ago
src Using Spring Boot Dataflow UI graphic theme 19 days ago
.bowerrc moving from Webjars to Bower #83: renaming bower_components to vendor... 3 months ago
.editorconfig #96 change EditorConfig in order to impact other files than Java and ... 6 months ago
.gitignore added missing .mvn folder needed for maven wrapper 2 months ago
Signed in as mitesh51
Your profile
Your stars
Explore
Integrations
Help
Settings
Sign out

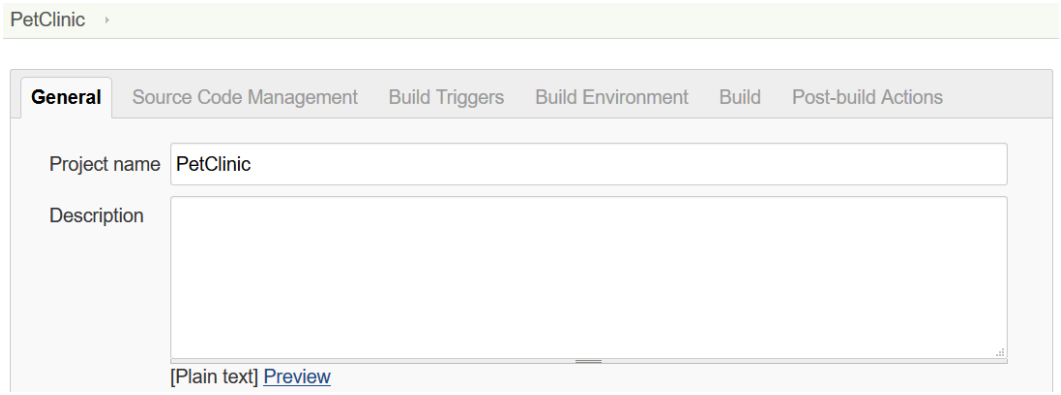

Search GitHub
Pull requests
Issues
Gist
Personal settings
Profile
Account
Emails
Notifications
Billing
SSH and GPG keys
Security
OAuth applications
Personal access tokens
Repositories
Organizations
Saved replies
SSH keys
New SSH key
There are no SSH keys with access to your account.
Check out our guide to generating SSH keys or troubleshoot common SSH Problems.
GPG keys
New GPG key
There are no GPG keys with access to your account.
Learn how to generate a GPG key and add it to your account.

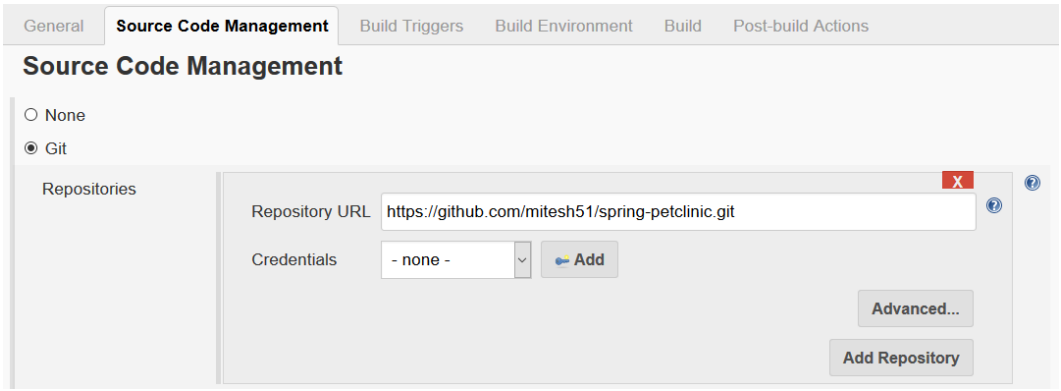

id_rsa.pub
ssh-rsa AAAAB3NzaC1yc2EAAAABIwAAAgEAz
+0iuzgcRD0ireX0rxHSSnPgWRTTGj4ezDM3MdPt/ctLaH8WS4OSihpdEVAdoR/
L4yME0na/Wdtaej1ZUzLlqkaN
+S5S2m9o42LIXs4EPCmUpkG8piYWk4m1ZqYTNMF735hsxzwmApy7HRGxVCnNz7P
+lwIiaKR1QYtjxIyPV478lSrykZMjUSfb7C+fkGTdBXpNL9XPnEDFFg+uQnt60jzm
+Wh62U6XeJnS3gBNX+FLPw7B52Fo6ptYr9U8Ch0gwKfvxKKSUF2FnUL5vP/
XVr2AaEEO5gKWHN4X2LSj4
+WSOzS6IZ5Vhb325fhcCqjkHA8tGlcuhebQMDH2EQKNkjeJFBmGSQ/
p9JXeMhdHIsfBQxx33apbeTakGQw80gisnqWe1oXaPDDeQGuCBsI+XzBg/
y9OihVkYiLobZ+iyuJYdqV6Fm99F0abwY8iYXsR4V/ABtwbO9oC
+A49Z871EbML7a0cbOddteyv4sSFv4pWGzzYQWt2FL4AgBxhv0/
f3hA9x62xqqmo9xHrSOy8Qp6Jiah5ovZq67f1C7+
+NbYPfsqfuBtMNumiMVvZ10MU1bxKonCW1VfwYcL8MRAZf2+ylpawEc
Plain Text
Tab Width: 8
Ln 1, Col 1
INS

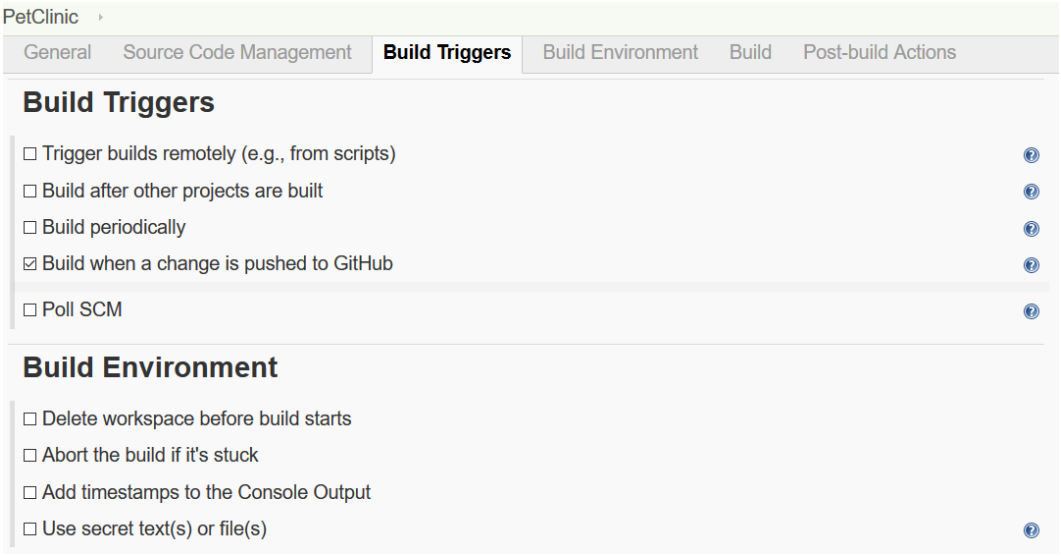

Search GitHub
Pull requests
Issues
Gist
Personal settings
Profile
Account
Emails
Notifications
Billing
SSH and GPG keys
Security
OAuth applications
Personal access tokens
Repositories
Organizations
Saved replies
SSH keys
New SSH key
There are no SSH keys with access to your account.
Title
DevOpsBook
Key
ssh-rsa
AAAAB3NzaC1yc2EAAAABIwAAAgEAz+0iuzgcRD0ireX0rxHSSnPgWRTTGj4ezDM3MdPt/ctLaH8WS4OSihpdEVAd
oR/L4yME0na
/Wdtaej1ZUzLlqkaN+S5S2m9o42LIXs4EPCmUpkG8piYWk4m1ZqYTNMF735hsxzwmApy7HRGxVCnNz7P+lwliaKR
1QYtjxlyPV478lSrykZMjUSfb7C+fkGTdBXpNL9XPnEDFFg+uQnt60jzm+Wh62U6XeJnS3gBNX+FLPw7B52Fo6ptYr9
U8Ch0gwKfvxKKSUF2FnUL5vP
/XVr2AaEEO5gKWHN4X2LSj4+WSOzS6lZ5Vhb325fhcCqjkHA8tGlcuhebQMDH2EQKNkjeJFBmGSQ
/p9JXeMhdHlsfBQxx33apbeTakGQw80gisnqWe1oXaPDDeQGuCBsl+XzBg
/y9OihVkYiLobZ+iyuJYdqV6Fm99F0abwY8iYXsR4V
/ABtwbO9oC+A49Z871EbML7a0cbOddteyv4sSFv4pWGzzYQWt2FL4AgBxhv0
Add SSH key

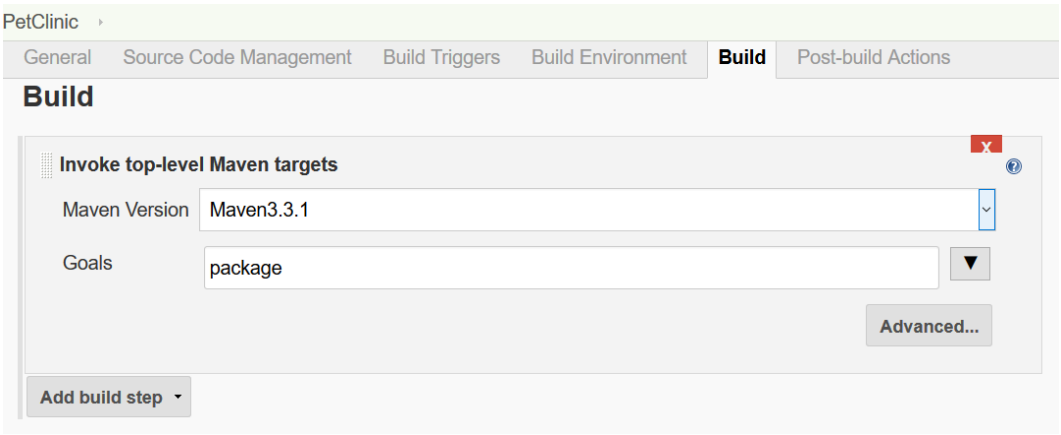

Search GitHub
Pull requests
Issues
Gist
Personal settings
Profile
Account
Emails
Notifications
Billing
SSH and GPG keys
Security
OAuth applications
Personal access tokens
Repositories
Organizations
Saved replies
SSH keys
New SSH key
This is a list of SSH keys associated with your account. Remove any keys that you do not recognize.
DevOpsBook
Fingerprint: d5:48:73:9f:94:d8:02:32:75:5d:c8:08:da:33:2b:5d
SSH
Added on Apr 27, 2016 — Never used
Delete
Check out our guide to generating SSH keys or troubleshoot common SSH Problems.
GPG keys
New GPG key
There are no GPG keys with access to your account.
Learn how to generate a GPG key and add it to your account.

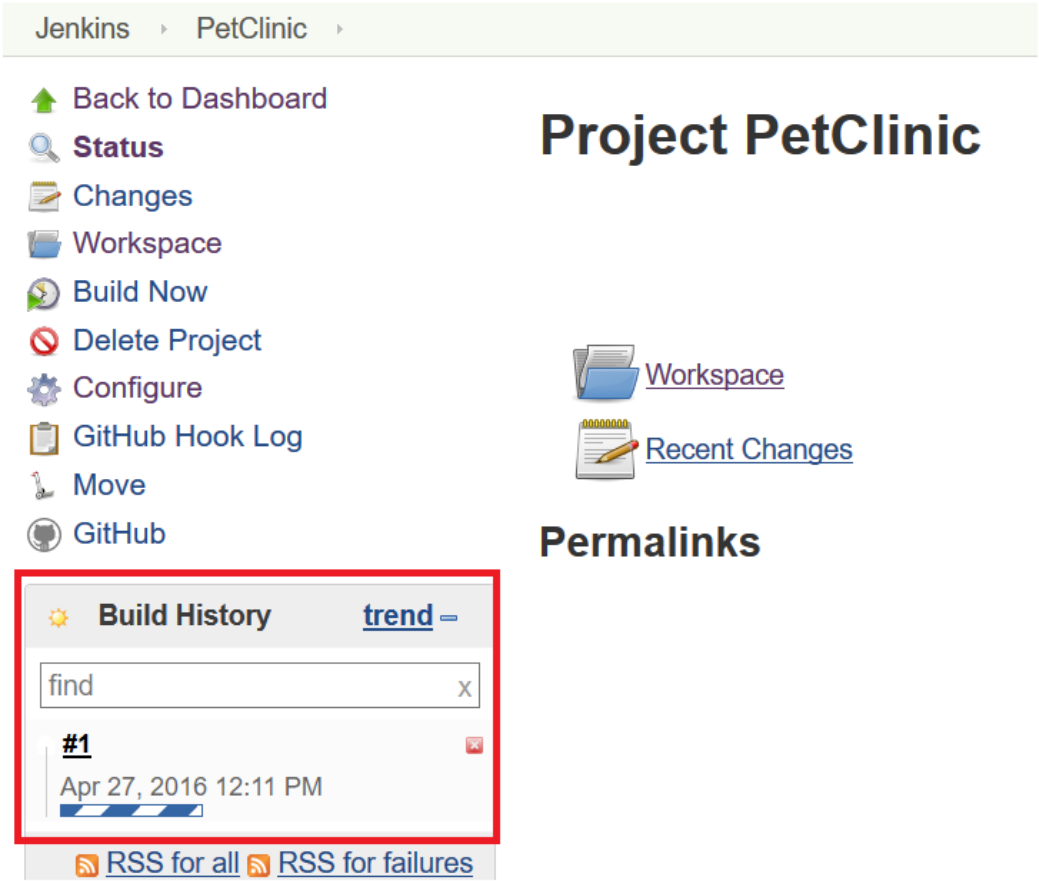
mitesh@devops1:~/Desktop
mitesh@devops1:~/Desktop/git
[mitesh@devops1 git]$ ssh -T git@github.com
Hi mitesh51! You've successfully authenticated, but GitHub does not provide shell access
.
[mitesh@devops1 git]$

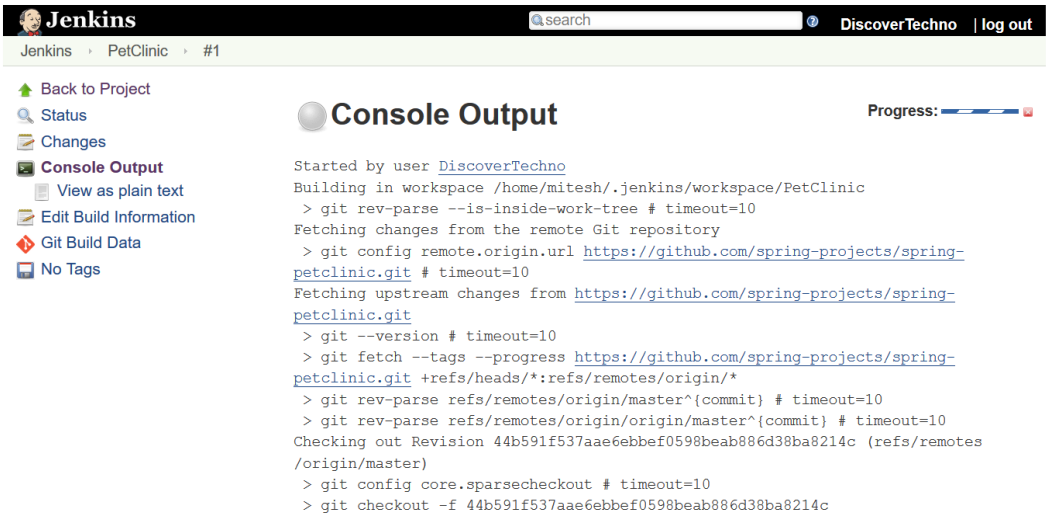

PetClinic
General
Source Code Management
Build Triggers
Build Environment
Build
Post-build Actions
Project name
PetClinic
Description
[Plain text] Preview


General
Source Code Management
Build Triggers
Build Environment
Build
Post-build Actions
Source Code Management
None
Git
Repositories
Repository URL
https://github.com/mitesh51/spring-petclinic.git
Credentials
- none -
Add
Advanced...
Add Repository

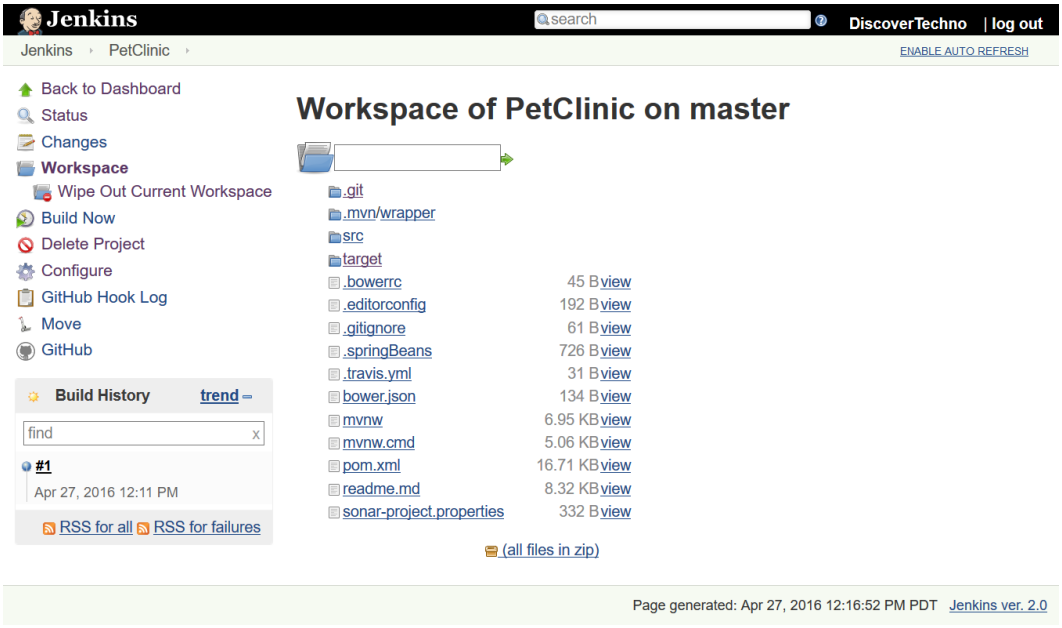

PetClinic
General
Source Code Management
Build Triggers
Build Environment
Build
Post-build Actions
Build Triggers
Trigger builds remotely (e.g., from scripts)
Build after other projects are built
Build periodically
Build when a change is pushed to GitHub
Poll SCM
Build Environment
Delete workspace before build starts
Abort the build if it's stuck
Add timestamps to the Console Output
Use secret text(s) or file(s)

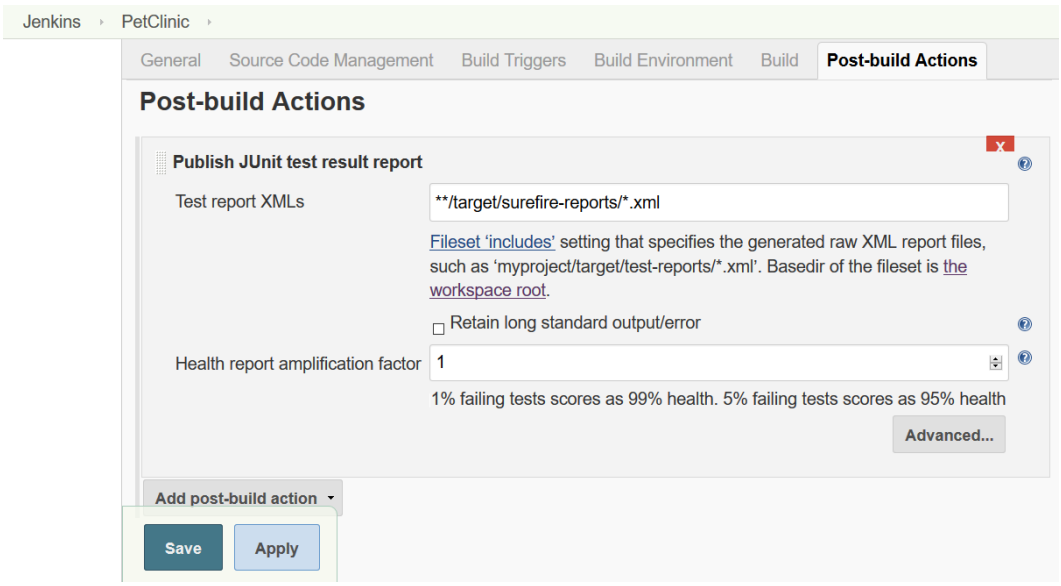

PetClinic
General
Source Code Management
Build Triggers
Build Environment
Build
Post-build Actions
Build
Invoke top-level Maven targets
Maven Version
Maven3.3.1
Goals
package
Advanced...
Add build step

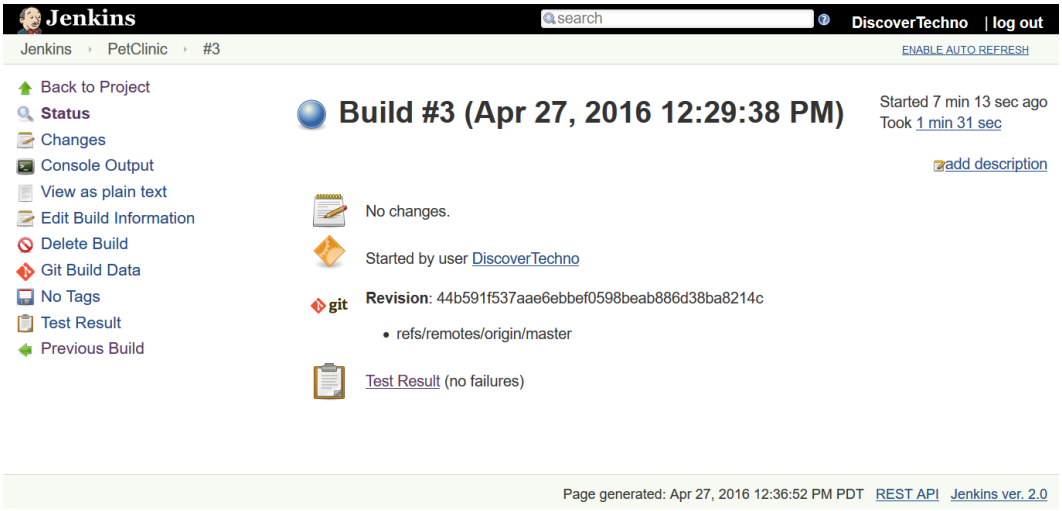

Jenkins
PetClinic
Back to Dashboard
Status
Changes
Workspace
Build Now
Delete Project
Configure
GitHub Hook Log
Move
GitHub
Build History
trend
find
x
#1
Apr 27, 2016 12:11 PM
RSS for all
RSS for failures
Project PetClinic
Workspace
Recent Changes
Permalinks

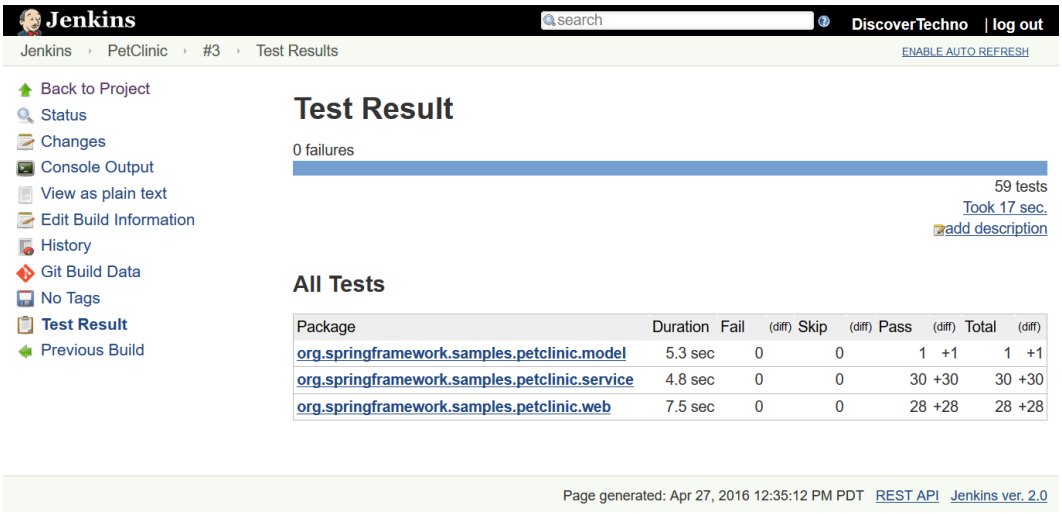

Jenkins
search
DiscoverTechno | log out
Jenkins › PetClinic › #1
Back to Project
Status
Changes
Console Output
View as plain text
Edit Build Information
Git Build Data
No Tags
Console Output
Progress:
Started by user DiscoverTechno
Building in workspace /home/mitesh/.jenkins/workspace/PetClinic
> git rev-parse --is-inside-work-tree # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/spring-projects/spring-petclinic.git # timeout=10
Fetching upstream changes from https://github.com/spring-projects/spring-petclinic.git
> git --version # timeout=10
> git fetch --tags --progress https://github.com/spring-projects/spring-petclinic.git +refs/heads/*:refs/remotes/origin/*
> git rev-parse refs/remotes/origin/master^{commit} # timeout=10
> git rev-parse refs/remotes/origin/origin/master^{commit} # timeout=10
Checking out Revision 44b591f537aae6ebbef0598beab886d38ba8214c (refs/remotes/origin/master)
> git config core.sparsecheckout # timeout=10
> git checkout -f 44b591f537aae6ebbef0598beab886d38ba8214c

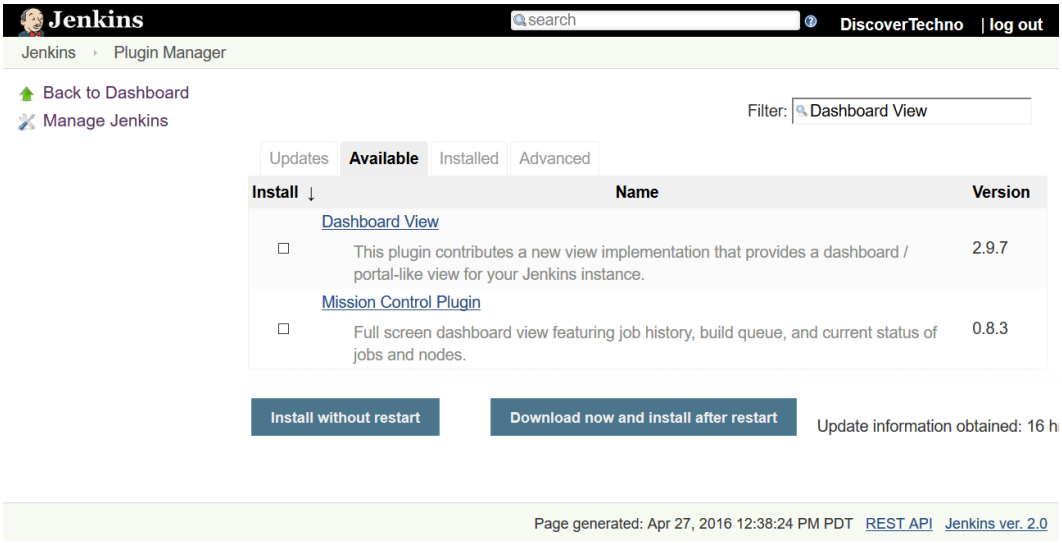
Jenkins › PetClinic › #1
[INFO]
[INFO] --- maven-war-plugin:2.3:war (default-war) @ spring-petclinic ---
[INFO] Packaging webapp
[INFO] Assembling webapp [spring-petclinic] in [/home/mitesh/.jenkins/workspace/PetClinic/target/spring-petclinic-4.2.5-SNAPSHOT]
[INFO] Processing war project
[INFO] Copying webapp resources [/home/mitesh/.jenkins/workspace/PetClinic/src/main/webapp]
[INFO] Webapp assembled in [12697 msecs]
[INFO] Building war: /home/mitesh/.jenkins/workspace/PetClinic/target/petclinic.war
[INFO] --
[INFO] BUILD SUCCESS
[INFO] --
[INFO] Total time: 03:14 min
[INFO] Finished at: 2016-04-27T12:15:29-07:00
[INFO] Final Memory: 27M/214M
[INFO] --
Finished: SUCCESS
Page generated: Apr 27, 2016 12:12:13 PM PDT REST API Jenkins ver. 2.0

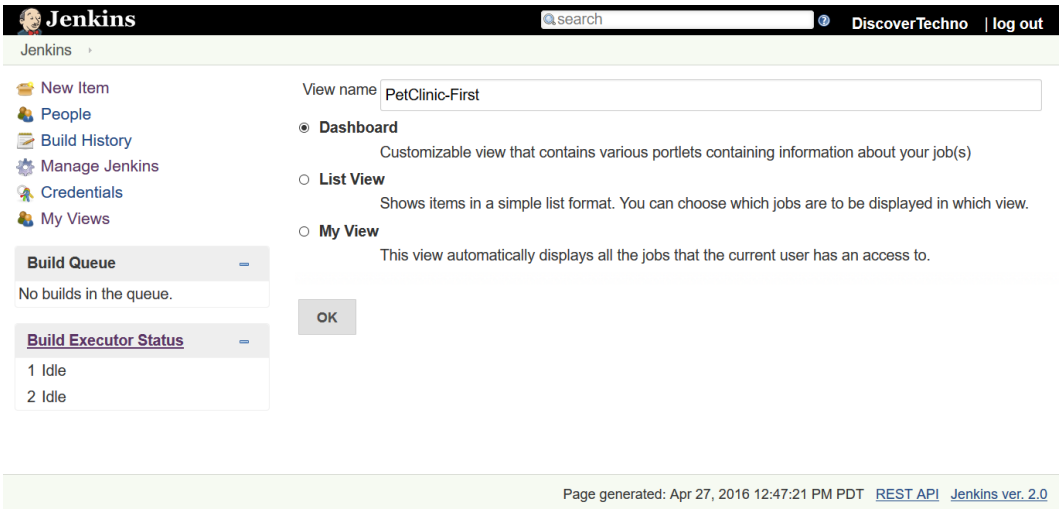

Jenkins
search
DiscoverTechno | log out
Jenkins › PetClinic ›
ENABLE AUTO REFRESH
Back to Dashboard
Status
Changes
Workspace
Wipe Out Current Workspace
Build Now
Delete Project
Configure
GitHub Hook Log
Move
GitHub
Build History trend
find
#1
Apr 27, 2016 12:11 PM
RSS for all RSS for failures
Workspace of PetClinic on master
.git
.mvn/wrapper
src
target
.bowerrc 45 B view
.editorconfig 192 B view
.gitignore 61 B view
.springBeans 726 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 16.71 KB view
readme.md 8.32 KB view
sonar-project.properties 332 B view
(all files in zip)
Page generated: Apr 27, 2016 12:16:52 PM PDT Jenkins ver. 2.0


Jenkins › PetClinic ›
General
Source Code Management
Build Triggers
Build Environment
Build
Post-build Actions
Post-build Actions
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
Advanced...
Add post-build action
Save
Apply


Jenkins
search
DiscoverTechno | log out
Jenkins › PetClinic › #3
ENABLE AUTO REFRESH
Back to Project
Status
Changes
Console Output
View as plain text
Edit Build Information
Delete Build
Git Build Data
No Tags
Test Result
Previous Build
Build #3 (Apr 27, 2016 12:29:38 PM)
Started 7 min 13 sec ago
Took 1 min 31 sec
add description
No changes.
Started by user DiscoverTechno
git
Revision: 44b591f537aae6ebbef0598beab886d38ba8214c
refs/remotes/origin/master
Test Result (no failures)
Page generated: Apr 27, 2016 12:36:52 PM PDT REST API Jenkins ver. 2.0


Jenkins
search
DiscoverTechno | log out
Jenkins › PetClinic › #3 › Test Results
ENABLE AUTO REFRESH
Back to Project
Status
Changes
Console Output
View as plain text
Edit Build Information
History
Git Build Data
No Tags
Test Result
Previous Build
Test Result
0 failures
59 tests
Took 17 sec.
add description
All Tests
Package Duration Fail (diff) Skip (diff) Pass (diff) Total (diff)
org.springframework.samples.petclinic.model 5.3 sec 0 0 1 +1 1 +1
org.springframework.samples.petclinic.service 4.8 sec 0 0 30 +30 30 +30
org.springframework.samples.petclinic.web 7.5 sec 0 0 28 +28 28 +28
Page generated: Apr 27, 2016 12:35:12 PM PDT REST API Jenkins ver. 2.0


Jenkins
search
DiscoverTechno | log out
Jenkins › Plugin Manager
Back to Dashboard
Manage Jenkins
Filter: Dashboard View
Updates
Available
Installed
Advanced
Install ↓
Name
Version
Dashboard View
This plugin contributes a new view implementation that provides a dashboard / portal-like view for your Jenkins instance.
2.9.7
Mission Control Plugin
Full screen dashboard view featuring job history, build queue, and current status of jobs and nodes.
0.8.3
Install without restart
Download now and install after restart
Update information obtained: 16 h
Page generated: Apr 27, 2016 12:38:24 PM PDT REST API Jenkins ver. 2.0


Jenkins
search
DiscoverTechno | log out
Jenkins ›
New Item
People
Build History
Manage Jenkins
Credentials
My Views
Build Queue
No builds in the queue.
Build Executor Status
1 Idle
2 Idle
View name PetClinic-First
Dashboard
Customizable view that contains various portlets containing information about your job(s)
List View
Shows items in a simple list format. You can choose which jobs are to be displayed in which view.
My View
This view automatically displays all the jobs that the current user has an access to.
OK
Page generated: Apr 27, 2016 12:47:21 PM PDT REST API Jenkins ver. 2.0

Dashboard Portlets

☑ Show standard Jenkins list at the top of the page
☐ Full screen view - hide standard Jenkins panels
☐ Set CSS custom parameters

Portlets at the top of the page

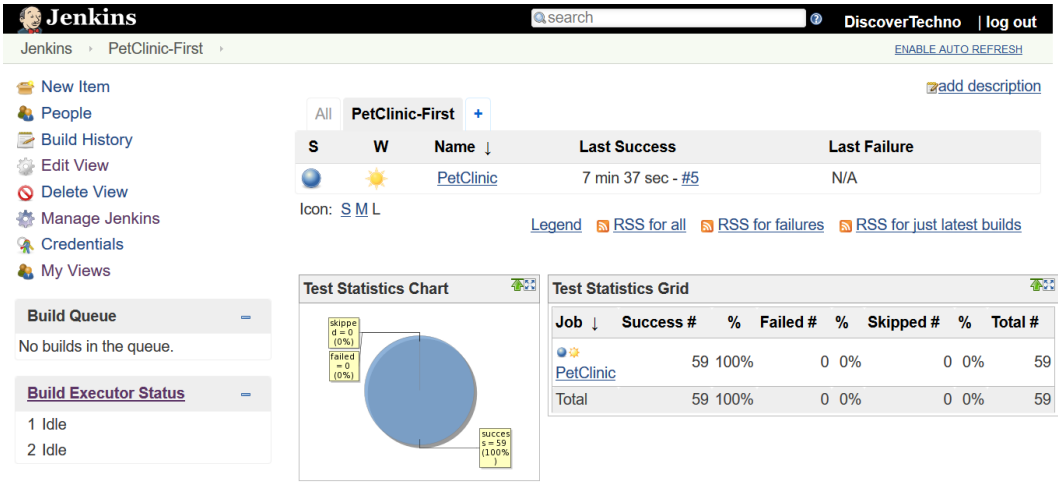
Add Dashboard Portlet to the top of the view

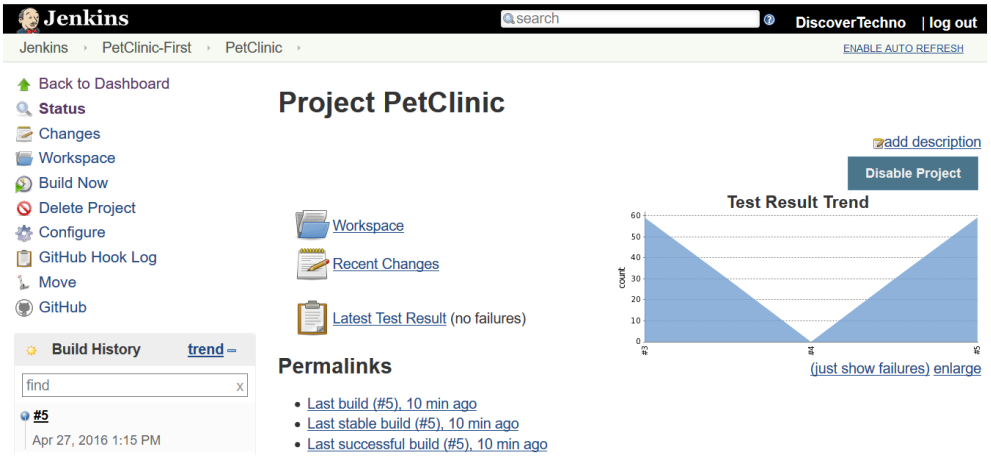
Portlets in the left column

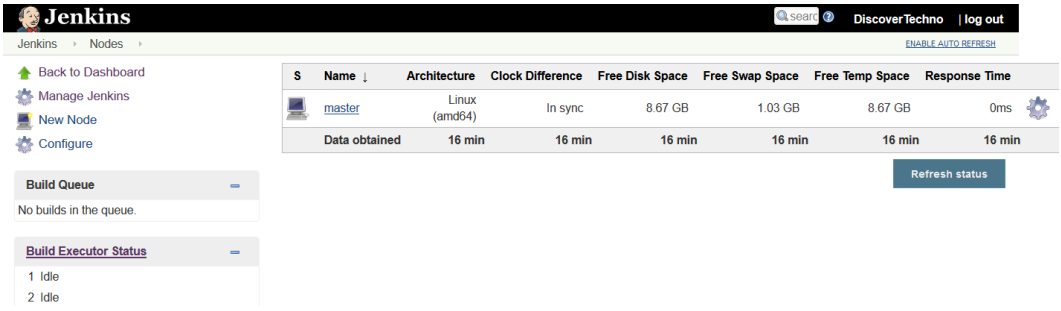
Test Statistics Chart

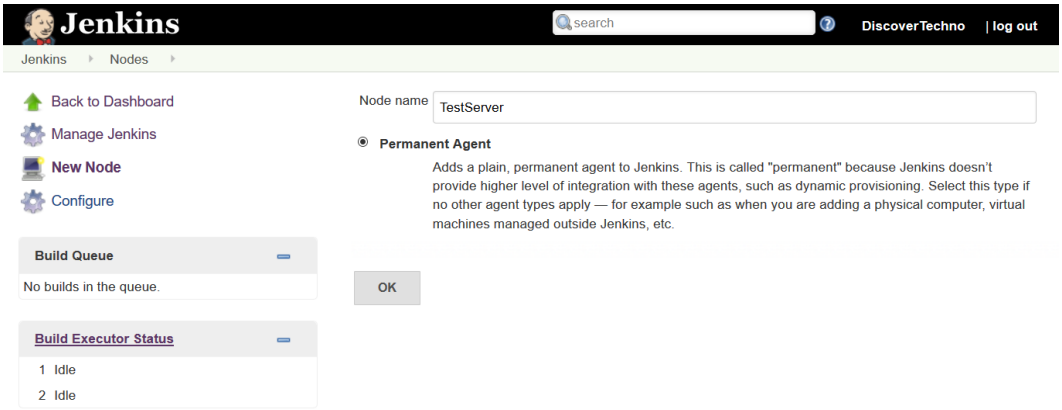
Display name: Test Statistics Chart

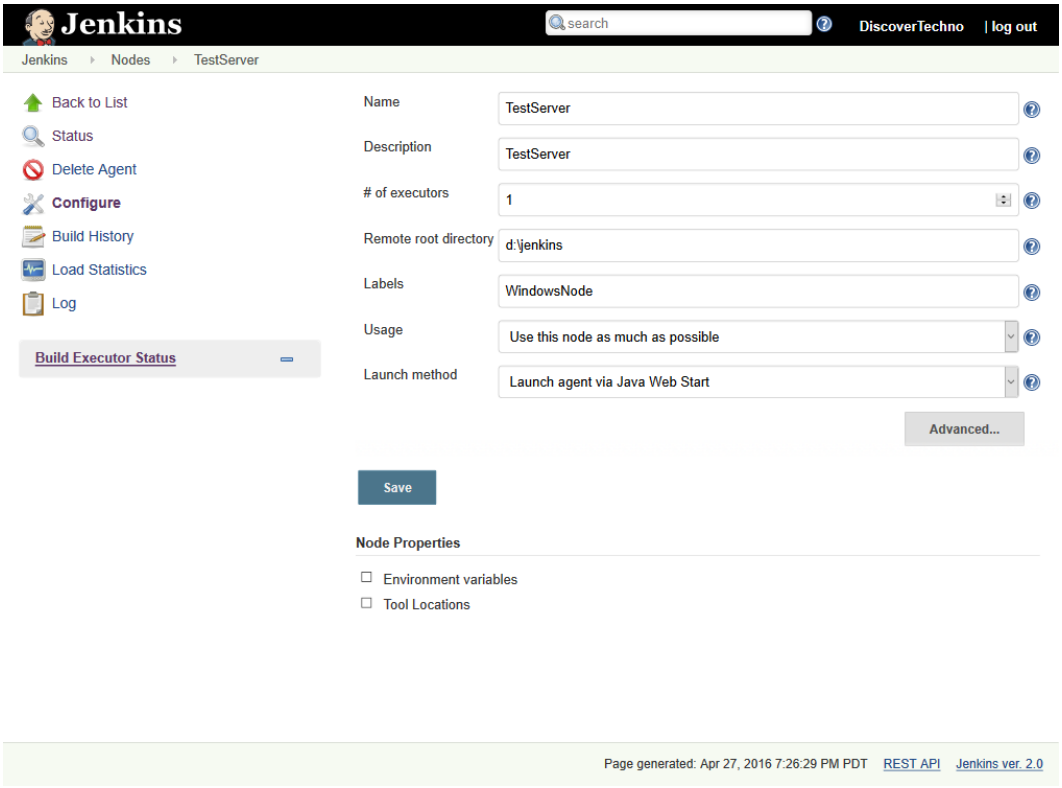
Delete

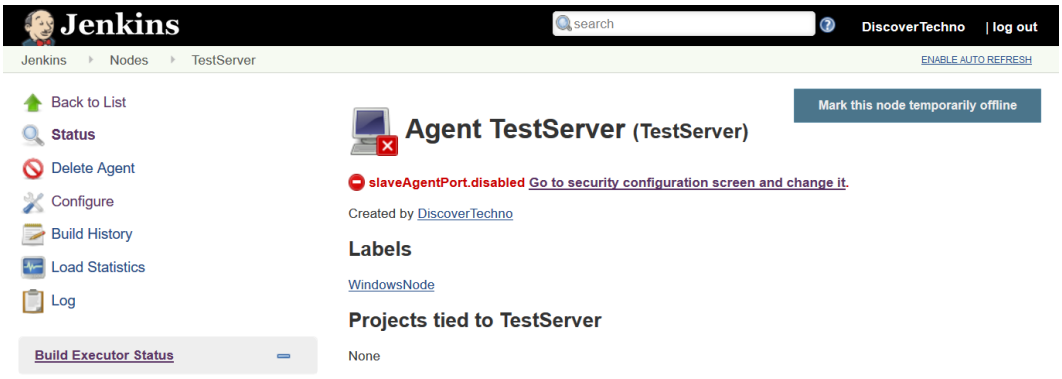


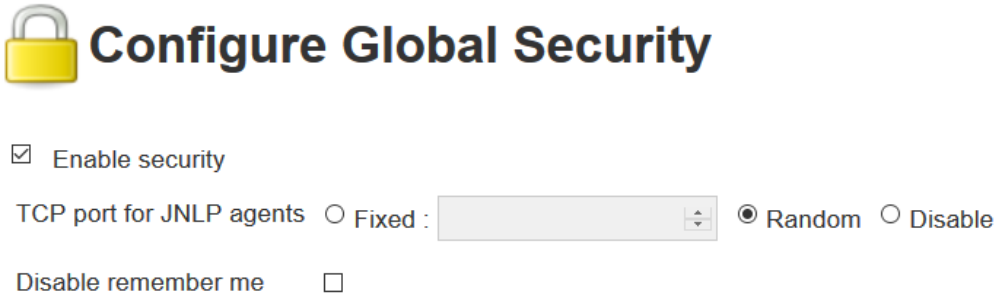

Jenkins
search
DiscoverTechno | log out
Jenkins › PetClinic-First › PetClinic ›
ENABLE AUTO REFRESH
Back to Dashboard
Status
Changes
Workspace
Build Now
Delete Project
Configure
GitHub Hook Log
Move
GitHub
Build History trend
find
#5
Apr 27, 2016 1:15 PM
Project PetClinic
add description
Disable Project
Workspace
Recent Changes
Latest Test Result (no failures)
Test Result Trend
count
(just show failures) enlarge
Permalinks
Last build (#5), 10 min ago
Last stable build (#5), 10 min ago
Last successful build (#5), 10 min ago

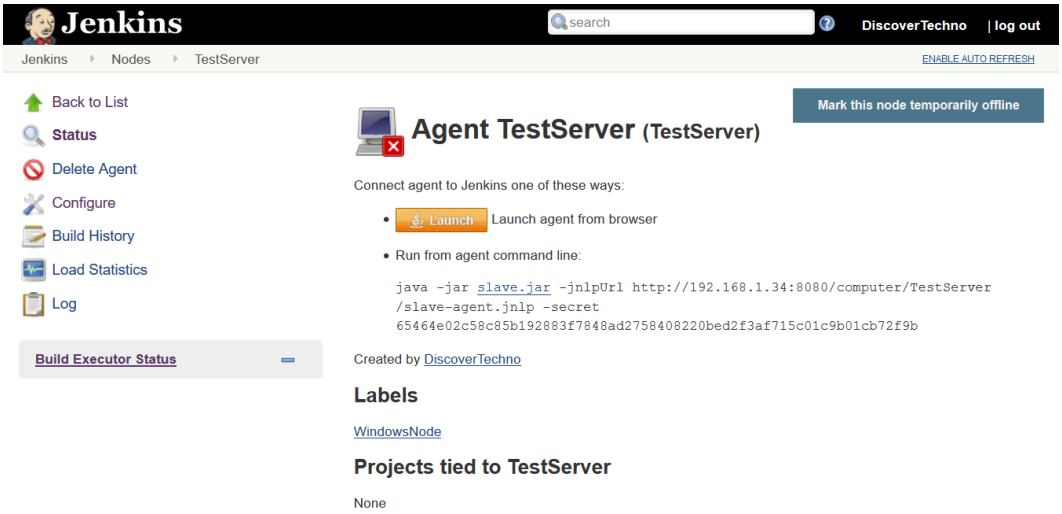

Jenkins
DiscoverTechno | log out
Jenkins › Nodes ›
ENABLE AUTO REFRESH
Back to Dashboard
Manage Jenkins
New Node
Configure
Build Queue
No builds in the queue.
Build Executor Status
1 Idle
2 Idle
S
Name
Architecture
Clock Difference
Free Disk Space
Free Swap Space
Free Temp Space
Response Time
master
Linux (amd64)
In sync
8.67 GB
1.03 GB
8.67 GB
0ms
Data obtained
16 min
Refresh status

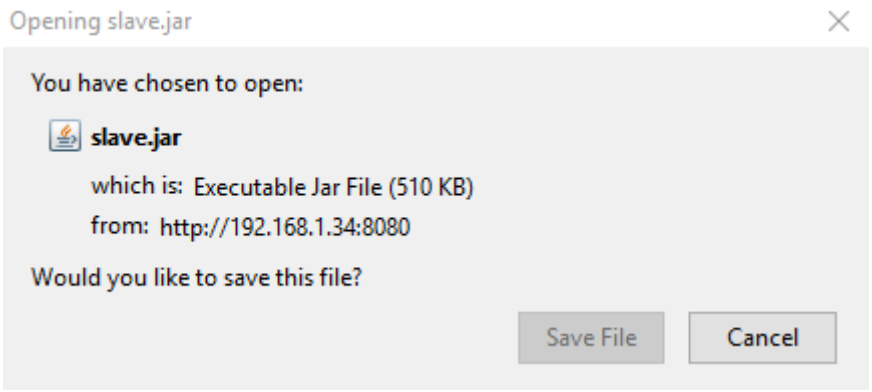

Jenkins
search
DiscoverTechno | log out
Jenkins › Nodes ›
Back to Dashboard
Manage Jenkins
New Node
Configure
Build Queue
No builds in the queue.
Build Executor Status
1 Idle
2 Idle
Node name
TestServer
Permanent Agent
Adds a plain, permanent agent to Jenkins. This is called "permanent" because Jenkins doesn't provide higher level of integration with these agents, such as dynamic provisioning. Select this type if no other agent types apply — for example such as when you are adding a physical computer, virtual machines managed outside Jenkins, etc.
OK

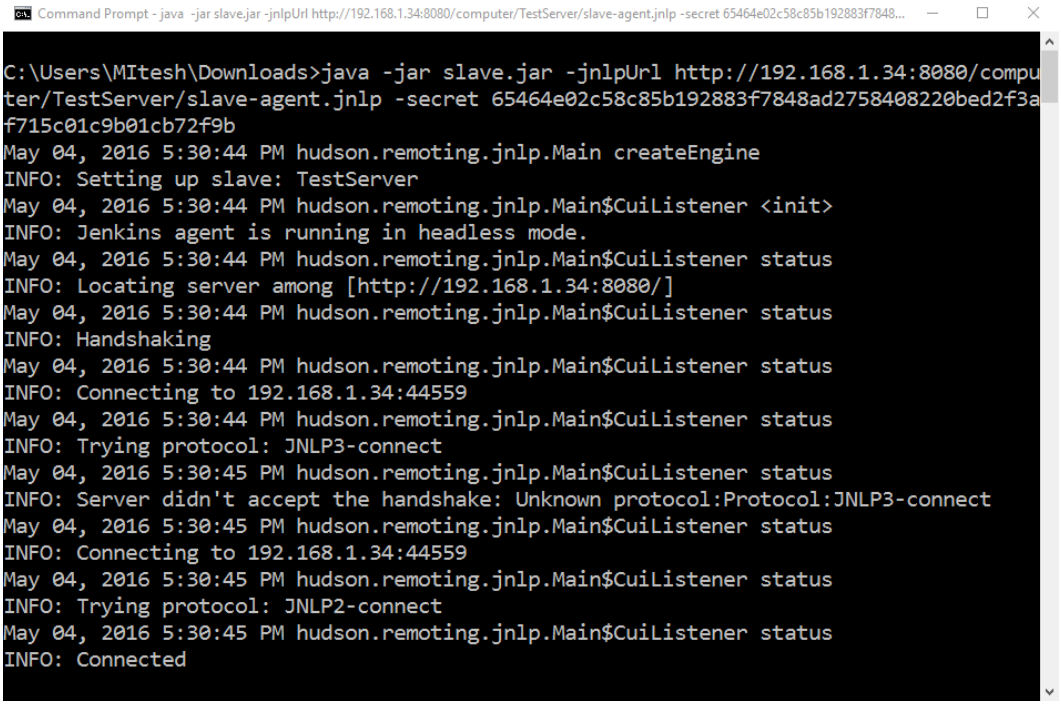

Jenkins
search
DiscoverTechno
| log out
Jenkins
Nodes
TestServer
Back to List
Status
Delete Agent
Configure
Build History
Load Statistics
Log
Build Executor Status
Name
TestServer
Description
TestServer
# of executors
1
Remote root directory
d:\jenkins
Labels
WindowsNode
Usage
Use this node as much as possible
Launch method
Launch agent via Java Web Start
Advanced...
Save
Node Properties
Environment variables
Tool Locations
Page generated: Apr 27, 2016 7:26:29 PM PDT
REST API
Jenkins ver. 2.0


Jenkins
search
DiscoverTechno
| log out
Jenkins
Nodes
TestServer
ENABLE AUTO REFRESH
Back to List
Status
Delete Agent
Configure
Build History
Load Statistics
Log
Build Executor Status
Mark this node temporarily offline
Agent TestServer (TestServer)
slaveAgentPort.disabled
Go to security configuration screen and change it.
Created by DiscoverTechno
Labels
WindowsNode
Projects tied to TestServer
None


Configure Global Security
Enable security
TCP port for JNLP agents
Fixed :
Random
Disable
Disable remember me


Jenkins
search
DiscoverTechno
| log out
Jenkins
Nodes
TestServer
ENABLE AUTO REFRESH
Back to List
Status
Delete Agent
Configure
Build History
Load Statistics
Log
Build Executor Status
Mark this node temporarily offline
Agent TestServer (TestServer)
Connect agent to Jenkins one of these ways:
Launch
Launch agent from browser
Run from agent command line:
java -jar slave.jar -jnlpUrl http://192.168.1.34:8080/computer/TestServer
/slave-agent.jnlp -secret
65464e02c58c85b192883f7848ad2758408220bed2f3af715c01c9b01cb72f9b
Created by DiscoverTechno
Labels
WindowsNode
Projects tied to TestServer
None


Opening slave.jar
You have chosen to open:
slave.jar
which is: Executable Jar File (510 KB)
from: http://192.168.1.34:8080
Would you like to save this file?
Save File
Cancel


Command Prompt - java -jar slave.jar -jnlpUrl http://192.168.1.34:8080/computer/TestServer/slave-agent.jnlp -secret 65464e02c58c85b192883f7848...
C:\Users\MItesh\Downloads>java -jar slave.jar -jnlpUrl http://192.168.1.34:8080/computer/TestServer/slave-agent.jnlp -secret 65464e02c58c85b192883f7848ad2758408220bed2f3af715c01c9b01cb72f9b
May 04, 2016 5:30:44 PM hudson.remoting.jnlp.Main createEngine
INFO: Setting up slave: TestServer
May 04, 2016 5:30:44 PM hudson.remoting.jnlp.Main$CuiListener <init>
INFO: Jenkins agent is running in headless mode.
May 04, 2016 5:30:44 PM hudson.remoting.jnlp.Main$CuiListener status
INFO: Locating server among [http://192.168.1.34:8080/]
May 04, 2016 5:30:44 PM hudson.remoting.jnlp.Main$CuiListener status
INFO: Handshaking
May 04, 2016 5:30:44 PM hudson.remoting.jnlp.Main$CuiListener status
INFO: Connecting to 192.168.1.34:44559
May 04, 2016 5:30:44 PM hudson.remoting.jnlp.Main$CuiListener status
INFO: Trying protocol: JNLP3-connect
May 04, 2016 5:30:45 PM hudson.remoting.jnlp.Main$CuiListener status
INFO: Server didn't accept the handshake: Unknown protocol:Protocol:JNLP3-connect
May 04, 2016 5:30:45 PM hudson.remoting.jnlp.Main$CuiListener status
INFO: Connecting to 192.168.1.34:44559
May 04, 2016 5:30:45 PM hudson.remoting.jnlp.Main$CuiListener status
INFO: Trying protocol: JNLP2-connect
May 04, 2016 5:30:45 PM hudson.remoting.jnlp.Main$CuiListener status
INFO: Connected

Agent TestServer (TestServer)

Connected via JNLP agent.

Created by DiscoverTechno

Labels

WindowsNode

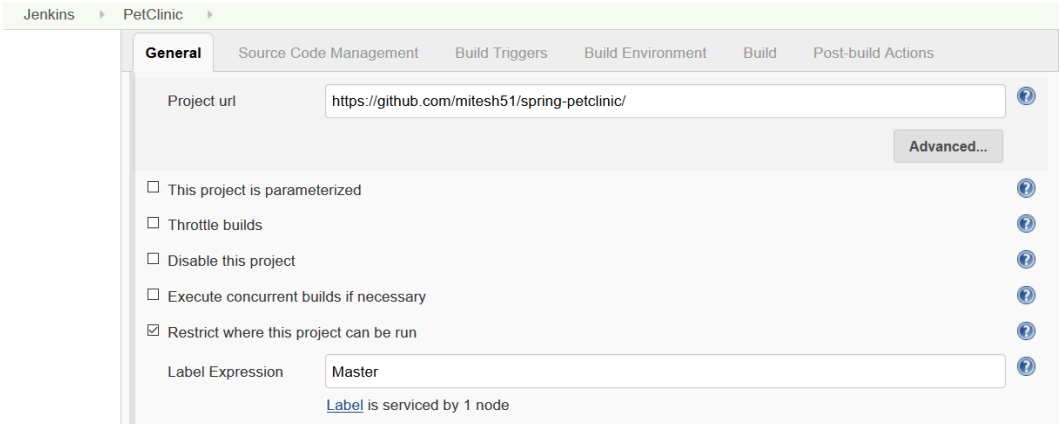
Projects tied to TestServer

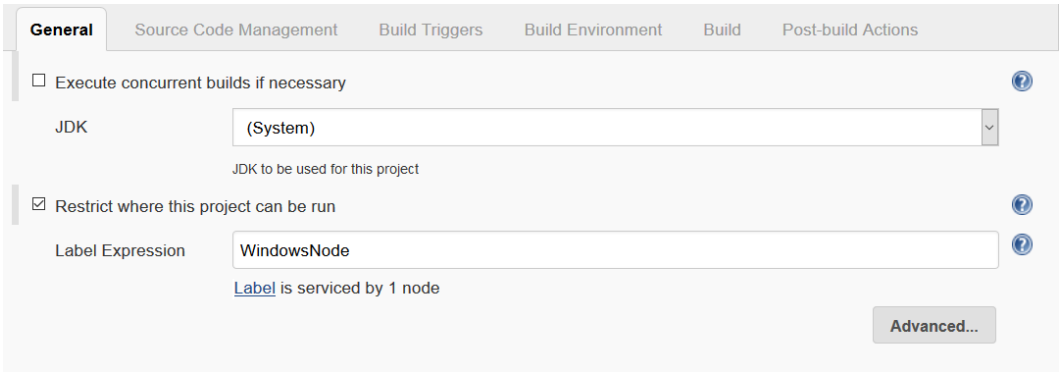
None

Nodes

ENABLE AUTO REFRESH

S	Name ↓	Architecture	Clock Difference	Free Disk Space	Free Swap Space	Free Temp Space	Response Time	
	master	Linux (amd64)	In sync	8.60 GB	1.92 GB	8.60 GB	0ms	
	TestServer	Windows 8 (amd64)	In sync	N/A	3.56 GB	133.27 GB	2562ms	
	Data obtained	**8 min 25 sec**	**8 min 25 sec**	**8 min 25 sec**	**8 min 22 sec**	**8 min 25 sec**	**8 min 25 sec**	


Jenkins
PetClinic
General
Source Code Management
Build Triggers
Build Environment
Build
Post-build Actions
Project url
https://github.com/mitesh51/spring-petclinic/
Advanced...
This project is parameterized
Throttle builds
Disable this project
Execute concurrent builds if necessary
Restrict where this project can be run
Label Expression
Master
Label is serviced by 1 node


General
Source Code Management
Build Triggers
Build Environment
Build
Post-build Actions
Execute concurrent builds if necessary
JDK
(System)
JDK to be used for this project
Restrict where this project can be run
Label Expression
WindowsNode
Label is serviced by 1 node
Advanced...

Node Properties

☐ Environment variables

☑ Tool Locations

List of tool locations

Name (Git) Default

Home C:\Program Files\Git\bin\git.exe

Delete

Name (JDK) WindowsJDK

Home C:\Program Files\Java\jdk1.8.0

Delete

Name (Maven) WindowsMaven

Home C:\apache-maven-3.3.1

Delete

Google

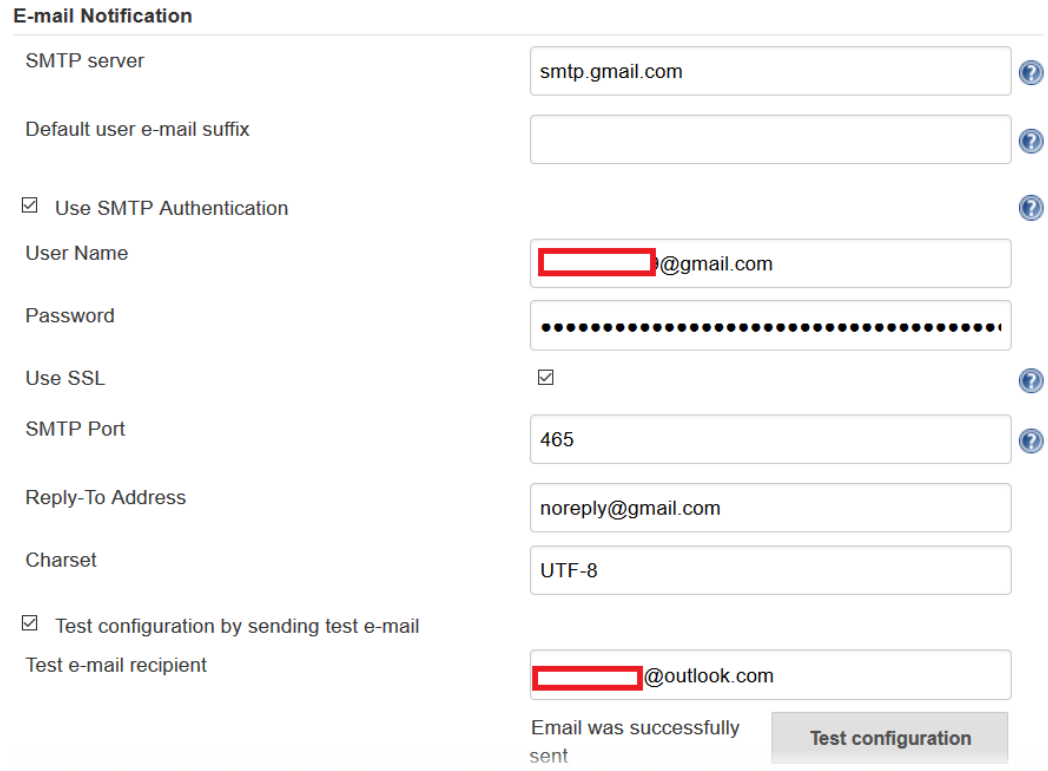
← **Less secure apps**

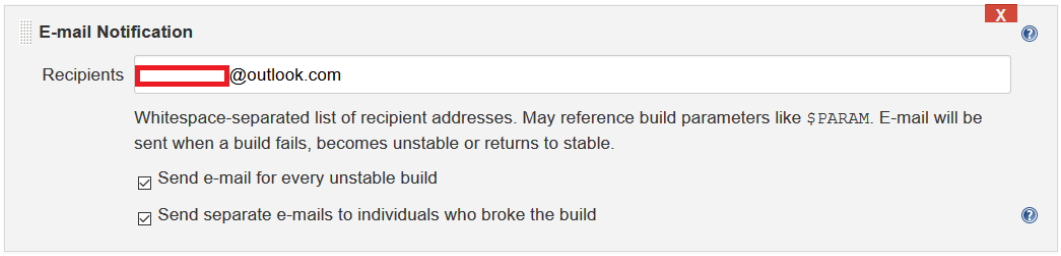
Some apps and devices use less secure sign-in technology, which makes your account more vulnerable. You can **turn off** access for these apps, which we recommend, or **turn on** access if you want to use them despite the risks. Learn more

Access for less secure apps

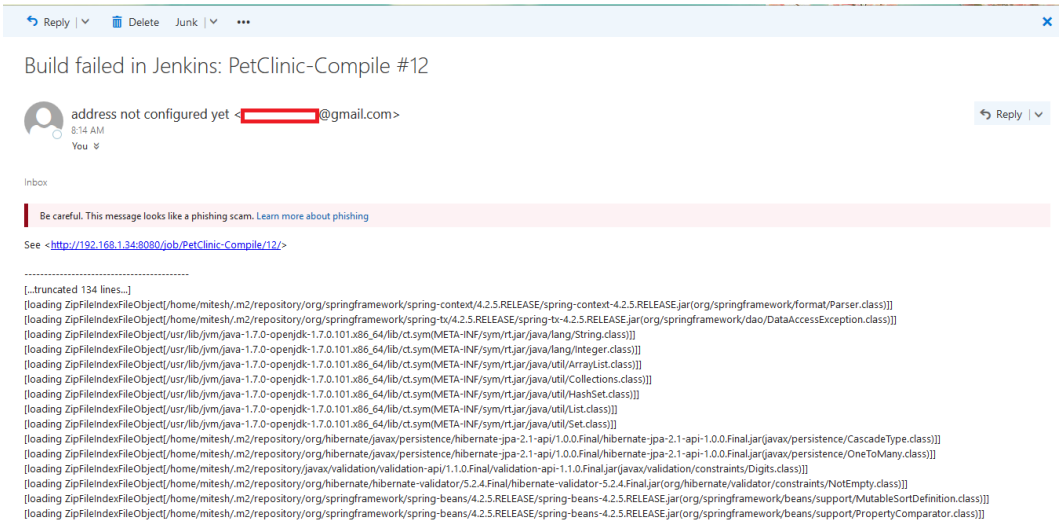
○ Turn off

◉ Turn on


E-mail Notification
SMTP server
smtp.gmail.com
Default user e-mail suffix
Use SMTP Authentication
User Name
[redacted]@gmail.com
Password
Use SSL
SMTP Port
465
Reply-To Address
noreply@gmail.com
Charset
UTF-8
Test configuration by sending test e-mail
Test e-mail recipient
[redacted]@outlook.com
Email was successfully sent
Test configuration


E-mail Notification
Recipients
[redacted]@outlook.com
Whitespace-separated list of recipient addresses. May reference build parameters like $PARAM. E-mail will be sent when a build fails, becomes unstable or returns to stable.
Send e-mail for every unstable build
Send separate e-mails to individuals who broke the build

```
[INFO] ------------------------------------------------------------------------
[INFO] BUILD SUCCESS
[INFO] ------------------------------------------------------------------------
[INFO] Total time: 21.332 s
[INFO] Finished at: 2016-04-28T19:44:26-07:00
[INFO] Final Memory: 25M/134M
[INFO] ------------------------------------------------------------------------
Recording test results
ERROR: Step 'Publish JUnit test result report' failed: No test report files were
found. Configuration error?
Sending e-mails to: [redacted]@outlook.com
Finished: FAILURE
```



Reply | Delete Junk | ...

Build failed in Jenkins: PetClinic-Compile #12

address not configured yet <[redacted]@gmail.com>
8:14 AM
You

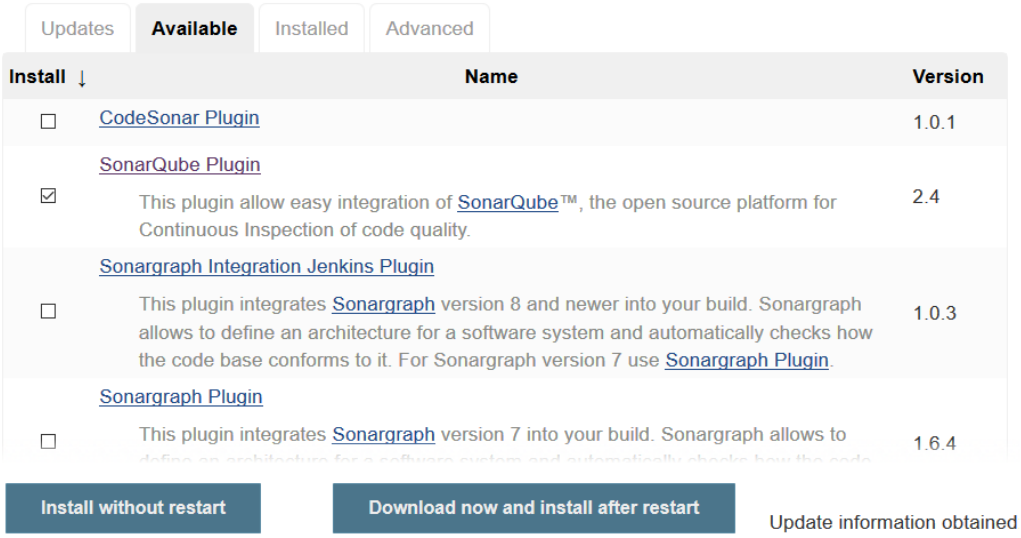
Reply

Inbox

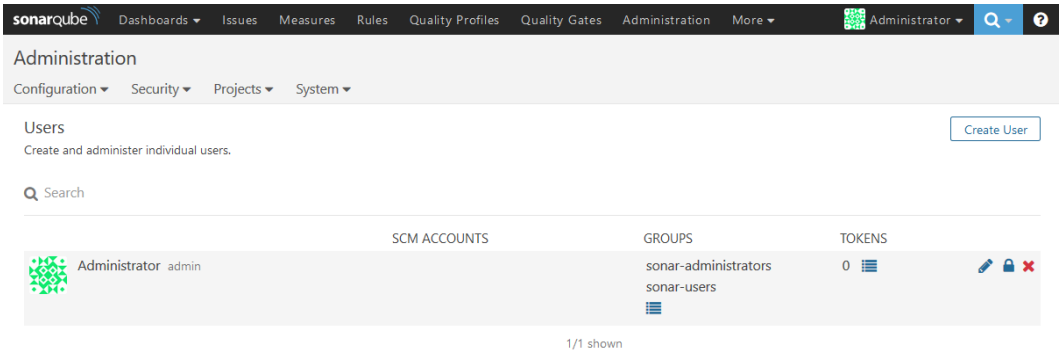
Be careful. This message looks like a phishing scam. Learn more about phishing

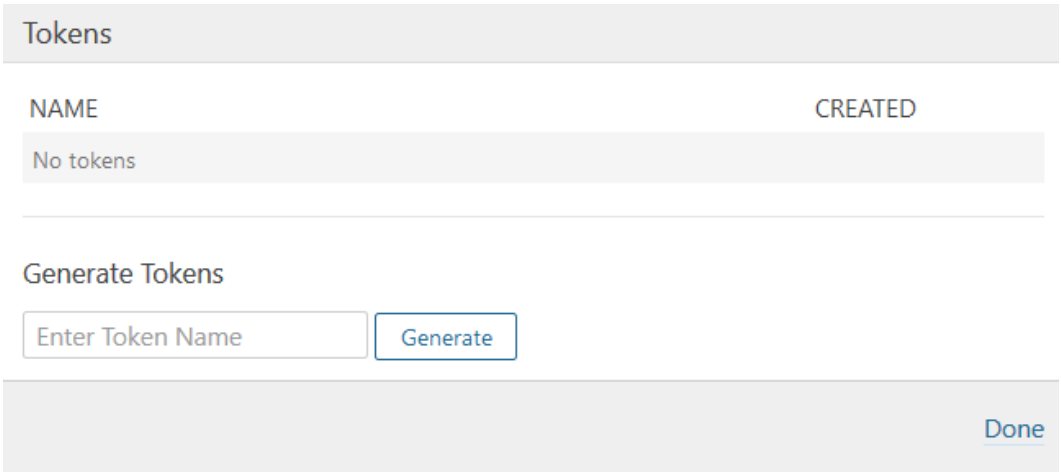
See <http://192.168.1.34:8080/job/PetClinic-Compile/12/>

[...truncated 134 lines...]
[loading ZipFileIndexFileObject[/home/mitesh/.m2/repository/org/springframework/spring-context/4.2.5.RELEASE/spring-context-4.2.5.RELEASE.jar(org/springframework/format/Parser.class)]]
[loading ZipFileIndexFileObject[/home/mitesh/.m2/repository/org/springframework/spring-tx/4.2.5.RELEASE/spring-tx-4.2.5.RELEASE.jar(org/springframework/dao/DataAccessException.class)]]
[loading ZipFileIndexFileObject[/usr/lib/jvm/java-1.7.0-openjdk-1.7.0.101.x86_64/lib/ct.sym(META-INF/sym/rt.jar/java/lang/String.class)]]
[loading ZipFileIndexFileObject[/usr/lib/jvm/java-1.7.0-openjdk-1.7.0.101.x86_64/lib/ct.sym(META-INF/sym/rt.jar/java/lang/Integer.class)]]
[loading ZipFileIndexFileObject[/usr/lib/jvm/java-1.7.0-openjdk-1.7.0.101.x86_64/lib/ct.sym(META-INF/sym/rt.jar/java/util/ArrayList.class)]]
[loading ZipFileIndexFileObject[/usr/lib/jvm/java-1.7.0-openjdk-1.7.0.101.x86_64/lib/ct.sym(META-INF/sym/rt.jar/java/util/Collections.class)]]
[loading ZipFileIndexFileObject[/usr/lib/jvm/java-1.7.0-openjdk-1.7.0.101.x86_64/lib/ct.sym(META-INF/sym/rt.jar/java/util/HashSet.class)]]
[loading ZipFileIndexFileObject[/usr/lib/jvm/java-1.7.0-openjdk-1.7.0.101.x86_64/lib/ct.sym(META-INF/sym/rt.jar/java/util/List.class)]]
[loading ZipFileIndexFileObject[/usr/lib/jvm/java-1.7.0-openjdk-1.7.0.101.x86_64/lib/ct.sym(META-INF/sym/rt.jar/java/util/Set.class)]]
[loading ZipFileIndexFileObject[/home/mitesh/.m2/repository/org/hibernate/javax/persistence/hibernate-jpa-2.1-api/1.0.0.Final/hibernate-jpa-2.1-api-1.0.0.Final.jar(javax/persistence/CascadeType.class)]]
[loading ZipFileIndexFileObject[/home/mitesh/.m2/repository/org/hibernate/javax/persistence/hibernate-jpa-2.1-api/1.0.0.Final/hibernate-jpa-2.1-api-1.0.0.Final.jar(javax/persistence/OneToMany.class)]]
[loading ZipFileIndexFileObject[/home/mitesh/.m2/repository/javax/validation/validation-api/1.1.0.Final/validation-api-1.1.0.Final.jar(javax/validation/constraints/Digits.class)]]
[loading ZipFileIndexFileObject[/home/mitesh/.m2/repository/org/hibernate/hibernate-validator/5.2.4.Final/hibernate-validator-5.2.4.Final.jar(org/hibernate/validator/constraints/NotEmpty.class)]]
[loading ZipFileIndexFileObject[/home/mitesh/.m2/repository/org/springframework/spring-beans/4.2.5.RELEASE/spring-beans-4.2.5.RELEASE.jar(org/springframework/beans/support/MutableSortDefinition.class)]]
[loading ZipFileIndexFileObject[/home/mitesh/.m2/repository/org/springframework/spring-beans/4.2.5.RELEASE/spring-beans-4.2.5.RELEASE.jar(org/springframework/beans/support/PropertyComparator.class)]]




```
D:\##DevOps Book\Installables\sonarqube-5.4\bin\windows-x86-64>StartSonar.bat
wrapper  | --> Wrapper Started as Console
wrapper  | Launching a JVM...
jvm 1    | Wrapper (Version 3.2.3) http://wrapper.tanukisoftware.org
jvm 1    |   Copyright 1999-2006 Tanuki Software, Inc.  All Rights Reserved.
jvm 1    |
jvm 1    | 2016.04.29 23:57:37 INFO  app[o.s.a.AppFileSystem] Cleaning or creating temp directory D:\##DevOps Book\Install
ables\sonarqube-5.4\temp
jvm 1    | 2016.04.29 23:57:38 INFO  app[o.s.p.m.JavaProcessLauncher] Launch process[search]: C:\Program Files\Java\jre1.8
.0_45\bin\java -Djava.awt.headless=true -Xmx1G -Xms256m -Xss256k -Djava.net.preferIPv4Stack=true -XX:+UseParNewGC -XX:+Use
ConcMarkSweepGC -XX:CMSInitiatingOccupancyFraction=75 -XX:+UseCMSInitiatingOccupancyOnly -XX:+HeapDumpOnOutOfMemoryError -
Djava.io.tmpdir=D:\##DevOps Book\Installables\sonarqube-5.4\temp -cp ./lib/common/*;./lib/search/* org.sonar.search.Search
Server C:\Users\MItesh\AppData\Local\Temp\sq-process7000722619322287622properties
jvm 1    | 2016.04.29 23:57:49 INFO  app[o.s.p.m.Monitor] Process[search] is up
jvm 1    | 2016.04.29 23:57:49 INFO  app[o.s.p.m.JavaProcessLauncher] Launch process[web]: C:\Program Files\Java\jre1.8.0_
45\bin\java -Djava.awt.headless=true -Dfile.encoding=UTF-8 -Djruby.management.enabled=false -Djruby.compile.invokedynamic=
false -Xmx768m -Xms256m -XX:MaxPermSize=160m -XX:+HeapDumpOnOutOfMemoryError -Djava.net.preferIPv4Stack=true -Djava.io.tmp
dir=D:\##DevOps Book\Installables\sonarqube-5.4\temp -cp ./lib/common/*;./lib/server/*;D:\##DevOps Book\Installables\sonar
qube-5.4\lib\jdbc\h2\h2-1.3.176.jar org.sonar.server.app.WebServer C:\Users\MItesh\AppData\Local\Temp\sq-process3019138822
364693273properties
jvm 1    | 2016.04.29 23:59:07 INFO  app[o.s.p.m.Monitor] Process[web] is up
```


sonarqube
Dashboards
Issues
Measures
Rules
Quality Profiles
Quality Gates
Administration
More
Administrator
Administration
Configuration
Security
Projects
System
Users
Create and administer individual users.
Create User
Search
SCM ACCOUNTS
GROUPS
TOKENS
Administrator admin
sonar-administrators
sonar-users
0
1/1 shown


Tokens
NAME
CREATED
No tokens
Generate Tokens
Enter Token Name
Generate
Done

Tokens

NAME	CREATED	
ms9883	April 30, 2016	Revoke

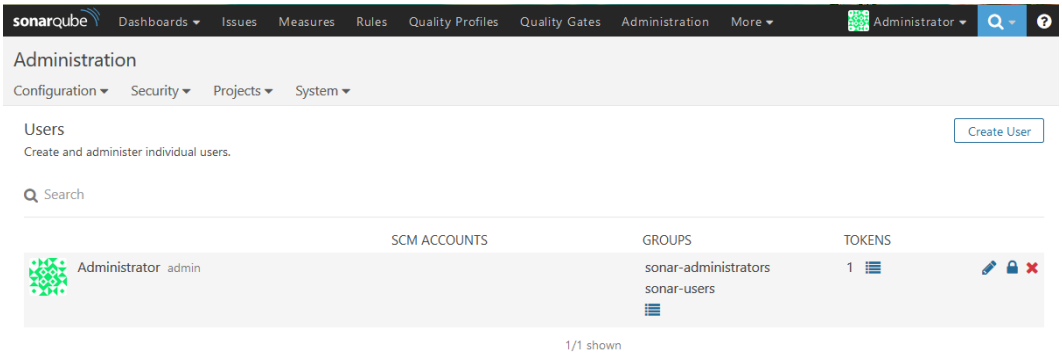
Generate Tokens

Enter Token Name | Generate

New token "ms9883" has been created. Make sure you copy it now, you won't be able to see it again!

Copy `213862ef16b6b71d6a6aeefa5945b9f2d4575fe5`

Done



SonarQube servers

Environment variables

☐ Enable injection of SonarQube server configuration as build environment variables

If checked, job administrators will be able to inject a SonarQube server configuration as environment variables in the build.

SonarQube installations

Name: Sonar5.4

Server URL: http://localhost:9000

Default is http://localhost:9000

Server version: 5.3 or higher

Configuration fields depend on the SonarQube server version.

Server authentication token: ••••••••••••••••••••••••••••••••

SonarQube authentication token. Mandatory when anonymous access is disabled.

SonarQube Scanner

SonarQube Scanner installations

SonarQube Scanner

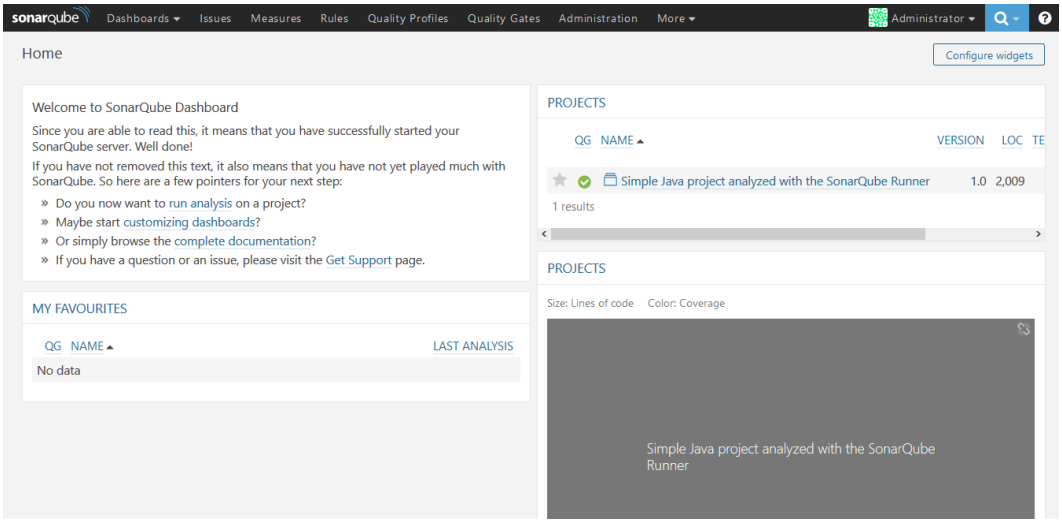
Name: SonarQube Scanner

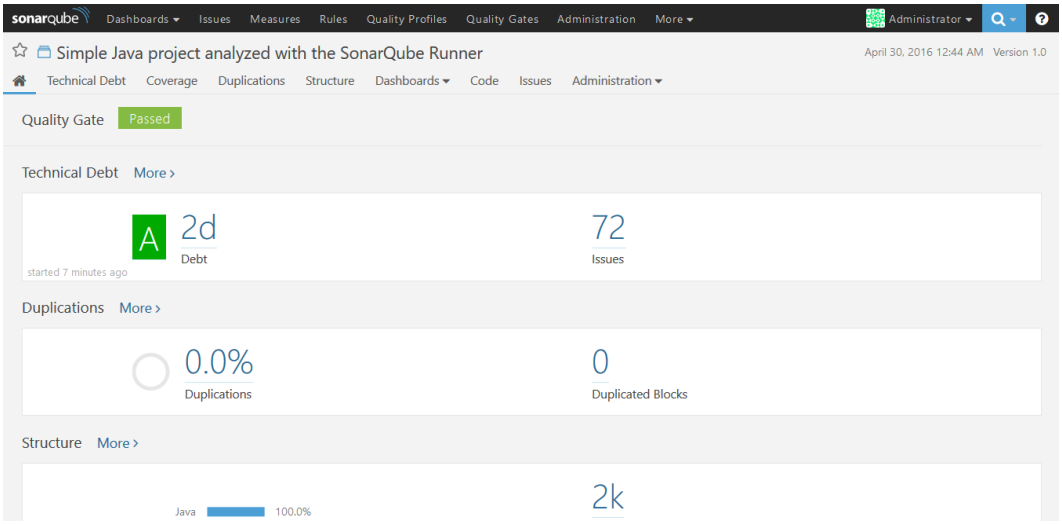
☑ Install automatically

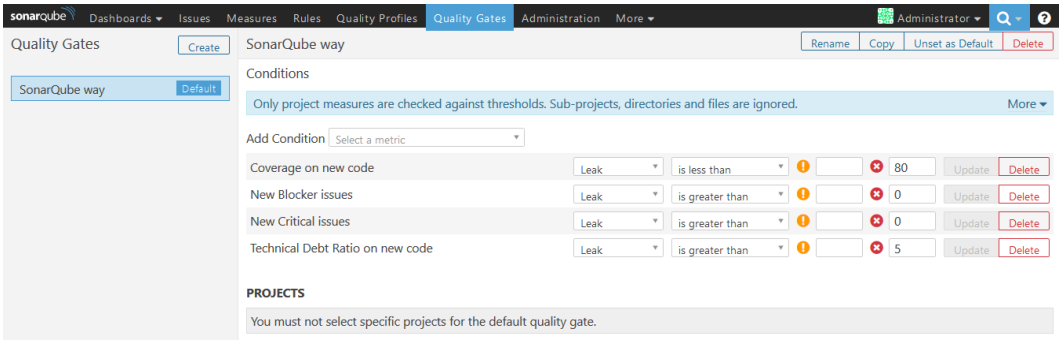
Install from Maven Central

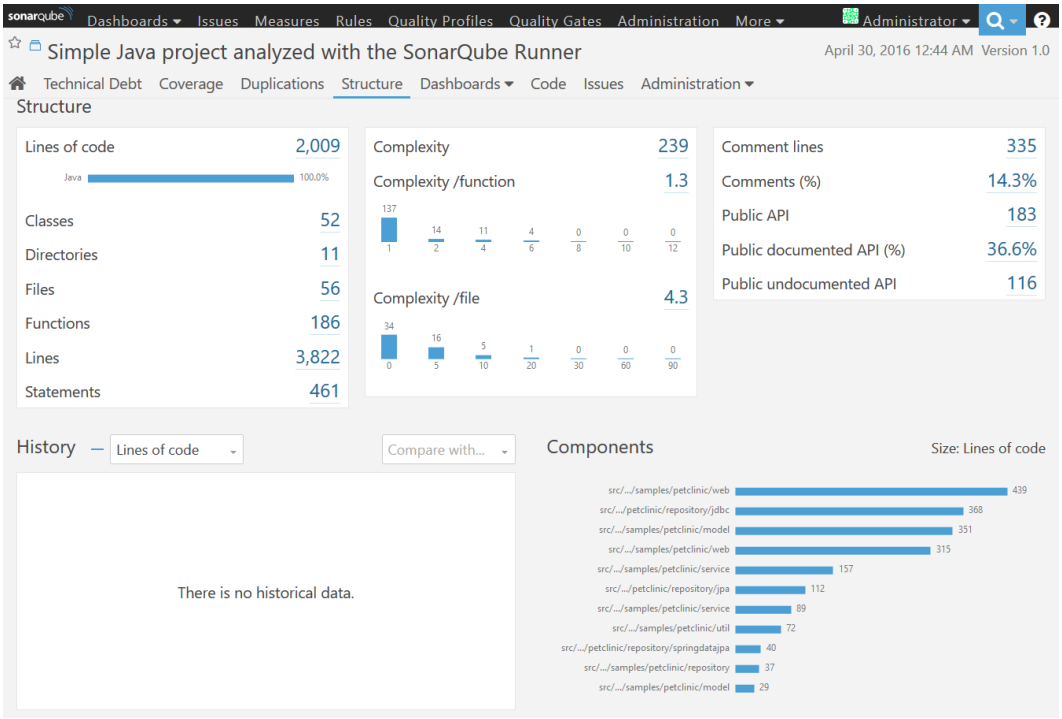
Version: SonarQube Scanner 2.5.1

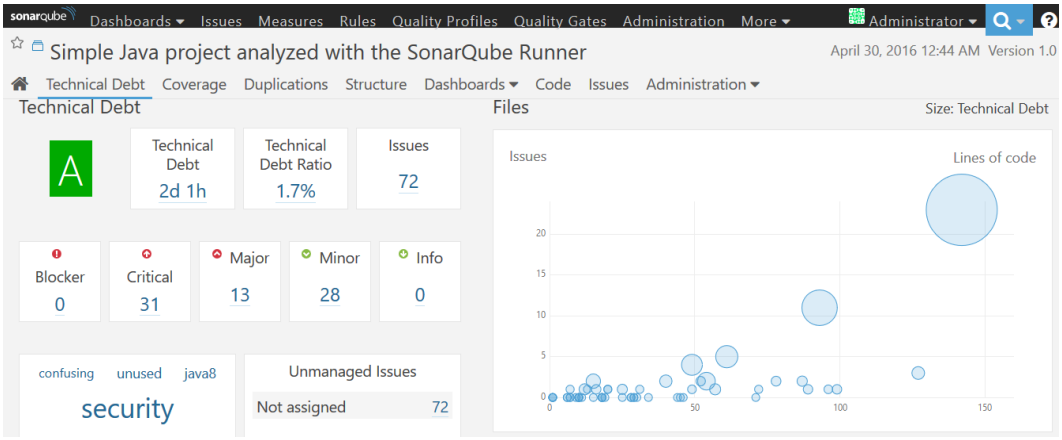
Delete Installer


sonarqube
Dashboards
Issues
Measures
Rules
Quality Profiles
Quality Gates
Administration
More
Administrator
Home
Configure widgets
Welcome to SonarQube Dashboard
Since you are able to read this, it means that you have successfully started your SonarQube server. Well done!
If you have not removed this text, it also means that you have not yet played much with SonarQube. So here are a few pointers for your next step:
» Do you now want to run analysis on a project?
» Maybe start customizing dashboards?
» Or simply browse the complete documentation?
» If you have a question or an issue, please visit the Get Support page.
PROJECTS
QG NAME
VERSION
LOC
TE
Simple Java project analyzed with the SonarQube Runner
1.0
2,009
1 results
MY FAVOURITES
QG NAME
LAST ANALYSIS
No data
PROJECTS
Size: Lines of code
Color: Coverage
Simple Java project analyzed with the SonarQube Runner

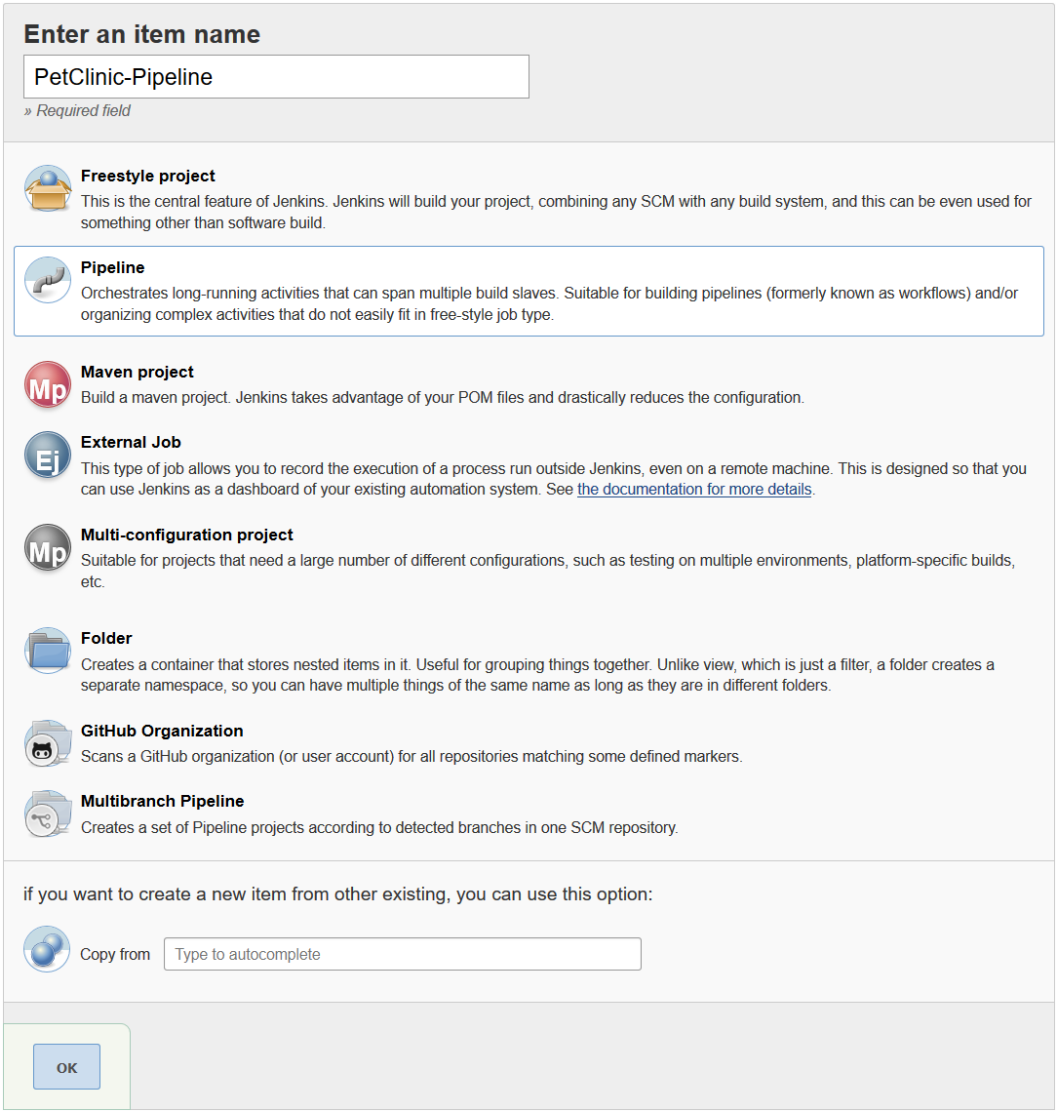

sonarqube
Dashboards
Issues
Measures
Rules
Quality Profiles
Quality Gates
Administration
More
Administrator
Simple Java project analyzed with the SonarQube Runner
April 30, 2016 12:44 AM
Version 1.0
Technical Debt
Coverage
Duplications
Structure
Dashboards
Code
Issues
Administration
Quality Gate
Passed
Technical Debt
More ›
A
2d
Debt
started 7 minutes ago
72
Issues
Duplications
More ›
0.0%
Duplications
0
Duplicated Blocks
Structure
More ›
Java
100.0%
2k

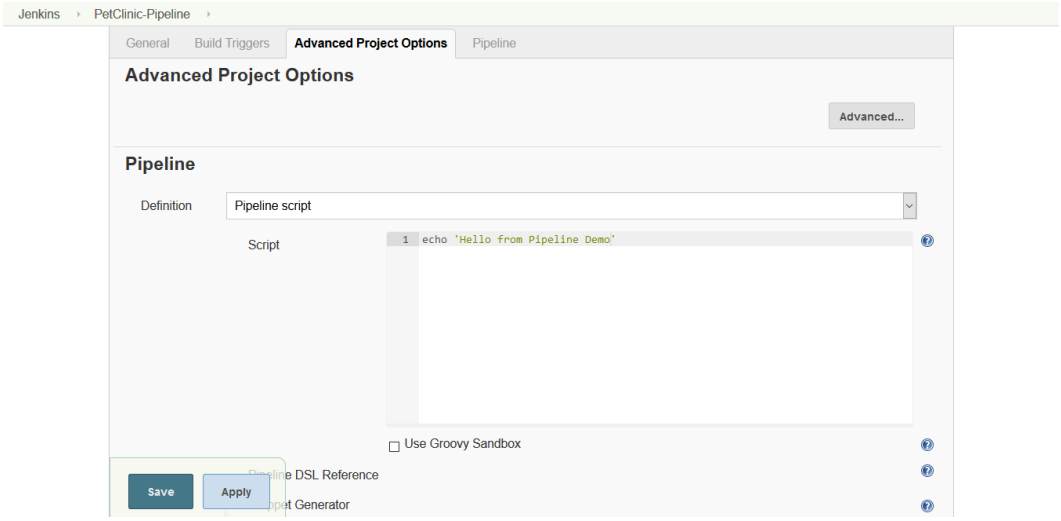

sonarqube
Dashboards
Issues
Measures
Rules
Quality Profiles
Quality Gates
Administration
More
Administrator
Quality Gates
Create
SonarQube way
Default
SonarQube way
Rename
Copy
Unset as Default
Delete
Conditions
Only project measures are checked against thresholds. Sub-projects, directories and files are ignored.
More
Add Condition
Select a metric
Coverage on new code
Leak
is less than
80
New Blocker issues
is greater than
0
New Critical issues
is greater than
0
Technical Debt Ratio on new code
is greater than
5
Update
Delete
PROJECTS
You must not select specific projects for the default quality gate.


sonarqube
Dashboards
Issues
Measures
Rules
Quality Profiles
Quality Gates
Administration
More
Administrator
Simple Java project analyzed with the SonarQube Runner
April 30, 2016 12:44 AM Version 1.0
Technical Debt
Coverage
Duplications
Structure
Dashboards
Code
Issues
Administration
Structure
Lines of code 2,009
Java 100.0%
Classes 52
Directories 11
Files 56
Functions 186
Lines 3,822
Statements 461
Complexity 239
Complexity /function 1.3
137 14 11 4 0 0 0
1 2 4 6 8 10 12
Complexity /file 4.3
34 16 5 1 0 0 0
0 5 10 20 30 60 90
Comment lines 335
Comments (%) 14.3%
Public API 183
Public documented API (%) 36.6%
Public undocumented API 116
History
Lines of code
Compare with...
There is no historical data.
Components
Size: Lines of code
src/.../samples/petclinic/web 439
src/.../petclinic/repository/jdbc 368
src/.../samples/petclinic/model 351
src/.../samples/petclinic/web 315
src/.../samples/petclinic/service 157
src/.../petclinic/repository/jpa 112
src/.../samples/petclinic/service 89
src/.../samples/petclinic/util 72
src/.../petclinic/repository/springdatajpa 40
src/.../samples/petclinic/repository 37
src/.../samples/petclinic/model 29


sonarqube
Dashboards
Issues
Measures
Rules
Quality Profiles
Quality Gates
Administration
More
Administrator
Simple Java project analyzed with the SonarQube Runner
April 30, 2016 12:44 AM Version 1.0
Technical Debt
Coverage
Duplications
Structure
Dashboards
Code
Issues
Administration
Technical Debt
A
Technical Debt
2d 1h
Technical Debt Ratio
1.7%
Issues
72
Blocker
0
Critical
31
Major
13
Minor
28
Info
0
confusing
unused
java8
security
Unmanaged Issues
Not assigned
72
Files
Size: Technical Debt
Issues
Lines of code
20
15
10
5
0
0
50
100
150

Chapter 3: Building the Code and Configuring the Build Pipeline





Pipeline PetClinic-Pipeline

add description

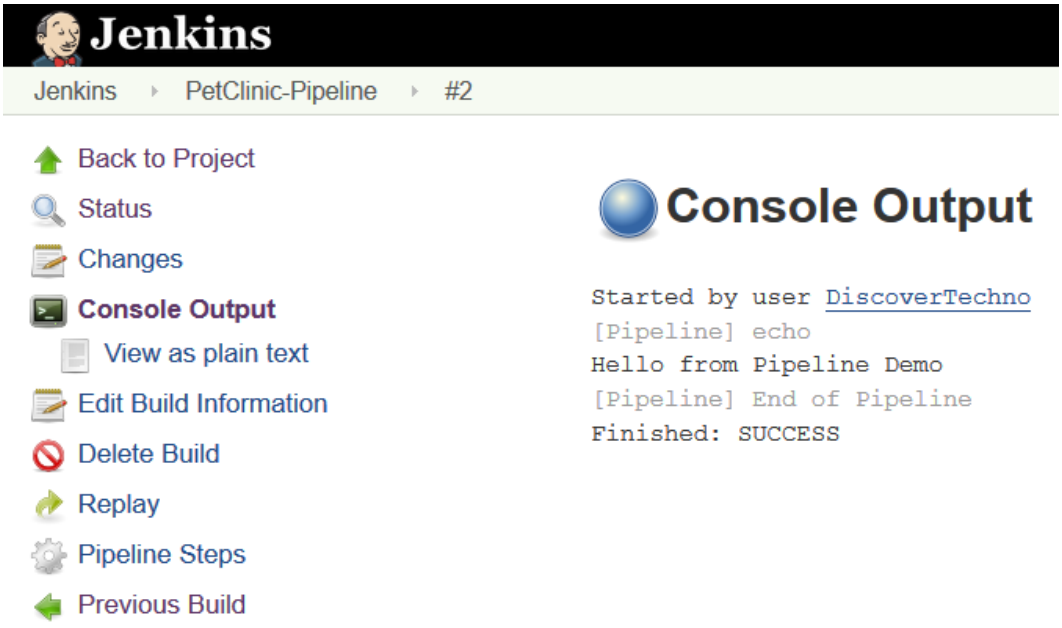
Recent Changes

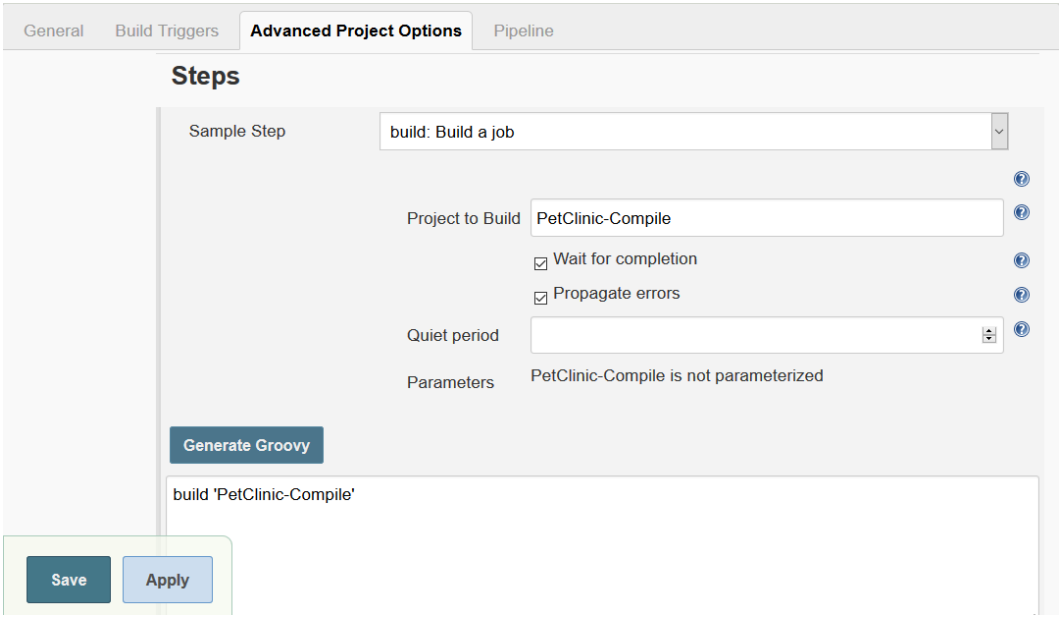
Stage View

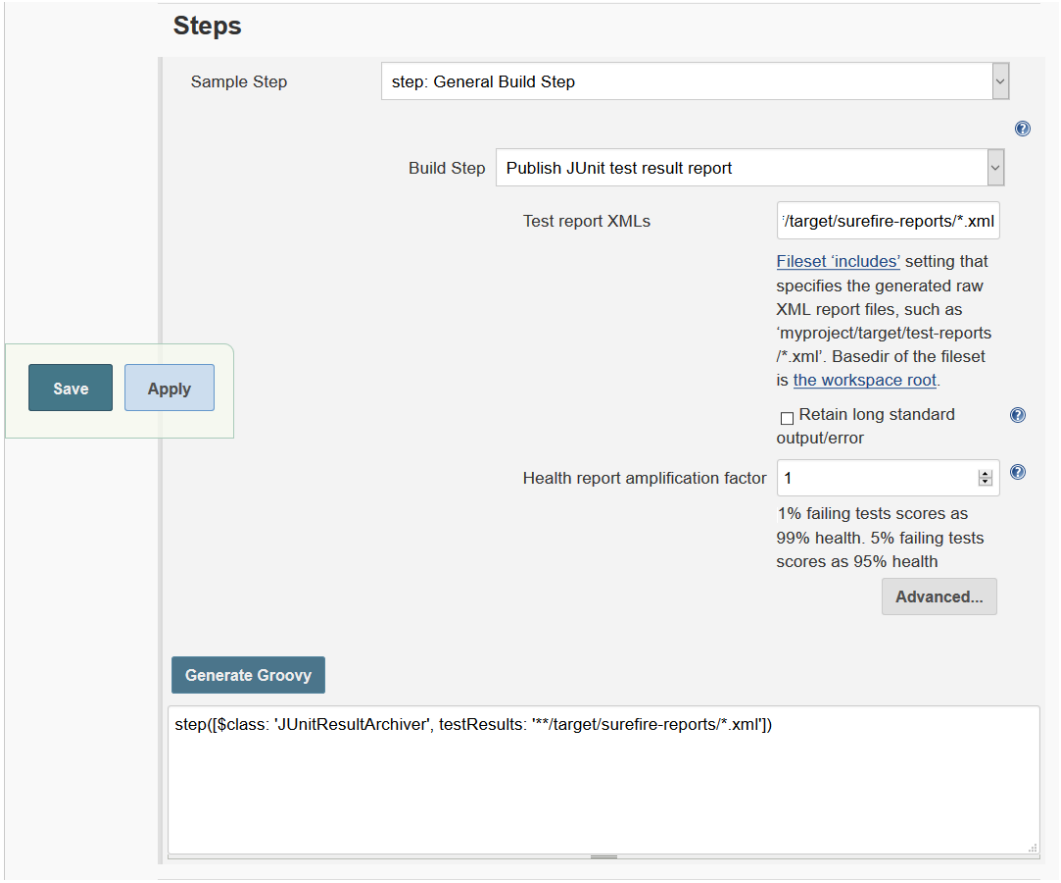
This Pipeline has run successfully, but does not define any stages. Please use the `stage` step to define some stages in this Pipeline.

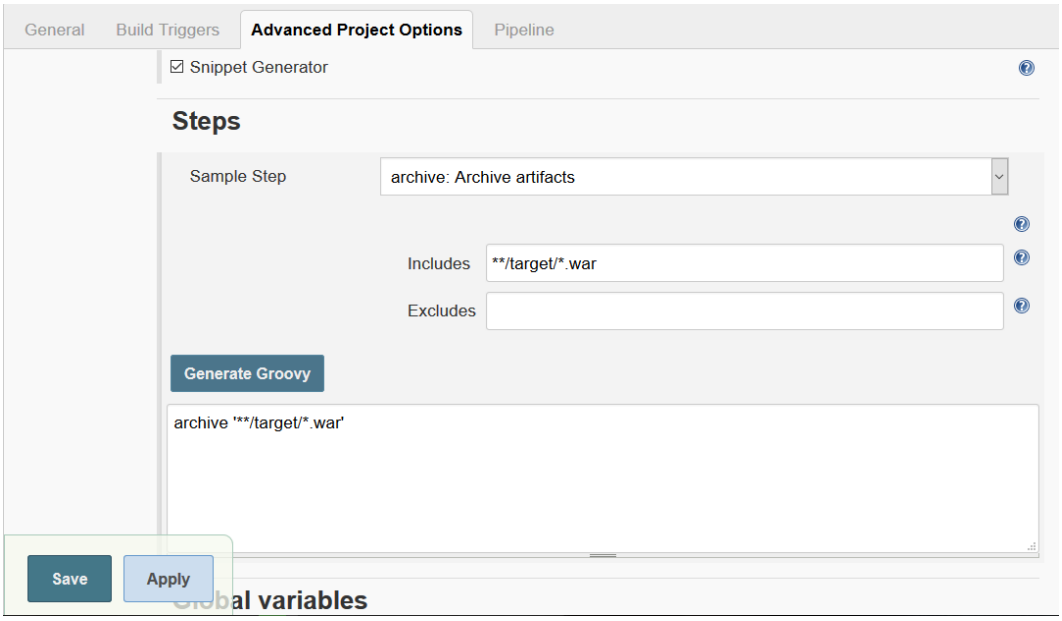
Permalinks

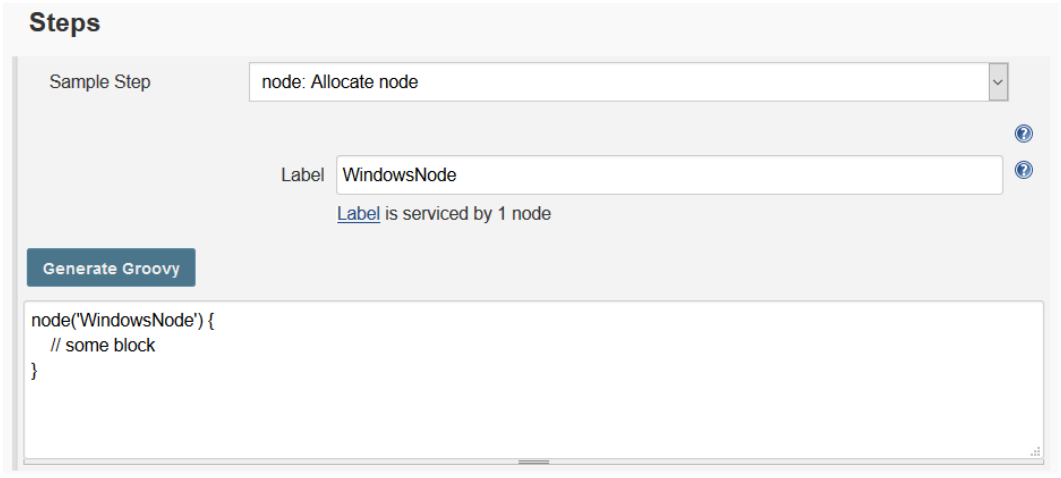
- Last build (#1), 2 min 17 sec ago
- Last stable build (#1), 2 min 17 sec ago
- Last successful build (#1), 2 min 17 sec ago
- Last completed build (#1), 2 min 17 sec ago

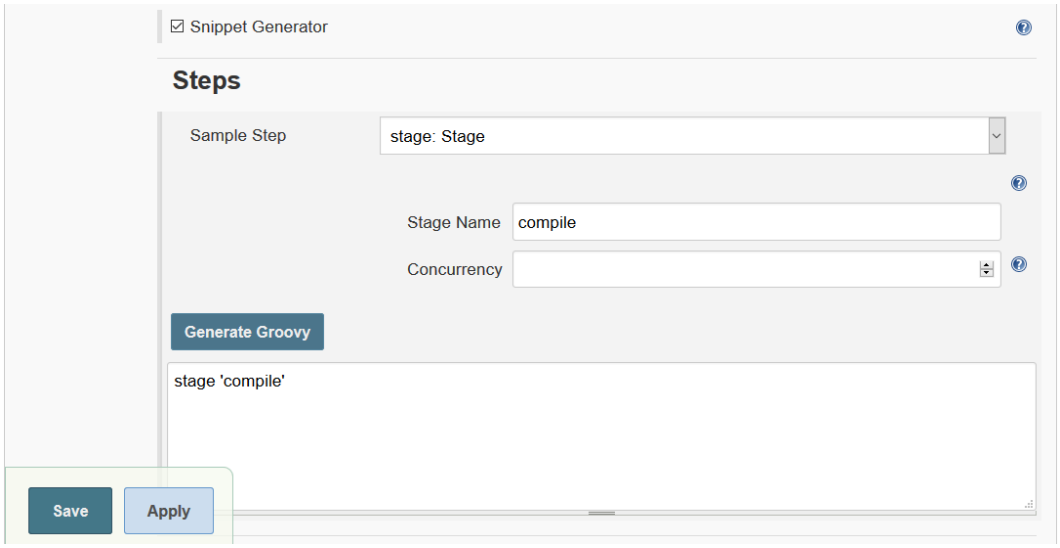

Jenkins
Jenkins ▸ PetClinic-Pipeline ▸ #2
Back to Project
Status
Changes
Console Output
View as plain text
Edit Build Information
Delete Build
Replay
Pipeline Steps
Previous Build
Console Output
Started by user DiscoverTechno
[Pipeline] echo
Hello from Pipeline Demo
[Pipeline] End of Pipeline
Finished: SUCCESS

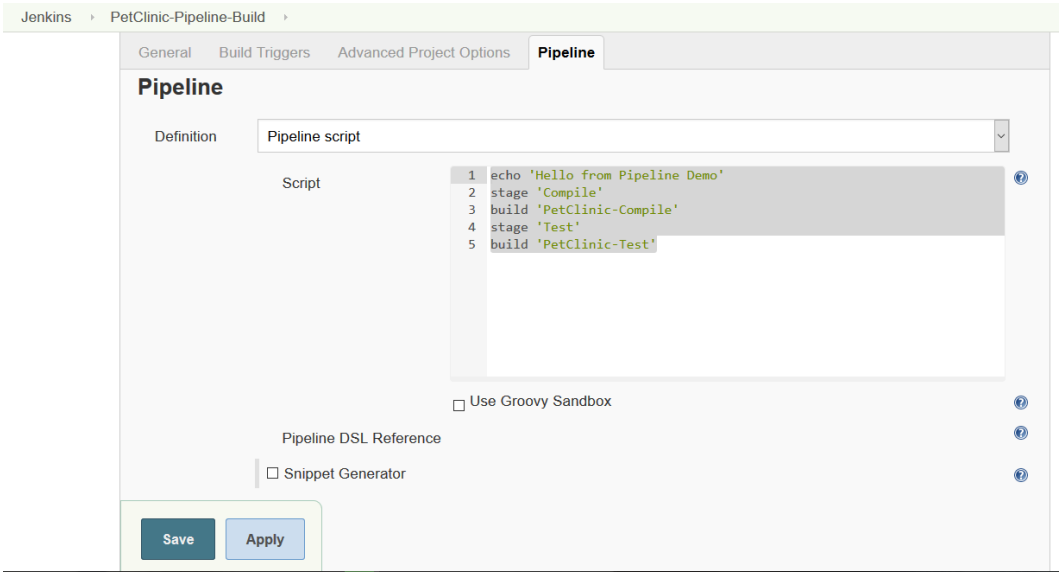

General
Build Triggers
Advanced Project Options
Pipeline
Steps
Sample Step
build: Build a job
Project to Build
PetClinic-Compile
Wait for completion
Propagate errors
Quiet period
Parameters
PetClinic-Compile is not parameterized
Generate Groovy
build 'PetClinic-Compile'
Save
Apply

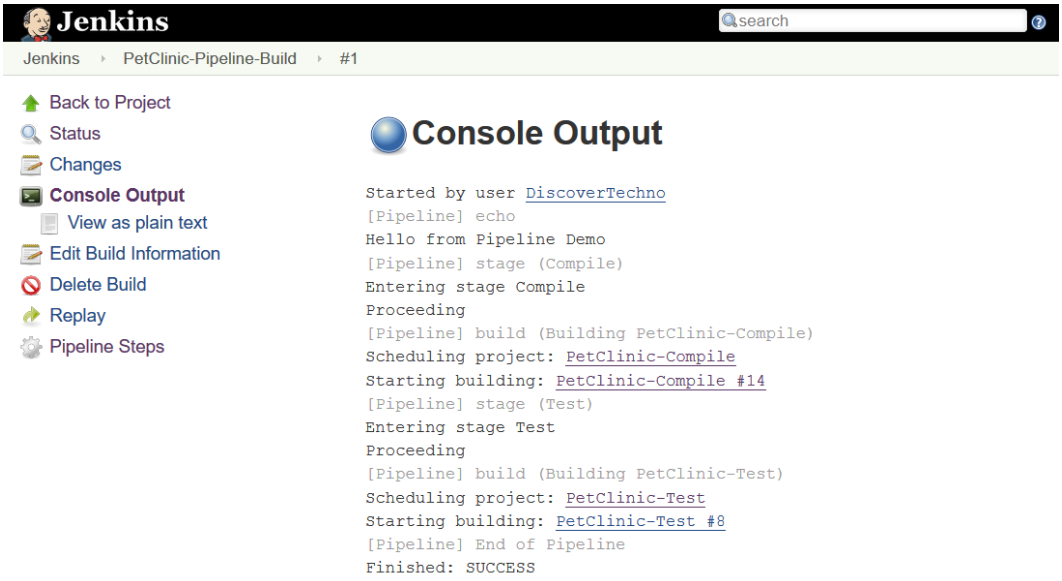

Steps
Sample Step
step: General Build Step
Build Step
Publish JUnit test result report
Test report XMLs
'/target/surefire-reports/*.xml
Fileset 'includes' setting that specifies the generated raw XML report files, such as 'myproject/target/test-reports /*.xml'. Basedir of the fileset is the workspace 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
Advanced...
Save
Apply
Generate Groovy
step([$class: 'JUnitResultArchiver', testResults: '**/target/surefire-reports/*.xml'])

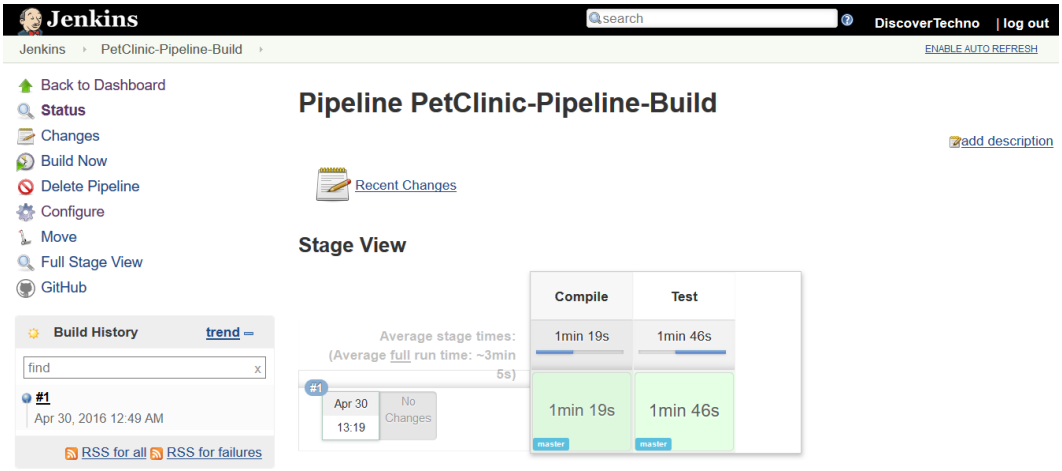

General
Build Triggers
Advanced Project Options
Pipeline
Snippet Generator
Steps
Sample Step
archive: Archive artifacts
Includes
**/target/*.war
Excludes
Generate Groovy
archive '**/target/*.war'
Save
Apply
al variables


Steps
Sample Step
node: Allocate node
Label
WindowsNode
Label is serviced by 1 node
Generate Groovy
node('WindowsNode') {
// some block
}

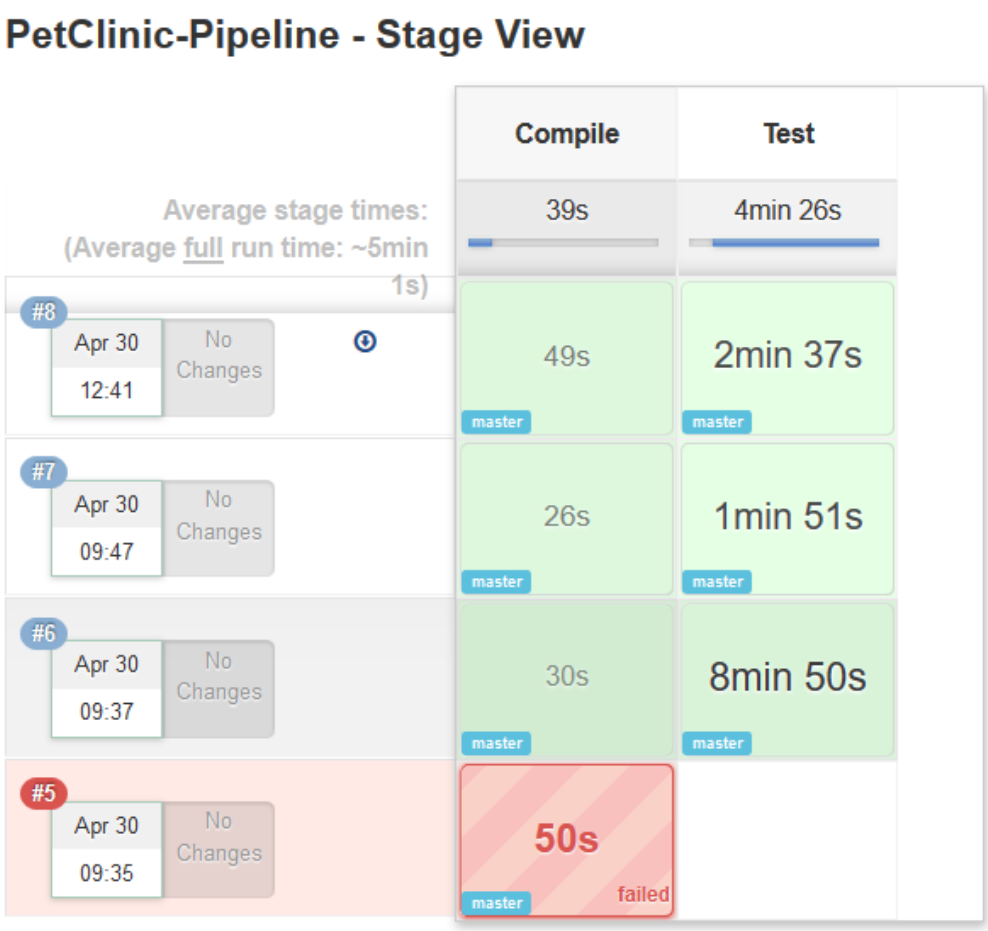

Snippet Generator
Steps
Sample Step
stage: Stage
Stage Name
compile
Concurrency
Generate Groovy
stage 'compile'
Save
Apply


Jenkins
PetClinic-Pipeline-Build
General
Build Triggers
Advanced Project Options
Pipeline
Pipeline
Definition
Pipeline script
Script
1 echo 'Hello from Pipeline Demo'
2 stage 'Compile'
3 build 'PetClinic-Compile'
4 stage 'Test'
5 build 'PetClinic-Test'
Use Groovy Sandbox
Pipeline DSL Reference
Snippet Generator
Save
Apply

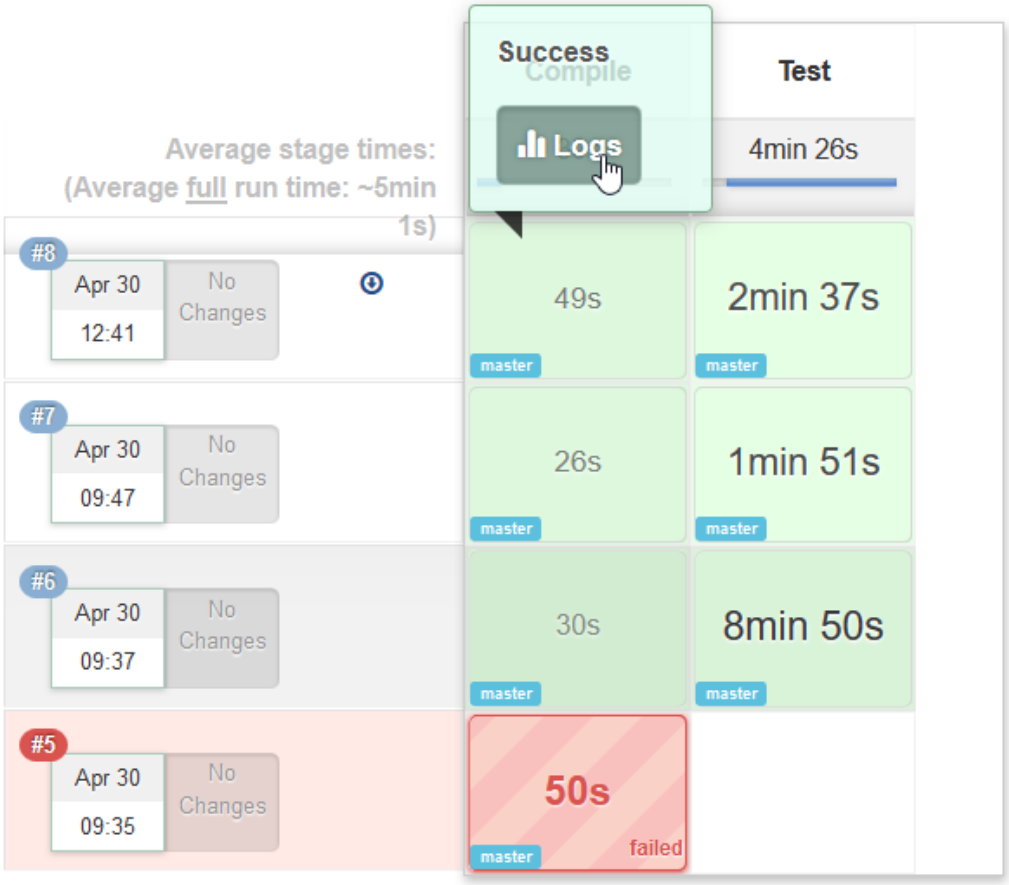

Jenkins
search
Jenkins › PetClinic-Pipeline-Build › #1
Back to Project
Status
Changes
Console Output
View as plain text
Edit Build Information
Delete Build
Replay
Pipeline Steps
Console Output
Started by user DiscoverTechno
[Pipeline] echo
Hello from Pipeline Demo
[Pipeline] stage (Compile)
Entering stage Compile
Proceeding
[Pipeline] build (Building PetClinic-Compile)
Scheduling project: PetClinic-Compile
Starting building: PetClinic-Compile #14
[Pipeline] stage (Test)
Entering stage Test
Proceeding
[Pipeline] build (Building PetClinic-Test)
Scheduling project: PetClinic-Test
Starting building: PetClinic-Test #8
[Pipeline] End of Pipeline
Finished: SUCCESS

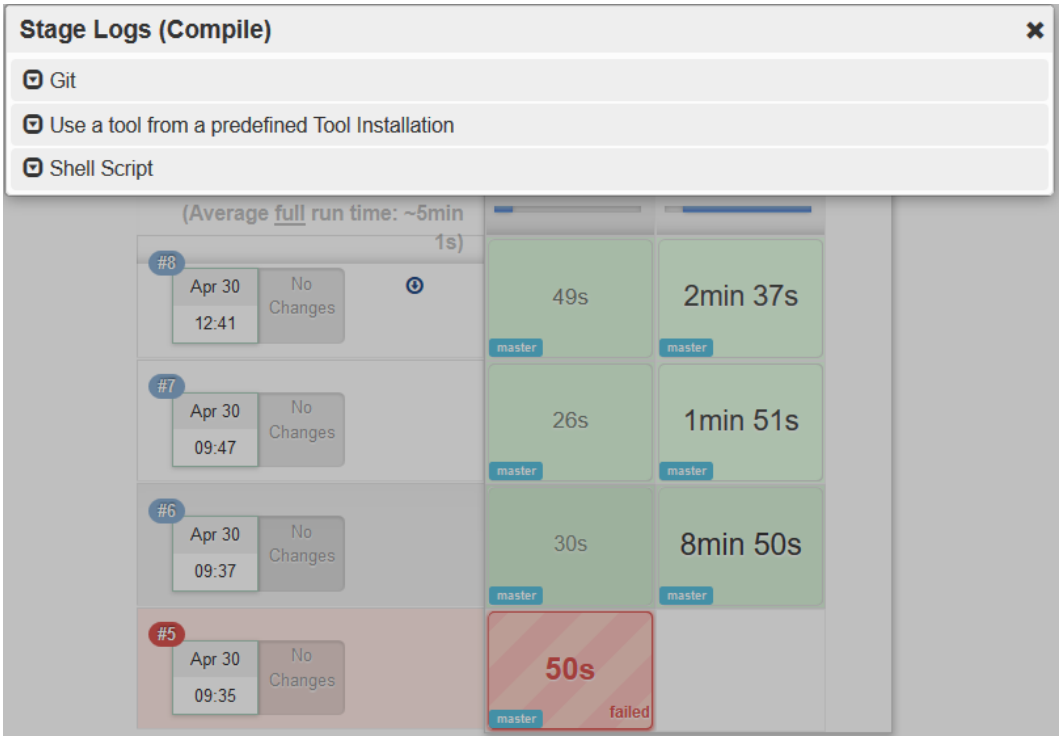

Jenkins
search
DiscoverTechno | log out
Jenkins › PetClinic-Pipeline-Build ›
ENABLE AUTO REFRESH
Back to Dashboard
Status
Changes
Build Now
Delete Pipeline
Configure
Move
Full Stage View
GitHub
Build History
trend
find
#1
Apr 30, 2016 12:49 AM
RSS for all
RSS for failures
Pipeline PetClinic-Pipeline-Build
add description
Recent Changes
Stage View
Compile
Test
Average stage times:
(Average full run time: ~3min 5s)
1min 19s
1min 46s
#1
Apr 30
13:19
No Changes
1min 19s
1min 46s
master
master

Jenkins
search
DiscoverTechno | log out
Jenkins › PetClinic-Pipeline-Build › #1 › Pipeline Steps
ENABLE AUTO REFRESH
Back to Project
Status
Changes
Console Output
Edit Build Information
Delete Build
Replay
Pipeline Steps
Step
Status
Start of Pipeline
Print Message
Compile
Building PetClinic-Compile
Test
Building PetClinic-Test


PetClinic-Pipeline - Stage View
Compile
Test
Average stage times:
(Average full run time: ~5min 1s)
39s
4min 26s
#8
Apr 30
12:41
No Changes
49s
master
2min 37s
master
#7
Apr 30
09:47
No Changes
26s
master
1min 51s
master
#6
Apr 30
09:37
No Changes
30s
master
8min 50s
master
#5
Apr 30
09:35
No Changes
50s
failed
master

PetClinic-Pipeline - Stage View




Stage Logs (Compile)
Git
Use a tool from a predefined Tool Installation
Shell Script
(Average full run time: ~5min 1s)
#8
Apr 30
12:41
No Changes
49s
master
2min 37s
master
#7
Apr 30
09:47
No Changes
26s
master
1min 51s
master
#6
Apr 30
09:37
No Changes
30s
master
8min 50s
master
#5
Apr 30
09:35
No Changes
50s
master
failed

Jenkins search DiscoverTechno | log out

Jenkins › PetClinic-Pipeline › ENABLE AUTO REFRESH

- Back to Dashboard
- Status
- Changes
- Build Now
- Delete Pipeline
- Configure
- Move
- Full Stage View
- GitHub

Build History trend

find x

- #8 Apr 30, 2016 12:11 AM
- #7 Apr 29, 2016
- #6 Apr 29, 2016
- #5 Apr 29, 2016
- #4 Apr 29, 2016
- #3 Apr 29, 2016
- #2 Apr 29, 2016 7:52 PM
- #1 Apr 29, 2016 7:50 PM

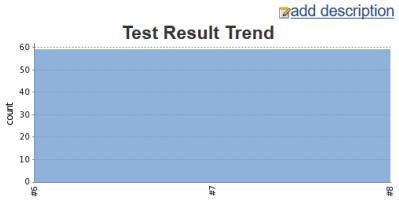
RSS for all RSS for failures

Pipeline PetClinic-Pipeline

add description

Last Successful Artifacts
petclinic.war 39.99 MB view

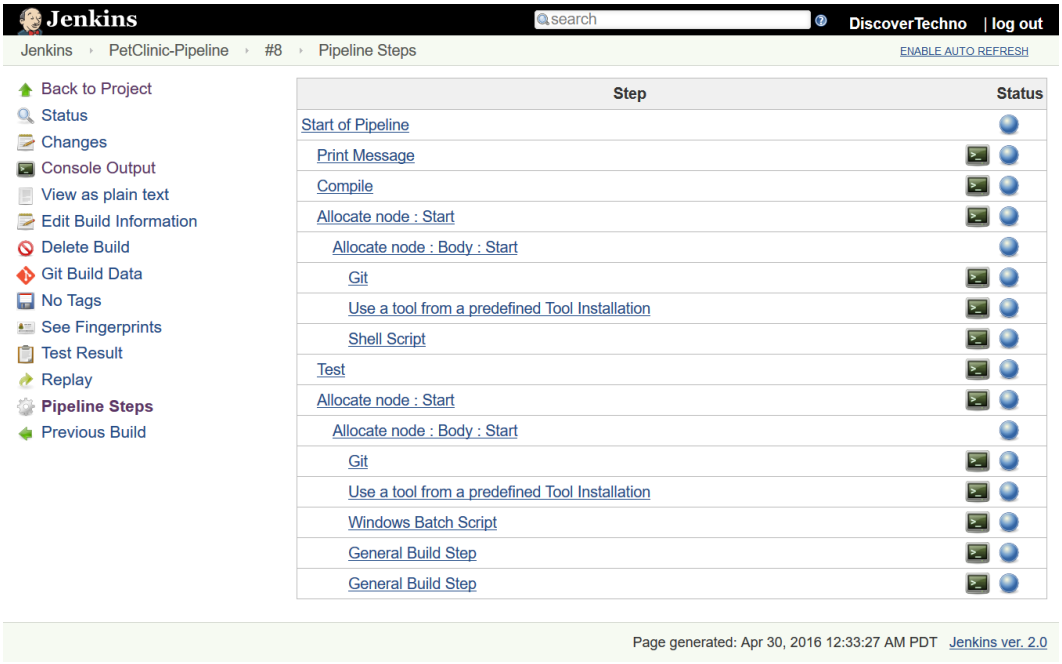
Recent Changes



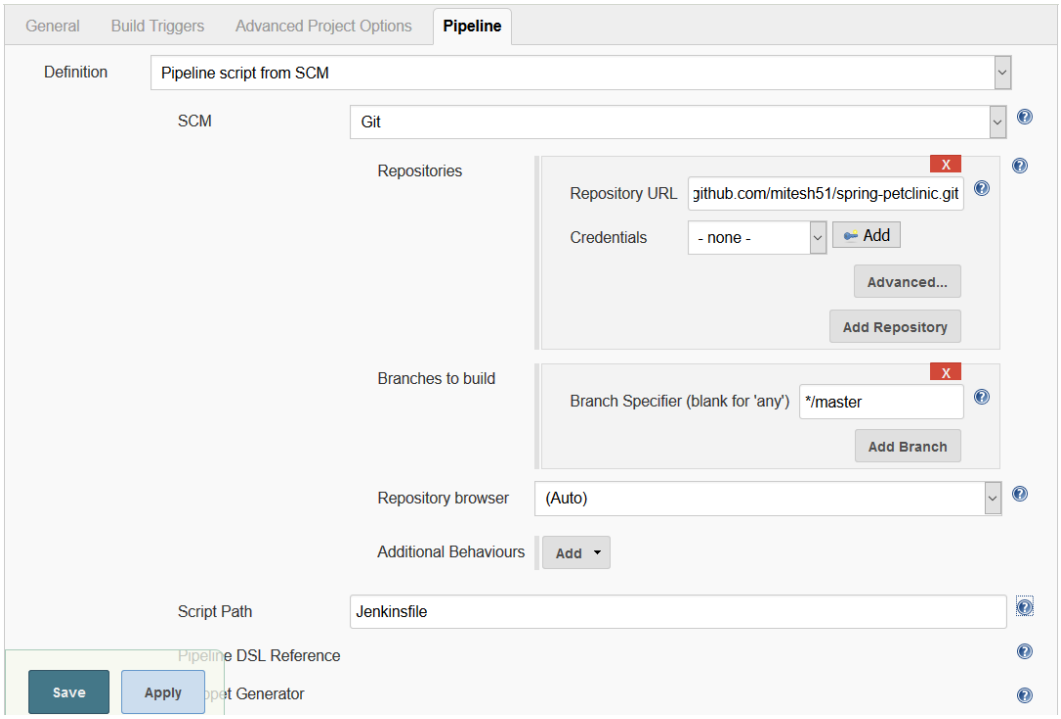
(just show failures) enlarge

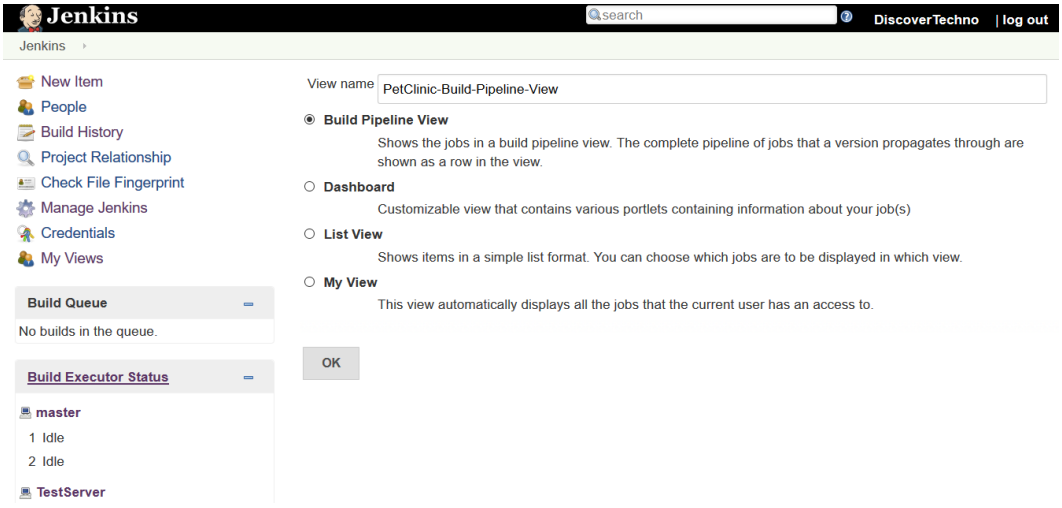
Stage View

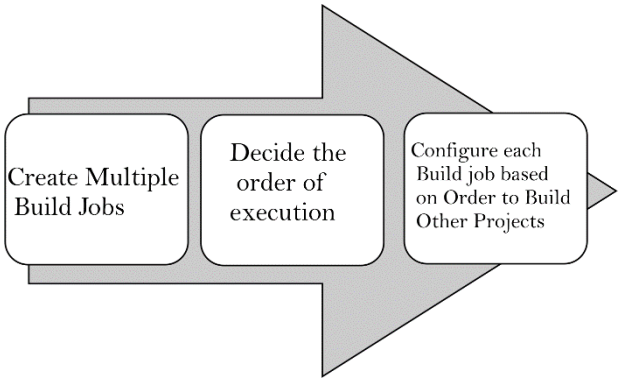
	Compile	Test
Average stage times: (Average full run time: ~5min 1s)	39s	4min 26s
#8 Apr 30 12:41 No Changes	49s master	2min 37s master
#7 Apr 30 09:47 No Changes	26s master	1min 51s master
#6 Apr 30 09:37 No Changes	30s master	8min 50s master
#5 Apr 30 09:35 No Changes	50s master failed	

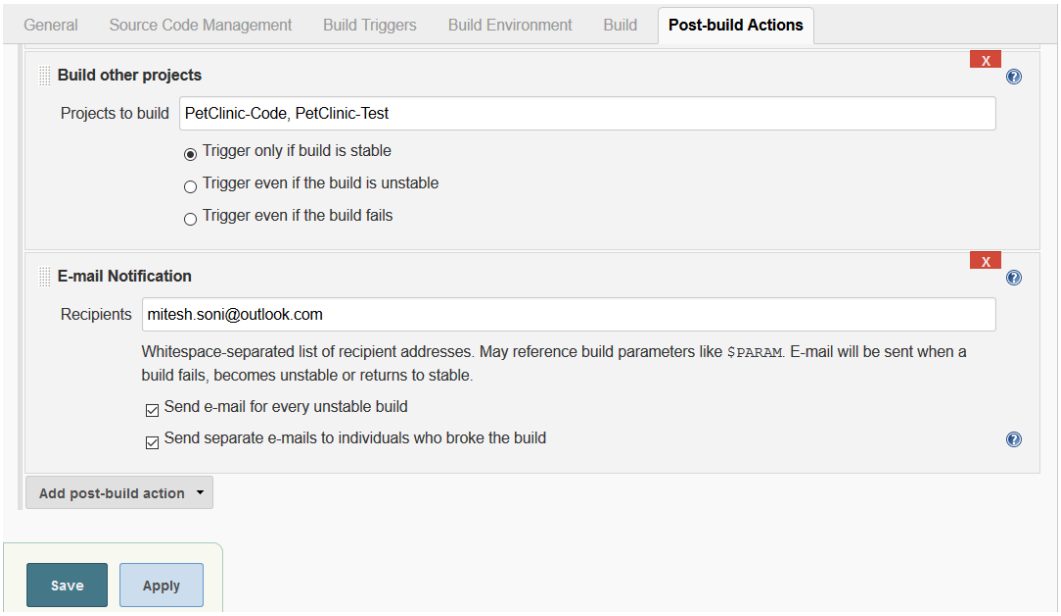

Jenkins
search
DiscoverTechno | log out
Jenkins › PetClinic-Pipeline › #8 › Pipeline Steps
ENABLE AUTO REFRESH
Back to Project
Status
Changes
Console Output
View as plain text
Edit Build Information
Delete Build
Git Build Data
No Tags
See Fingerprints
Test Result
Replay
Pipeline Steps
Previous Build
Step
Status
Start of Pipeline
Print Message
Compile
Allocate node : Start
Allocate node : Body : Start
Git
Use a tool from a predefined Tool Installation
Shell Script
Test
Allocate node : Start
Allocate node : Body : Start
Git
Use a tool from a predefined Tool Installation
Windows Batch Script
General Build Step
General Build Step
Page generated: Apr 30, 2016 12:33:27 AM PDT
Jenkins ver. 2.0

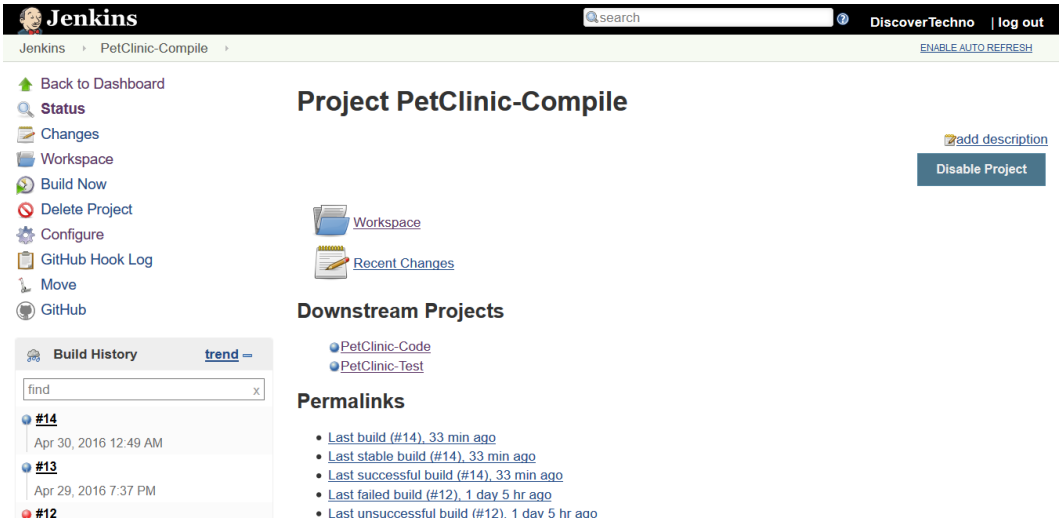
Stage Logs (Compile)
Git
> git rev-parse --is-inside-work-tree # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/mitesh51/spring-petclinic.git # timeout=10
Fetching upstream changes from https://github.com/mitesh51/spring-petclinic.git
> git --version # timeout=10
> git fetch --tags --progress https://github.com/mitesh51/spring-petclinic.git +refs/heads/*:refs/remotes/origin/*
> git rev-parse refs/remotes/origin/master^{commit} # timeout=10
> git rev-parse refs/remotes/origin/origin/master^{commit} # timeout=10
Checking out Revision 44b591f537aae6ebbef0598beab886d38ba8214c (refs/remotes/origin/master)
> git config core.sparsecheckout # timeout=10
> git checkout -f 44b591f537aae6ebbef0598beab886d38ba8214c # timeout=10
> git branch -a -v --no-abbrev # timeout=10
> git branch -D master # timeout=10
Use a tool from a predefined Tool Installation
Shell Script


General
Build Triggers
Advanced Project Options
Pipeline
Definition
Pipeline script from SCM
SCM
Git
Repositories
Repository URL
github.com/mitesh51/spring-petclinic.git
Credentials
- none -
Add
Advanced...
Add Repository
Branches to build
Branch Specifier (blank for 'any')
*/master
Add Branch
Repository browser
(Auto)
Additional Behaviours
Add
Script Path
Jenkinsfile
Pipeline DSL Reference
Save
Apply


Jenkins
search
DiscoverTechno
log out
Jenkins
New Item
People
Build History
Project Relationship
Check File Fingerprint
Manage Jenkins
Credentials
My Views
Build Queue
No builds in the queue.
Build Executor Status
master
1 Idle
2 Idle
TestServer
View name
PetClinic-Build-Pipeline-View
Build Pipeline View
Shows the jobs in a build pipeline view. The complete pipeline of jobs that a version propagates through are shown as a row in the view.
Dashboard
Customizable view that contains various portlets containing information about your job(s)
List View
Shows items in a simple list format. You can choose which jobs are to be displayed in which view.
My View
This view automatically displays all the jobs that the current user has an access to.
OK


Create Multiple Build Jobs
Decide the order of execution
Configure each Build job based on Order to Build Other Projects


General
Source Code Management
Build Triggers
Build Environment
Build
Post-build Actions
Build other projects
Projects to build
PetClinic-Code, PetClinic-Test
Trigger only if build is stable
Trigger even if the build is unstable
Trigger even if the build fails
E-mail Notification
Recipients
mitesh.soni@outlook.com
Whitespace-separated list of recipient addresses. May reference build parameters like $PARAM. E-mail will be sent when a build fails, becomes unstable or returns to stable.
Send e-mail for every unstable build
Send separate e-mails to individuals who broke the build
Add post-build action
Save
Apply


Jenkins
search
DiscoverTechno | log out
Jenkins › PetClinic-Compile ›
ENABLE AUTO REFRESH
Back to Dashboard
Status
Changes
Workspace
Build Now
Delete Project
Configure
GitHub Hook Log
Move
GitHub
Build History
trend
find
#14
Apr 30, 2016 12:49 AM
#13
Apr 29, 2016 7:37 PM
#12
Project PetClinic-Compile
add description
Disable Project
Workspace
Recent Changes
Downstream Projects
PetClinic-Code
PetClinic-Test
Permalinks
Last build (#14), 33 min ago
Last stable build (#14), 33 min ago
Last successful build (#14), 33 min ago
Last failed build (#12), 1 day 5 hr ago
Last unsuccessful build (#12), 1 day 5 hr ago

Name: PetClinic-Build-Pipeline-View

Description:

[Plain text] Preview

Filter build queue: ☐

Filter build executors: ☐

Build Pipeline View Title:

Layout: Based on upstream/downstream relationship

Select Initial Job: PetClinic-Compile

No Of Displayed Builds: 1

Restrict triggers to most recent successful builds: ○ Yes ◉ No

Always allow manual trigger on pipeline steps: ○ Yes ◉ No

Show pipeline project headers: ○ Yes ◉ No

Show pipeline parameters in project headers: ○ Yes ◉ No

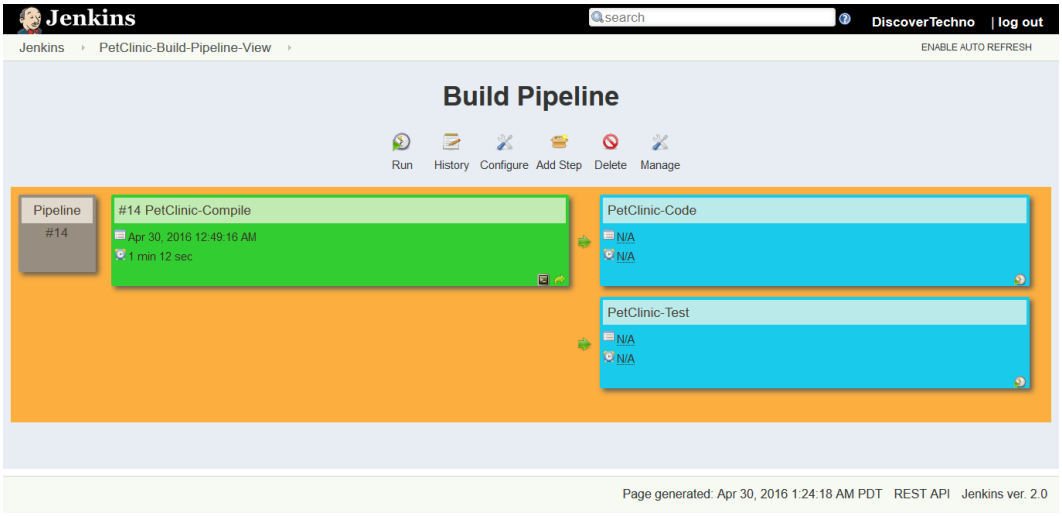
Show pipeline parameters in revision box: ○ Yes ◉ No

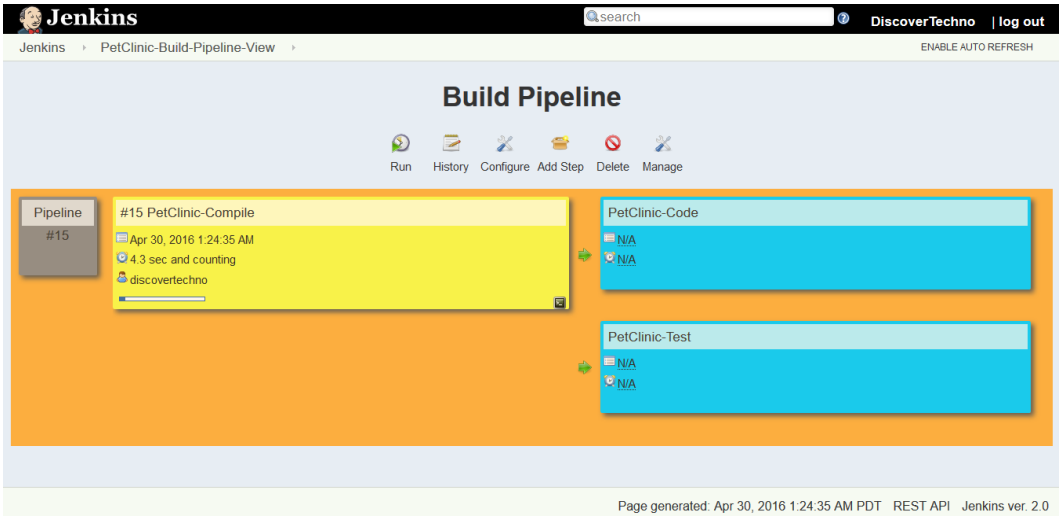
Refresh frequency (in seconds): 3

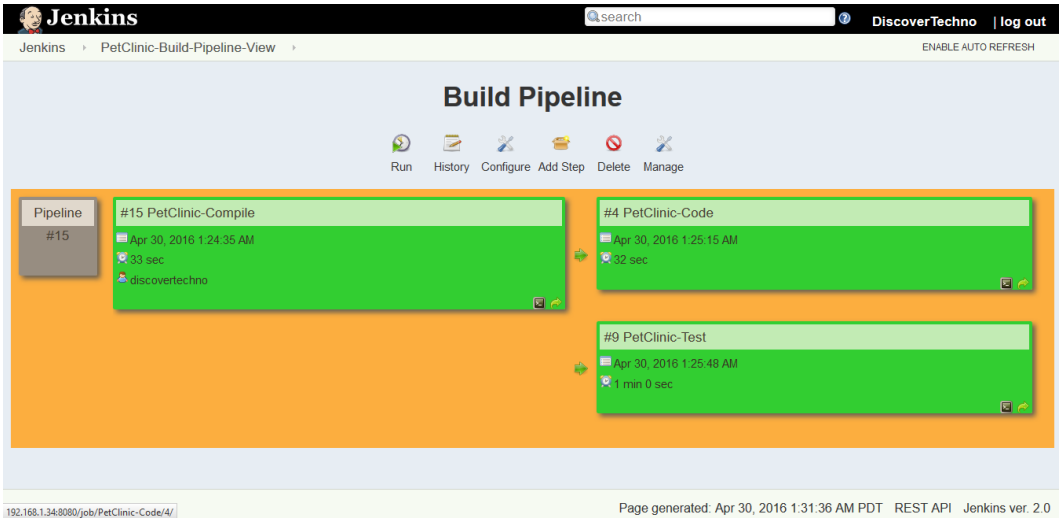
URL for custom CSS files:

Console Output Link Style: Lightbox

OK Apply

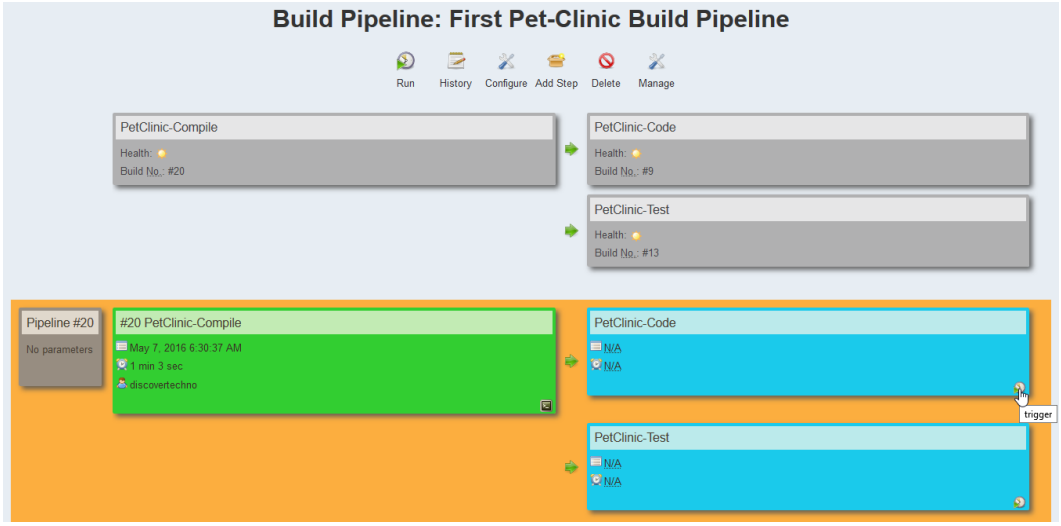

Jenkins
search
DiscoverTechno | log out
Jenkins › PetClinic-Build-Pipeline-View ›
ENABLE AUTO REFRESH
Build Pipeline
Run
History
Configure
Add Step
Delete
Manage
Pipeline
#14
#14 PetClinic-Compile
Apr 30, 2016 12:49:16 AM
1 min 12 sec
PetClinic-Code
N/A
N/A
PetClinic-Test
N/A
N/A
Page generated: Apr 30, 2016 1:24:18 AM PDT REST API Jenkins ver. 2.0


Jenkins
search
DiscoverTechno | log out
Jenkins › PetClinic-Build-Pipeline-View ›
ENABLE AUTO REFRESH
Build Pipeline
Run
History
Configure
Add Step
Delete
Manage
Pipeline
#15
#15 PetClinic-Compile
Apr 30, 2016 1:24:35 AM
4.3 sec and counting
discovertechno
PetClinic-Code
N/A
N/A
PetClinic-Test
N/A
N/A
Page generated: Apr 30, 2016 1:24:35 AM PDT REST API Jenkins ver. 2.0

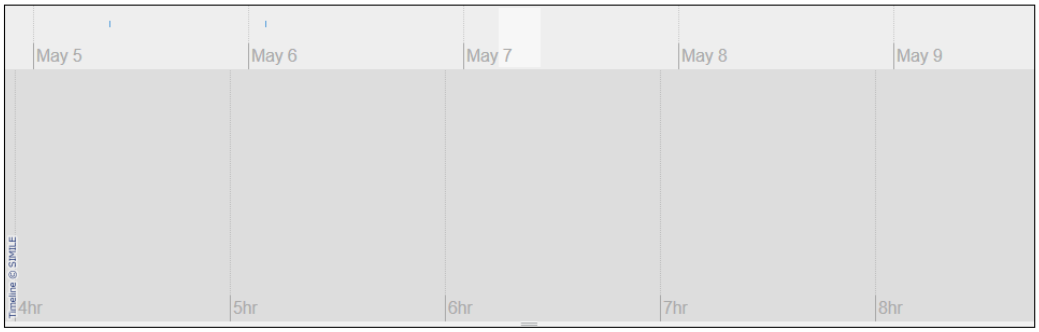


No Of Displayed Builds	2
Restrict triggers to most recent successful builds	Yes / No
Always allow manual trigger on pipeline steps	Yes / No
Show pipeline project headers	Yes / No
Show pipeline parameters in project headers	Yes / No
Show pipeline parameters in revision box	Yes / No
Refresh frequency (in seconds)	3
URL for custom CSS files	
Console Output Link Style	Lightbox

OK Apply

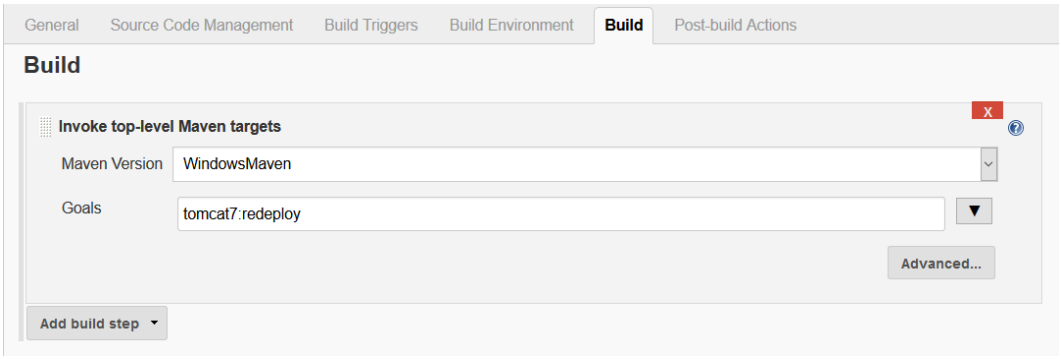


Build History of PetClinic-Build-Pipeline-View



Export as plain XML

Build	Time Since ↑	Status
PetClinic-Code #9	1 day 4 hr	stable
PetClinic-Code #8	1 day 21 hr	stable
PetClinic-Test #13	1 day 21 hr	stable
PetClinic-Compile #19	1 day 21 hr	stable




```
[INFO] --- maven-war-plugin:2.3:war (default-war) @ spring-petclinic ---
[INFO] Packaging webapp
[INFO] Assembling webapp [spring-petclinic] in [d:\jenkins\workspace\PetClinic-Deploy\target\spring-
petclinic-4.2.5-SNAPSHOT]
[INFO] Processing war project
[INFO] Copying webapp resources [d:\jenkins\workspace\PetClinic-Deploy\src\main\webapp]
[INFO] Webapp assembled in [969 msecs]
[INFO] Building war: d:\jenkins\workspace\PetClinic-Deploy\target\spring-petclinic-4.2.5-SNAPSHOT.war
[INFO]
[INFO] <<< tomcat7-maven-plugin:2.2:redeploy (default-cli) < package @ spring-petclinic <<<
[INFO]
[INFO] --- tomcat7-maven-plugin:2.2:redeploy (default-cli) @ spring-petclinic ---
[INFO] Deploying war to http://192.168.1.35:9999/petclinic
Uploading: http://192.168.1.35:9999/manager/text/deploy?path=%2Fpetclinic&update=true
40002/40946 KB
40004/40946 KB
40006/40946 KB
40008/40946 KB
40010/40946 KB
40012/40946 KB
```

```
40940/40946 KB
40942/40946 KB
40944/40946 KB
40946/40946 KB
Uploaded: http://192.168.1.35:9999/manager/text/deploy?path=%2Fpetclinic&update=true (40946 KB at
9024.8 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: 58.469 s
[INFO] Finished at: 2016-05-07T23:41:13+05:30
[INFO] Final Memory: 38M/263M
[INFO] ------------------------------------------------------------------------
Finished: SUCCESS
```

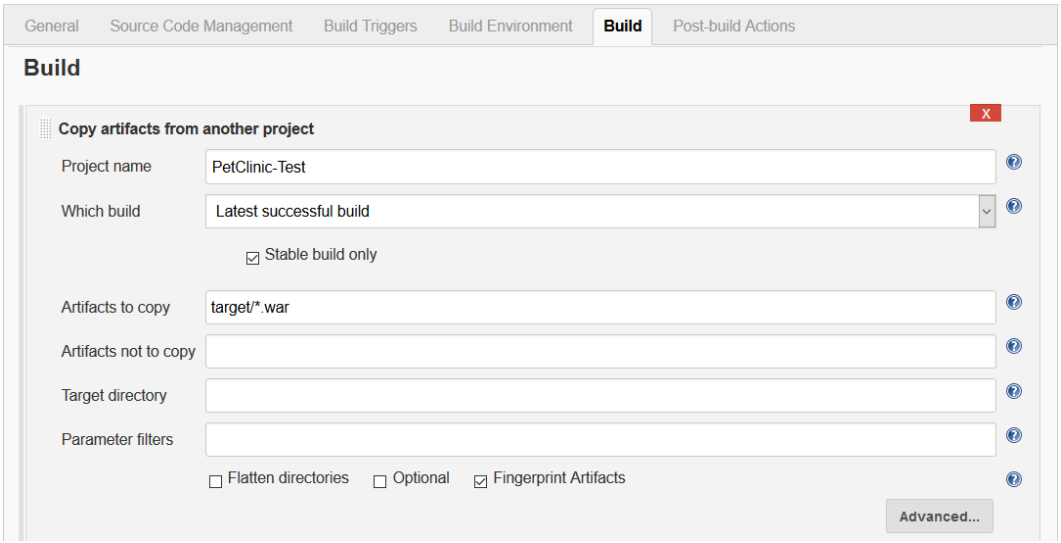
```
[INFO] --- maven-war-plugin:2.3:war (default-war) @ spring-petclinic ---
[INFO] Packaging webapp
[INFO] Assembling webapp [spring-petclinic] in [d:\jenkins\workspace\PetClinic-Test\target\spring-
petclinic-4.2.5-SNAPSHOT]
[INFO] Processing war project
[INFO] Copying webapp resources [d:\jenkins\workspace\PetClinic-Test\src\main\webapp]
[INFO] Webapp assembled in [2371 msecs]
[INFO] Building war: d:\jenkins\workspace\PetClinic-Test\target\spring-petclinic-4.2.5-SNAPSHOT.war
[INFO] ------------------------------------------------------------------------
[INFO] BUILD SUCCESS
[INFO] ------------------------------------------------------------------------
[INFO] Total time: 35.535 s
[INFO] Finished at: 2016-05-08T00:53:30+05:30
[INFO] Final Memory: 29M/271M
[INFO] ------------------------------------------------------------------------
Archiving artifacts
Recording test results
Warning: you have no plugins providing access control for builds, so falling back to legacy behavior
of permitting any downstream builds to be triggered
Triggering a new build of PetClinic-Deploy
Finished: SUCCESS
```

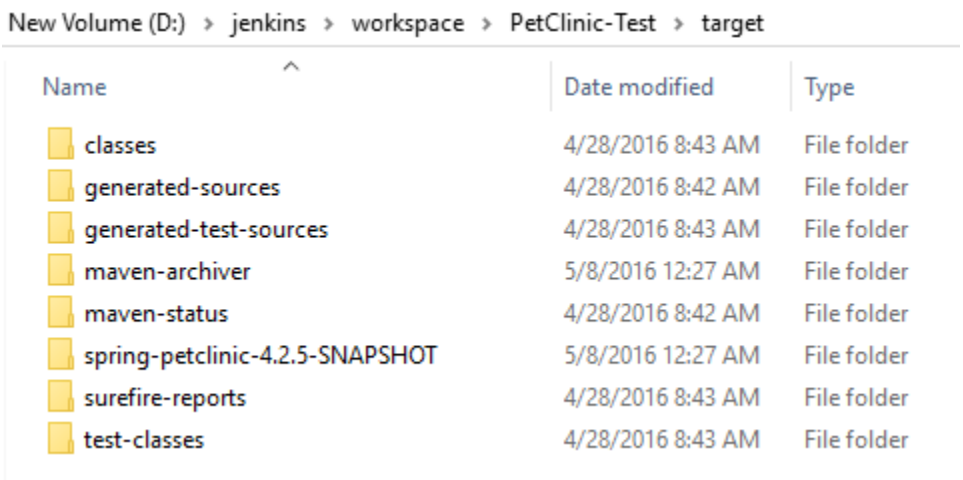
Filter: copy artifact

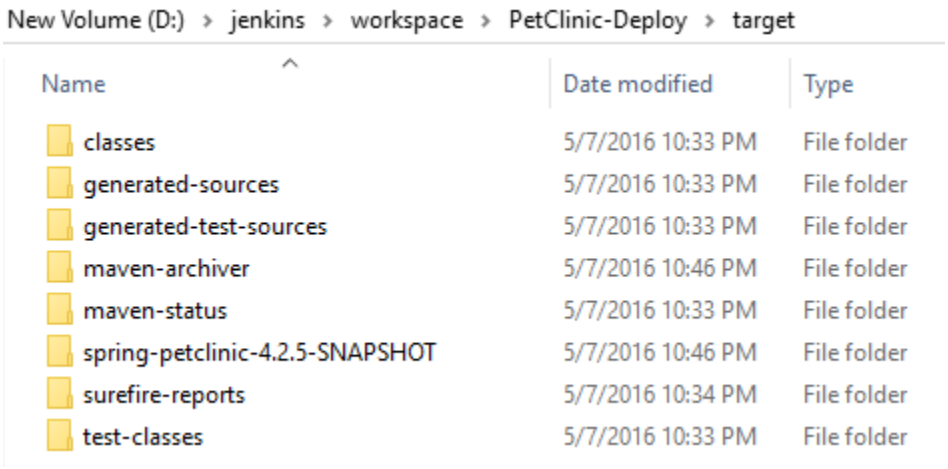
Updates | **Available** | Installed | Advanced

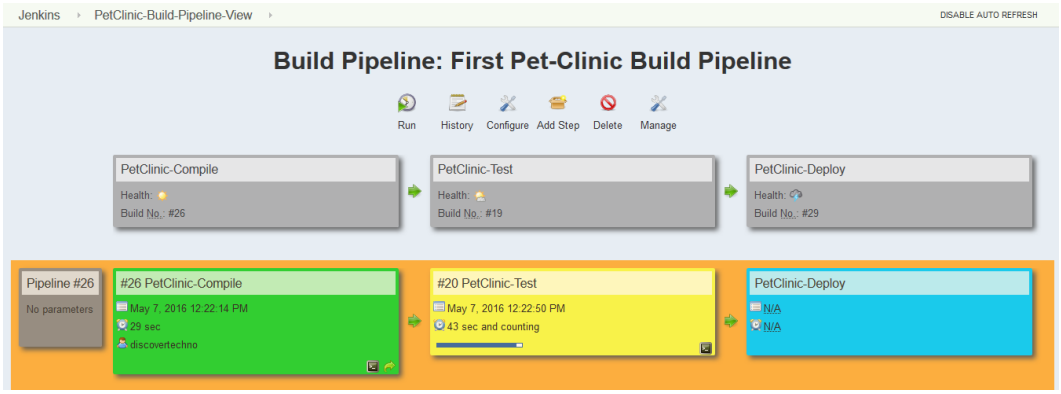
Install ↓	Name	Version
☐	Artifact Deployer Plug-in This plugin makes it possible to copy artifacts to remote locations.	0.33
☐	Copy Artifact Plugin Adds a build step to copy artifacts from another project.	1.38

Install without restart | Download now and install after restart | Update information obtained: 22 hr ago | Check now


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

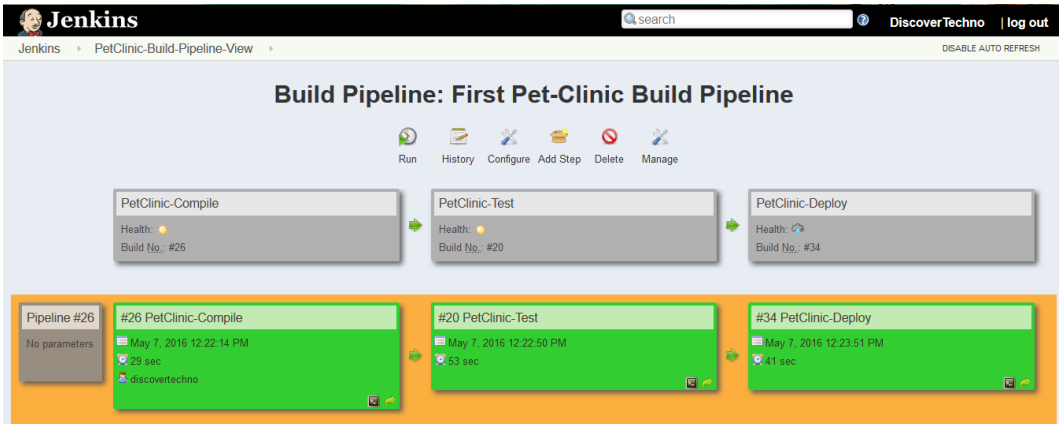

New Volume (D:) › jenkins › workspace › PetClinic-Test › target
Name
Date modified
Type
classes
4/28/2016 8:43 AM
File folder
generated-sources
4/28/2016 8:42 AM
File folder
generated-test-sources
4/28/2016 8:43 AM
File folder
maven-archiver
5/8/2016 12:27 AM
File folder
maven-status
4/28/2016 8:42 AM
File folder
spring-petclinic-4.2.5-SNAPSHOT
5/8/2016 12:27 AM
File folder
surefire-reports
4/28/2016 8:43 AM
File folder
test-classes
4/28/2016 8:43 AM
File folder

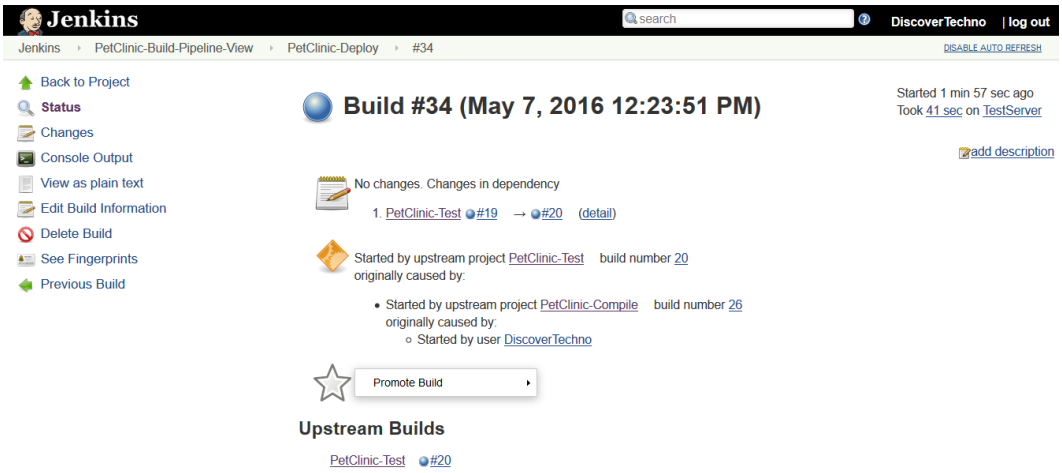

New Volume (D:) › jenkins › workspace › PetClinic-Deploy › target
Name
Date modified
Type
classes 5/7/2016 10:33 PM File folder
generated-sources 5/7/2016 10:33 PM File folder
generated-test-sources 5/7/2016 10:33 PM File folder
maven-archiver 5/7/2016 10:46 PM File folder
maven-status 5/7/2016 10:33 PM File folder
spring-petclinic-4.2.5-SNAPSHOT 5/7/2016 10:46 PM File folder
surefire-reports 5/7/2016 10:34 PM File folder
test-classes 5/7/2016 10:33 PM File folder

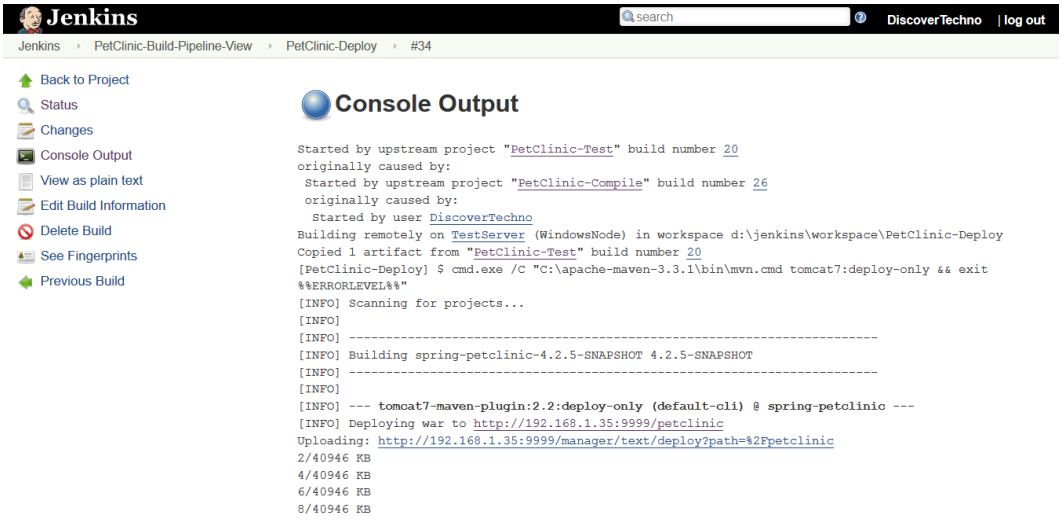

Jenkins
PetClinic-Build-Pipeline-View
DISABLE AUTO REFRESH
Build Pipeline: First Pet-Clinic Build Pipeline
Run
History
Configure
Add Step
Delete
Manage
PetClinic-Compile
Health:
Build No.: #26
PetClinic-Test
Health:
Build No.: #19
PetClinic-Deploy
Health:
Build No.: #29
Pipeline #26
No parameters
#26 PetClinic-Compile
May 7, 2016 12:22:14 PM
29 sec
discovertechno
#20 PetClinic-Test
May 7, 2016 12:22:50 PM
43 sec and counting
PetClinic-Deploy
N/A
N/A

```
Tests run: 59, 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 [d:\jenkins\workspace\PetClinic-Test\target\spring-
petclinic-4.2.5-SNAPSHOT]
[INFO] Processing war project
[INFO] Copying webapp resources [d:\jenkins\workspace\PetClinic-Test\src\main\webapp]
[INFO] Webapp assembled in [2371 msecs]
[INFO] Building war: d:\jenkins\workspace\PetClinic-Test\target\spring-petclinic-4.2.5-SNAPSHOT.war
[INFO] ------------------------------------------------------------------------
[INFO] BUILD SUCCESS
[INFO] ------------------------------------------------------------------------
[INFO] Total time: 35.535 s
[INFO] Finished at: 2016-05-08T00:53:30+05:30
[INFO] Final Memory: 29M/271M
[INFO] ------------------------------------------------------------------------
Archiving artifacts
Recording test results
Warning: you have no plugins providing access control for builds, so falling back to legacy behavior
of permitting any downstream builds to be triggered
Triggering a new build of PetClinic-Deploy
Finished: SUCCESS
```


Name	Date modified	Type	Size
classes	4/28/2016 8:43 AM	File folder	
generated-sources	4/28/2016 8:42 AM	File folder	
generated-test-sources	4/28/2016 8:43 AM	File folder	
maven-archiver	5/8/2016 12:27 AM	File folder	
maven-status	4/28/2016 8:42 AM	File folder	
spring-petclinic-4.2.5-SNAPSHOT	5/8/2016 12:27 AM	File folder	
surefire-reports	4/28/2016 8:43 AM	File folder	
test-classes	4/28/2016 8:43 AM	File folder	
spring-petclinic-4.2.5-SNAPSHOT.war	5/8/2016 12:53 AM	WAR File	40,946 KB

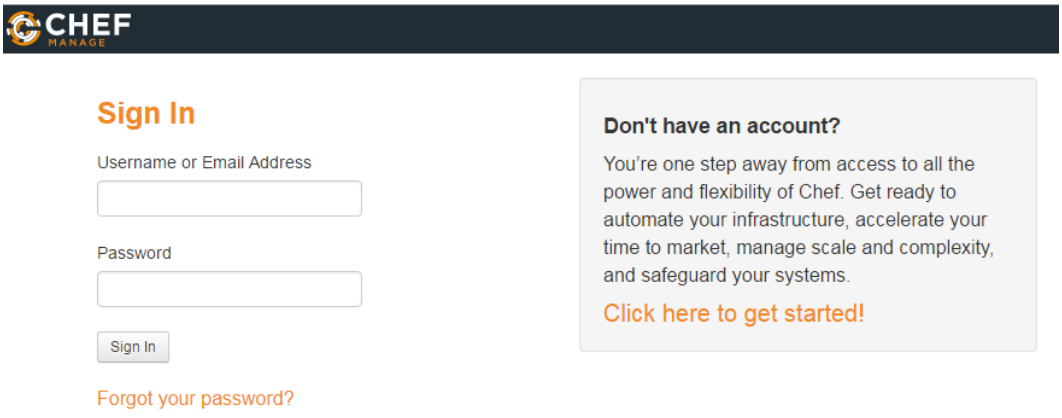

Jenkins
search
DiscoverTechno | log out
Jenkins PetClinic-Build-Pipeline-View
DISABLE AUTO REFRESH
Build Pipeline: First Pet-Clinic Build Pipeline
Run
History
Configure
Add Step
Delete
Manage
PetClinic-Compile
Health:
Build No.: #26
PetClinic-Test
Health:
Build No.: #20
PetClinic-Deploy
Health:
Build No.: #34
Pipeline #26
No parameters
#26 PetClinic-Compile
May 7, 2016 12:22:14 PM
29 sec
discovertechno
#20 PetClinic-Test
May 7, 2016 12:22:50 PM
53 sec
#34 PetClinic-Deploy
May 7, 2016 12:23:51 PM
41 sec

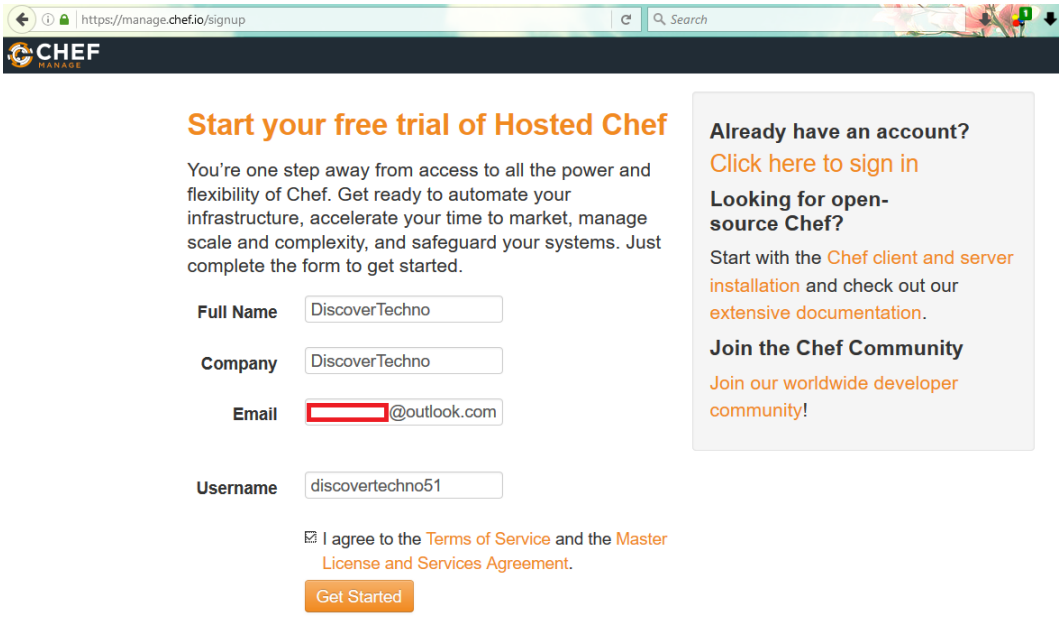

Jenkins
search
DiscoverTechno | log out
Jenkins PetClinic-Build-Pipeline-View PetClinic-Deploy #34
DISABLE AUTO REFRESH
Back to Project
Status
Changes
Console Output
View as plain text
Edit Build Information
Delete Build
See Fingerprints
Previous Build
Build #34 (May 7, 2016 12:23:51 PM)
Started 1 min 57 sec ago
Took 41 sec on TestServer
add description
No changes. Changes in dependency
1. PetClinic-Test #19 → #20 (detail)
Started by upstream project PetClinic-Test build number 20
originally caused by:
Started by upstream project PetClinic-Compile build number 26
originally caused by:
Started by user DiscoverTechno
Promote Build
Upstream Builds
PetClinic-Test #20




```
40922/40946 KB
40924/40946 KB
40926/40946 KB
40928/40946 KB
40930/40946 KB
40932/40946 KB
40934/40946 KB
40936/40946 KB
40938/40946 KB
40940/40946 KB
40942/40946 KB
40944/40946 KB
40946/40946 KB
Uploaded: http://192.168.1.35:9999/manager/text/deploy?path=%2Fpetclinic (40946 KB at 5678.2 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: 24.879 s
[INFO] Finished at: 2016-05-08T00:54:31+05:30
[INFO] Final Memory: 16M/154M
[INFO] ------------------------------------------------------------------------
Finished: SUCCESS
```

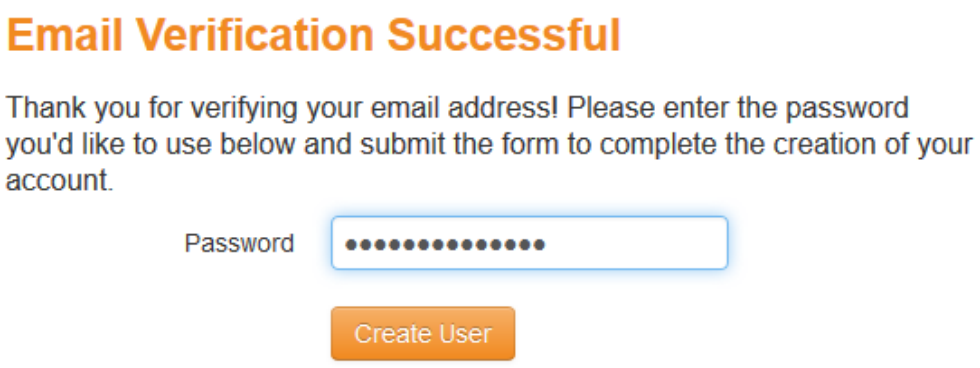
Chapter 4: Installing and Configuring Chef



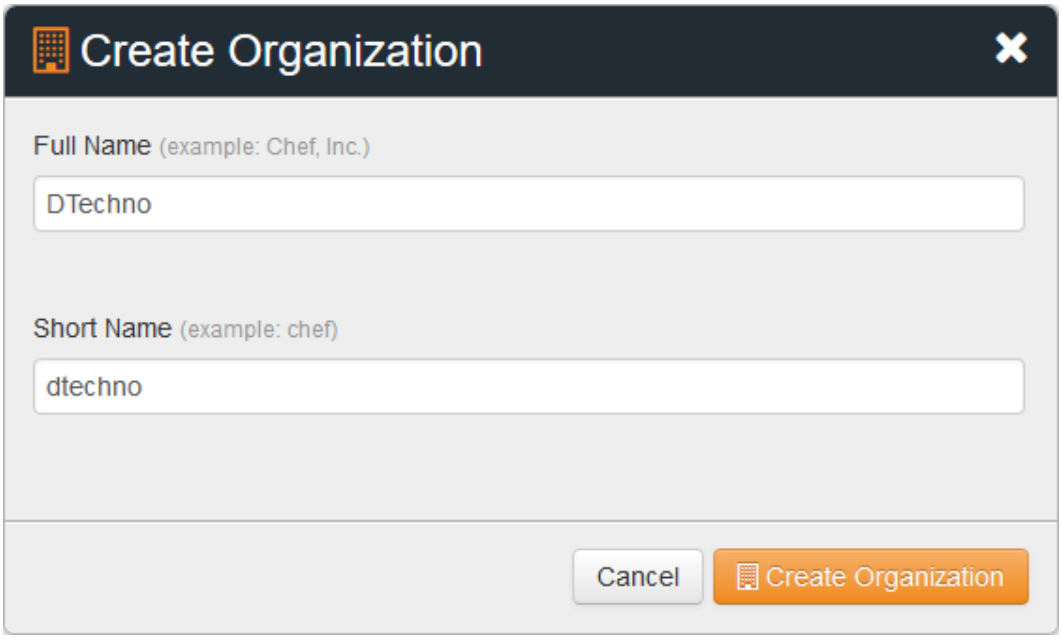


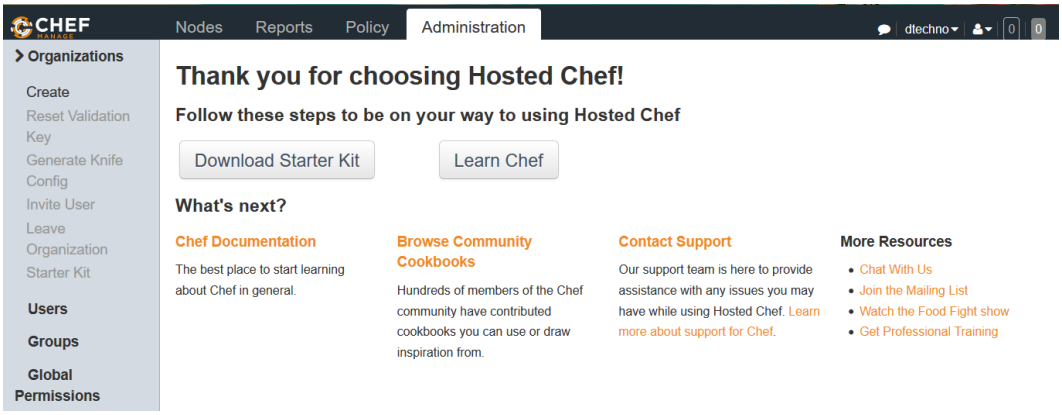
Thanks for signing up!

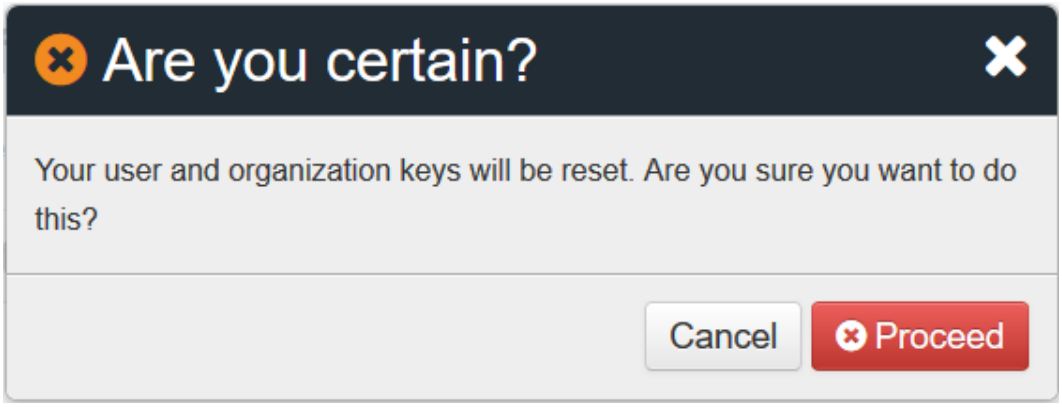
We've just sent you an email to verify your email address. Click the link in the email to finish the creation of your account.

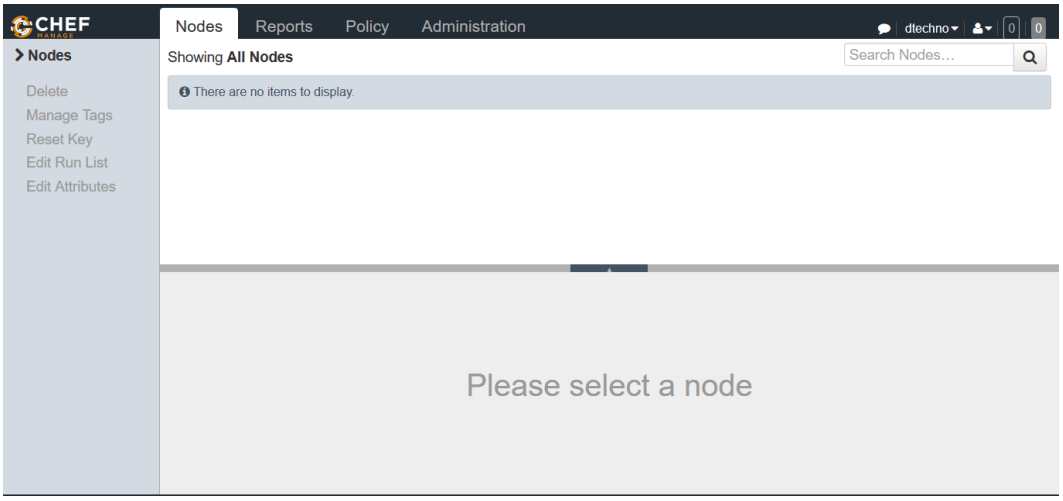


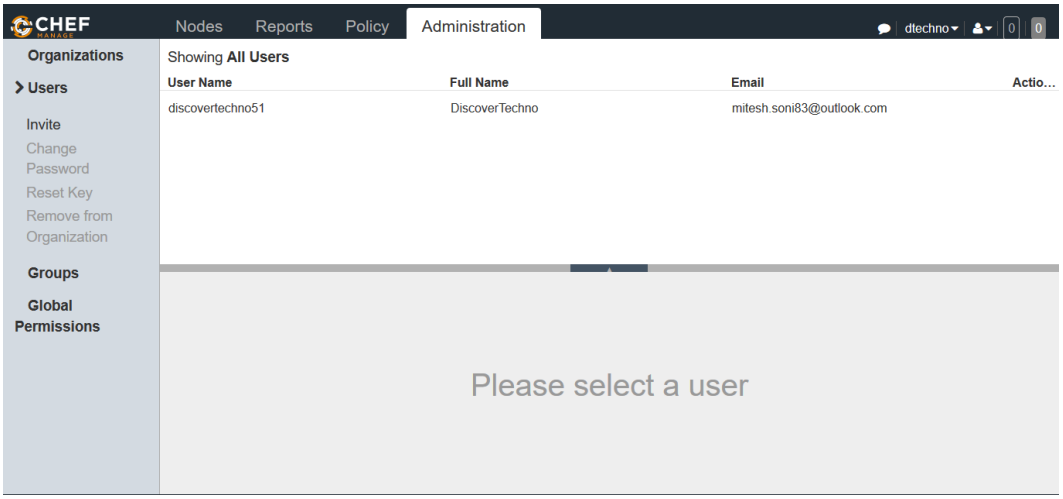
Welcome to
CHEF
MANAGE
Thank you for using Chef!
You are not yet a member of any organizations, so please either create a new organization or accept a pending invitation.
If you are trying to join a specific organization and don't have any invitations, get someone in the organization to send you an invitation, then hit the refresh button.
Sign Out
Create New Organization
Accept Invitations (0 pending)

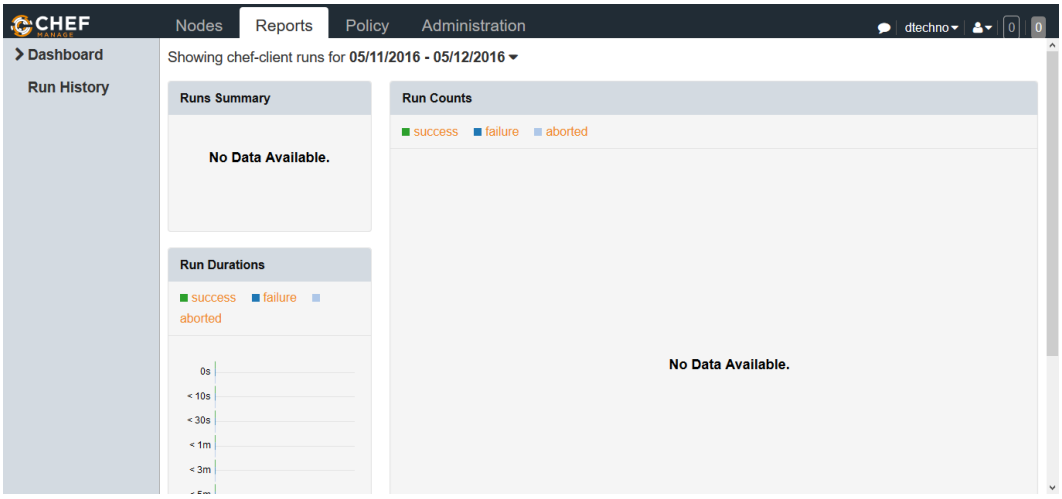

Create Organization
Full Name (example: Chef, Inc.)
DTechno
Short Name (example: chef)
dtechno
Cancel
Create Organization


CHEF
Nodes
Reports
Policy
Administration
dtechno
Organizations
Create
Reset Validation Key
Generate Knife Config
Invite User
Leave Organization
Starter Kit
Users
Groups
Global Permissions
Thank you for choosing Hosted Chef!
Follow these steps to be on your way to using Hosted Chef
Download Starter Kit
Learn Chef
What's next?
Chef Documentation
The best place to start learning about Chef in general.
Browse Community Cookbooks
Hundreds of members of the Chef community have contributed cookbooks you can use or draw inspiration from.
Contact Support
Our support team is here to provide assistance with any issues you may have while using Hosted Chef. Learn more about support for Chef.
More Resources
Chat With Us
Join the Mailing List
Watch the Food Fight show
Get Professional Training


Are you certain?
Your user and organization keys will be reset. Are you sure you want to do this?
Cancel
Proceed


CHEF
MANAGE
Nodes
Reports
Policy
Administration
dtechno
0
0
Nodes
Showing All Nodes
Search Nodes…
Delete
Manage Tags
Reset Key
Edit Run List
Edit Attributes
There are no items to display.
Please select a node


CHEF
MANAGE
Nodes
Reports
Policy
Administration
dtechno
0
0
Organizations
Users
Invite
Change Password
Reset Key
Remove from Organization
Groups
Global Permissions
Showing All Users
User Name
Full Name
Email
Actio…
discovertechno51
DiscoverTechno
mitesh.soni83@outlook.com
Please select a user



CHEF DOWNLOADS CHEF DEVELOPMENT KIT CHEF SERVER CHEF CLIENT

Chef Client

The Chef client works with the Chef server to bring systems to their desired states with policies you provide as recipes.

- AIX
- Cisco IOS XR
- Cisco NX-OS
- Debian
- FreeBSD
- Mac OS X
- Red Hat Enterprise Linux

Version: 12.9.41

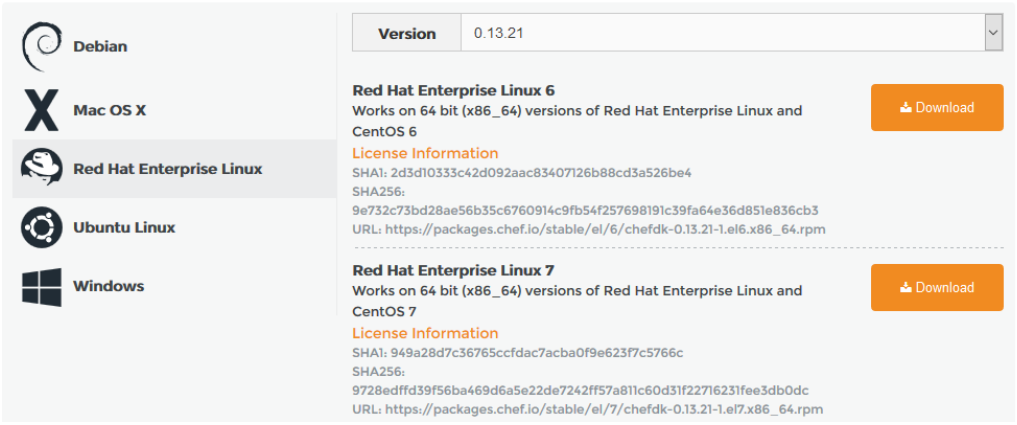
Red Hat Enterprise Linux 7
Works on 64 bit (x86_64) versions of Red Hat Enterprise Linux and CentOS 7
License Information
SHA1: f14720651b4876de836f244f8b56218ba4239672
SHA256:
f1356a0f13a79b494b3193158a74a2762b4f5338e4227235e5353ddd1d4a6e00
URL: https://packages.chef.io/stable/el/7/chef-12.9.41-1.el7.x86_64.rpm
Download

Red Hat Enterprise Linux 6 x86_64
Works on 64 bit (x86_64) versions of Red Hat Enterprise Linux and CentOS 6
License Information
SHA1: 859bc9be9a40b8b13fb88744079ceef1832831b0
SHA256:
c43f48e5a2de56e4eda473a3ee0a80aa1aaa6c8621d9084e033d8b9cf3efc328
URL: https://packages.chef.io/stable/el/6/chef-12.9.41-1.el6.x86_64.rpm
Download

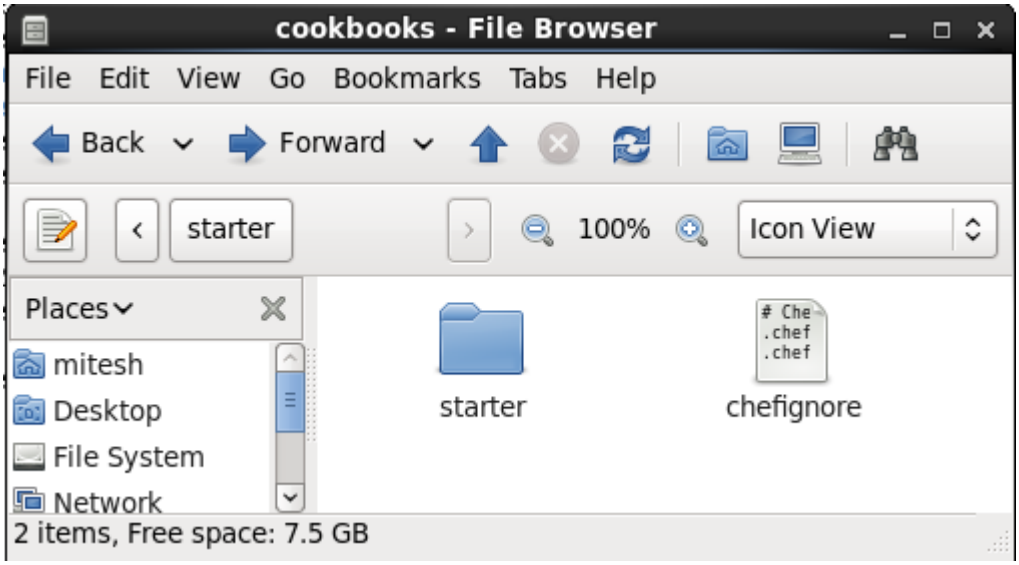
CHEF DOWNLOADS CHEF DEVELOPMENT KIT CHEF SERVER CHEF CLIENT

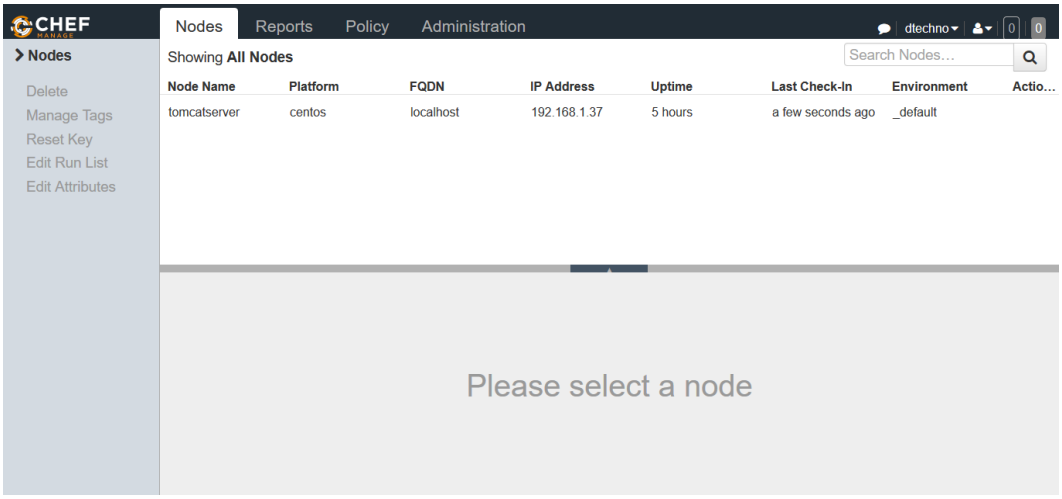
Chef Development Kit

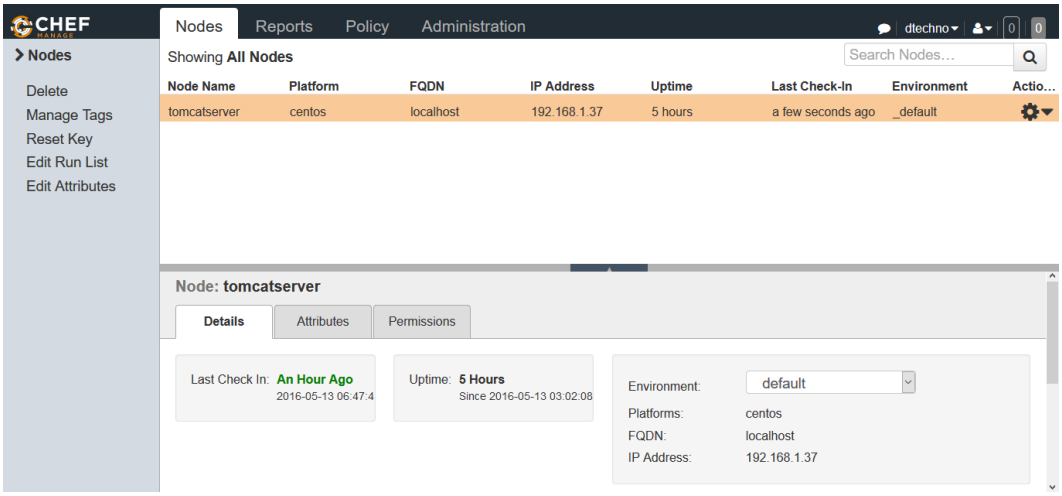
The Chef Development Kit (ChefDK) brings the best-of-breed development tools built by the awesome Chef community to your workstation with just a few clicks. Download your package and start coding Chef in seconds.

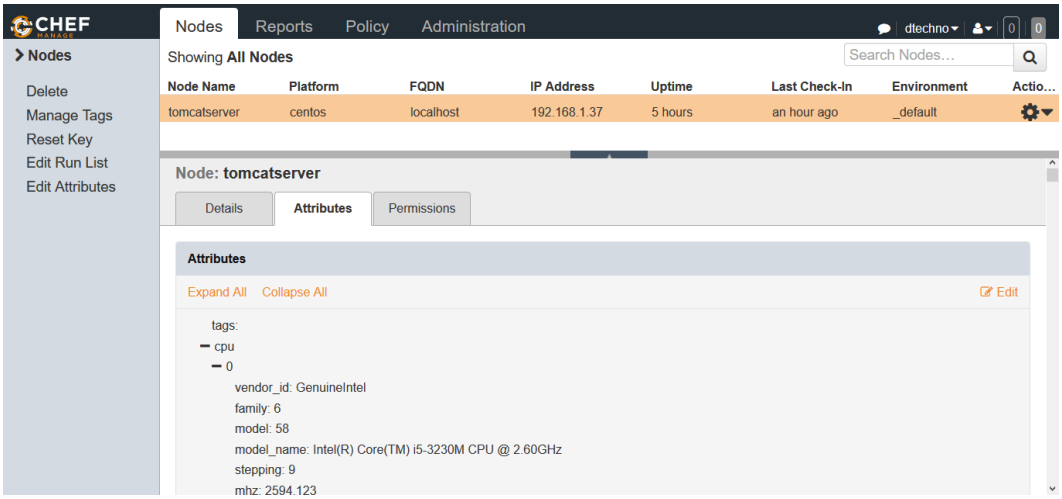


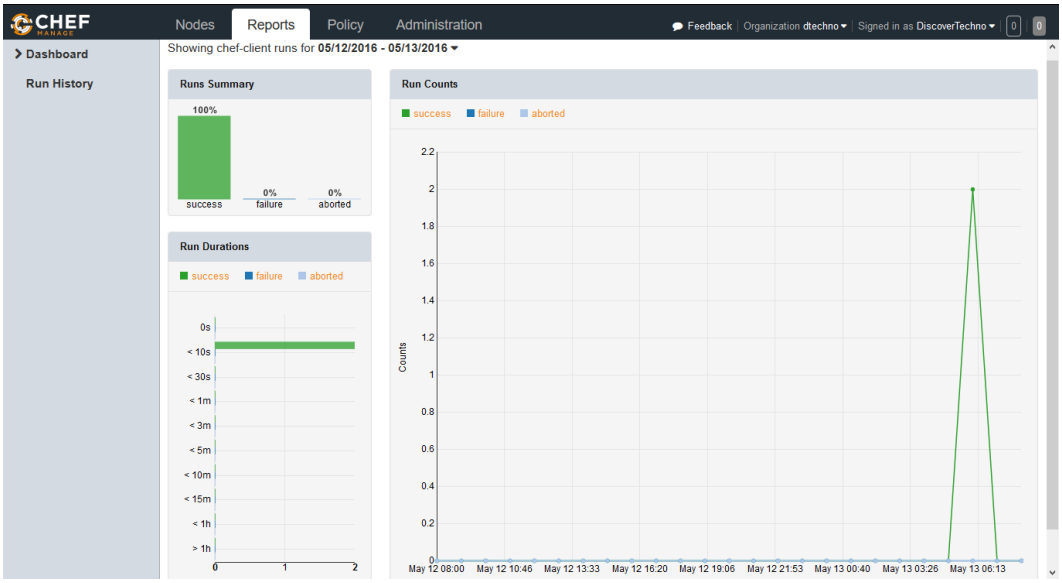
chef-repo - File Browser
File Edit View Go Bookmarks Tabs Help
Back Forward
cookbooks
starter
100%
Icon View
Places
mitesh
Desktop
File System
Network
CanonEO...
Trash
Documents
Music
Pictures
cookbooks
roles
.chef
README.md
.gitignore
5 items, Free space: 7.5 GB

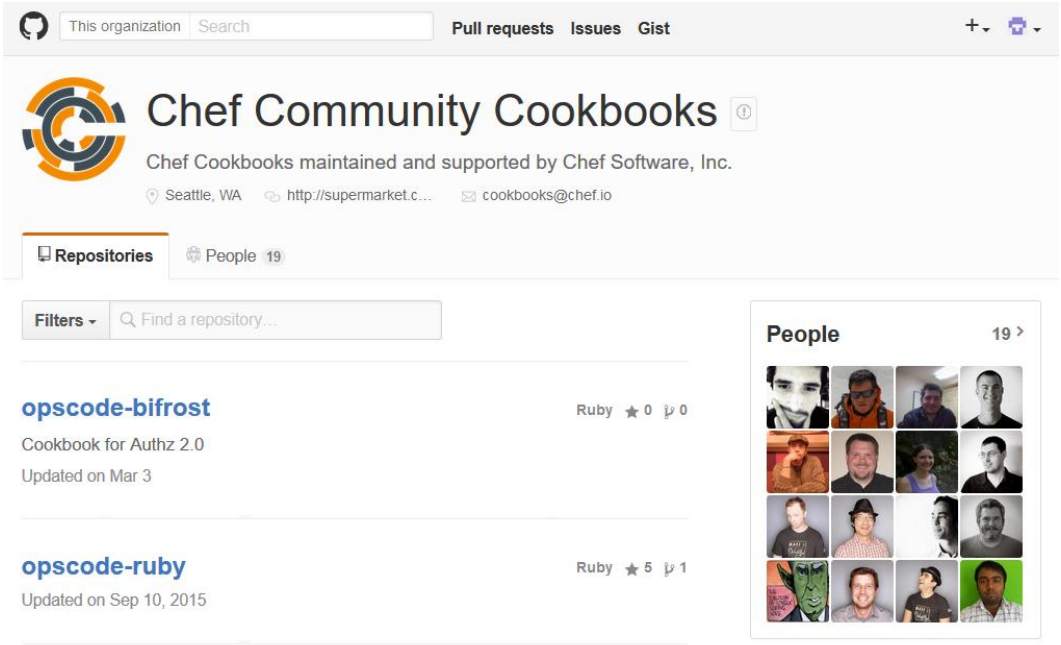

cookbooks - File Browser
File Edit View Go Bookmarks Tabs Help
Back Forward
starter
100%
Icon View
Places
mitesh
Desktop
File System
Network
starter
chefignore
2 items, Free space: 7.5 GB

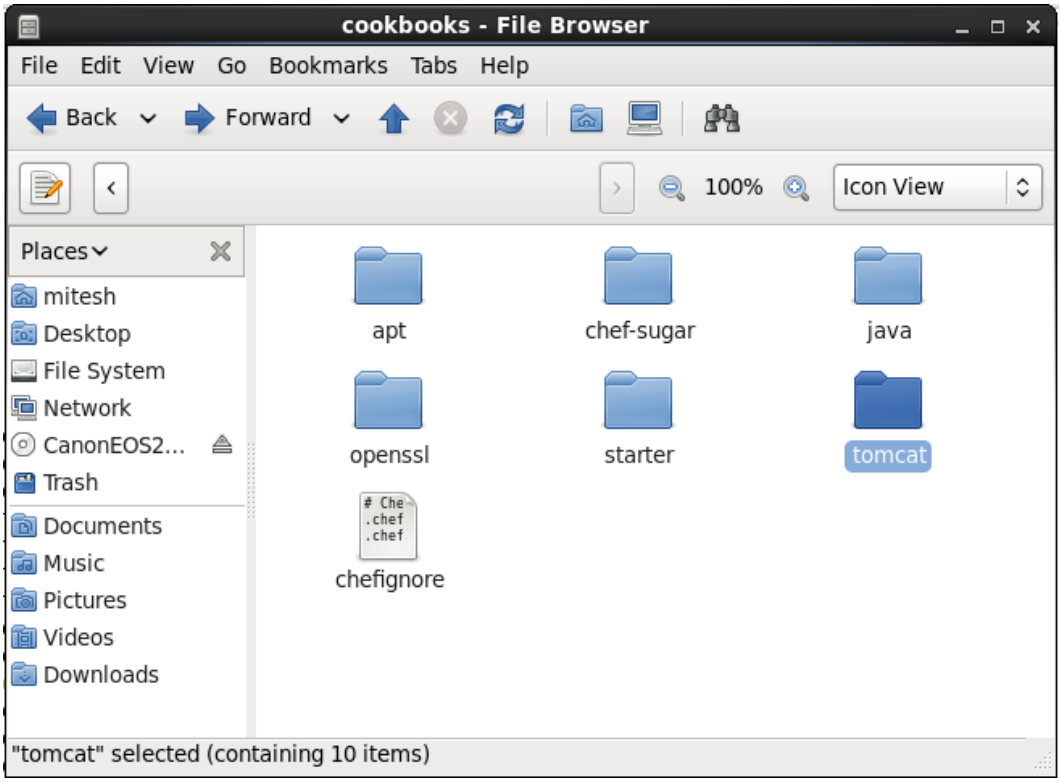

CHEF
Nodes
Reports
Policy
Administration
dtechno
Nodes
Showing All Nodes
Search Nodes…
Delete
Manage Tags
Reset Key
Edit Run List
Edit Attributes
Node Name
Platform
FQDN
IP Address
Uptime
Last Check-In
Environment
Actio…
tomcatserver
centos
localhost
192.168.1.37
5 hours
a few seconds ago
_default
Please select a node

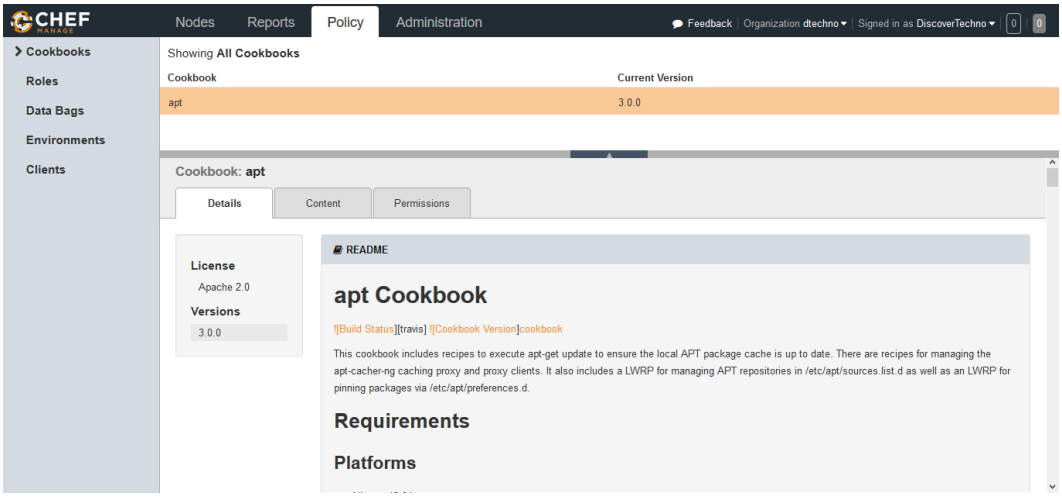

CHEF
Nodes
Reports
Policy
Administration
dtechno
Nodes
Showing All Nodes
Search Nodes…
Delete
Manage Tags
Reset Key
Edit Run List
Edit Attributes
Node Name
Platform
FQDN
IP Address
Uptime
Last Check-In
Environment
Actio…
tomcatserver
centos
localhost
192.168.1.37
5 hours
a few seconds ago
_default
Node: tomcatserver
Details
Attributes
Permissions
Last Check In: An Hour Ago
2016-05-13 06:47:4
Uptime: 5 Hours
Since 2016-05-13 03:02:08
Environment:
default
Platforms:
centos
FQDN:
localhost
IP Address:
192.168.1.37

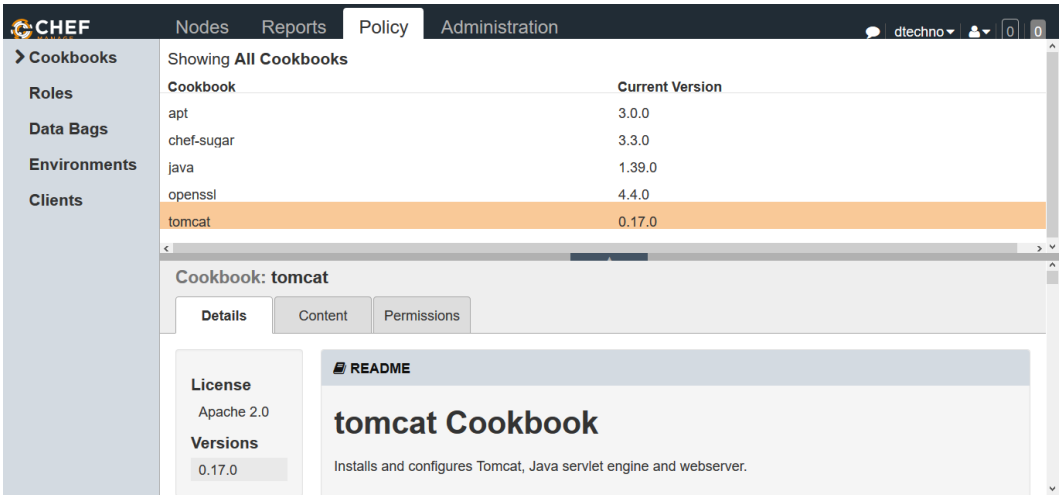

CHEF MANAGE
Nodes
Reports
Policy
Administration
dtechno
0
0
Nodes
Delete
Manage Tags
Reset Key
Edit Run List
Edit Attributes
Showing All Nodes
Search Nodes...
Node Name
Platform
FQDN
IP Address
Uptime
Last Check-In
Environment
Actio...
tomcatserver
centos
localhost
192.168.1.37
5 hours
an hour ago
_default
Node: tomcatserver
Details
Attributes
Permissions
Attributes
Expand All
Collapse All
Edit
tags:
cpu
0
vendor_id: GenuineIntel
family: 6
model: 58
model_name: Intel(R) Core(TM) i5-3230M CPU @ 2.60GHz
stepping: 9
mhz: 2594.123

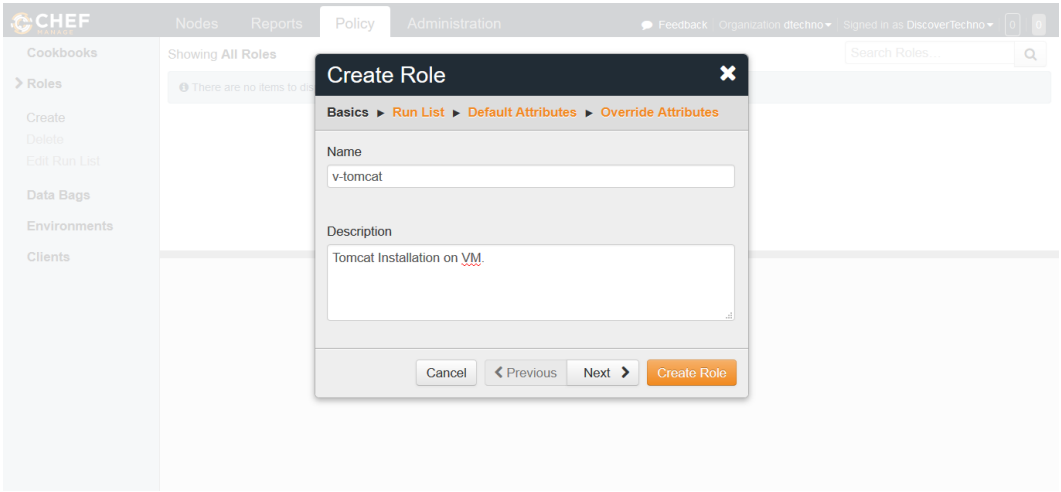

CHEF MANAGE
Nodes
Reports
Policy
Administration
Feedback
Organization dtechno
Signed in as DiscoverTechno
0
0
Dashboard
Run History
Showing chef-client runs for 05/12/2016 - 05/13/2016
Runs Summary
100%
success
0%
failure
0%
aborted
Run Durations
success
failure
aborted
0s
< 10s
< 30s
< 1m
< 3m
< 5m
< 10m
< 15m
< 1h
> 1h
0
1
2
Run Counts
success
failure
aborted
Counts
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
May 12 08:00
May 12 10:46
May 12 13:33
May 12 16:20
May 12 19:06
May 12 21:53
May 13 00:40
May 13 03:26
May 13 06:13

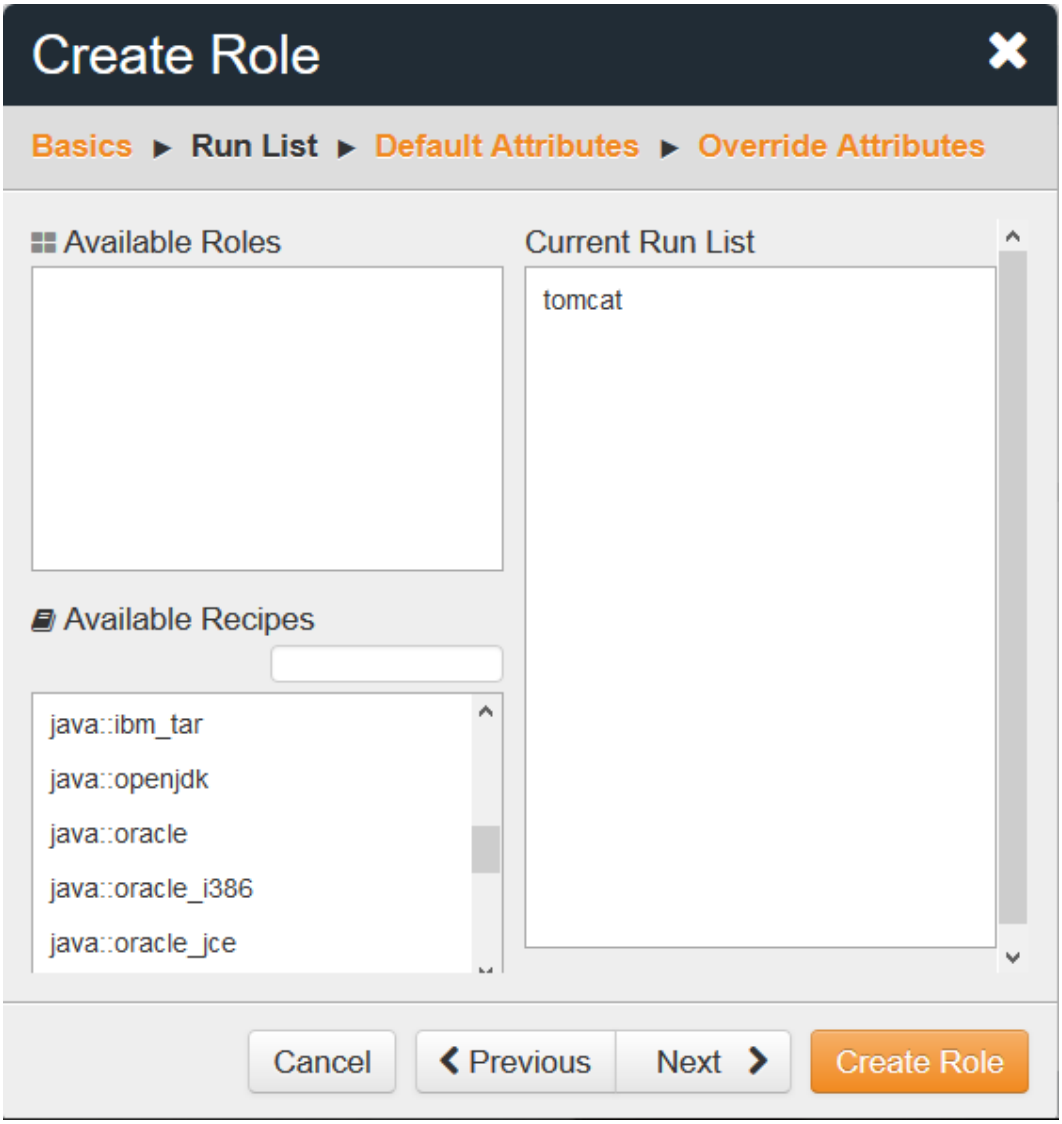

This organization
Search
Pull requests
Issues
Gist
Chef Community Cookbooks
Chef Cookbooks maintained and supported by Chef Software, Inc.
Seattle, WA
http://supermarket.c...
cookbooks@chef.io
Repositories
People 19
Filters
Find a repository...
opscode-bifrost
Ruby 0 0
Cookbook for Authz 2.0
Updated on Mar 3
opscode-ruby
Ruby 5 1
Updated on Sep 10, 2015
People
19

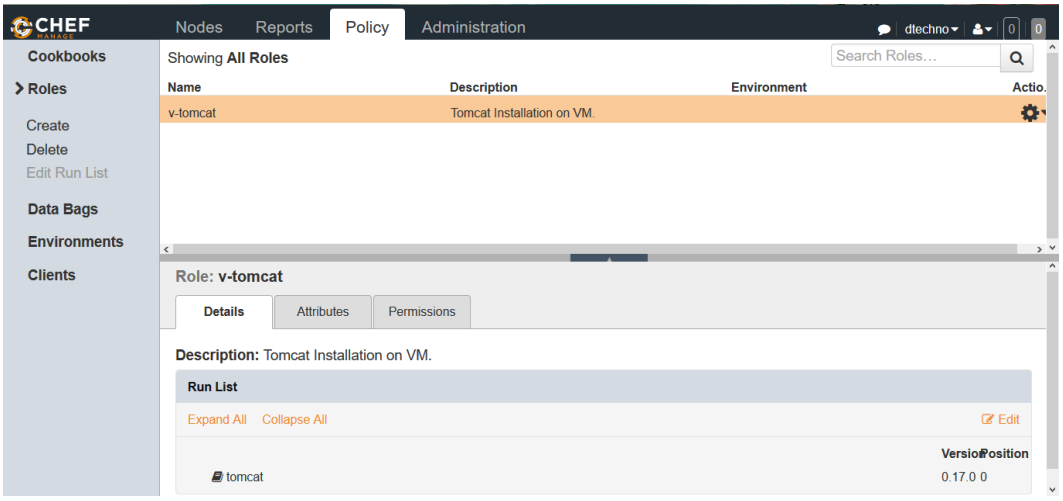

cookbooks - File Browser
File Edit View Go Bookmarks Tabs Help
Back Forward
100%
Icon View
Places
mitesh
Desktop
File System
Network
CanonEOS2...
Trash
Documents
Music
Pictures
Videos
Downloads
apt
chef-sugar
java
openssl
starter
tomcat
chefignore
"tomcat" selected (containing 10 items)

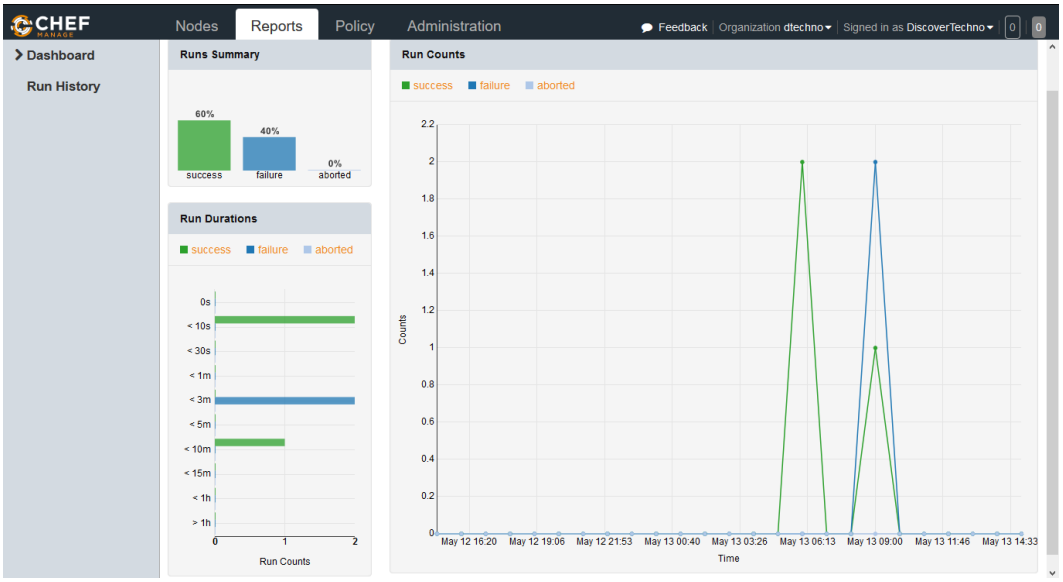

CHEF
Nodes
Reports
Policy
Administration
Feedback
Organization dtechno
Signed in as DiscoverTechno
Cookbooks
Roles
Data Bags
Environments
Clients
Showing All Cookbooks
Cookbook
Current Version
apt
3.0.0
Cookbook: apt
Details
Content
Permissions
License
Apache 2.0
Versions
3.0.0
README
apt Cookbook
This cookbook includes recipes to execute apt-get update to ensure the local APT package cache is up to date. There are recipes for managing the apt-cacher-ng caching proxy and proxy clients. It also includes a LWRP for managing APT repositories in /etc/apt/sources.list.d as well as an LWRP for pinning packages via /etc/apt/preferences.d.
Requirements
Platforms


CHEF
Nodes
Reports
Policy
Administration
dtechno
Cookbooks
Roles
Data Bags
Environments
Clients
Showing All Cookbooks
Cookbook
Current Version
apt
3.0.0
chef-sugar
3.3.0
java
1.39.0
openssl
4.4.0
tomcat
0.17.0
Cookbook: tomcat
Details
Content
Permissions
License
Apache 2.0
Versions
0.17.0
README
tomcat Cookbook
Installs and configures Tomcat, Java servlet engine and webserver.

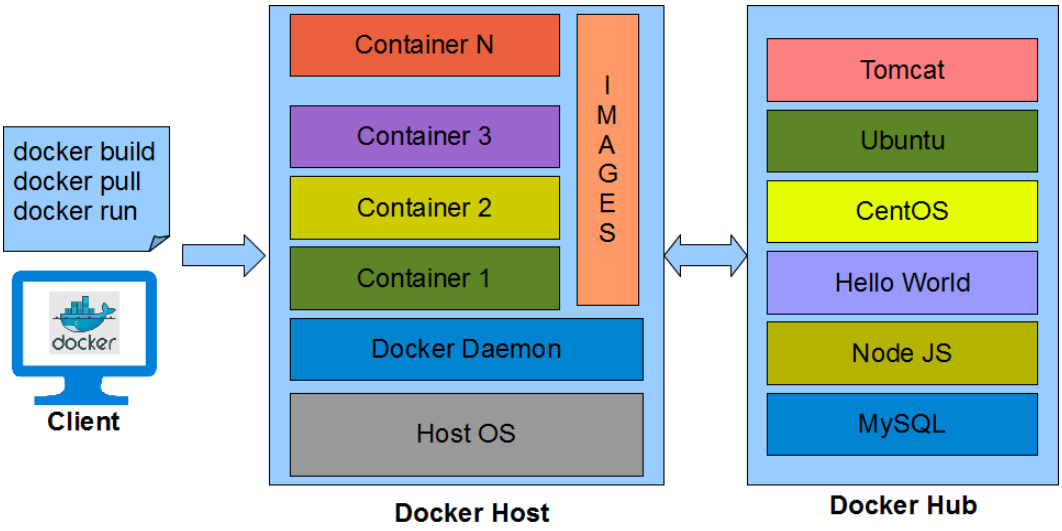

CHEF
Nodes
Reports
Policy
Administration
Feedback
Organization dtechno
Signed in as DiscoverTechno
Cookbooks
Roles
Create
Delete
Edit Run List
Data Bags
Environments
Clients
Showing All Roles
Search Roles...
Create Role
Basics ▸ Run List ▸ Default Attributes ▸ Override Attributes
Name
v-tomcat
Description
Tomcat Installation on VM
Cancel
Previous
Next
Create Role

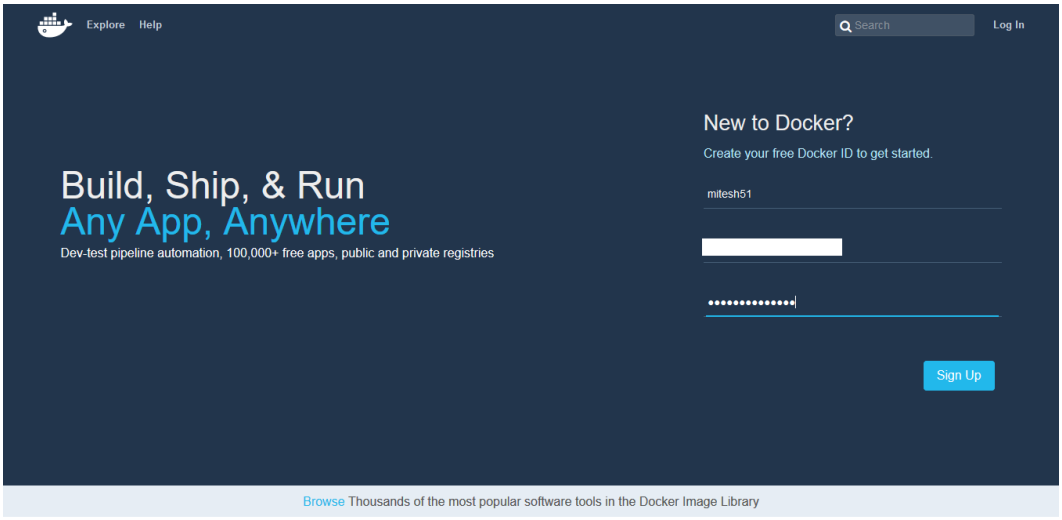

Create Role
Basics ▸ Run List ▸ Default Attributes ▸ Override Attributes
Available Roles
Current Run List
tomcat
Available Recipes
java::ibm_tar
java::openjdk
java::oracle
java::oracle_i386
java::oracle_jce
Cancel
Previous
Next
Create Role

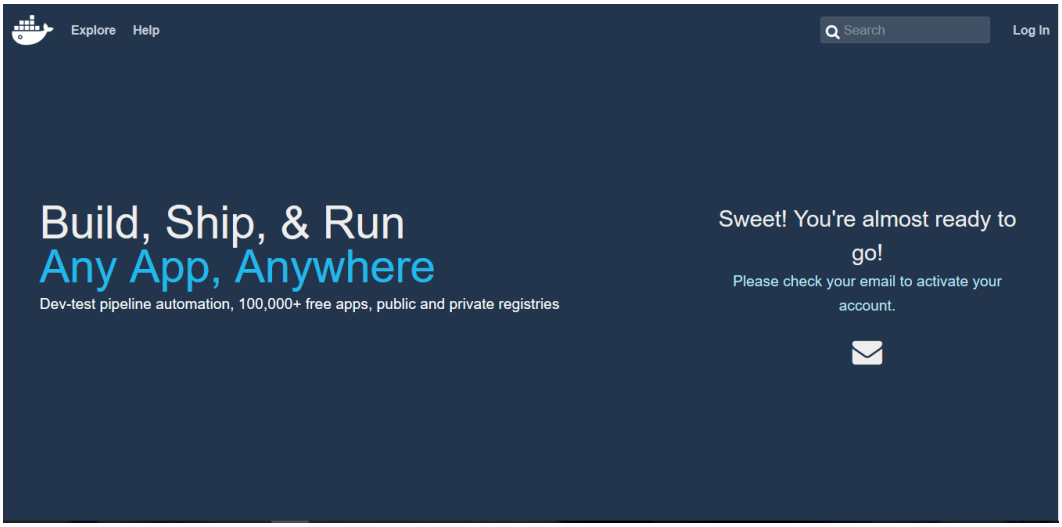

CHEF
Nodes
Reports
Policy
Administration
dtechno
Cookbooks
Roles
Create
Delete
Edit Run List
Data Bags
Environments
Clients
Showing All Roles
Search Roles…
Name
Description
Environment
Actio.
v-tomcat
Tomcat Installation on VM.
Role: v-tomcat
Details
Attributes
Permissions
Description: Tomcat Installation on VM.
Run List
Expand All
Collapse All
Edit
Version
Position
tomcat
0.17.0
0


CHEF
Nodes
Reports
Policy
Administration
Feedback
Organization dtechno
Signed in as DiscoverTechno
Dashboard
Run History
Runs Summary
60%
success
40%
failure
0%
aborted
Run Durations
success
failure
aborted
0s
< 10s
< 30s
< 1m
< 3m
< 5m
< 10m
< 15m
< 1h
> 1h
Run Counts
Run Counts
success
failure
aborted
Counts
Time
May 12 16:20
May 12 19:06
May 12 21:53
May 13 00:40
May 13 03:26
May 13 06:13
May 13 09:00
May 13 11:46
May 13 14:33

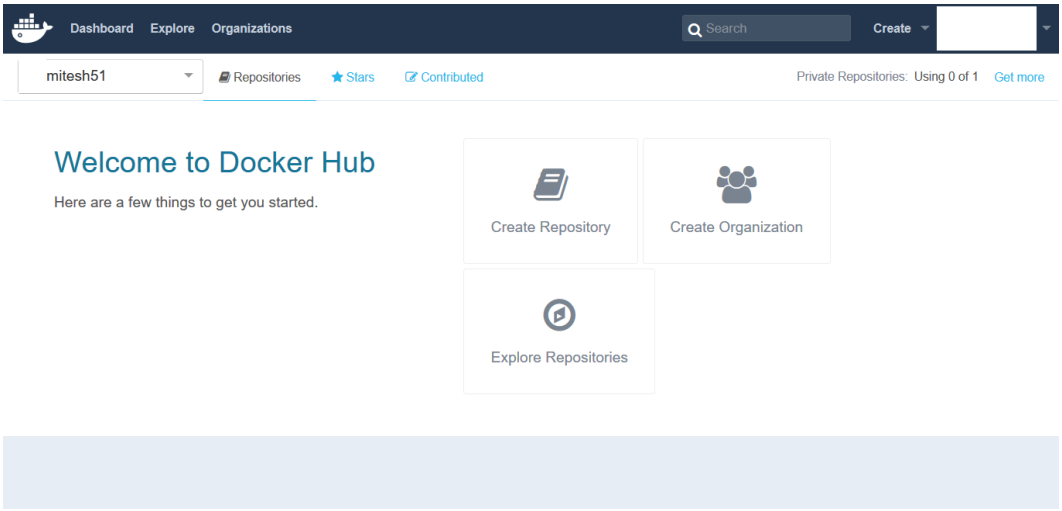
Chapter 5: Installing and Configuring Docker

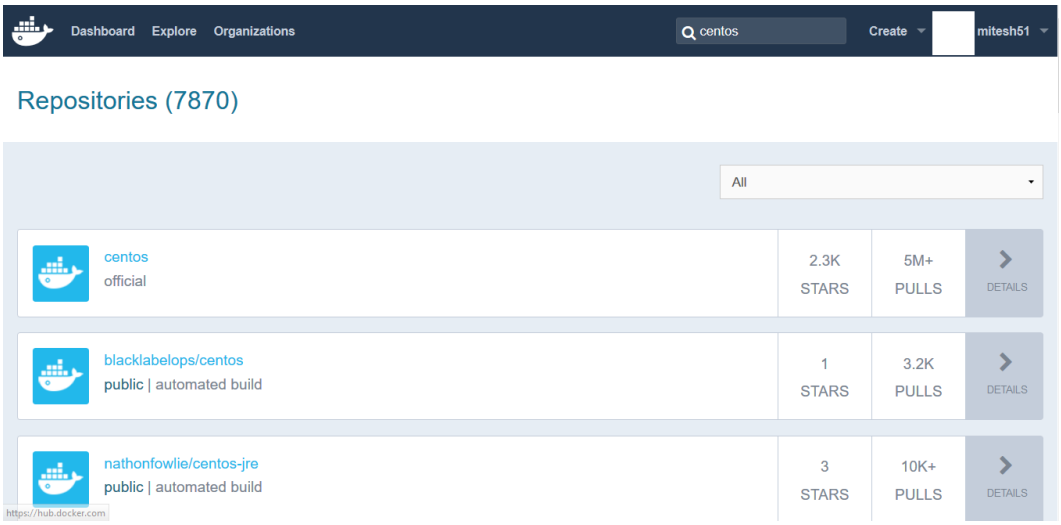


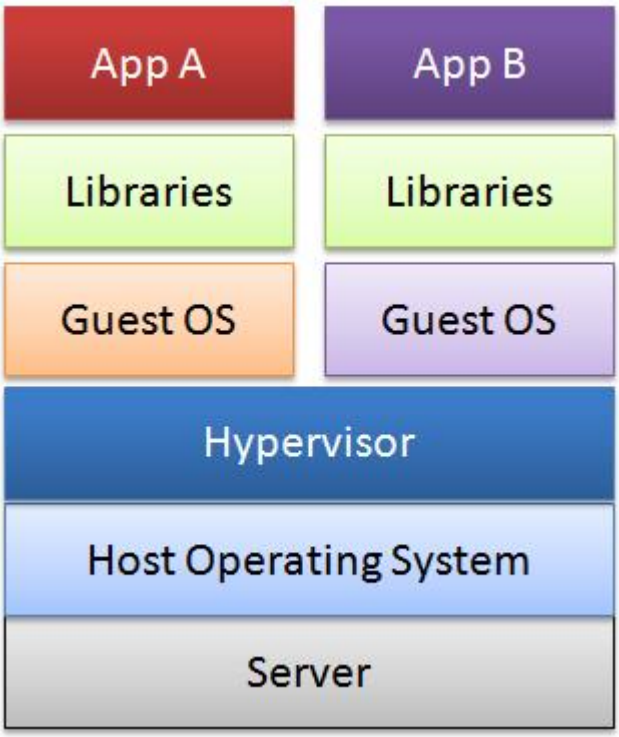


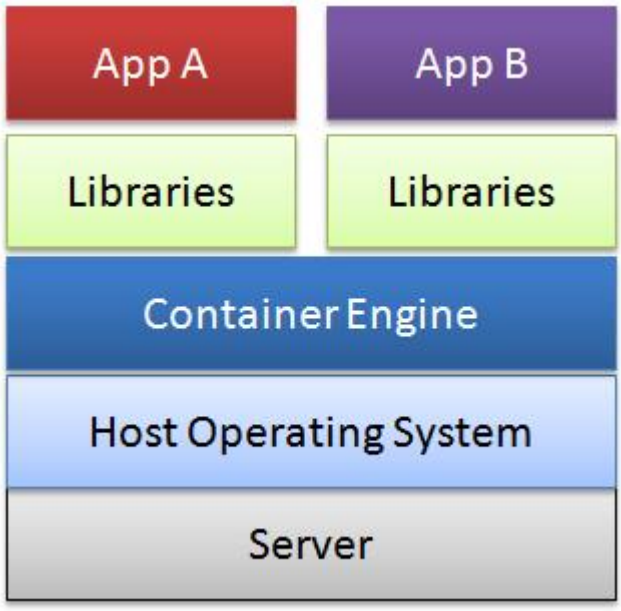

Explore
Help
Search
Log In
Build, Ship, & Run
Any App, Anywhere
Dev-test pipeline automation, 100,000+ free apps, public and private registries
Sweet! You're almost ready to go!
Please check your email to activate your account.

Welcome to Docker Hub
Login with your Docker ID
Log In
Can't Login? | Create Account


Dashboard
Explore
Organizations
Search
Create
mitesh51
Repositories
Stars
Contributed
Private Repositories: Using 0 of 1
Get more
Welcome to Docker Hub
Here are a few things to get you started.
Create Repository
Create Organization
Explore Repositories


Dashboard
Explore
Organizations
centos
Create
mitesh51
Repositories (7870)
All
centos
official
2.3K
STARS
5M+
PULLS
DETAILS
blacklabelops/centos
public | automated build
1
STARS
3.2K
PULLS
DETAILS
nathonfowlie/centos-jre
public | automated build
3
STARS
10K+
PULLS
DETAILS
https://hub.docker.com


App A
App B
Libraries
Libraries
Guest OS
Guest OS
Hypervisor
Host Operating System
Server



https://hub.docker.com/_/tomcat/

Supported tags and respective `Dockerfile` links

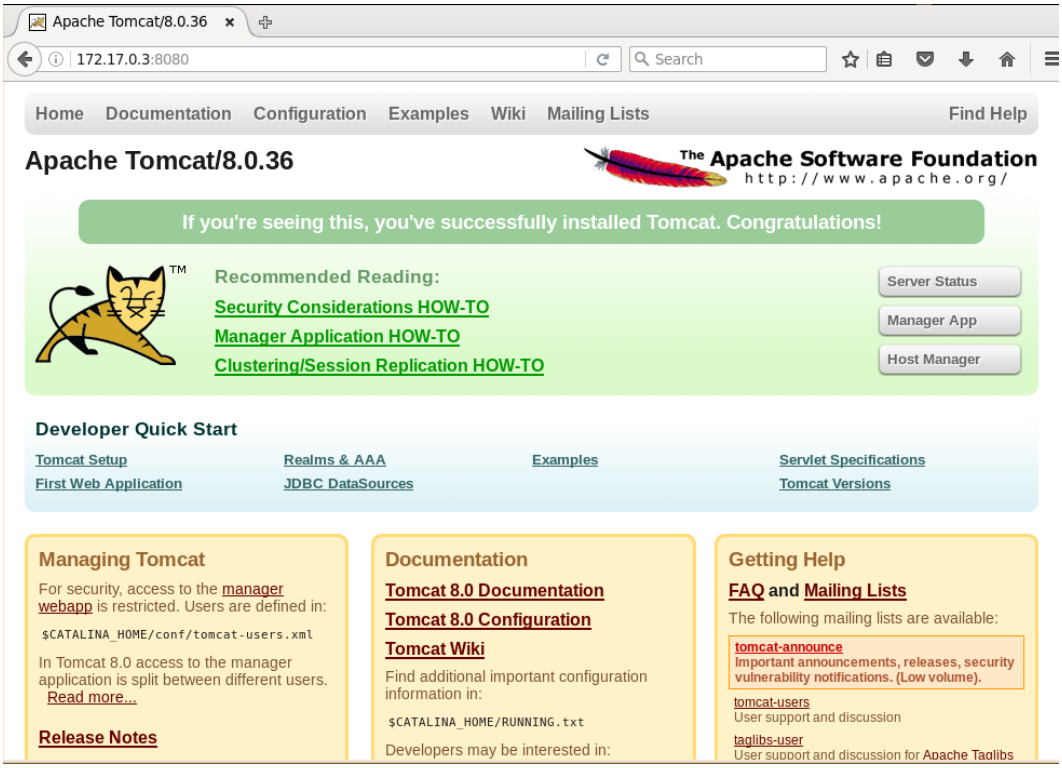
- `6.0.45-jre7`, `6.0-jre7`, `6-jre7`, `6.0.45`, `6.0`, `6` *(6/jre7/Dockerfile)*
- `6.0.45-jre8`, `6.0-jre8`, `6-jre8` *(6/jre8/Dockerfile)*
- `7.0.69-jre7`, `7.0-jre7`, `7-jre7`, `7.0.69`, `7.0`, `7` *(7/jre7/Dockerfile)*
- `7.0.69-jre8`, `7.0-jre8`, `7-jre8` *(7/jre8/Dockerfile)*
- `8.0.35-jre7`, `8.0-jre7`, `8-jre7`, `jre7`, `8.0.35`, `8.0`, `8`, `latest` *(8.0/jre7/Dockerfile)*
- `8.0.35-jre8`, `8.0-jre8`, `8-jre8`, `jre8` *(8.0/jre8/Dockerfile)*
- `8.5.2-jre8`, `8.5-jre8`, `8.5.2`, `8.5` *(8.5/jre8/Dockerfile)*
- `9.0.0.M6-jre8`, `9.0.0-jre8`, `9.0-jre8`, `9-jre8`, `9.0.0.M6`, `9.0.0`, `9.0`, `9` *(9.0/jre8/Dockerfile)*

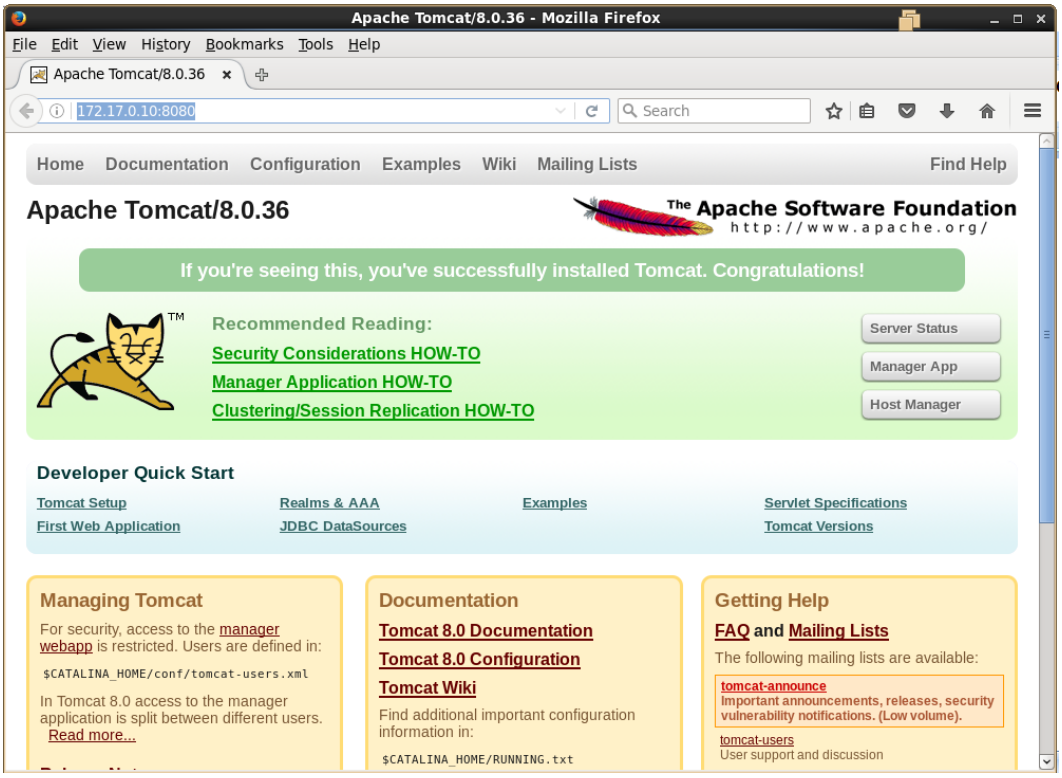
ImageLayers.io 0 B / 25 Layers

```
[root@localhost Desktop]# docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             VIRTUAL SIZE
centos              latest              2a332da70fd1        2 weeks ago         196.7 MB
ubuntu              latest              686477c12982        6 weeks ago         120.7 MB
hello-world         latest              f1d956dc5945        7 weeks ago         967 B
[root@localhost Desktop]# docker run -it tomcat bash
Unable to find image 'tomcat:latest' locally
latest: Pulling from tomcat

7d7852532044: Downloading [====================>                              ] 20.97 MB/51.35 MB
435cb21051b6: Download complete
4c76b3c13563: Download complete
35e170305690: Download complete
14fa7ed0654b: Download complete
02dec3806bda: Download complete
b50599b96e33: Download complete
ec7e4967fab4: Download complete
499b5c54f1ed: Download complete
cc5b39d4a8b7: Downloading [===========>                                       ] 18.37 MB/77.64 MB
290876b830ae: Download complete
30167fbc73d4: Download complete
3a80d45737ff: Download complete
d4c89486429f: Download complete
4513ebd4451d: Download complete
4d3f030833b5: Download complete
9b29824628e2: Download complete
91fa6d6b4e7a: Download complete
aa3cd4ef3986: Download complete
1e96877e40eb: Download complete
fa9f8e22fb74: Download complete
```

```
[root@localhost Desktop]# docker ps
CONTAINER ID        IMAGE               COMMAND             CREATED
STATUS              PORTS               NAMES
c3fbd72a1b35        tomcat:8.0          "catalina.sh run"   29 minutes ago
Up 29 minutes       8080/tcp            sad_pasteur
```

```
[root@localhost Desktop]# docker inspect c3fbd72a1b35
[
{
    "Id": "c3fbd72a1b35c6725606df726b5651cbd774b02d55bad6352c0e5205894b8b56",
    "Created": "2016-06-19T10:54:01.330825881Z",
    "Path": "catalina.sh",
    "Args": [
        "run"
    ],
    "State": {
        "Running": true,
        "Paused": false,
        "Restarting": false,
        "OOMKilled": false,
        "Dead": false,
        "Pid": 6293,
        "ExitCode": 0,
        "Error": "",
        "StartedAt": "2016-06-19T10:54:02.250775469Z",
        "FinishedAt": "0001-01-01T00:00:00Z"
    },
    "Image": "5d4577339b146f4e71ddb267812213bdc1a612eeb48a5f3c95f105b7894a4a73",
    "NetworkSettings": {
        "Bridge": "",
        "EndpointID": "a88792ad6a30316dbf8ad50c565d2c2c5951a040f4909f97418405142c7224e8",
        "Gateway": "172.17.42.1",
        "GlobalIPv6Address": "",
        "GlobalIPv6PrefixLen": 0,
        "HairpinMode": false,
        "IPAddress": "172.17.0.3",
```


Apache Tomcat/8.0.36
172.17.0.3:8080
Search
Home
Documentation
Configuration
Examples
Wiki
Mailing Lists
Find Help
Apache Tomcat/8.0.36
The Apache Software Foundation
http://www.apache.org/
If you're seeing this, you've successfully installed Tomcat. Congratulations!
Recommended Reading:
Security Considerations HOW-TO
Manager Application HOW-TO
Clustering/Session Replication HOW-TO
Server Status
Manager App
Host Manager
Developer Quick Start
Tomcat Setup
First Web Application
Realms & AAA
JDBC DataSources
Examples
Servlet Specifications
Tomcat Versions
Managing Tomcat
For security, access to the manager webapp is restricted. Users are defined in:
$CATALINA_HOME/conf/tomcat-users.xml
In Tomcat 8.0 access to the manager application is split between different users.
Read more...
Release Notes
Documentation
Tomcat 8.0 Documentation
Tomcat 8.0 Configuration
Tomcat Wiki
Find additional important configuration information in:
$CATALINA_HOME/RUNNING.txt
Developers may be interested in:
Getting Help
FAQ and Mailing Lists
The following mailing lists are available:
tomcat-announce
Important announcements, releases, security vulnerability notifications. (Low volume).
tomcat-users
User support and discussion
taglibs-user
User support and discussion for Apache Taglibs


Apache Tomcat/8.0.36 - Mozilla Firefox
File Edit View History Bookmarks Tools Help
Apache Tomcat/8.0.36
172.17.0.10:8080
Search
Home Documentation Configuration Examples Wiki Mailing Lists Find Help
Apache Tomcat/8.0.36
The Apache Software Foundation
http://www.apache.org/
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Server Status
Manager App
Host Manager
Developer Quick Start
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The following mailing lists are available:
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Important announcements, releases, security vulnerability notifications. (Low volume).
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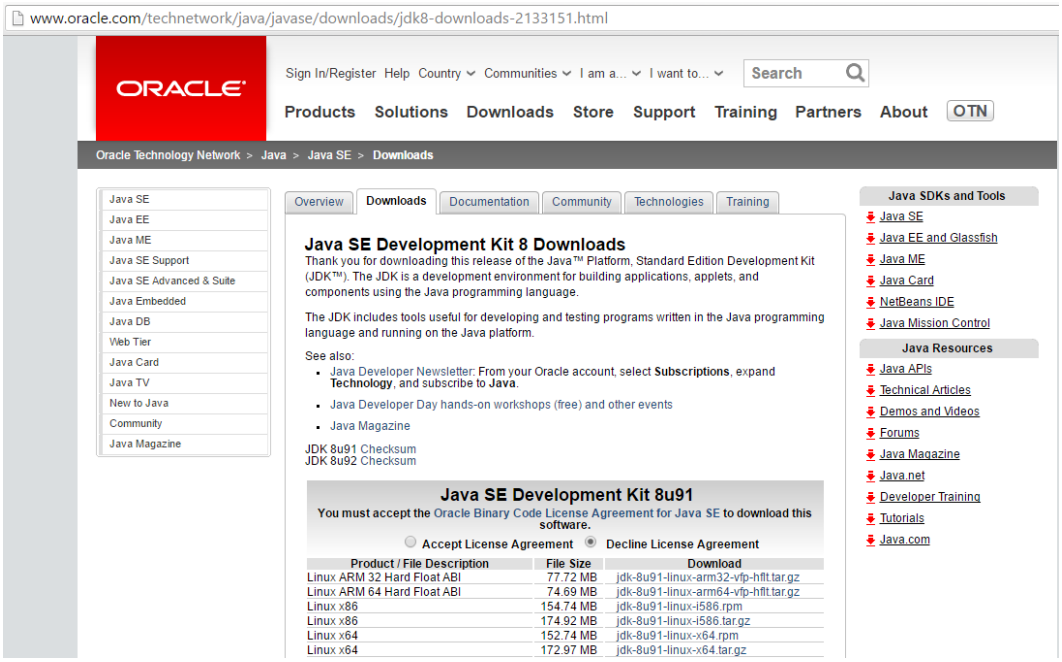
User support and discussion


www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html
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Sign In/Register Help Country Communities I am a... I want to... Search
Products Solutions Downloads Store Support Training Partners About OTN
Oracle Technology Network > Java > Java SE > Downloads
Java SE
Java EE
Java ME
Java SE Support
Java SE Advanced & Suite
Java Embedded
Java DB
Web Tier
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New to Java
Community
Java Magazine
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Java SE Development Kit 8 Downloads
Thank you for downloading this release of the Java™ Platform, Standard Edition Development Kit (JDK™). The JDK is a development environment for building applications, applets, and components using the Java programming language.
The JDK includes tools useful for developing and testing programs written in the Java programming language and running on the Java platform.
See also:
Java Developer Newsletter: From your Oracle account, select Subscriptions, expand Technology, and subscribe to Java.
Java Developer Day hands-on workshops (free) and other events
Java Magazine
JDK 8u91 Checksum
JDK 8u92 Checksum
Java SE Development Kit 8u91
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Accept License Agreement Decline License Agreement
Product / File Description File Size Download
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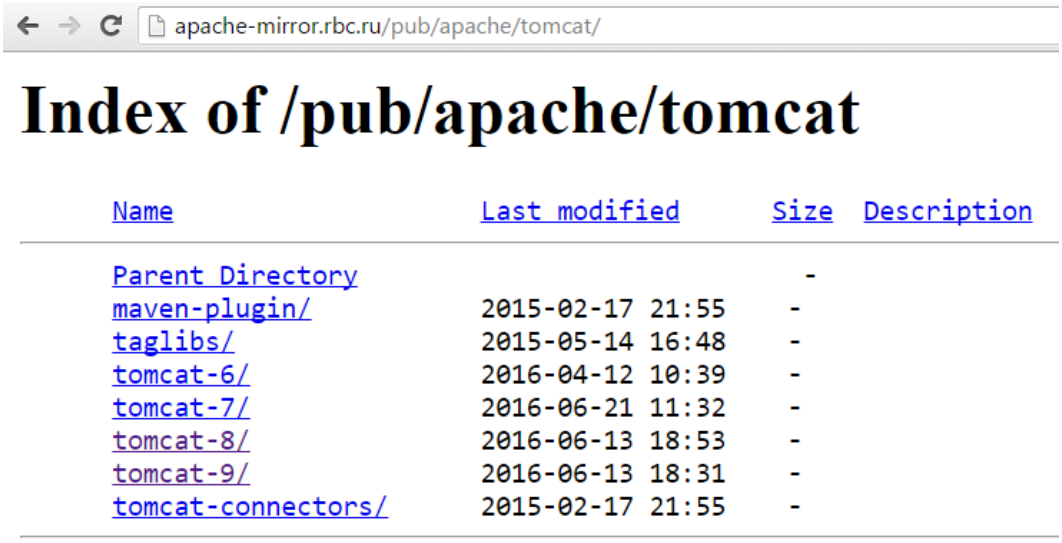
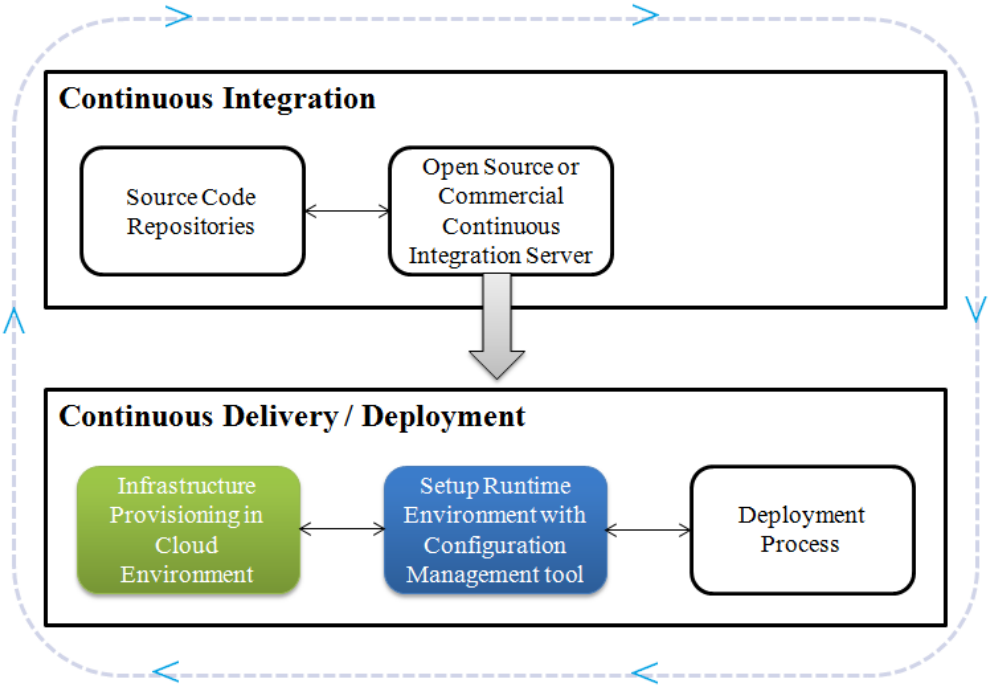
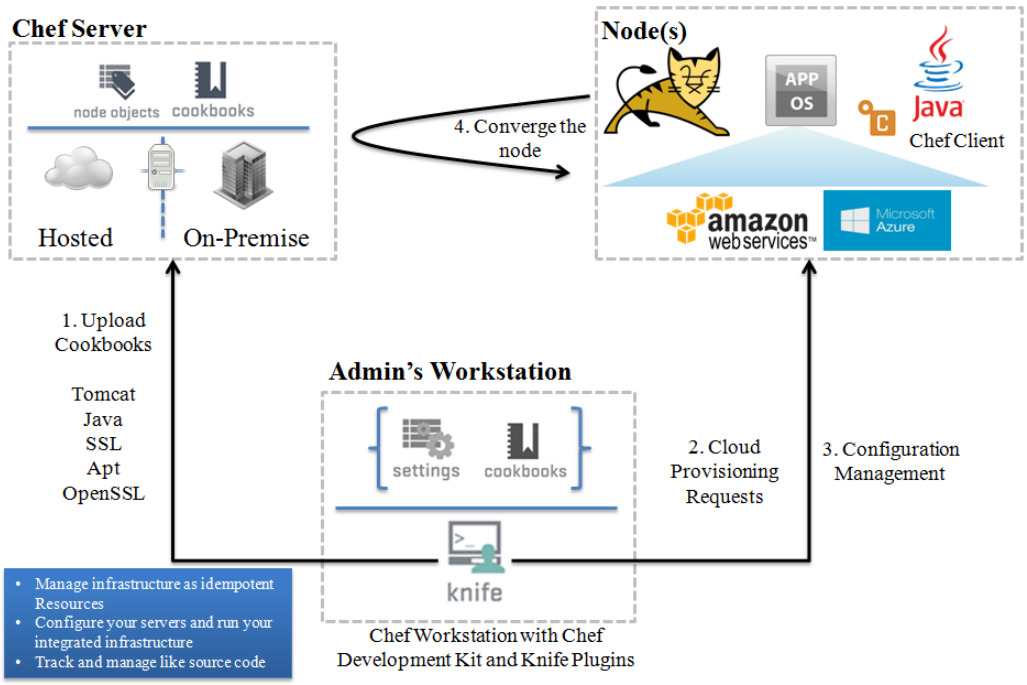
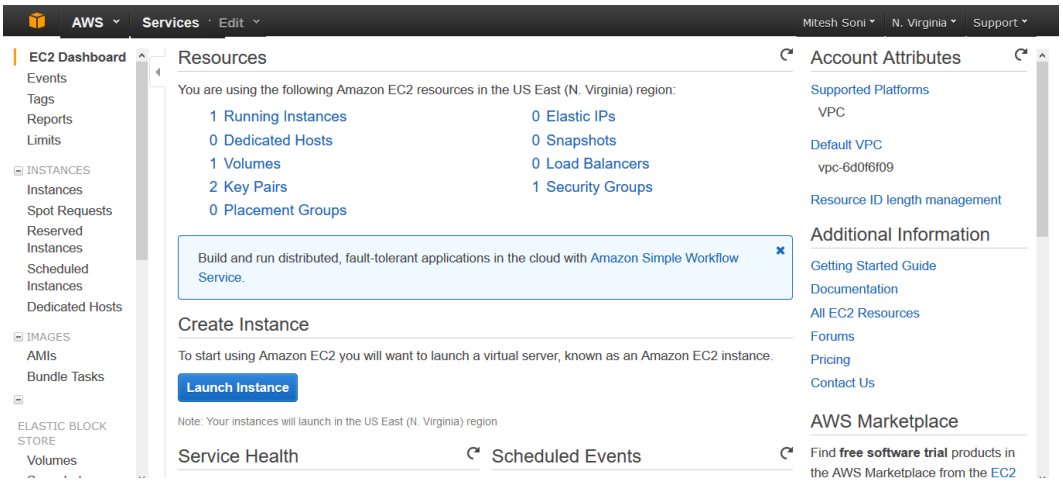
Linux x86 154.74 MB jdk-8u91-linux-i586.rpm
Linux x86 174.92 MB jdk-8u91-linux-i586.tar.gz
Linux x64 152.74 MB jdk-8u91-linux-x64.rpm
Linux x64 172.97 MB jdk-8u91-linux-x64.tar.gz
Java SDKs and Tools
Java SE
Java EE and Glassfish
Java ME
Java Card
NetBeans IDE
Java Mission Control
Java Resources
Java APIs
Technical Articles
Demos and Videos
Forums
Java Magazine
Java.net
Developer Training
Tutorials
Java.com

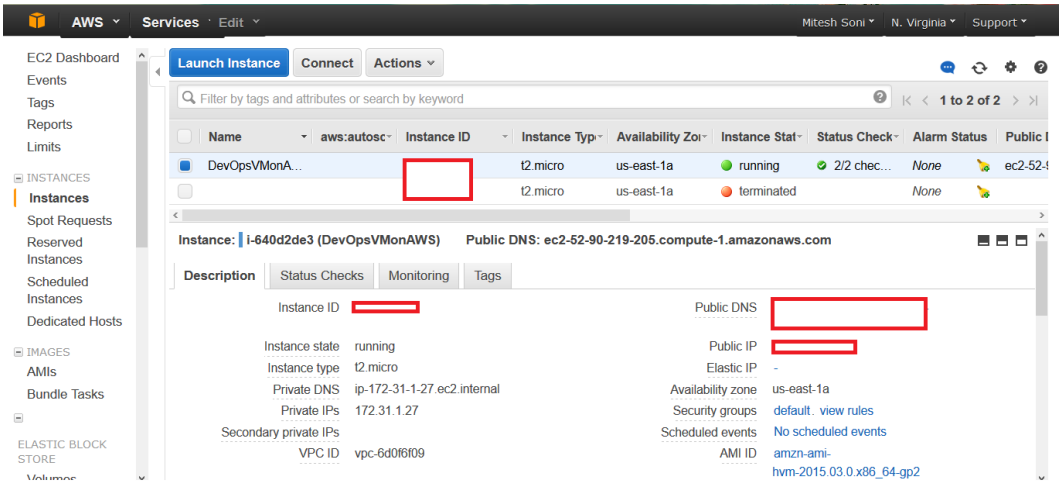

apache-mirror.rbc.ru/pub/apache/tomcat/
Index of /pub/apache/tomcat
Name Last modified Size Description
Parent Directory -
maven-plugin/ 2015-02-17 21:55 -
taglibs/ 2015-05-14 16:48 -
tomcat-6/ 2016-04-12 10:39 -
tomcat-7/ 2016-06-21 11:32 -
tomcat-8/ 2016-06-13 18:53 -
tomcat-9/ 2016-06-13 18:31 -
tomcat-connectors/ 2015-02-17 21:55 -

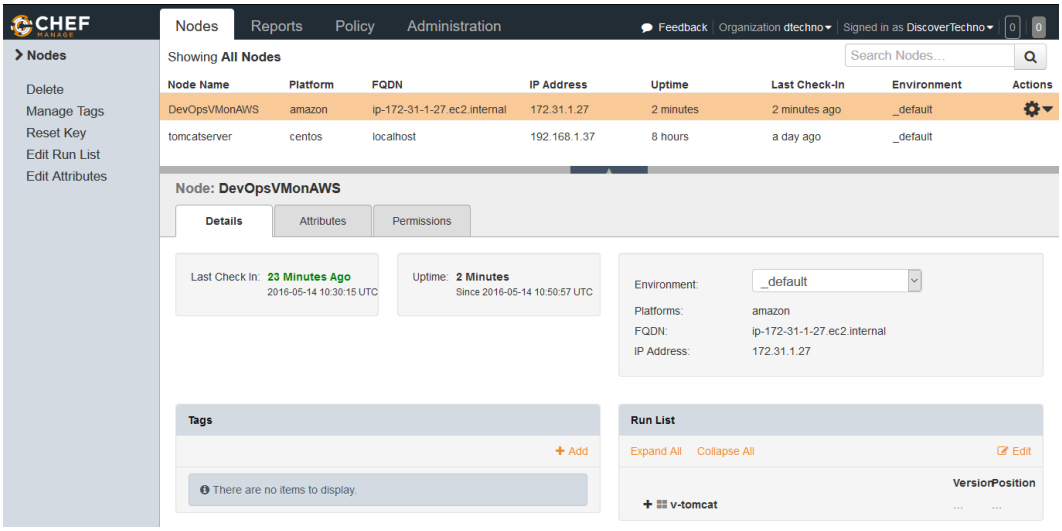
Chapter 6: Cloud Provisioning and Configuration Management with Chef

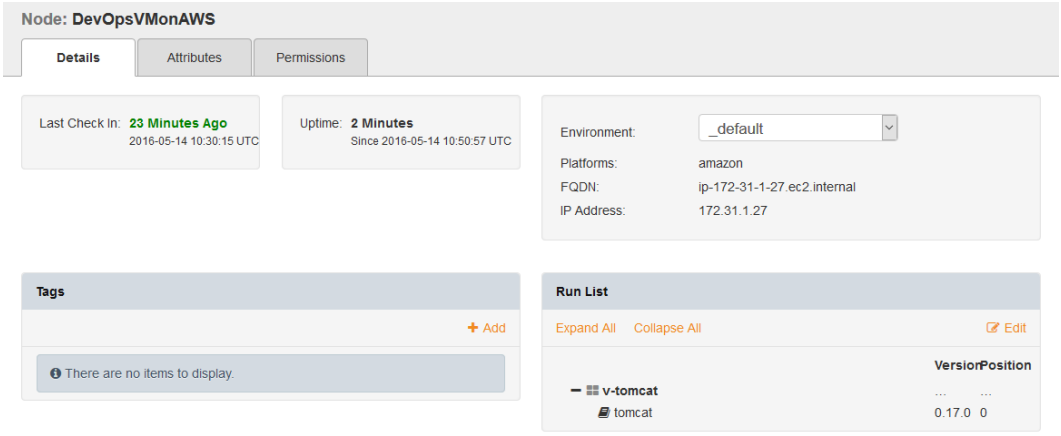


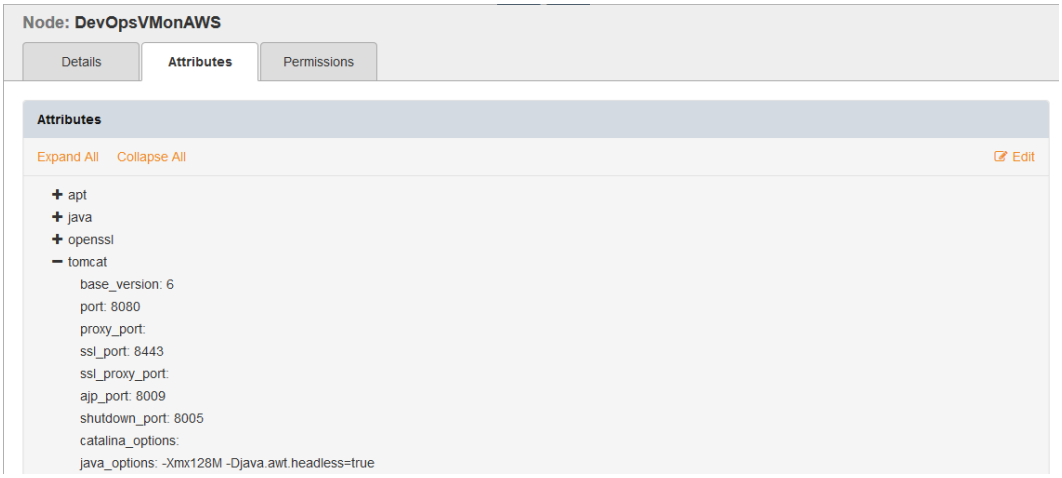

Chef Server
node objects
cookbooks
Hosted
On-Premise
4. Converge the node
Node(s)
APP
OS
Java
Chef Client
amazon web services
Microsoft Azure
1. Upload Cookbooks
Tomcat
Java
SSL
Apt
OpenSSL
Admin's Workstation
settings
cookbooks
knife
2. Cloud Provisioning Requests
3. Configuration Management
Manage infrastructure as idempotent Resources
Configure your servers and run your integrated infrastructure
Track and manage like source code
Chef Workstation with Chef Development Kit and Knife Plugins

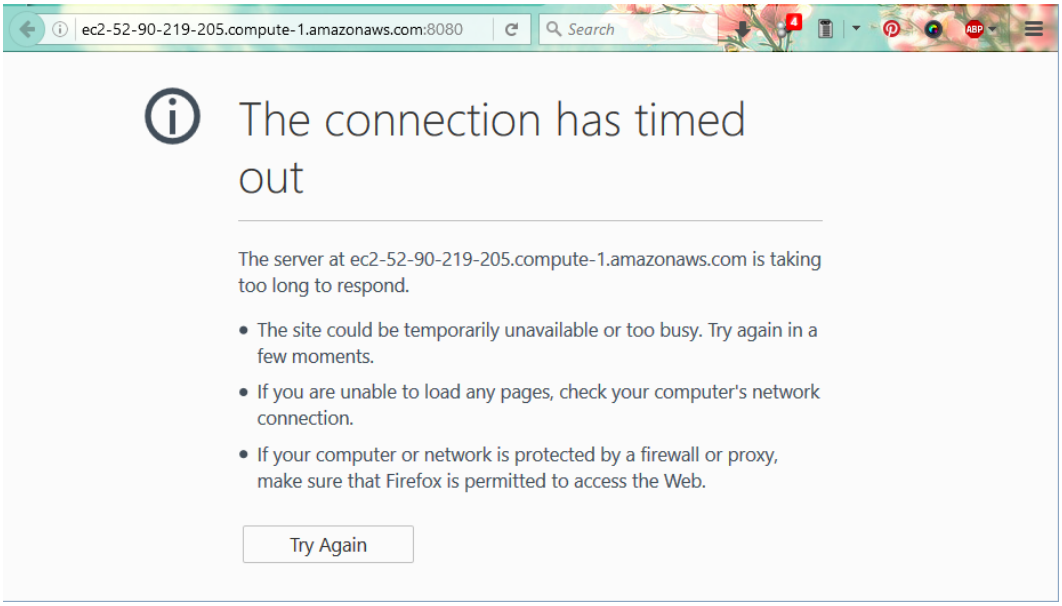

AWS
Services
Edit
Mitesh Soni
N. Virginia
Support
EC2 Dashboard
Events
Tags
Reports
Limits
INSTANCES
Instances
Spot Requests
Reserved Instances
Scheduled Instances
Dedicated Hosts
IMAGES
AMIs
Bundle Tasks
ELASTIC BLOCK STORE
Volumes
Resources
You are using the following Amazon EC2 resources in the US East (N. Virginia) region:
1 Running Instances
0 Dedicated Hosts
1 Volumes
2 Key Pairs
0 Placement Groups
0 Elastic IPs
0 Snapshots
0 Load Balancers
1 Security Groups
Build and run distributed, fault-tolerant applications in the cloud with Amazon Simple Workflow Service.
Create Instance
To start using Amazon EC2 you will want to launch a virtual server, known as an Amazon EC2 instance.
Launch Instance
Note: Your instances will launch in the US East (N. Virginia) region
Service Health
Scheduled Events
Account Attributes
Supported Platforms
VPC
Default VPC
vpc-6d0f6f09
Resource ID length management
Additional Information
Getting Started Guide
Documentation
All EC2 Resources
Forums
Pricing
Contact Us
AWS Marketplace
Find free software trial products in the AWS Marketplace from the EC2

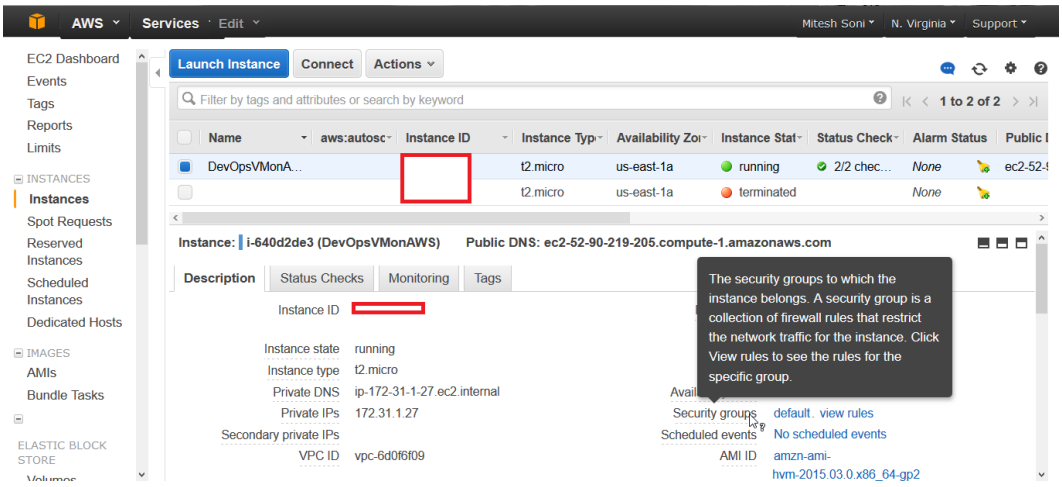

AWS
Services
Edit
Mitesh Soni
N. Virginia
Support
EC2 Dashboard
Events
Tags
Reports
Limits
INSTANCES
Instances
Spot Requests
Reserved Instances
Scheduled Instances
Dedicated Hosts
IMAGES
AMIs
Bundle Tasks
ELASTIC BLOCK STORE
Launch Instance
Connect
Actions
Filter by tags and attributes or search by keyword
1 to 2 of 2
Name
aws:autosc
Instance ID
Instance Typ
Availability Zo
Instance Stat
Status Check
Alarm Status
Public I
DevOpsVMonA...
t2.micro
us-east-1a
running
2/2 chec...
None
ec2-52-9
t2.micro
us-east-1a
terminated
None
Instance: i-640d2de3 (DevOpsVMonAWS)
Public DNS: ec2-52-90-219-205.compute-1.amazonaws.com
Description
Status Checks
Monitoring
Tags
Instance ID
Instance state
running
Instance type
t2.micro
Private DNS
ip-172-31-1-27.ec2.internal
Private IPs
172.31.1.27
Secondary private IPs
VPC ID
vpc-6d0f6f09
Public DNS
Public IP
Elastic IP
-
Availability zone
us-east-1a
Security groups
default. view rules
Scheduled events
No scheduled events
AMI ID
amzn-ami-hvm-2015.03.0.x86_64-gp2


CHEF
MANAGE
Nodes
Reports
Policy
Administration
Feedback
Organization dtechno
Signed in as DiscoverTechno
Nodes
Delete
Manage Tags
Reset Key
Edit Run List
Edit Attributes
Showing All Nodes
Search Nodes...
Node Name
Platform
FQDN
IP Address
Uptime
Last Check-In
Environment
Actions
DevOpsVMonAWS
amazon
ip-172-31-1-27.ec2.internal
172.31.1.27
2 minutes
2 minutes ago
_default
tomcatserver
centos
localhost
192.168.1.37
8 hours
a day ago
_default
Node: DevOpsVMonAWS
Details
Attributes
Permissions
Last Check In: 23 Minutes Ago
2016-05-14 10:30:15 UTC
Uptime: 2 Minutes
Since 2016-05-14 10:50:57 UTC
Environment:
_default
Platforms:
amazon
FQDN:
ip-172-31-1-27.ec2.internal
IP Address:
172.31.1.27
Tags
Add
There are no items to display.
Run List
Expand All
Collapse All
Edit
VersionPosition
v-tomcat


Node: DevOpsVMonAWS
Details
Attributes
Permissions
Last Check In: 23 Minutes Ago
2016-05-14 10:30:15 UTC
Uptime: 2 Minutes
Since 2016-05-14 10:50:57 UTC
Environment: _default
Platforms: amazon
FQDN: ip-172-31-1-27.ec2.internal
IP Address: 172.31.1.27
Tags
+ Add
There are no items to display.
Run List
Expand All
Collapse All
Edit
Version
Position
v-tomcat
tomcat
0.17.0
0


Node: DevOpsVMonAWS
Details
Attributes
Permissions
Attributes
Expand All
Collapse All
Edit
+ apt
+ java
+ openssl
− tomcat
base_version: 6
port: 8080
proxy_port:
ssl_port: 8443
ssl_proxy_port:
ajp_port: 8009
shutdown_port: 8005
catalina_options:
java_options: -Xmx128M -Djava.awt.headless=true


ec2-52-90-219-205.compute-1.amazonaws.com:8080
Search
The connection has timed out
The server at ec2-52-90-219-205.compute-1.amazonaws.com is taking too long to respond.
The site could be temporarily unavailable or too busy. Try again in a few moments.
If you are unable to load any pages, check your computer's network connection.
If your computer or network is protected by a firewall or proxy, make sure that Firefox is permitted to access the Web.
Try Again


AWS
Services
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Mitesh Soni
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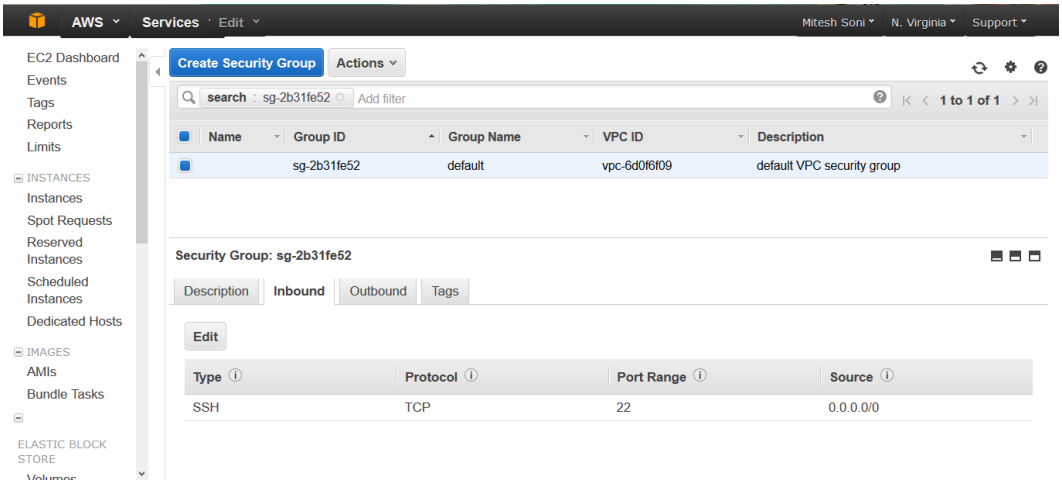
Launch Instance
Connect
Actions
Filter by tags and attributes or search by keyword
1 to 2 of 2
Name
aws:autosc
Instance ID
Instance Typ
Availability Zoi
Instance Stat
Status Check
Alarm Status
DevOpsVMonA...
t2.micro
us-east-1a
running
2/2 chec...
None
t2.micro
us-east-1a
terminated
None
Instance: i-640d2de3 (DevOpsVMonAWS)
Public DNS: ec2-52-90-219-205.compute-1.amazonaws.com
Description
Status Checks
Monitoring
Tags
Instance ID
Instance state
running
Instance type
t2.micro
Private DNS
ip-172-31-1-27.ec2.internal
Private IPs
172.31.1.27
Secondary private IPs
VPC ID
vpc-6d0f6f09
Security groups
default. view rules
Scheduled events
No scheduled events
AMI ID
amzn-ami-hvm-2015.03.0.x86_64-gp2
The security groups to which the instance belongs. A security group is a collection of firewall rules that restrict the network traffic for the instance. Click View rules to see the rules for the specific group.


AWS
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Mitesh Soni
N. Virginia
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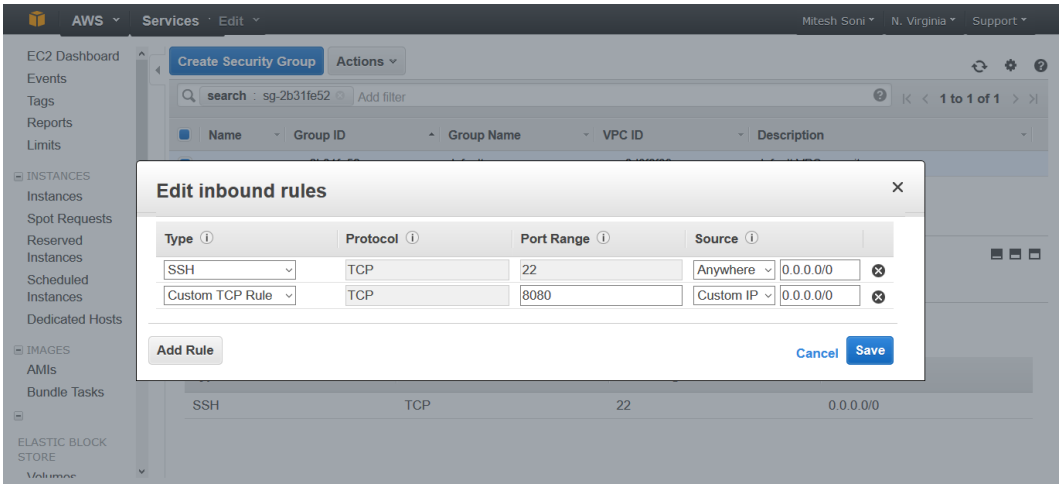
EC2 Dashboard
Events
Tags
Reports
Limits
INSTANCES
Instances
Spot Requests
Reserved Instances
Scheduled Instances
Dedicated Hosts
IMAGES
AMIs
Bundle Tasks
ELASTIC BLOCK STORE
Create Security Group
Actions
search : sg-2b31fe52
Add filter
1 to 1 of 1
Name
Group ID
Group Name
VPC ID
Description
sg-2b31fe52
default
vpc-6d0f6f09
default VPC security group
Security Group: sg-2b31fe52
Description
Inbound
Outbound
Tags
Edit
Type
Protocol
Port Range
Source
SSH
TCP
22
0.0.0.0/0


AWS
Services
Edit
Mitesh Soni
N. Virginia
Support
Create Security Group
Actions
search : sg-2b31fe52
Add filter
1 to 1 of 1
Edit inbound rules
Type
Protocol
Port Range
Source
SSH
TCP
22
Anywhere
0.0.0.0/0
Custom TCP Rule
TCP
8080
Custom IP
0.0.0.0/0
Add Rule
Cancel
Save

Microsoft Azure

Your subscription file is being generated, and the download will begin shortly.

This file contains secure credentials and additional information about subscriptions that you can use in your development environment. Click here if the download does not start automatically.

1 Sign up for Windows Azure preview features

Sign up for Windows Azure preview features that you are interested in.

2 Save a local copy of the publishSettings file

Warning This file contains an encoded management certificate. It serves as your credentials to administer your subscriptions and related services. Store this file in a secure location or delete it after you use it.

3 Import the publishSettings file

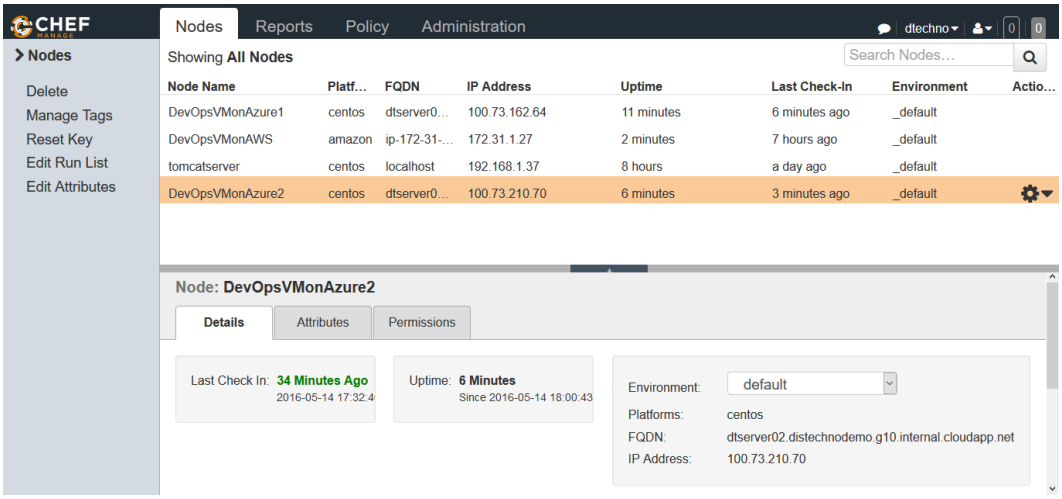
Run the following command

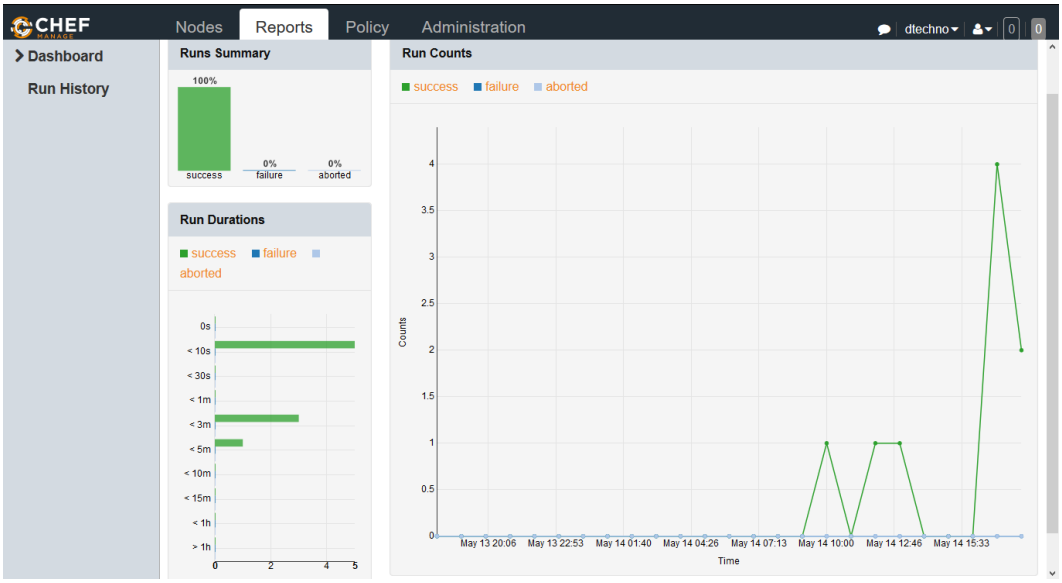
```
azure account import
```

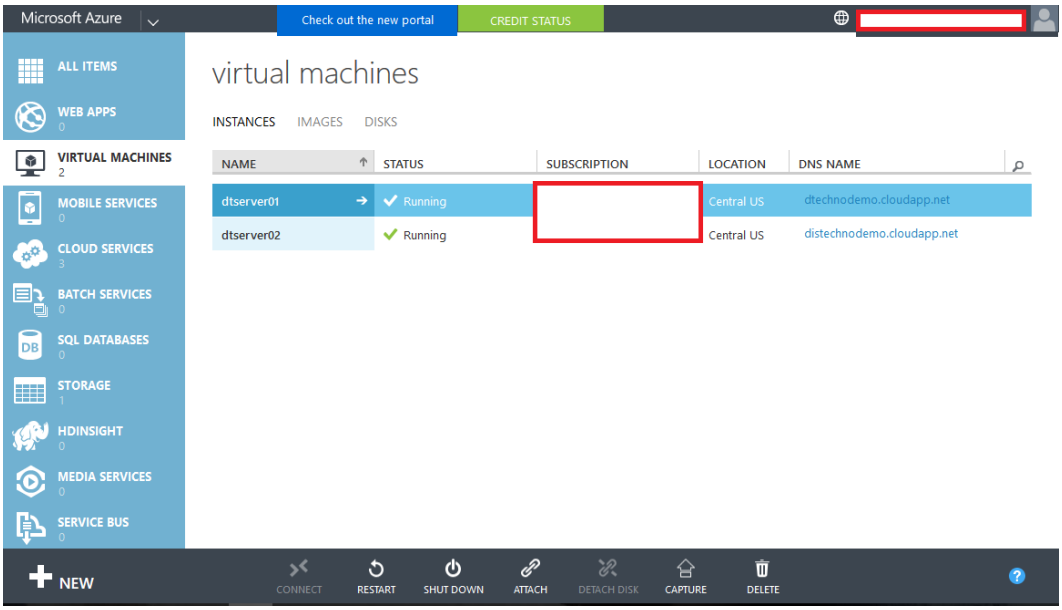
4 Create a new Web app

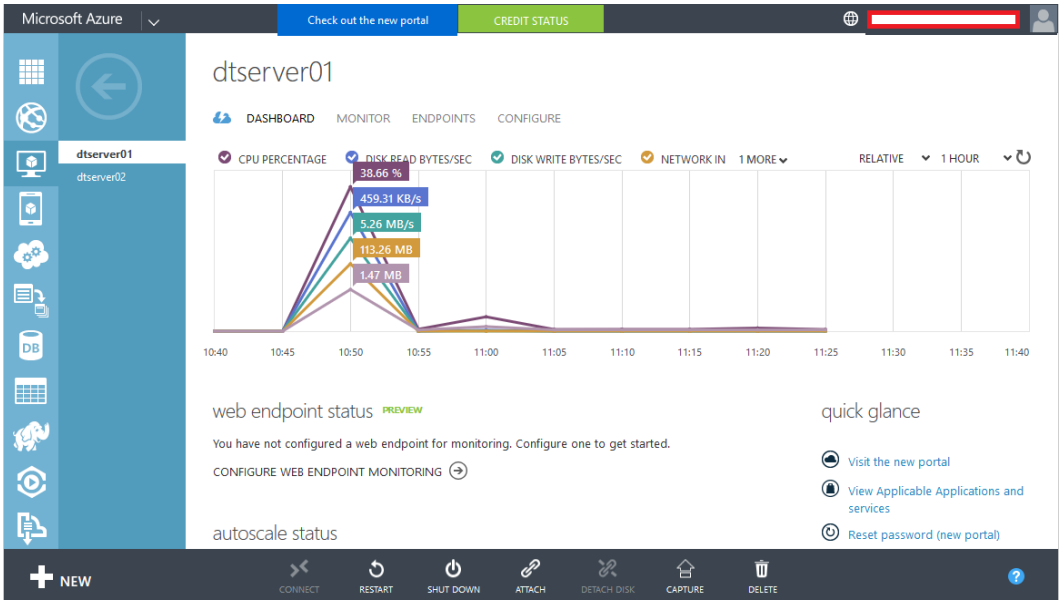
Run the following Azure PowerShell command to create a new web app that is initialized with a Git repository

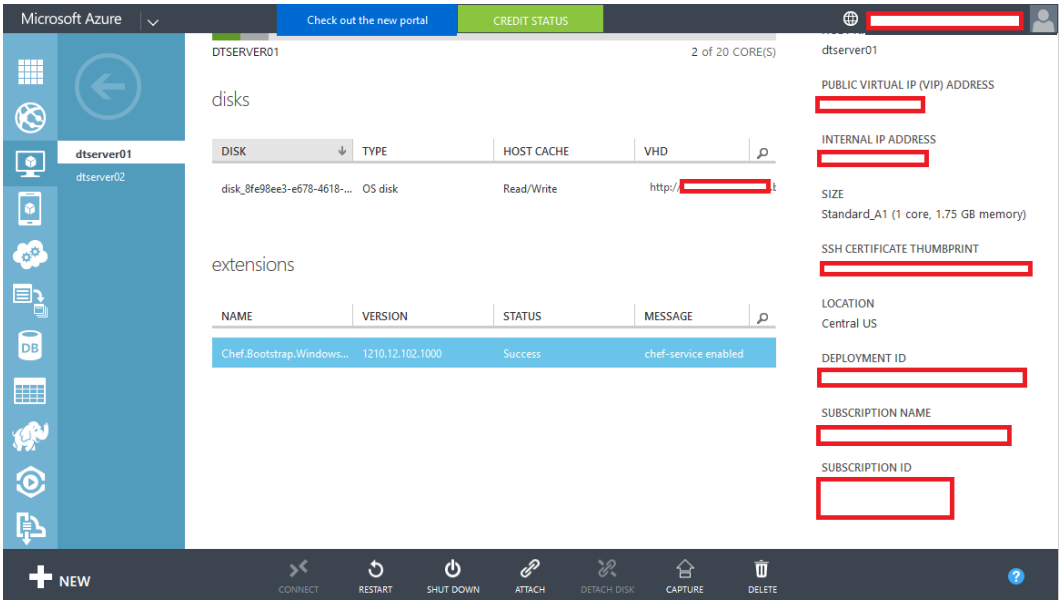
```
azure site create  --git
```

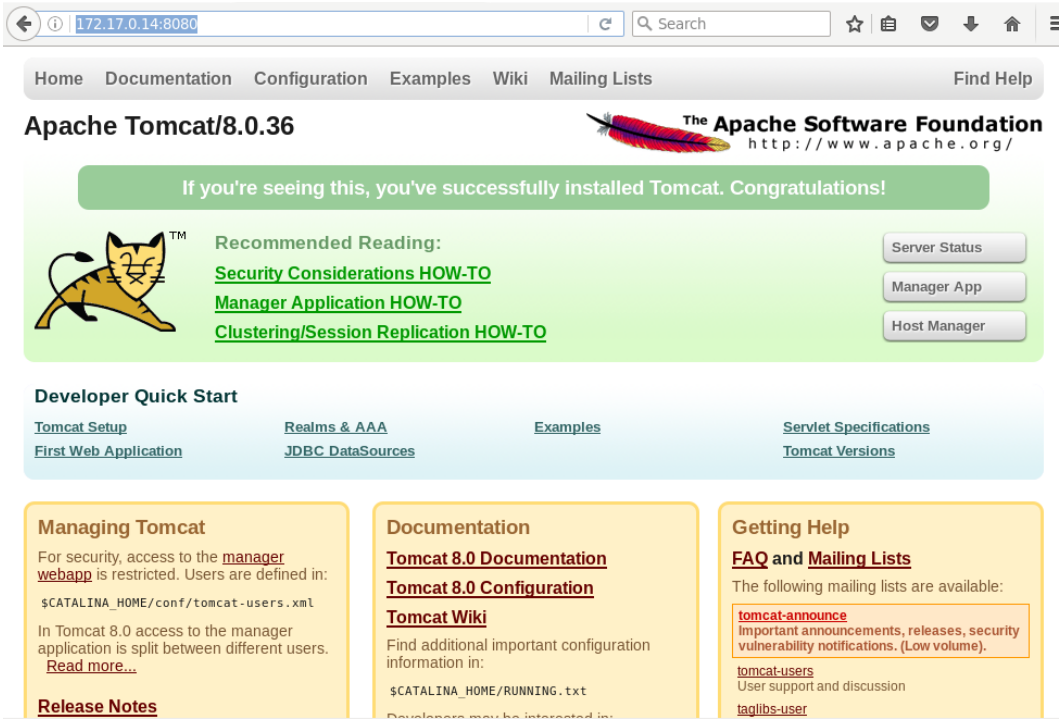


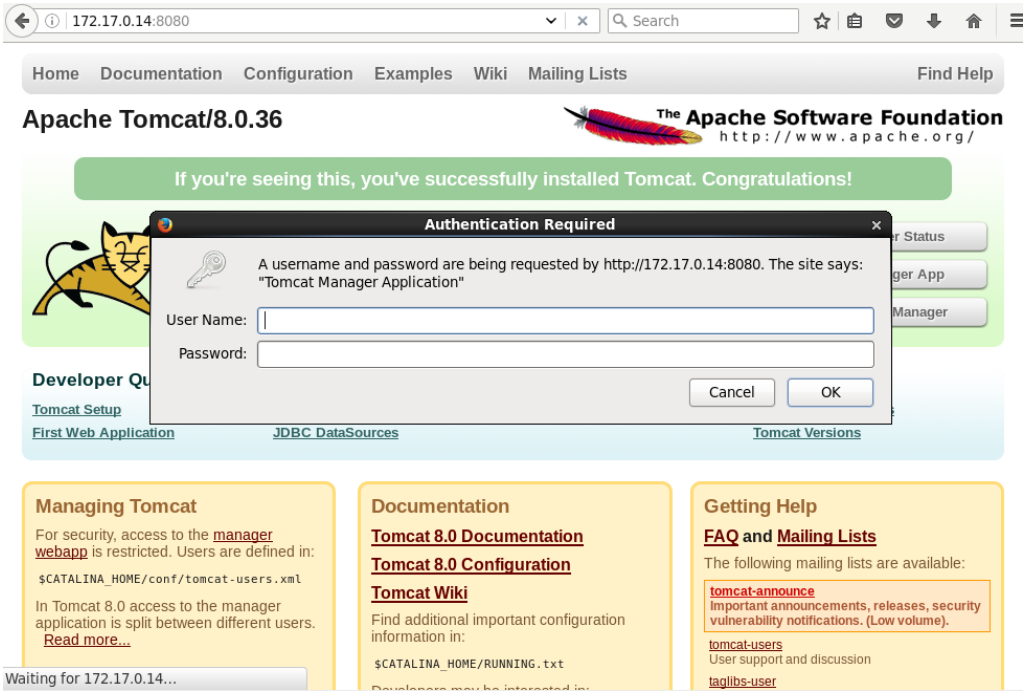

CHEF
Nodes
Reports
Policy
Administration
dtechno
Dashboard
Run History
Runs Summary
100%
success
0%
failure
0%
aborted
Run Durations
success
failure
aborted
0s
< 10s
< 30s
< 1m
< 3m
< 5m
< 10m
< 15m
< 1h
> 1h
0
2
4
5
Run Counts
success
failure
aborted
Counts
4
3.5
3
2.5
2
1.5
1
0.5
0
May 13 20:06
May 13 22:53
May 14 01:40
May 14 04:26
May 14 07:13
May 14 10:00
May 14 12:46
May 14 15:33
Time


Microsoft Azure
Check out the new portal
CREDIT STATUS
ALL ITEMS
WEB APPS
0
VIRTUAL MACHINES
2
MOBILE SERVICES
0
CLOUD SERVICES
3
BATCH SERVICES
0
SQL DATABASES
0
STORAGE
1
HDINSIGHT
0
MEDIA SERVICES
0
SERVICE BUS
0
virtual machines
INSTANCES
IMAGES
DISKS
NAME
STATUS
SUBSCRIPTION
LOCATION
DNS NAME
dtserver01
Running
Central US
dtechnodemo.cloudapp.net
dtserver02
Running
Central US
distechnodemo.cloudapp.net
NEW
CONNECT
RESTART
SHUT DOWN
ATTACH
DETACH DISK
CAPTURE
DELETE


Microsoft Azure
Check out the new portal
CREDIT STATUS
dtserver01
DASHBOARD
MONITOR
ENDPOINTS
CONFIGURE
dtserver01
dtserver02
CPU PERCENTAGE
DISK READ BYTES/SEC
DISK WRITE BYTES/SEC
NETWORK IN
1 MORE
RELATIVE
1 HOUR
38.66 %
459.31 KB/s
5.26 MB/s
113.26 MB
1.47 MB
10:40
10:45
10:50
10:55
11:00
11:05
11:10
11:15
11:20
11:25
11:30
11:35
11:40
web endpoint status
PREVIEW
You have not configured a web endpoint for monitoring. Configure one to get started.
CONFIGURE WEB ENDPOINT MONITORING
autoscale status
quick glance
Visit the new portal
View Applicable Applications and services
Reset password (new portal)
NEW
CONNECT
RESTART
SHUT DOWN
ATTACH
DETACH DISK
CAPTURE
DELETE


Microsoft Azure
Check out the new portal
CREDIT STATUS
DTSERVER01
2 of 20 CORE(S)
dtserver01
dtserver02
disks
DISK
TYPE
HOST CACHE
VHD
disk_8fe98ee3-e678-4618-...
OS disk
Read/Write
http://
extensions
NAME
VERSION
STATUS
MESSAGE
Chef.Bootstrap.Windows...
1210.12.102.1000
Success
chef-service enabled
dtserver01
PUBLIC VIRTUAL IP (VIP) ADDRESS
INTERNAL IP ADDRESS
SIZE
Standard_A1 (1 core, 1.75 GB memory)
SSH CERTIFICATE THUMBPRINT
LOCATION
Central US
DEPLOYMENT ID
SUBSCRIPTION NAME
SUBSCRIPTION ID
NEW
CONNECT
RESTART
SHUT DOWN
ATTACH
DETACH DISK
CAPTURE
DELETE


172.17.0.14:8080
Search
Home
Documentation
Configuration
Examples
Wiki
Mailing Lists
Find Help
Apache Tomcat/8.0.36
The Apache Software Foundation
http://www.apache.org/
If you're seeing this, you've successfully installed Tomcat. Congratulations!
Recommended Reading:
Security Considerations HOW-TO
Manager Application HOW-TO
Clustering/Session Replication HOW-TO
Server Status
Manager App
Host Manager
Developer Quick Start
Tomcat Setup
First Web Application
Realms & AAA
JDBC DataSources
Examples
Servlet Specifications
Tomcat Versions
Managing Tomcat
For security, access to the manager webapp is restricted. Users are defined in:
$CATALINA_HOME/conf/tomcat-users.xml
In Tomcat 8.0 access to the manager application is split between different users.
Read more...
Release Notes
Documentation
Tomcat 8.0 Documentation
Tomcat 8.0 Configuration
Tomcat Wiki
Find additional important configuration information in:
$CATALINA_HOME/RUNNING.txt
Getting Help
FAQ and Mailing Lists
The following mailing lists are available:
tomcat-announce
Important announcements, releases, security vulnerability notifications. (Low volume).
tomcat-users
User support and discussion
taglibs-user


172.17.0.14:8080
Search
Home
Documentation
Configuration
Examples
Wiki
Mailing Lists
Find Help
Apache Tomcat/8.0.36
The Apache Software Foundation
http://www.apache.org/
If you're seeing this, you've successfully installed Tomcat. Congratulations!
Authentication Required
A username and password are being requested by http://172.17.0.14:8080. The site says: "Tomcat Manager Application"
User Name:
Password:
Cancel
OK
Developer Qu
Tomcat Setup
First Web Application
JDBC DataSources
Tomcat Versions
Managing Tomcat
For security, access to the manager webapp is restricted. Users are defined in:
$CATALINA_HOME/conf/tomcat-users.xml
In Tomcat 8.0 access to the manager application is split between different users.
Read more...
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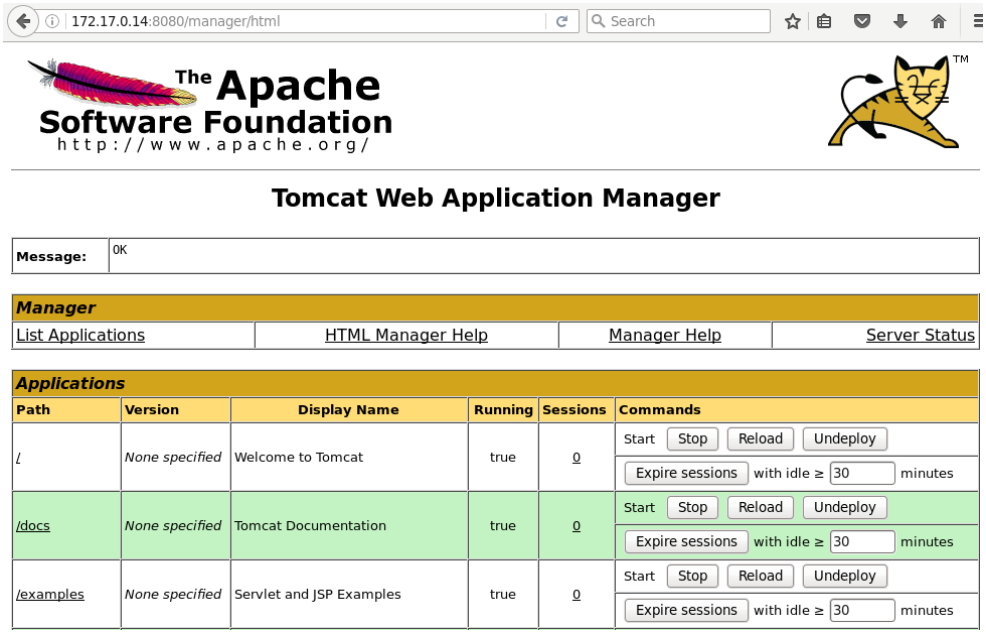
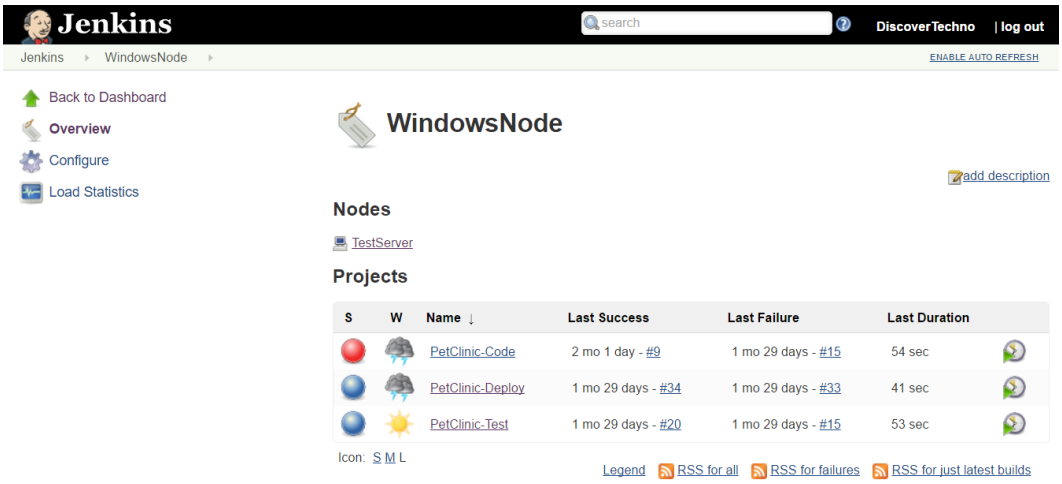
Tomcat 8.0 Documentation
Tomcat 8.0 Configuration
Tomcat Wiki
Find additional important configuration information in:
$CATALINA_HOME/RUNNING.txt
Getting Help
FAQ and Mailing Lists
The following mailing lists are available:
tomcat-announce
Important announcements, releases, security vulnerability notifications. (Low volume).
tomcat-users
User support and discussion
taglibs-user
Waiting for 172.17.0.14...


172.17.0.14:8080/manager/html
Search
The Apache Software Foundation
http://www.apache.org/
Tomcat Web Application Manager
Message: OK
Manager
List Applications
HTML Manager Help
Manager Help
Server Status
Applications
Path
Version
Display Name
Running
Sessions
Commands
/
None specified
Welcome to Tomcat
true
0
Start Stop Reload Undeploy
Expire sessions with idle ≥ 30 minutes
/docs
None specified
Tomcat Documentation
true
0
Start Stop Reload Undeploy
Expire sessions with idle ≥ 30 minutes
/examples
None specified
Servlet and JSP Examples
true
0
Start Stop Reload Undeploy
Expire sessions with idle ≥ 30 minutes

Chapter 7: Deploying Application in AWS, Azure, and Docker

S	Name ↓	Architecture	Clock Difference	Free Disk Space	Free Swap Space	Free Temp Space	Response Time
	master	Linux (amd64)	In sync	8.29 GB	1.32 GB	8.29 GB	0ms
	TestServer	Windows 8.1 (amd64)	In sync	36.31 GB	5.16 GB	153.73 GB	2551ms
	Data obtained	**6 sec**	**5.9 sec**	**5.9 sec**	**5.2 sec**	**5.9 sec**	**5.9 sec**

Refresh status

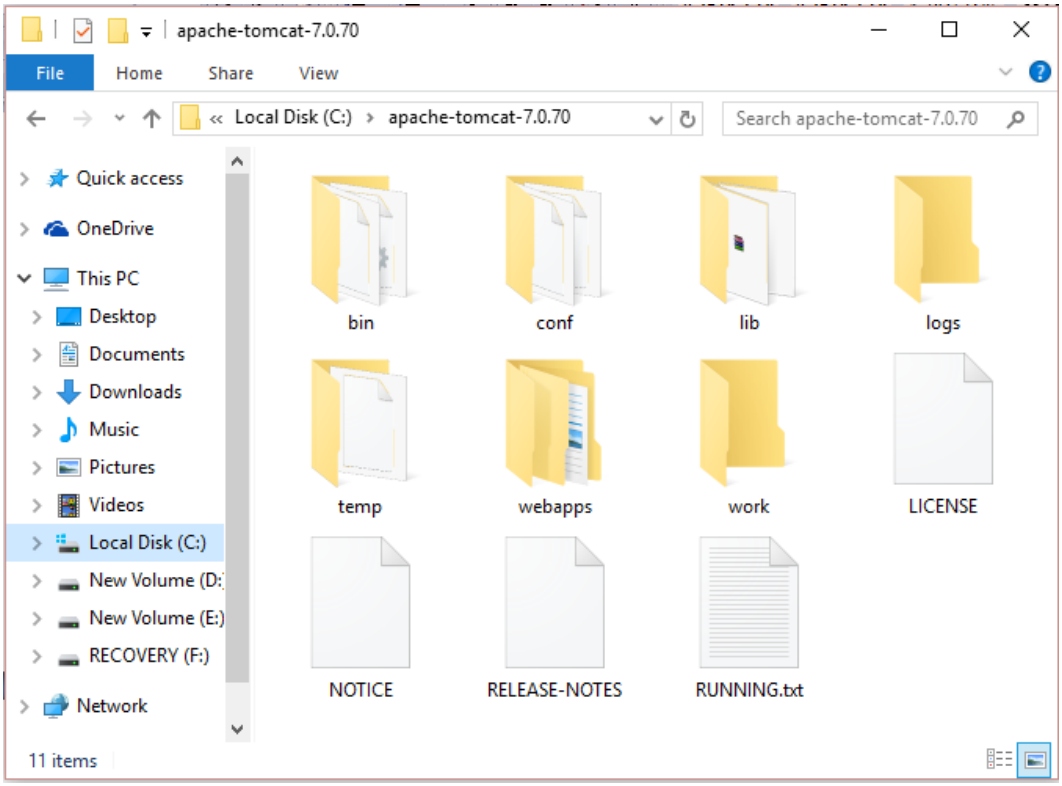


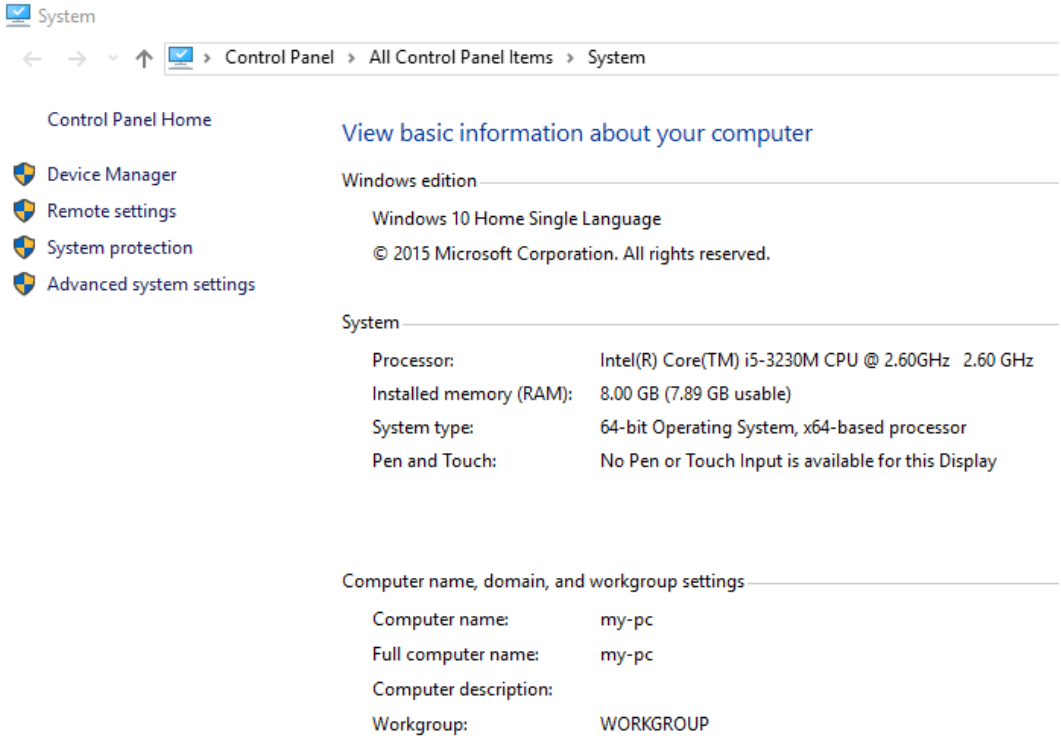
7.0.70

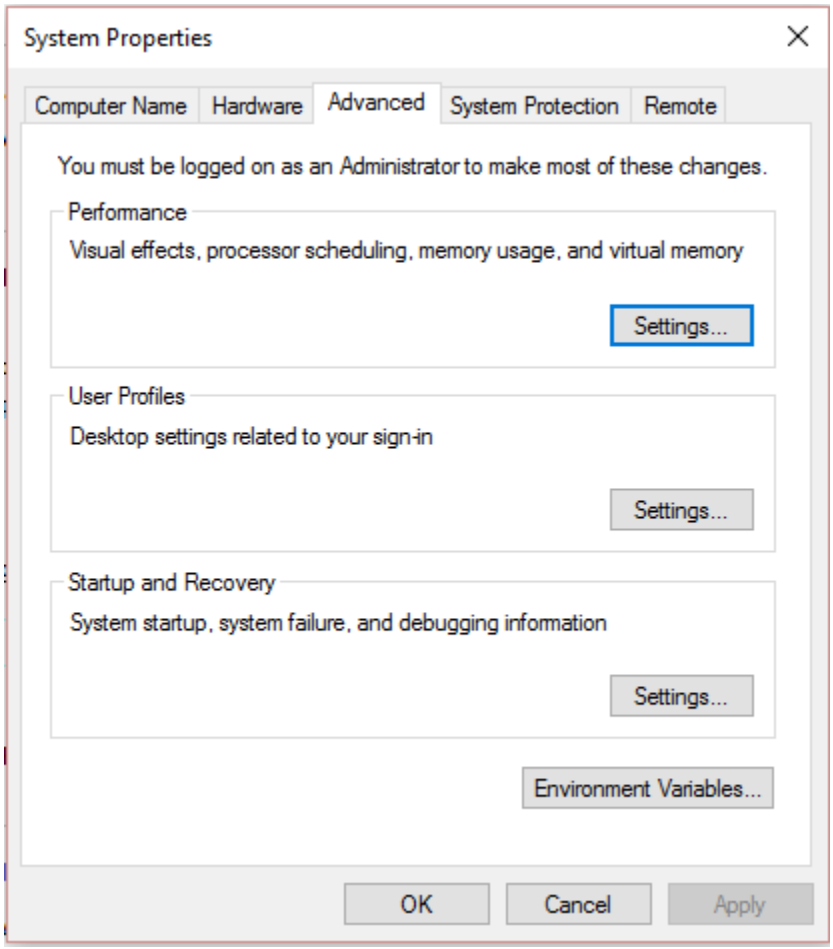
Please see the README file for packaging information. It explains what every distribution contains.

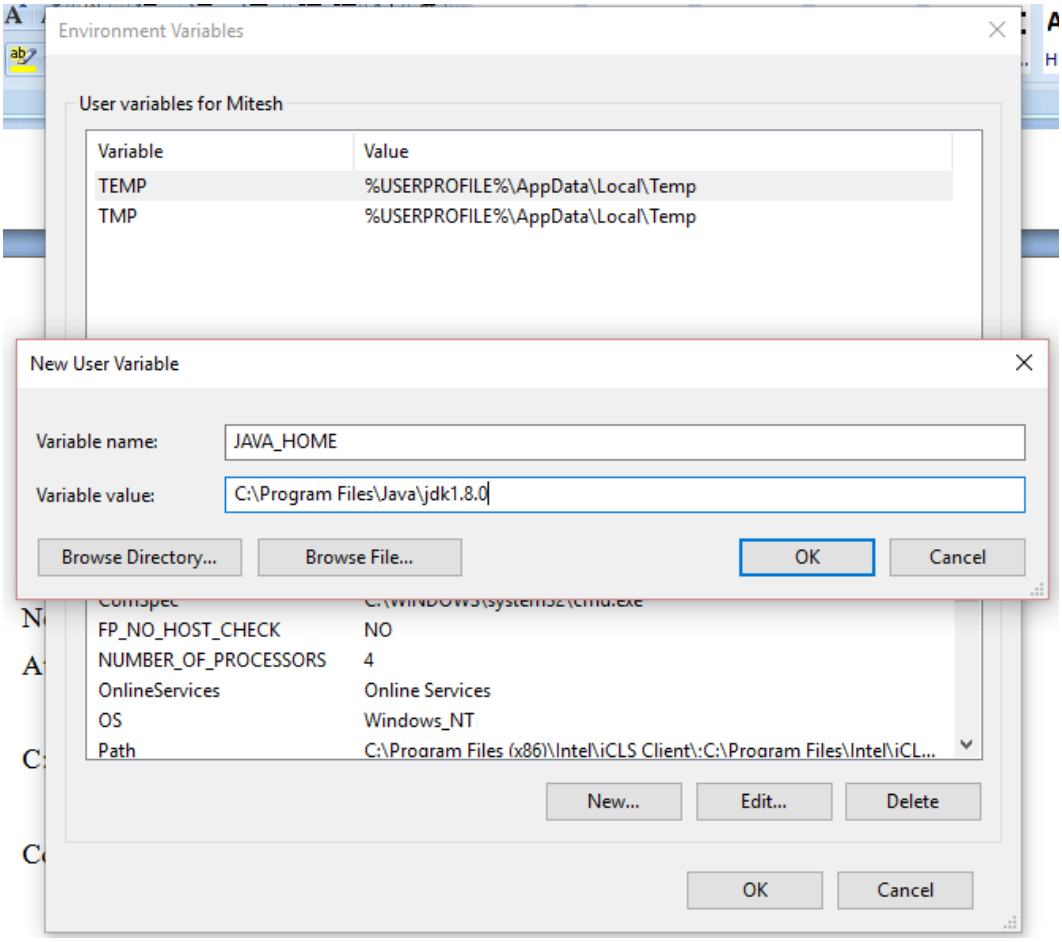
Binary Distributions

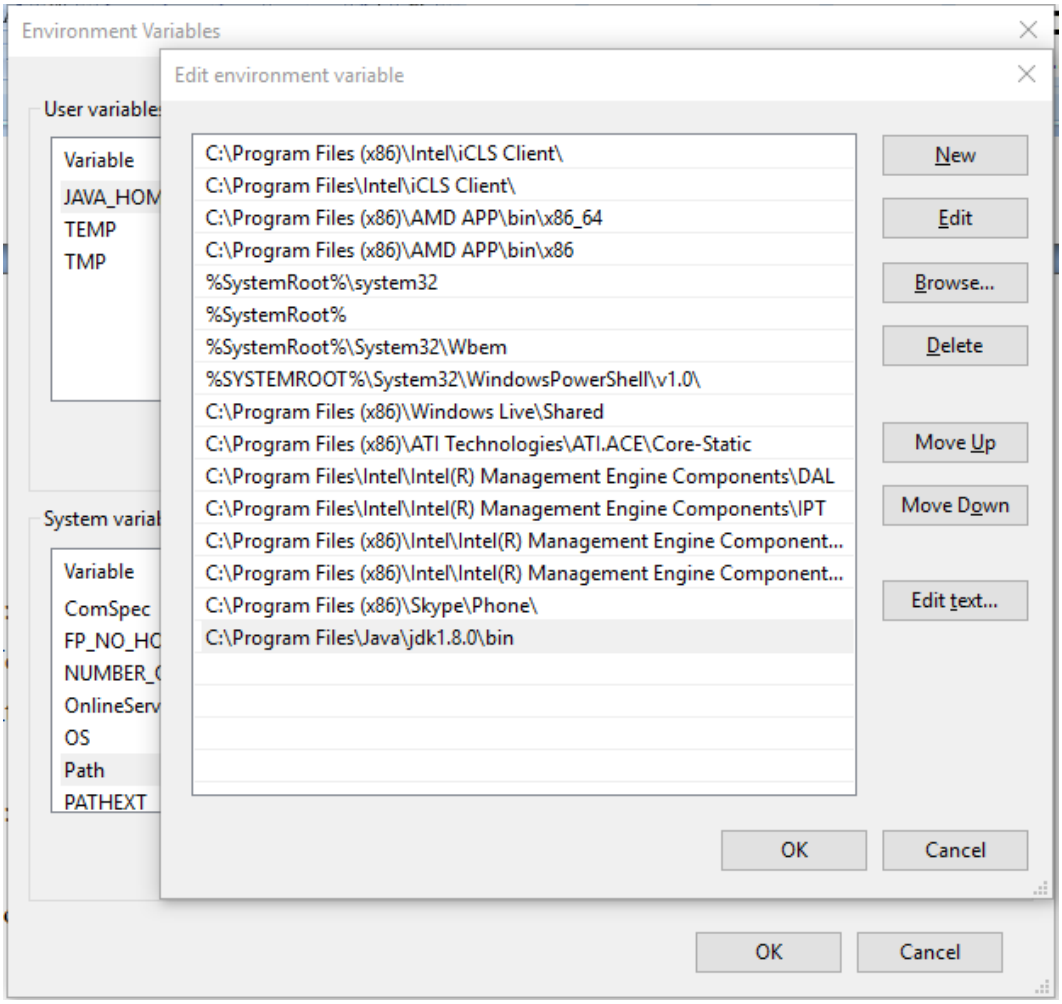
- Core:
  - zip (pgp, md5, sha1)
  - tar.gz (pgp, md5, sha1)
  - 32-bit Windows zip (pgp, md5, sha1)
  - 64-bit Windows zip (pgp, md5, sha1)
  - 32-bit/64-bit Windows Service Installer (pgp, md5, sha1)
- Full documentation:
  - tar.gz (pgp, md5, sha1)
- Deployer:
  - zip (pgp, md5, sha1)
  - tar.gz (pgp, md5, sha1)
- Extras:
  - JMX Remote jar (pgp, md5, sha1)
  - Web services jar (pgp, md5, sha1)
  - JULI adapters jar (pgp, md5, sha1)
  - JULI log4j jar (pgp, md5, sha1)
- Embedded:
  - tar.gz (pgp, md5, sha1)
  - zip (pgp, md5, sha1)

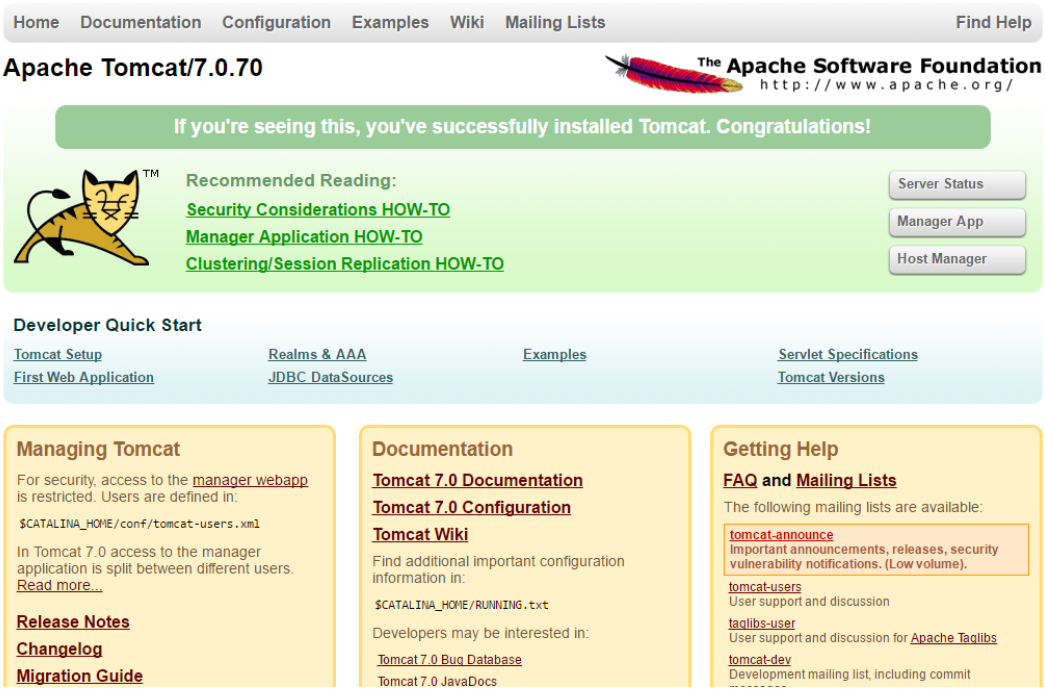

apache-tomcat-7.0.70
File
Home
Share
View
« Local Disk (C:) › apache-tomcat-7.0.70
Search apache-tomcat-7.0.70
Quick access
OneDrive
This PC
Desktop
Documents
Downloads
Music
Pictures
Videos
Local Disk (C:)
New Volume (D:)
New Volume (E:)
RECOVERY (F:)
Network
bin
conf
lib
logs
temp
webapps
work
LICENSE
NOTICE
RELEASE-NOTES
RUNNING.txt
11 items


System
Control Panel › All Control Panel Items › System
Control Panel Home
Device Manager
Remote settings
System protection
Advanced system settings
View basic information about your computer
Windows edition
Windows 10 Home Single Language
© 2015 Microsoft Corporation. All rights reserved.
System
Processor: Intel(R) Core(TM) i5-3230M CPU @ 2.60GHz 2.60 GHz
Installed memory (RAM): 8.00 GB (7.89 GB usable)
System type: 64-bit Operating System, x64-based processor
Pen and Touch: No Pen or Touch Input is available for this Display
Computer name, domain, and workgroup settings
Computer name: my-pc
Full computer name: my-pc
Computer description:
Workgroup: WORKGROUP


System Properties
Computer Name
Hardware
Advanced
System Protection
Remote
You must be logged on as an Administrator to make most of these changes.
Performance
Visual effects, processor scheduling, memory usage, and virtual memory
Settings...
User Profiles
Desktop settings related to your sign-in
Settings...
Startup and Recovery
System startup, system failure, and debugging information
Settings...
Environment Variables...
OK
Cancel
Apply


Environment Variables
User variables for Mitesh
Variable
Value
TEMP
%USERPROFILE%\AppData\Local\Temp
TMP
%USERPROFILE%\AppData\Local\Temp
New User Variable
Variable name:
JAVA_HOME
Variable value:
C:\Program Files\Java\jdk1.8.0
Browse Directory...
Browse File...
OK
Cancel
FP_NO_HOST_CHECK
NO
NUMBER_OF_PROCESSORS
4
OnlineServices
Online Services
OS
Windows_NT
Path
New...
Edit...
Delete
OK
Cancel


Environment Variables
Edit environment variable
User variables
Variable
JAVA_HOM
TEMP
TMP
System variables
Variable
ComSpec
FP_NO_HO
NUMBER_
OnlineServ
OS
Path
PATHEXT
C:\Program Files (x86)\Intel\iCLS Client\
C:\Program Files\Intel\iCLS Client\
C:\Program Files (x86)\AMD APP\bin\x86_64
C:\Program Files (x86)\AMD APP\bin\x86
%SystemRoot%\system32
%SystemRoot%
%SystemRoot%\System32\Wbem
%SYSTEMROOT%\System32\WindowsPowerShell\v1.0\
C:\Program Files (x86)\Windows Live\Shared
C:\Program Files (x86)\ATI Technologies\ATI.ACE\Core-Static
C:\Program Files\Intel\Intel(R) Management Engine Components\DAL
C:\Program Files\Intel\Intel(R) Management Engine Components\IPT
C:\Program Files (x86)\Intel\Intel(R) Management Engine Component...
C:\Program Files (x86)\Intel\Intel(R) Management Engine Component...
C:\Program Files (x86)\Skype\Phone\
C:\Program Files\Java\jdk1.8.0\bin
New
Edit
Browse...
Delete
Move Up
Move Down
Edit text...
OK
Cancel
OK
Cancel



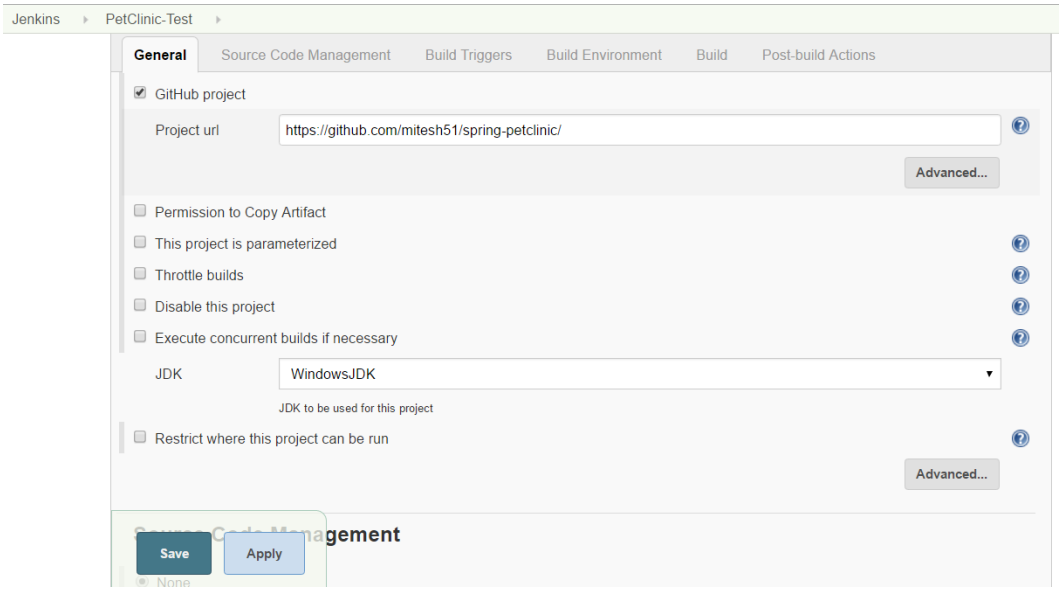

```
<?xml version='1.0' encoding='utf-8'?>
<!--
<tomcat-users>
<!--
<!--
  NOTE:  The sample user and role entries below are intended for use with the
  examples web application. They are wrapped in a comment and thus are ignored
  when reading this file. If you wish to configure these users for use with the
  examples web application, do not forget to remove the <!.. ..> that surrounds
  them. You will also need to set the passwords to something appropriate.
-->
  <role rolename="manager-script"/>
  <user username="admin" password="admin@123" roles="manager-script"/>
</tomcat-users>
```

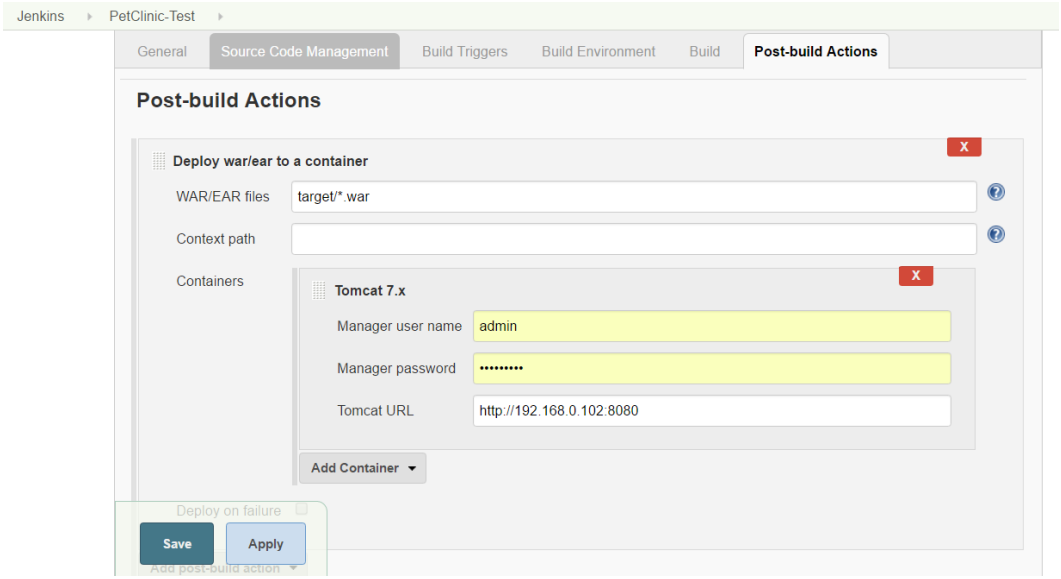
Tomcat Web Application Manager

Message:	OK

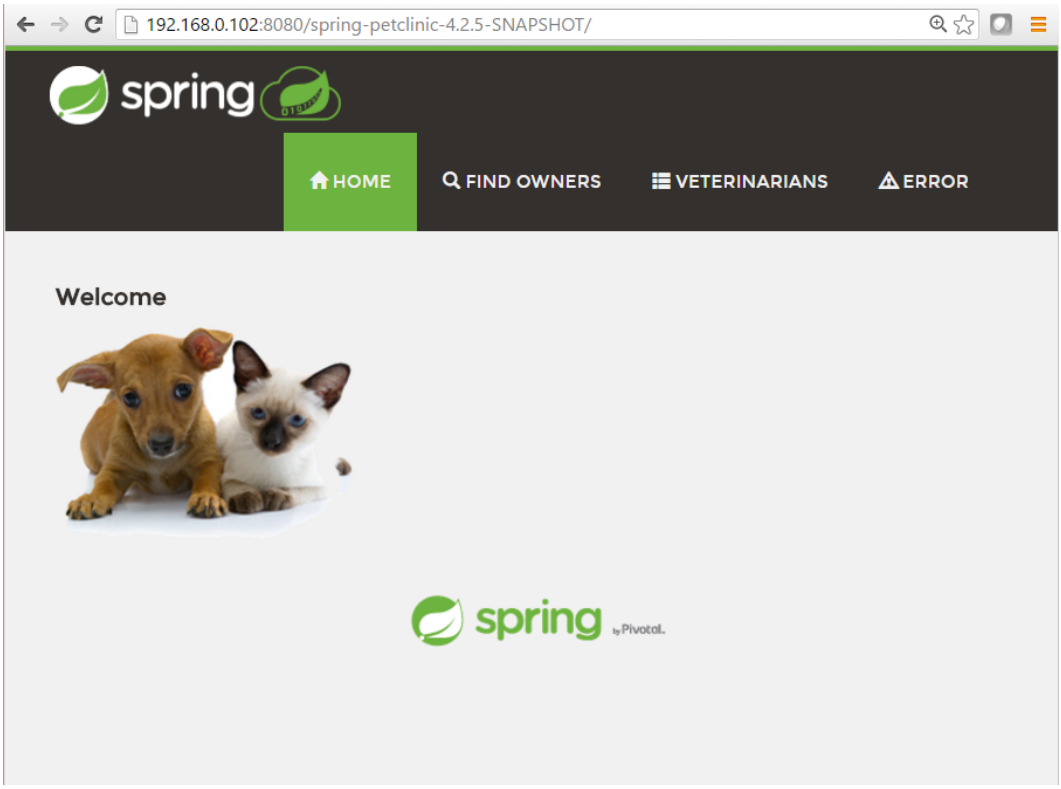
Manager			
List Applications	HTML Manager Help	Manager Help	Server Status

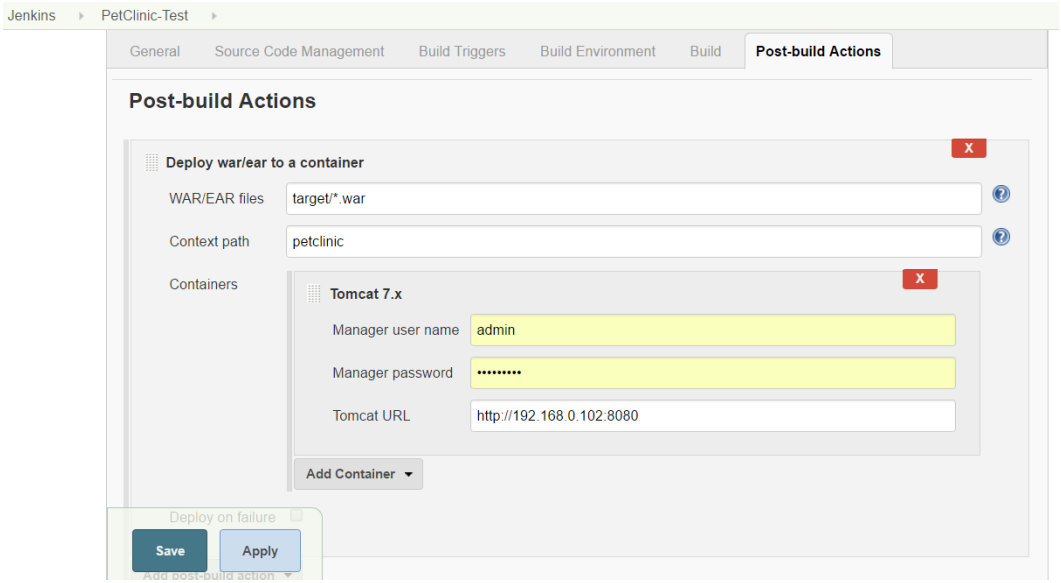
Applications					
Path	Version	Display Name	Running	Sessions	Commands
/	*None specified*	Welcome to Tomcat	true	0	Start Stop Reload Undeploy Expire sessions with idle ≥ 30 minutes
/docs	*None specified*	Tomcat Documentation	true	0	Start Stop Reload Undeploy Expire sessions with idle ≥ 30 minutes
/examples	*None specified*	Servlet and JSP Examples	true	0	Start Stop Reload Undeploy Expire sessions with idle ≥ 30 minutes

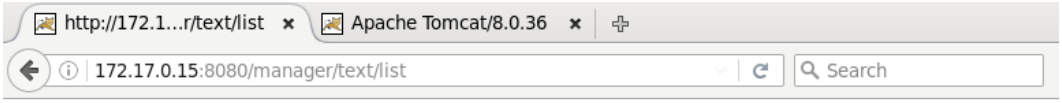




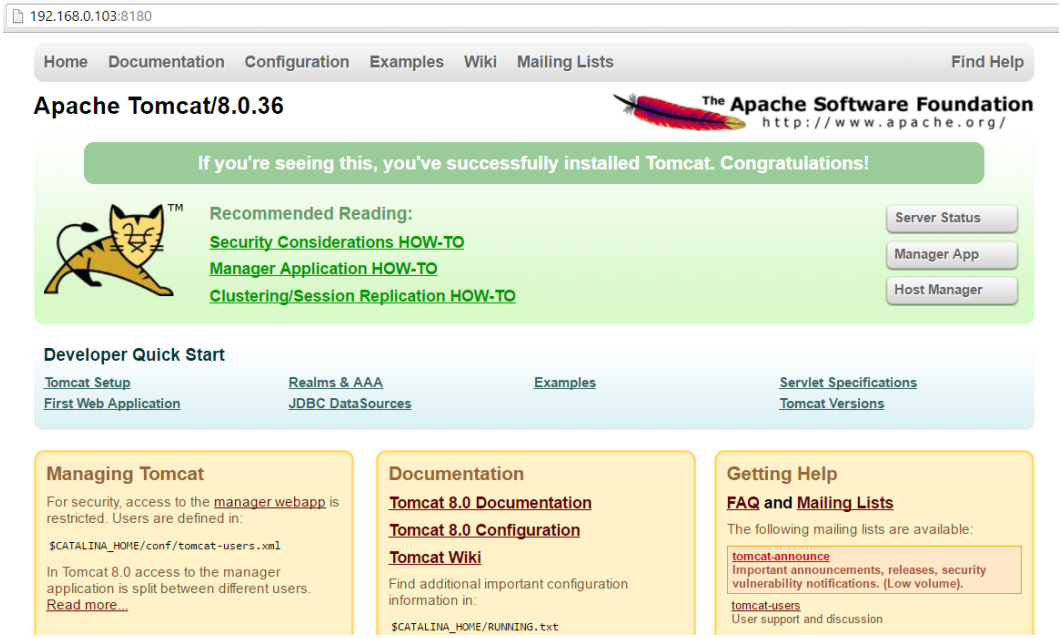

```
Results :

Tests run: 59, 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 [d:\jenkins\workspace\PetClinic-Test\target\spring-
petclinic-4.2.5-SNAPSHOT]
[INFO] Processing war project
[INFO] Copying webapp resources [d:\jenkins\workspace\PetClinic-Test\src\main\webapp]
[INFO] Webapp assembled in [1669 msecs]
[INFO] Building war: d:\jenkins\workspace\PetClinic-Test\target\spring-petclinic-4.2.5-SNAPSHOT.war
[INFO] ------------------------------------------------------------------------
[INFO] BUILD SUCCESS
[INFO] ------------------------------------------------------------------------
[INFO] Total time: 28.772 s
[INFO] Finished at: 2016-07-06T22:59:37+05:30
[INFO] Final Memory: 29M/261M
[INFO] ------------------------------------------------------------------------
Deploying d:\jenkins\workspace\PetClinic-Test\target\spring-petclinic-4.2.5-SNAPSHOT.war to container
Tomcat 7.x Remote
  [d:\jenkins\workspace\PetClinic-Test\target\spring-petclinic-4.2.5-SNAPSHOT.war] is not deployed.
Doing a fresh deployment.
  Deploying [d:\jenkins\workspace\PetClinic-Test\target\spring-petclinic-4.2.5-SNAPSHOT.war]
Finished: SUCCESS
```


192.168.0.102:8080/spring-petclinic-4.2.5-SNAPSHOT/
spring
HOME
FIND OWNERS
VETERINARIANS
ERROR
Welcome
spring by Pivotal.






```
OK - Listed applications for virtual host localhost
/manager:running:0:manager
/:running:0:ROOT
/docs:running:0:docs
/examples:running:0:examples
/host-manager:running:0:host-manager
```


192.168.0.103:8180
Home Documentation Configuration Examples Wiki Mailing Lists Find Help
Apache Tomcat/8.0.36
The Apache Software Foundation
http://www.apache.org/
If you're seeing this, you've successfully installed Tomcat. Congratulations!
Recommended Reading:
Security Considerations HOW-TO
Manager Application HOW-TO
Clustering/Session Replication HOW-TO
Server Status
Manager App
Host Manager
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Read more...
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Tomcat 8.0 Documentation
Tomcat 8.0 Configuration
Tomcat Wiki
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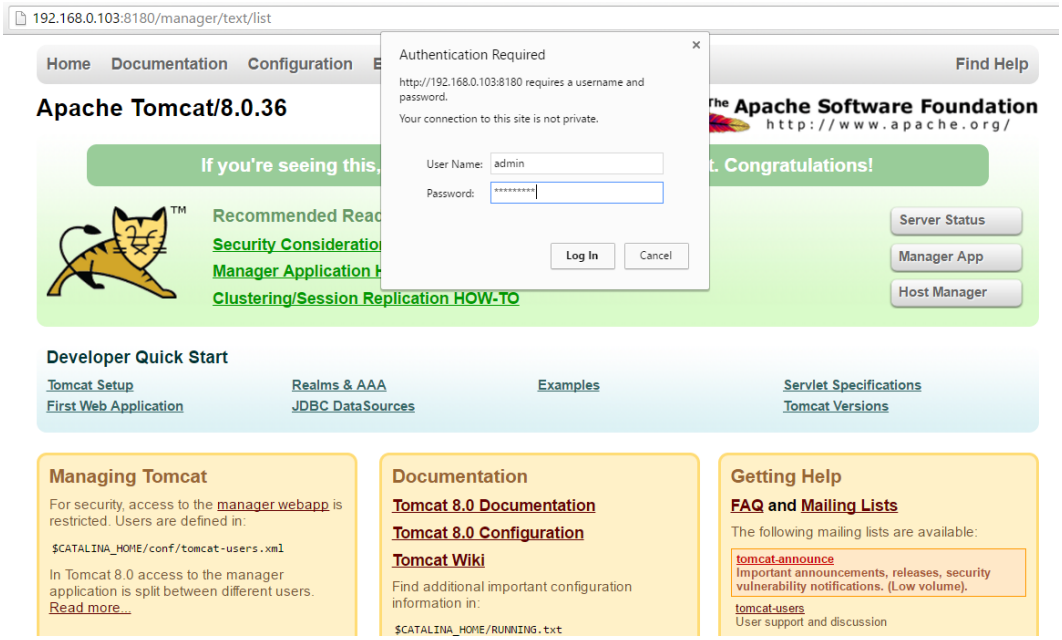
tomcat-users
User support and discussion


192.168.0.103:8180/manager/text/list
Authentication Required
http://192.168.0.103:8180 requires a username and password.
Your connection to this site is not private.
User Name: admin
Password:
Log In
Cancel
Home Documentation Configuration
Find Help
Apache Tomcat/8.0.36
The Apache Software Foundation
http://www.apache.org/
Congratulations!
Clustering/Session Replication HOW-TO
Server Status
Manager App
Host Manager
Developer Quick Start
Tomcat Setup
First Web Application
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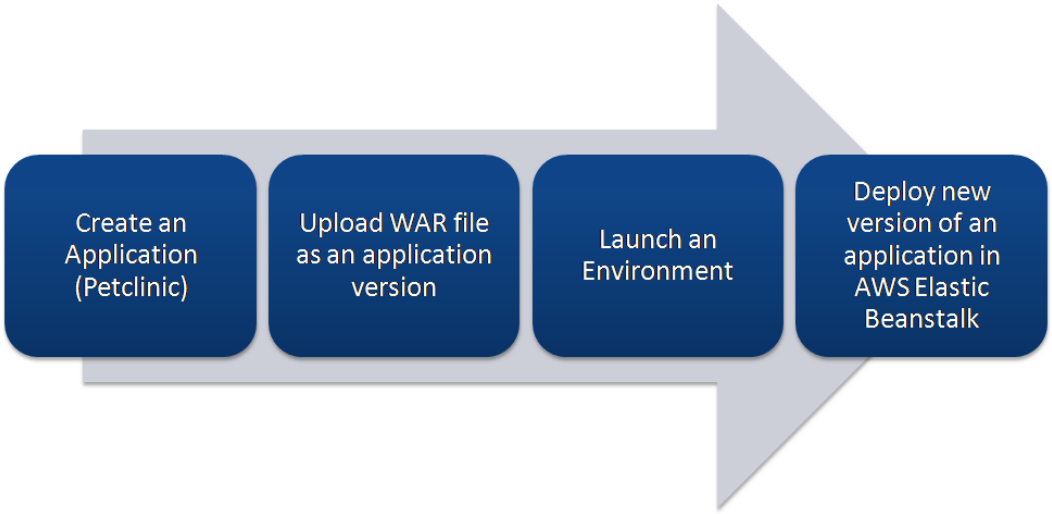
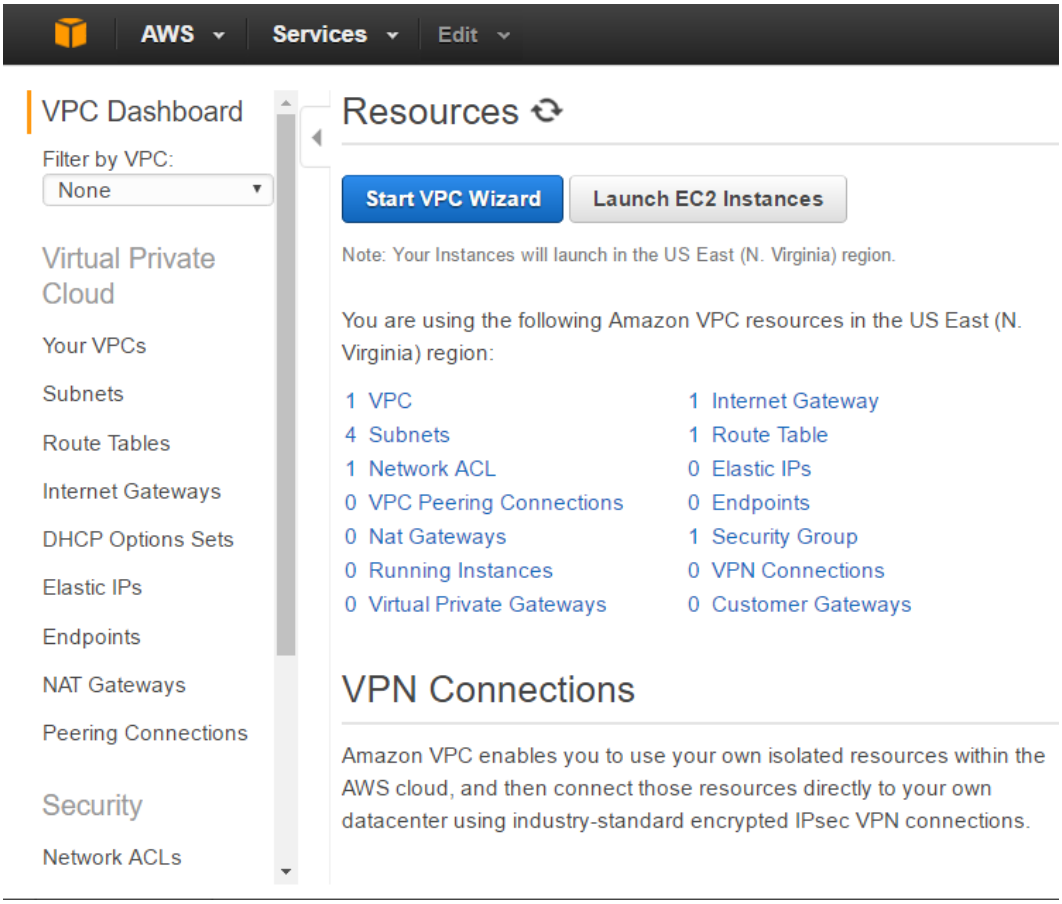
Getting Help
FAQ and Mailing Lists
The following mailing lists are available:
tomcat-announce
Important announcements, releases, security vulnerability notifications. (Low volume).
tomcat-users
User support and discussion

192.168.0.103:8180/manager/text/list

```
OK - Listed applications for virtual host localhost
/manager:running:0:manager
/:running:0:ROOT
/docs:running:0:docs
/examples:running:0:examples
/host-manager:running:0:host-manager
```

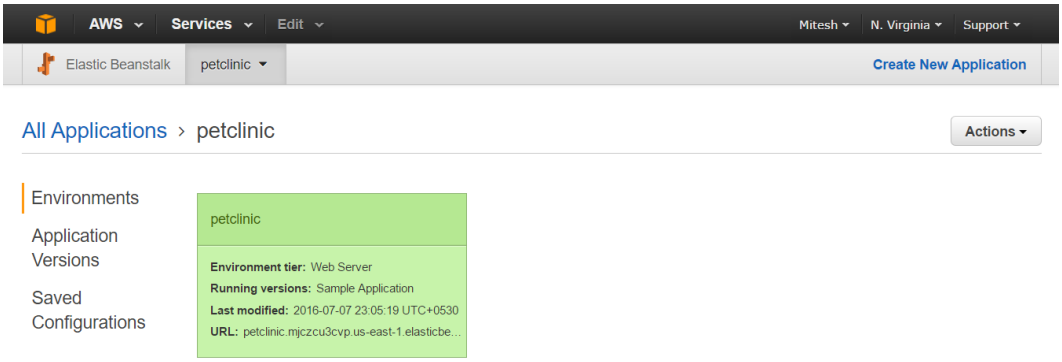


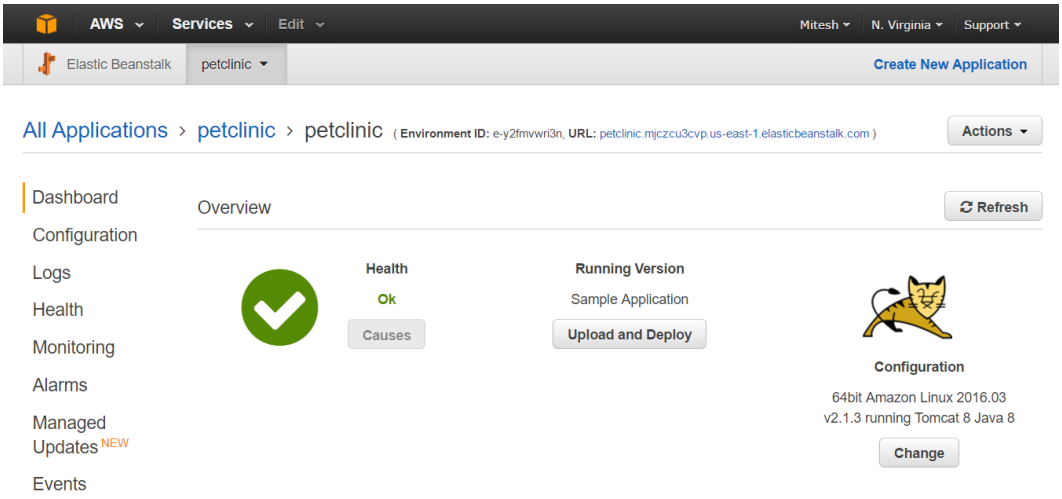
Programming Languages	Platforms
• Java, PHP, Python, Ruby, Go	• Go, Java SE, Java with Tomcat, .NET on Windows Server with IIS, Node.js, PHP, Python, Ruby

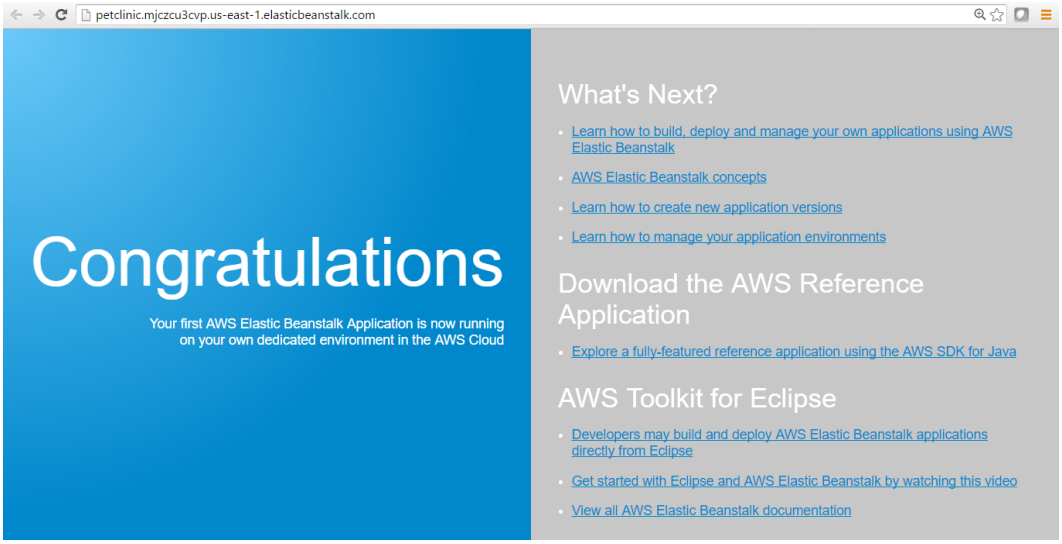

AWS
Services
Edit
VPC Dashboard
Filter by VPC:
None
Virtual Private Cloud
Your VPCs
Subnets
Route Tables
Internet Gateways
DHCP Options Sets
Elastic IPs
Endpoints
NAT Gateways
Peering Connections
Security
Network ACLs
Resources
Start VPC Wizard
Launch EC2 Instances
Note: Your Instances will launch in the US East (N. Virginia) region.
You are using the following Amazon VPC resources in the US East (N. Virginia) region:
1 VPC
4 Subnets
1 Network ACL
0 VPC Peering Connections
0 Nat Gateways
0 Running Instances
0 Virtual Private Gateways
1 Internet Gateway
1 Route Table
0 Elastic IPs
0 Endpoints
1 Security Group
0 VPN Connections
0 Customer Gateways
VPN Connections
Amazon VPC enables you to use your own isolated resources within the AWS cloud, and then connect those resources directly to your own datacenter using industry-standard encrypted IPsec VPN connections.

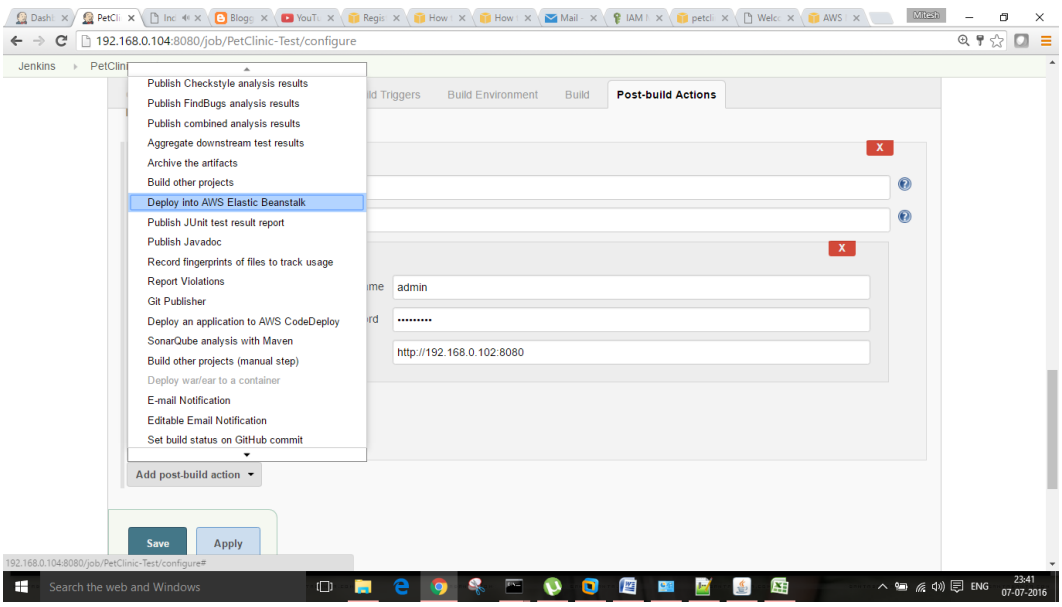
Elastic Beanstalk
petclinic
Create New Application
Create a web app
Choose a name and a platform for your app. You can start with a sample app or upload your own code. Then, you can configure more options before you deploy your app. By creating an app, you allow AWS Elastic Beanstalk to administer AWS resources and necessary permissions on your behalf. Learn more.
Application name
petclinic
Maximum length of 100 characters, not including forward slash (/).
Platform
Tomcat
Tomcat 8 Java 8 (this can be updated after initial setup)
App code
Sample application
Comes with instructions on how to configure your application. You can upload a new source code for this app later.
Upload your own code
You can upload a file or provide a URL to your app code in Amazon S3.

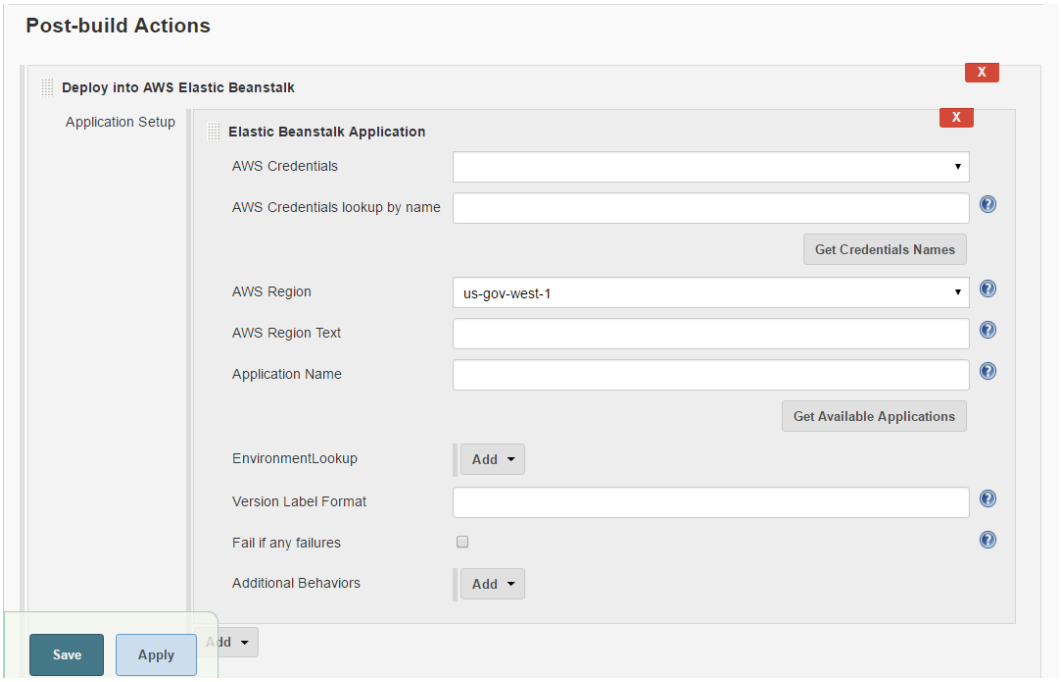
Elastic Beanstalk
petclinic
Create New Application
All Applications › petclinic › petclinic (Environment ID: e-y2fmvwri3n, URL:)
Actions
Creating petclinic
This will take a few minutes
11:04pm Waiting for EC2 instances to launch. This may take a few minutes.
11:02pm Created EIP: 52.73.142.147
11:02pm Environment health has transitioned to Pending. Initialization in progress (running for 8 seconds). There are no instances.
11:02pm Created security group named: awseb-e-y2fmvwri3n-stack-AWSEBSecurityGroup-E1E762FFSL5Q
11:01pm Using elasticbeanstalk-us-east-1-685239287657 as Amazon S3 storage bucket for environment data.
11:01pm createEnvironment is starting.
Learn More
Get started using Elastic Beanstalk
Modify the code
Create and connect to a database
Add a custom domain
Command Line Interface (v3)
Installing the AWS EB CLI
EB CLI Command Reference

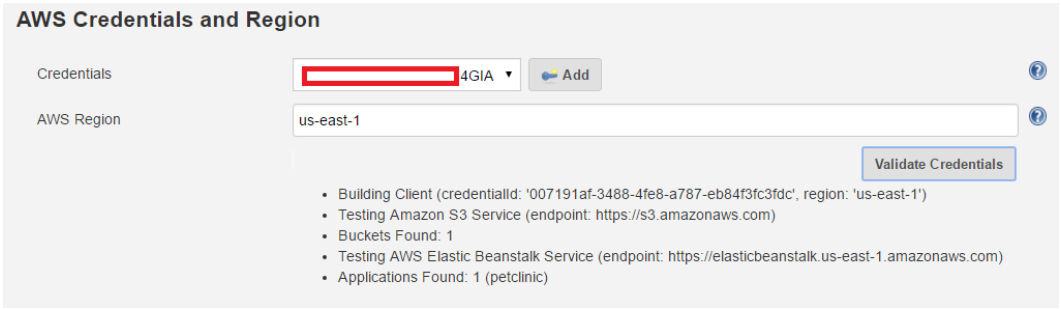

AWS
Services
Edit
Mitesh
N. Virginia
Support
Elastic Beanstalk
petclinic
Create New Application
All Applications › petclinic
Actions
Environments
Application Versions
Saved Configurations
petclinic
Environment tier: Web Server
Running versions: Sample Application
Last modified: 2016-07-07 23:05:19 UTC+0530
URL: petclinic.mjczcu3cvp.us-east-1.elasticbe...

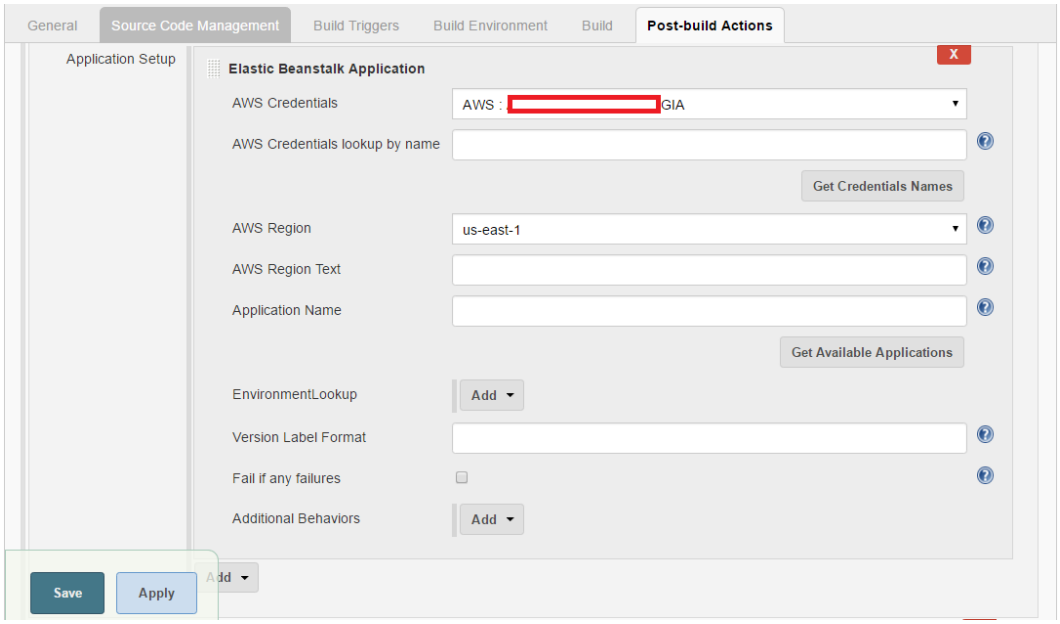

AWS
Services
Edit
Mitesh
N. Virginia
Support
Elastic Beanstalk
petclinic
Create New Application
All Applications › petclinic › petclinic (Environment ID: e-y2fmvwri3n, URL: petclinic.mjczcu3cvp.us-east-1.elasticbeanstalk.com)
Actions
Dashboard
Configuration
Logs
Health
Monitoring
Alarms
Managed Updates NEW
Events
Overview
Refresh
Health
Ok
Causes
Running Version
Sample Application
Upload and Deploy
Configuration
64bit Amazon Linux 2016.03
v2.1.3 running Tomcat 8 Java 8
Change

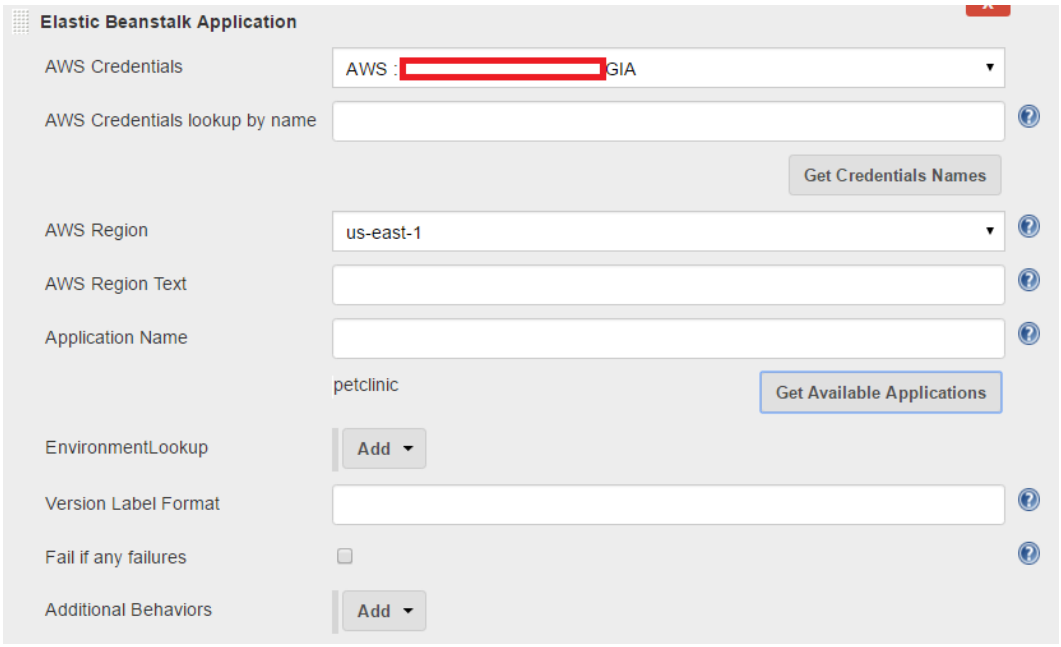

petclinic.mjczcu3cvp.us-east-1.elasticbeanstalk.com
Congratulations
Your first AWS Elastic Beanstalk Application is now running on your own dedicated environment in the AWS Cloud
What's Next?
Learn how to build, deploy and manage your own applications using AWS Elastic Beanstalk
AWS Elastic Beanstalk concepts
Learn how to create new application versions
Learn how to manage your application environments
Download the AWS Reference Application
Explore a fully-featured reference application using the AWS SDK for Java
AWS Toolkit for Eclipse
Developers may build and deploy AWS Elastic Beanstalk applications directly from Eclipse
Get started with Eclipse and AWS Elastic Beanstalk by watching this video
View all AWS Elastic Beanstalk documentation

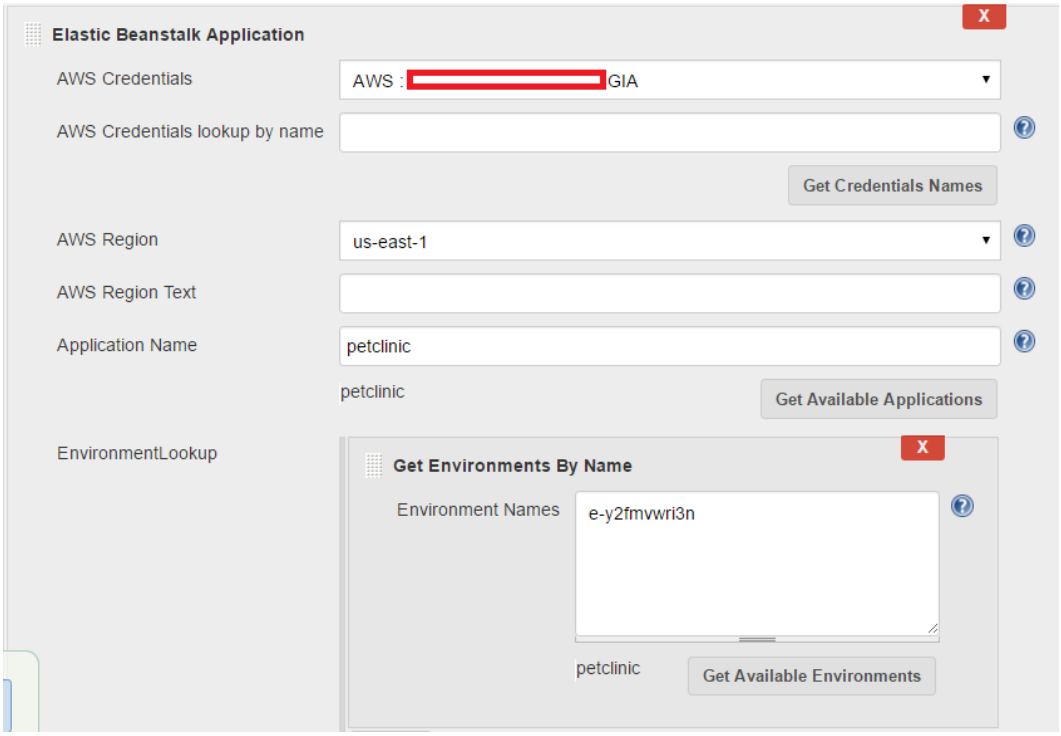

192.168.0.104:8080/job/PetClinic-Test/configure
Jenkins
Publish Checkstyle analysis results
Publish FindBugs analysis results
Publish combined analysis results
Aggregate downstream test results
Archive the artifacts
Build other projects
Deploy into AWS Elastic Beanstalk
Publish JUnit test result report
Publish Javadoc
Record fingerprints of files to track usage
Report Violations
Git Publisher
Deploy an application to AWS CodeDeploy
SonarQube analysis with Maven
Build other projects (manual step)
Deploy war/ear to a container
E-mail Notification
Editable Email Notification
Set build status on GitHub commit
Build Triggers
Build Environment
Build
Post-build Actions
admin
http://192.168.0.102:8080
Add post-build action
Save
Apply
Search the web and Windows
ENG
23:41
07-07-2016

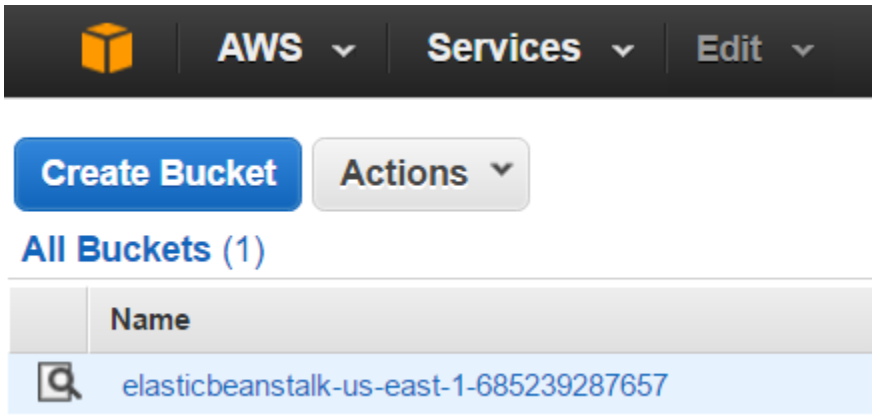

Post-build Actions
Deploy into AWS Elastic Beanstalk
Application Setup
Elastic Beanstalk Application
AWS Credentials
AWS Credentials lookup by name
Get Credentials Names
AWS Region
us-gov-west-1
AWS Region Text
Application Name
Get Available Applications
EnvironmentLookup
Add
Version Label Format
Fail if any failures
Additional Behaviors
Add
Add
Save
Apply

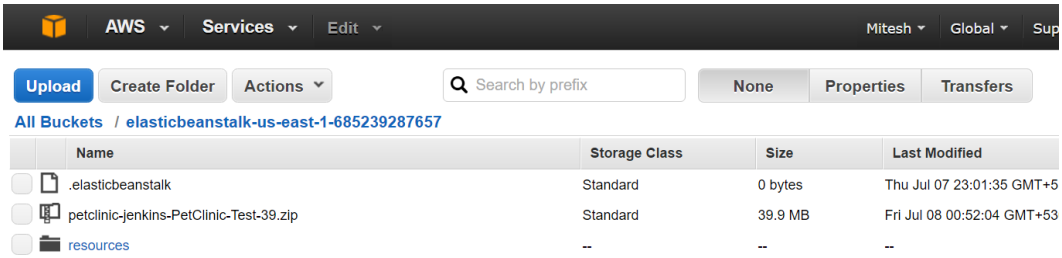

AWS Credentials and Region
Credentials
4GIA
Add
AWS Region
us-east-1
Validate Credentials
Building Client (credentialId: '007191af-3488-4fe8-a787-eb84f3fc3fdc', region: 'us-east-1')
Testing Amazon S3 Service (endpoint: https://s3.amazonaws.com)
Buckets Found: 1
Testing AWS Elastic Beanstalk Service (endpoint: https://elasticbeanstalk.us-east-1.amazonaws.com)
Applications Found: 1 (petclinic)

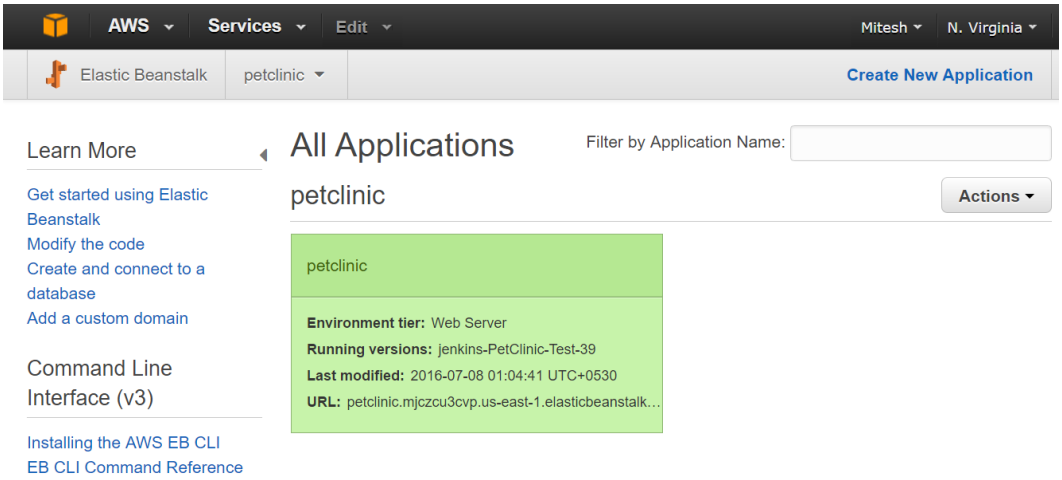

General
Source Code Management
Build Triggers
Build Environment
Build
Post-build Actions
Application Setup
Elastic Beanstalk Application
AWS Credentials
AWS : GIA
AWS Credentials lookup by name
Get Credentials Names
AWS Region
us-east-1
AWS Region Text
Application Name
Get Available Applications
EnvironmentLookup
Add
Version Label Format
Fail if any failures
Additional Behaviors
Add
Save
Apply

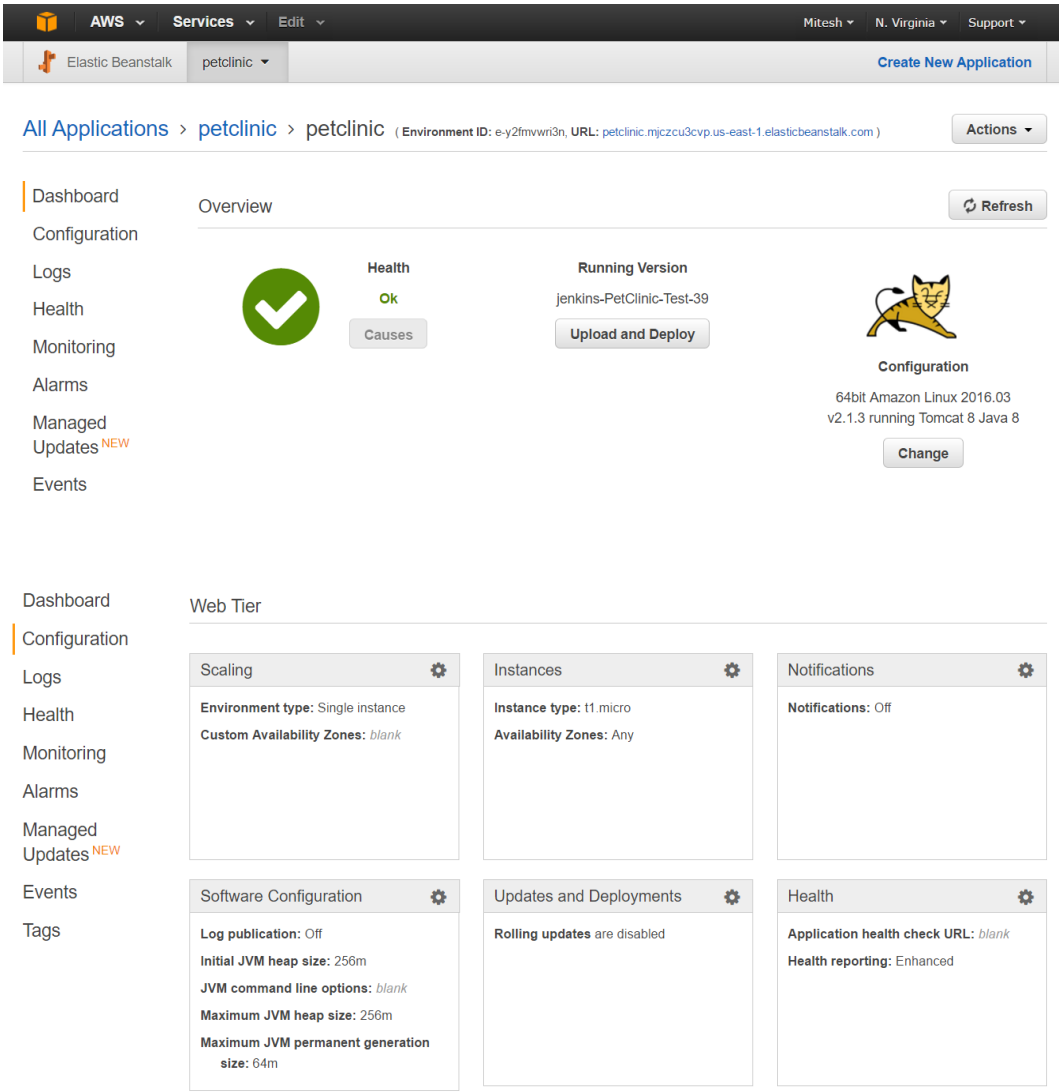

Elastic Beanstalk Application
AWS Credentials
AWS : GIA
AWS Credentials lookup by name
Get Credentials Names
AWS Region
us-east-1
AWS Region Text
Application Name
petclinic
Get Available Applications
EnvironmentLookup
Add
Version Label Format
Fail if any failures
Additional Behaviors
Add

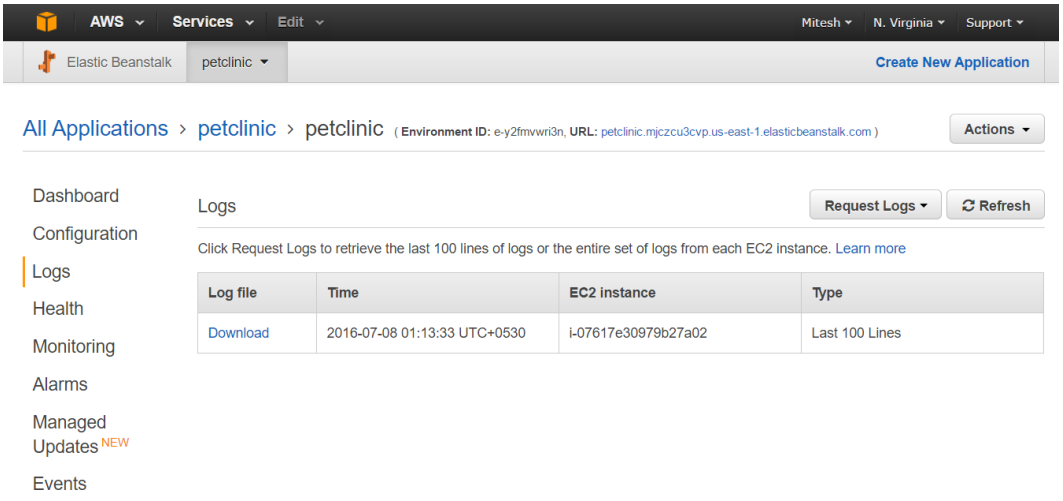

Elastic Beanstalk Application
AWS Credentials
AWS : [redacted]GIA
AWS Credentials lookup by name
Get Credentials Names
AWS Region
us-east-1
AWS Region Text
Application Name
petclinic
petclinic
Get Available Applications
EnvironmentLookup
Get Environments By Name
Environment Names
e-y2fmvwri3n
petclinic
Get Available Environments

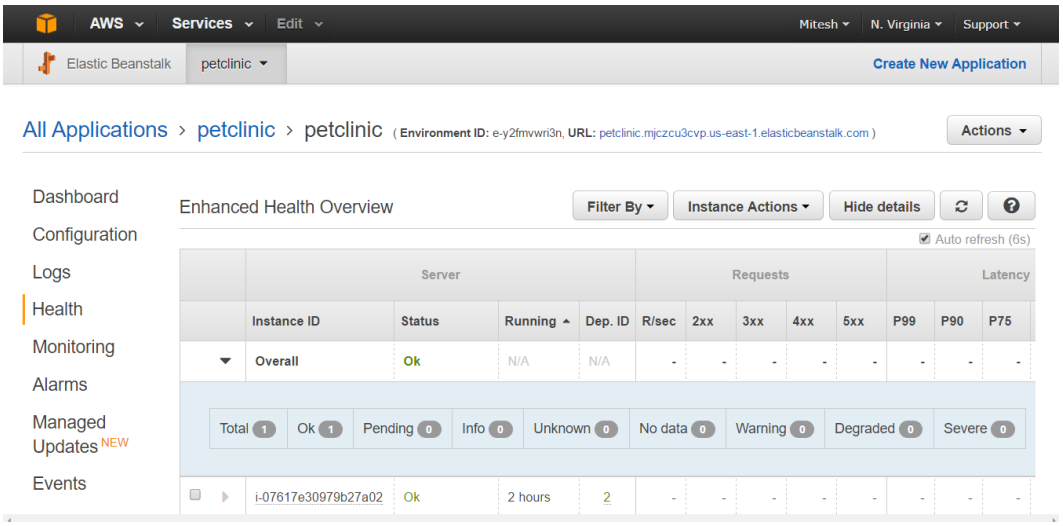

AWS
Services
Edit
Create Bucket
Actions
All Buckets (1)
Name
elasticbeanstalk-us-east-1-685239287657

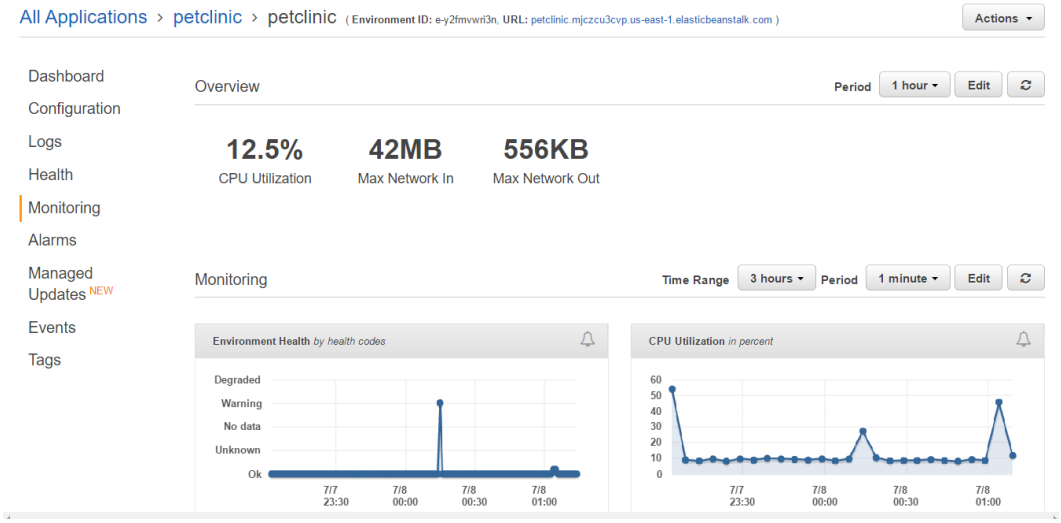

AWS
Services
Edit
Mitesh
Global
Upload
Create Folder
Actions
Search by prefix
None
Properties
Transfers
All Buckets / elasticbeanstalk-us-east-1-685239287657
Name
Storage Class
Size
Last Modified
.elasticbeanstalk
Standard
0 bytes
Thu Jul 07 23:01:35 GMT+5
petclinic-jenkins-PetClinic-Test-39.zip
Standard
39.9 MB
Fri Jul 08 00:52:04 GMT+53
resources

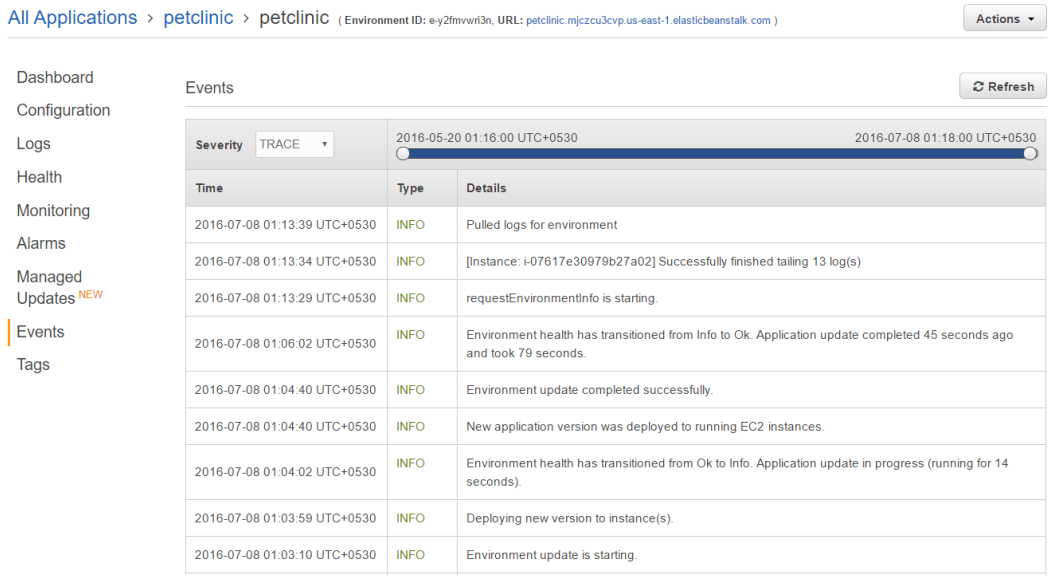

AWS
Services
Edit
Mitesh
N. Virginia
Elastic Beanstalk
petclinic
Create New Application
Learn More
Get started using Elastic Beanstalk
Modify the code
Create and connect to a database
Add a custom domain
Command Line Interface (v3)
Installing the AWS EB CLI
EB CLI Command Reference
All Applications
Filter by Application Name:
petclinic
Actions
petclinic
Environment tier: Web Server
Running versions: jenkins-PetClinic-Test-39
Last modified: 2016-07-08 01:04:41 UTC+0530
URL: petclinic.mjczcu3cvp.us-east-1.elasticbeanstalk...

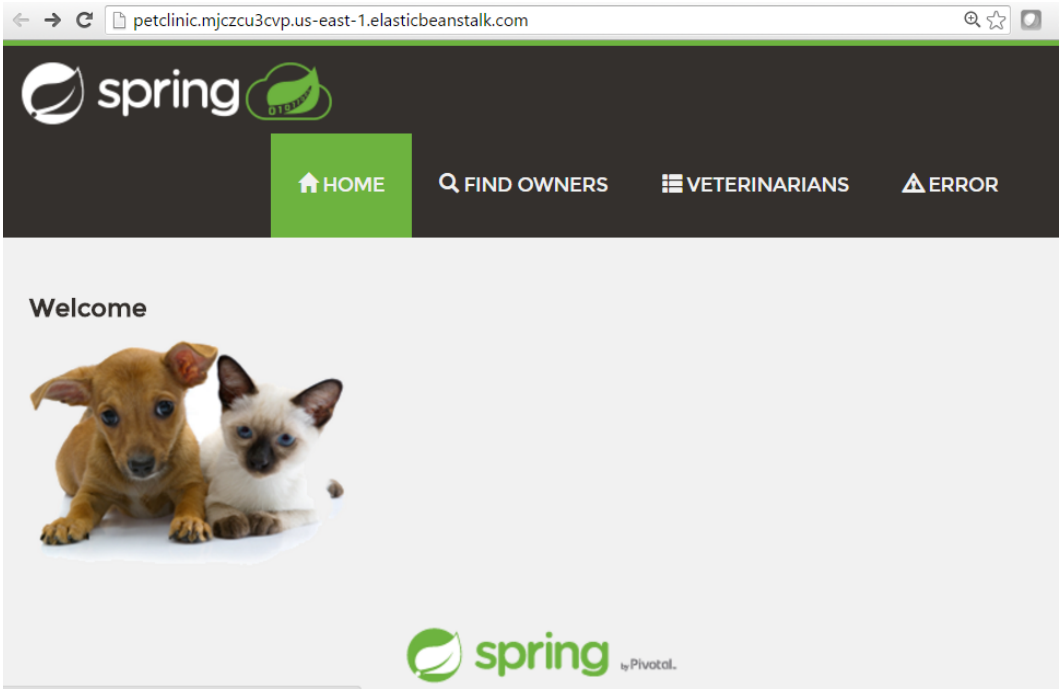

AWS
Services
Edit
Mitesh
N. Virginia
Support
Elastic Beanstalk
petclinic
Create New Application
All Applications › petclinic › petclinic (Environment ID: e-y2fmvwri3n, URL: petclinic.mjczcu3cvp.us-east-1.elasticbeanstalk.com)
Actions
Dashboard
Configuration
Logs
Health
Monitoring
Alarms
Managed Updates NEW
Events
Overview
Refresh
Health
Ok
Causes
Running Version
jenkins-PetClinic-Test-39
Upload and Deploy
Configuration
64bit Amazon Linux 2016.03
v2.1.3 running Tomcat 8 Java 8
Change
Dashboard
Configuration
Logs
Health
Monitoring
Alarms
Managed Updates NEW
Events
Tags
Web Tier
Scaling
Environment type: Single instance
Custom Availability Zones: blank
Instances
Instance type: t1.micro
Availability Zones: Any
Notifications
Notifications: Off
Software Configuration
Log publication: Off
Initial JVM heap size: 256m
JVM command line options: blank
Maximum JVM heap size: 256m
Maximum JVM permanent generation size: 64m
Updates and Deployments
Rolling updates are disabled
Health
Application health check URL: blank
Health reporting: Enhanced

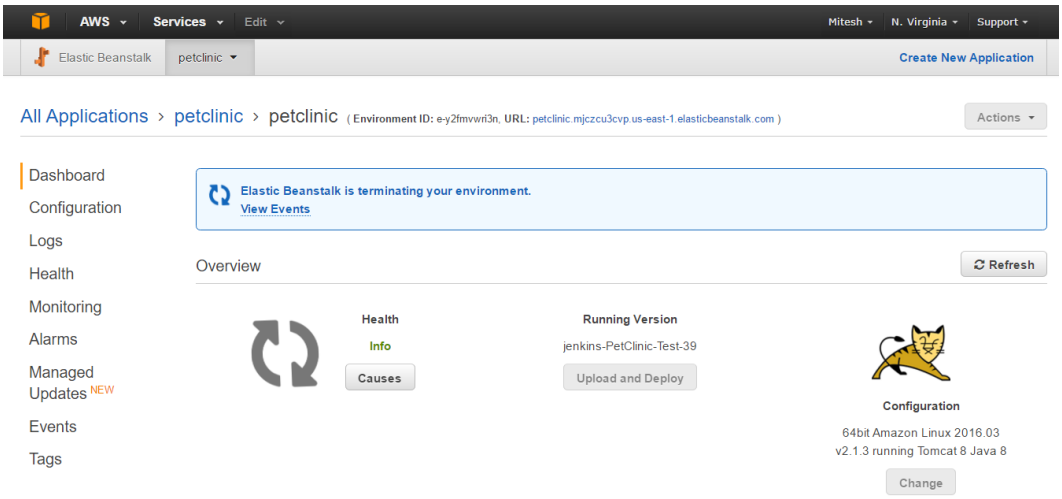

AWS
Services
Edit
Mitesh
N. Virginia
Support
Elastic Beanstalk
petclinic
Create New Application
All Applications › petclinic › petclinic (Environment ID: e-y2fmvwri3n, URL: petclinic.mjczcu3cvp.us-east-1.elasticbeanstalk.com)
Actions
Dashboard
Configuration
Logs
Health
Monitoring
Alarms
Managed Updates NEW
Events
Logs
Request Logs
Refresh
Click Request Logs to retrieve the last 100 lines of logs or the entire set of logs from each EC2 instance. Learn more
Log file
Time
EC2 instance
Type
Download
2016-07-08 01:13:33 UTC+0530
i-07617e30979b27a02
Last 100 Lines


AWS
Services
Edit
Mitesh
N. Virginia
Support
Elastic Beanstalk
petclinic
Create New Application
All Applications › petclinic › petclinic (Environment ID: e-y2fmvwri3n, URL: petclinic.mjczcu3cvp.us-east-1.elasticbeanstalk.com)
Actions
Dashboard
Configuration
Logs
Health
Monitoring
Alarms
Managed Updates NEW
Events
Enhanced Health Overview
Filter By
Instance Actions
Hide details
Auto refresh (6s)
Server
Requests
Latency
Instance ID
Status
Running
Dep. ID
R/sec
2xx
3xx
4xx
5xx
P99
P90
P75
Overall
Ok
N/A
N/A
Total 1
Ok 1
Pending 0
Info 0
Unknown 0
No data 0
Warning 0
Degraded 0
Severe 0
i-07617e30979b27a02
Ok
2 hours
2


All Applications › petclinic › petclinic (Environment ID: e-y2fmvwri3n, URL: petclinic.mjczcu3cvp.us-east-1.elasticbeanstalk.com)
Actions
Dashboard
Configuration
Logs
Health
Monitoring
Alarms
Managed Updates NEW
Events
Tags
Overview
Period 1 hour Edit
12.5%
CPU Utilization
42MB
Max Network In
556KB
Max Network Out
Monitoring
Time Range 3 hours Period 1 minute Edit
Environment Health by health codes
Degraded
Warning
No data
Unknown
Ok
7/7 23:30
7/8 00:00
7/8 00:30
7/8 01:00
CPU Utilization in percent
60
50
40
30
20
10
0
7/7 23:30
7/8 00:00
7/8 00:30
7/8 01:00


All Applications › petclinic › petclinic (Environment ID: e-y2fmvwri3n, URL: petclinic.mjczcu3cvp.us-east-1.elasticbeanstalk.com)
Actions
Dashboard
Configuration
Logs
Health
Monitoring
Alarms
Managed Updates NEW
Events
Tags
Events
Refresh
Severity TRACE
2016-05-20 01:16:00 UTC+0530
2016-07-08 01:18:00 UTC+0530
Time
Type
Details
2016-07-08 01:13:39 UTC+0530 INFO Pulled logs for environment
2016-07-08 01:13:34 UTC+0530 INFO [Instance: i-07617e30979b27a02] Successfully finished tailing 13 log(s)
2016-07-08 01:13:29 UTC+0530 INFO requestEnvironmentInfo is starting.
2016-07-08 01:06:02 UTC+0530 INFO Environment health has transitioned from Info to Ok. Application update completed 45 seconds ago and took 79 seconds.
2016-07-08 01:04:40 UTC+0530 INFO Environment update completed successfully.
2016-07-08 01:04:40 UTC+0530 INFO New application version was deployed to running EC2 instances.
2016-07-08 01:04:02 UTC+0530 INFO Environment health has transitioned from Ok to Info. Application update in progress (running for 14 seconds).
2016-07-08 01:03:59 UTC+0530 INFO Deploying new version to instance(s).
2016-07-08 01:03:10 UTC+0530 INFO Environment update is starting.


petclinic.mjczcu3cvp.us-east-1.elasticbeanstalk.com
spring
HOME
FIND OWNERS
VETERINARIANS
ERROR
Welcome
spring by Pivotal.


AWS
Services
Edit
Mitesh
N. Virginia
Support
Elastic Beanstalk
petclinic
Create New Application
All Applications › petclinic › petclinic (Environment ID: e-y2fmvwri3n, URL: petclinic.mjczcu3cvp.us-east-1.elasticbeanstalk.com)
Actions
Dashboard
Configuration
Logs
Health
Monitoring
Alarms
Managed Updates NEW
Events
Tags
Elastic Beanstalk is terminating your environment.
View Events
Overview
Refresh
Health
Info
Causes
Running Version
jenkins-PetClinic-Test-39
Upload and Deploy
Configuration
64bit Amazon Linux 2016.03
v2.1.3 running Tomcat 8 Java 8
Change

Updates | **Available** | Installed | Advanced

Install ↓	Name	Version
☐	FTP publisher plugin This plugin can be used to upload project artifacts and whole directories to an ftp server.	1.2
☑	Publish Over FTP Publish files over FTP	1.12
☐	Publish Over SSH Publish files and/or execute commands over SSH (SCP using SFTP)	1.14
☐	SSH2 Easy Plugin This plugin allows you to ssh2 remote server to execute linux commands , shell , sftp upload, downlaod etc	1.4

Installing Plugins/Upgrades

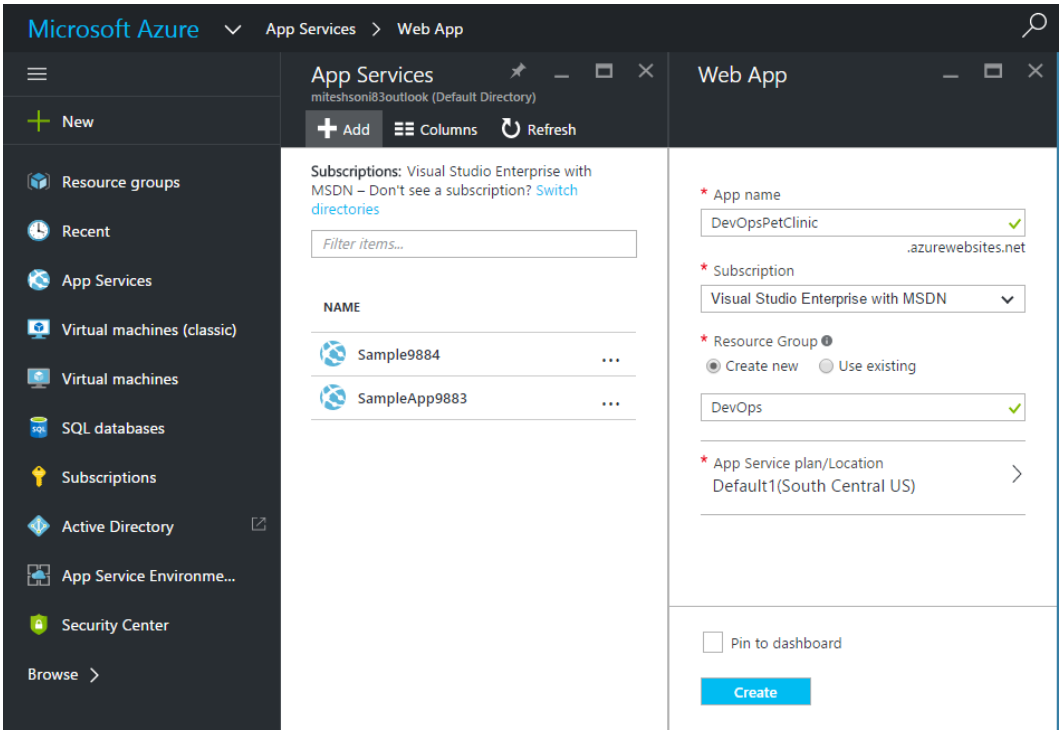
Preparation

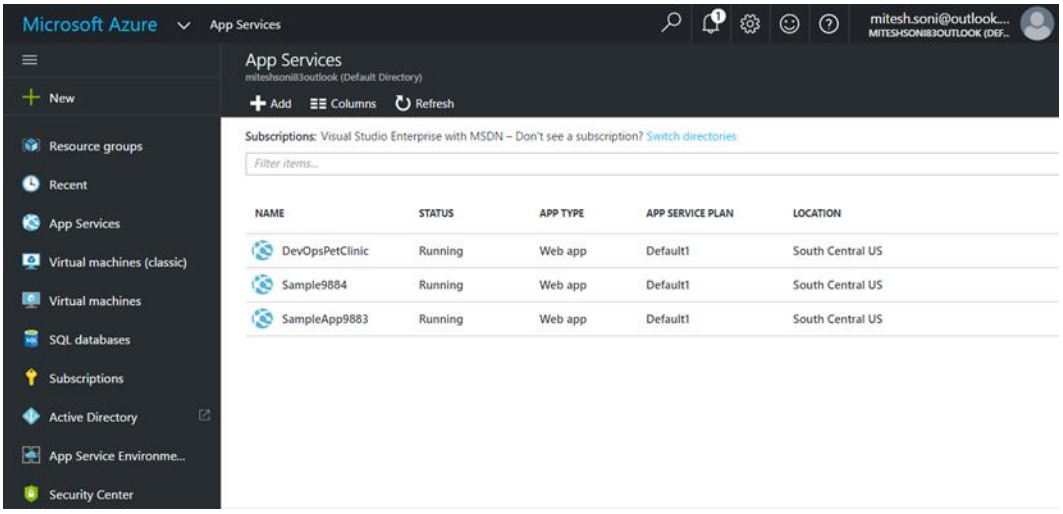
- Checking internet connectivity
- Checking update center connectivity
- Success

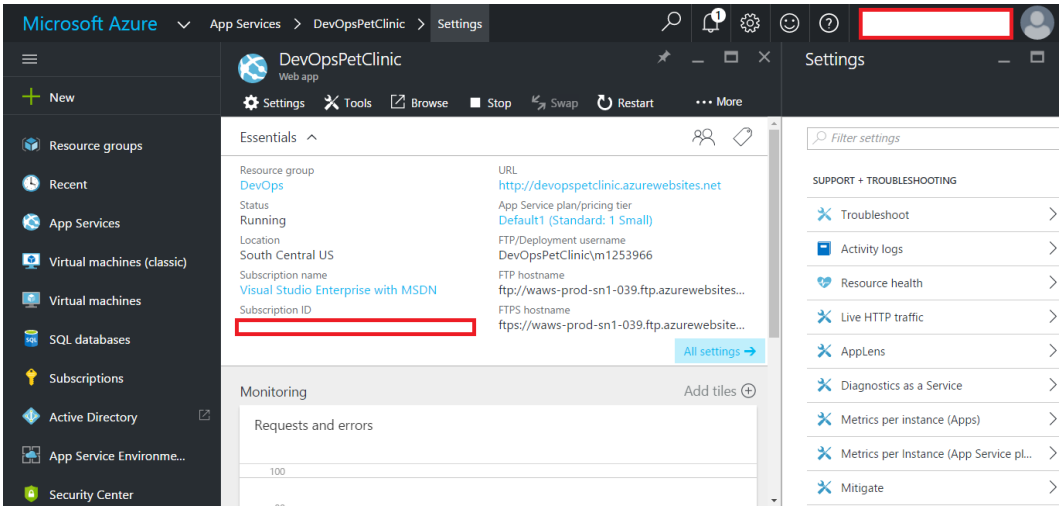
Publish Over FTP Success

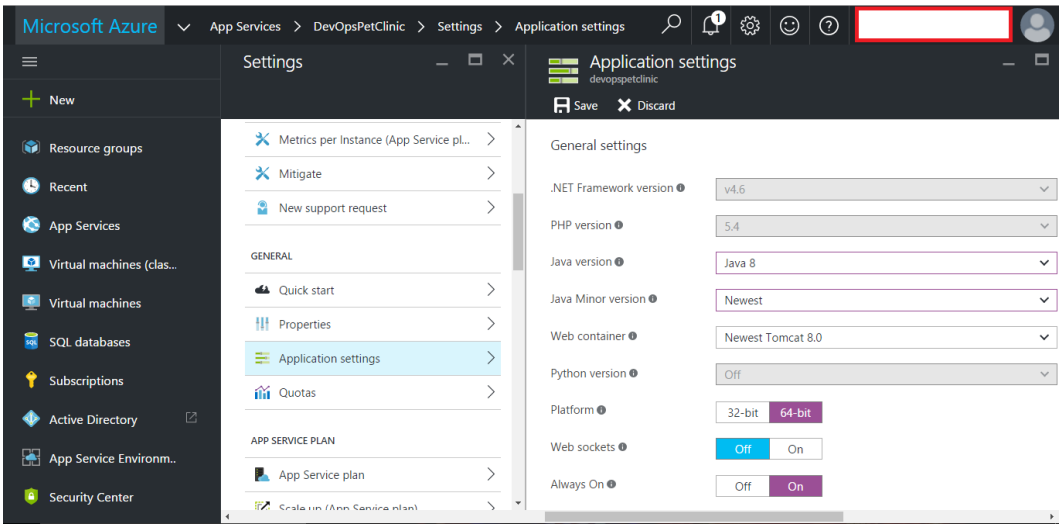
Go back to the top page
(you can start using the installed plugins right away)

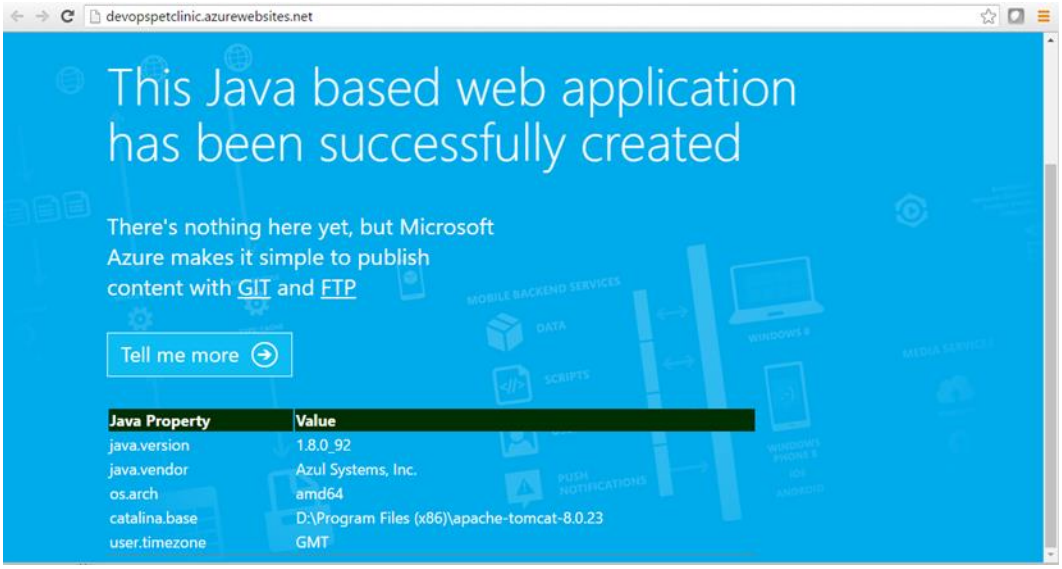
☐ Restart Jenkins when installation is complete and no jobs are running

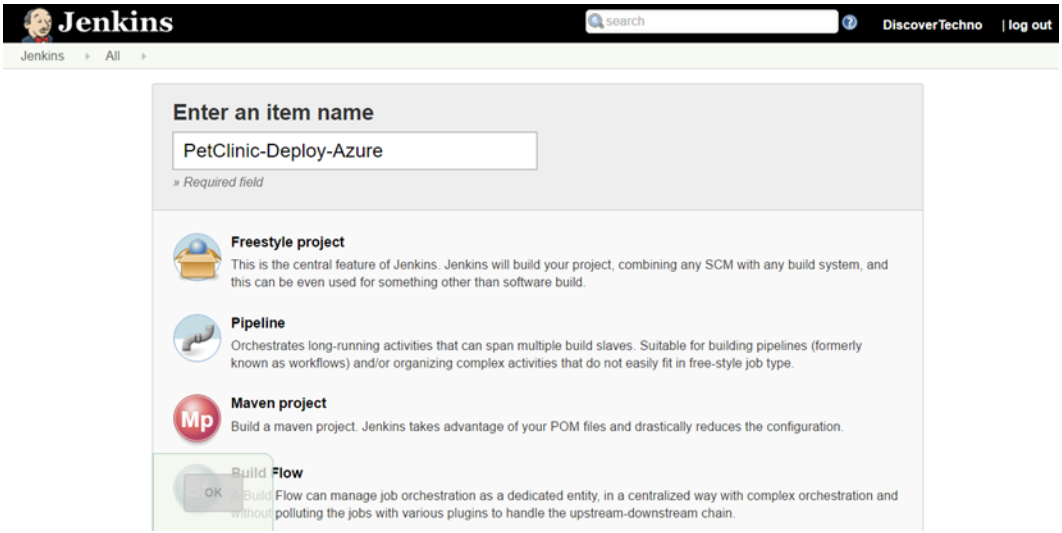

Microsoft Azure
App Services > Web App
New
Resource groups
Recent
App Services
Virtual machines (classic)
Virtual machines
SQL databases
Subscriptions
Active Directory
App Service Environme...
Security Center
Browse
App Services
miteshsoni83outlook (Default Directory)
Add
Columns
Refresh
Subscriptions: Visual Studio Enterprise with MSDN – Don't see a subscription? Switch directories
Filter items...
NAME
Sample9884
SampleApp9883
Web App
* App name
DevOpsPetClinic
.azurewebsites.net
* Subscription
Visual Studio Enterprise with MSDN
* Resource Group
Create new
Use existing
DevOps
* App Service plan/Location
Default1(South Central US)
Pin to dashboard
Create

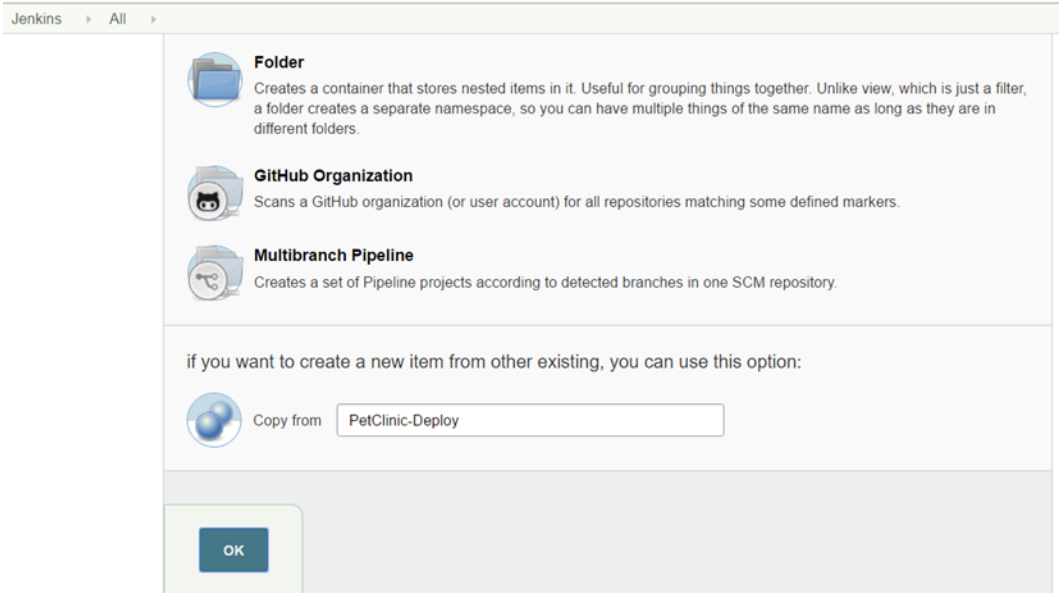

Microsoft Azure
App Services
mitesh.soni@outlook....
MITESHSONI83OUTLOOK (DEF...
New
Resource groups
Recent
App Services
Virtual machines (classic)
Virtual machines
SQL databases
Subscriptions
Active Directory
App Service Environme...
Security Center
App Services
miteshsoni83outlook (Default Directory)
Add
Columns
Refresh
Subscriptions: Visual Studio Enterprise with MSDN – Don't see a subscription? Switch directories
Filter items...
NAME
STATUS
APP TYPE
APP SERVICE PLAN
LOCATION
DevOpsPetClinic
Running
Web app
Default1
South Central US
Sample9884
Running
Web app
Default1
South Central US
SampleApp9883
Running
Web app
Default1
South Central US

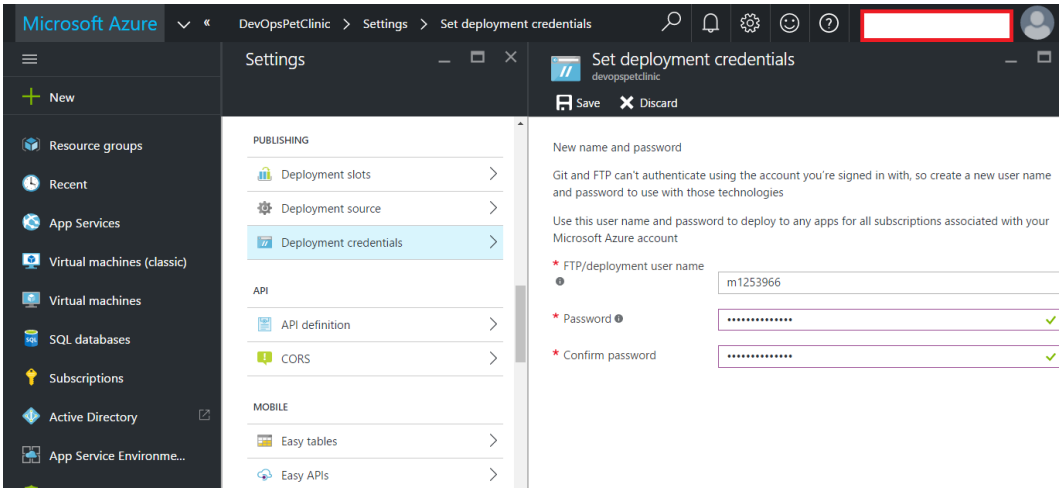

Microsoft Azure
App Services > DevOpsPetClinic > Settings
New
Resource groups
Recent
App Services
Virtual machines (classic)
Virtual machines
SQL databases
Subscriptions
Active Directory
App Service Environme...
Security Center
DevOpsPetClinic
Web app
Settings
Tools
Browse
Stop
Swap
Restart
More
Essentials
Resource group
DevOps
Status
Running
Location
South Central US
Subscription name
Visual Studio Enterprise with MSDN
Subscription ID
URL
http://devopspetclinic.azurewebsites.net
App Service plan/pricing tier
Default1 (Standard: 1 Small)
FTP/Deployment username
DevOpsPetClinic\m1253966
FTP hostname
ftp://waws-prod-sn1-039.ftp.azurewebsites...
FTPS hostname
ftps://waws-prod-sn1-039.ftp.azurewebsite...
All settings
Monitoring
Add tiles
Requests and errors
100
Settings
Filter settings
SUPPORT + TROUBLESHOOTING
Troubleshoot
Activity logs
Resource health
Live HTTP traffic
AppLens
Diagnostics as a Service
Metrics per instance (Apps)
Metrics per Instance (App Service pl...
Mitigate


Microsoft Azure
App Services > DevOpsPetClinic > Settings > Application settings
New
Resource groups
Recent
App Services
Virtual machines (clas...
Virtual machines
SQL databases
Subscriptions
Active Directory
App Service Environm...
Security Center
Settings
Metrics per Instance (App Service pl...
Mitigate
New support request
GENERAL
Quick start
Properties
Application settings
Quotas
APP SERVICE PLAN
App Service plan
Application settings
devopspetclinic
Save
Discard
General settings
.NET Framework version
v4.6
PHP version
5.4
Java version
Java 8
Java Minor version
Newest
Web container
Newest Tomcat 8.0
Python version
Off
Platform
32-bit
64-bit
Web sockets
Off
On
Always On
Off
On


devopspetclinic.azurewebsites.net
This Java based web application has been successfully created
There's nothing here yet, but Microsoft Azure makes it simple to publish content with GIT and FTP
Tell me more
Java Property
Value
java.version
1.8.0_92
java.vendor
Azul Systems, Inc.
os.arch
amd64
catalina.base
D:\Program Files (x86)\apache-tomcat-8.0.23
user.timezone
GMT


Jenkins
search
DiscoverTechno
| log out
Jenkins
All
Enter an item name
PetClinic-Deploy-Azure
» Required field
Freestyle project
This is the central feature of Jenkins. Jenkins will build your project, combining any SCM with any build system, and this can be even used for something other than software build.
Pipeline
Orchestrates long-running activities that can span multiple build slaves. Suitable for building pipelines (formerly known as workflows) and/or organizing complex activities that do not easily fit in free-style job type.
Maven project
Build a maven project. Jenkins takes advantage of your POM files and drastically reduces the configuration.
Build Flow
Build Flow can manage job orchestration as a dedicated entity, in a centralized way with complex orchestration and polluting the jobs with various plugins to handle the upstream-downstream chain.
OK


Jenkins
All
Folder
Creates a container that stores nested items in it. Useful for grouping things together. Unlike view, which is just a filter, a folder creates a separate namespace, so you can have multiple things of the same name as long as they are in different folders.
GitHub Organization
Scans a GitHub organization (or user account) for all repositories matching some defined markers.
Multibranch Pipeline
Creates a set of Pipeline projects according to detected branches in one SCM repository.
if you want to create a new item from other existing, you can use this option:
Copy from
PetClinic-Deploy
OK


Microsoft Azure
DevOpsPetClinic > Settings > Set deployment credentials
Settings
New
Resource groups
Recent
App Services
Virtual machines (classic)
Virtual machines
SQL databases
Subscriptions
Active Directory
App Service Environme...
PUBLISHING
Deployment slots
Deployment source
Deployment credentials
API
API definition
CORS
MOBILE
Easy tables
Easy APIs
Set deployment credentials
devopspetclinic
Save
Discard
New name and password
Git and FTP can't authenticate using the account you're signed in with, so create a new user name and password to use with those technologies
Use this user name and password to deploy to any apps for all subscriptions associated with your Microsoft Azure account
* FTP/deployment user name
m1253966
* Password
* Confirm password

Publish over FTP

FTP Servers

FTP Server

Name: AzureWebApps

Hostname: waws-prod-sn1-039.ftp.azurewebsites.\

Username: DevOpsPetClinic\m12539666

Password: ••

Remote Directory: \site\wwwroot\webapps

Advanced...

Success

Test Configuration

Delete

Add

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/spring-petclinic-4.2.5-SNAPSHOT.war

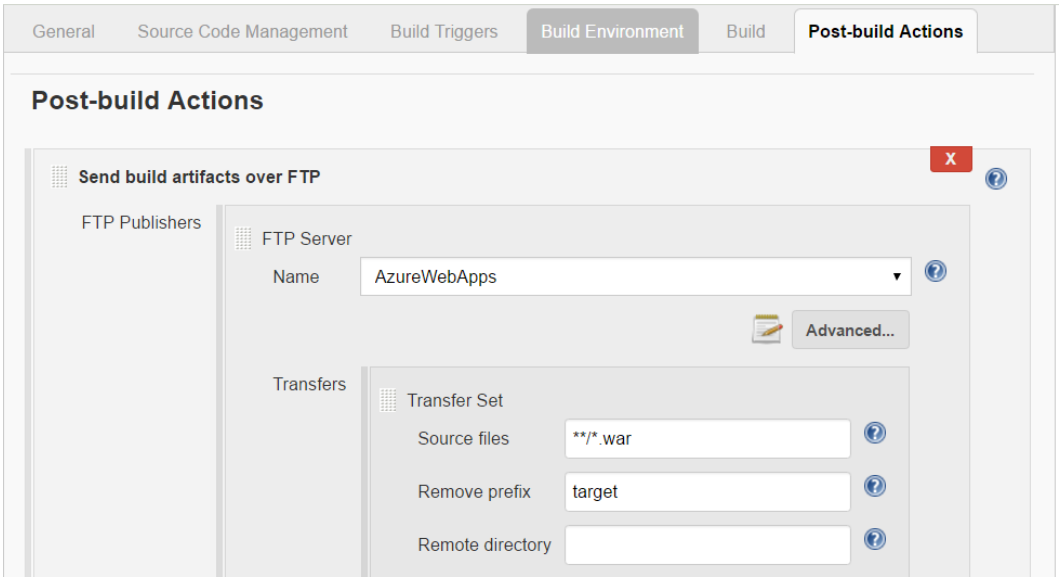
Artifacts not to copy:

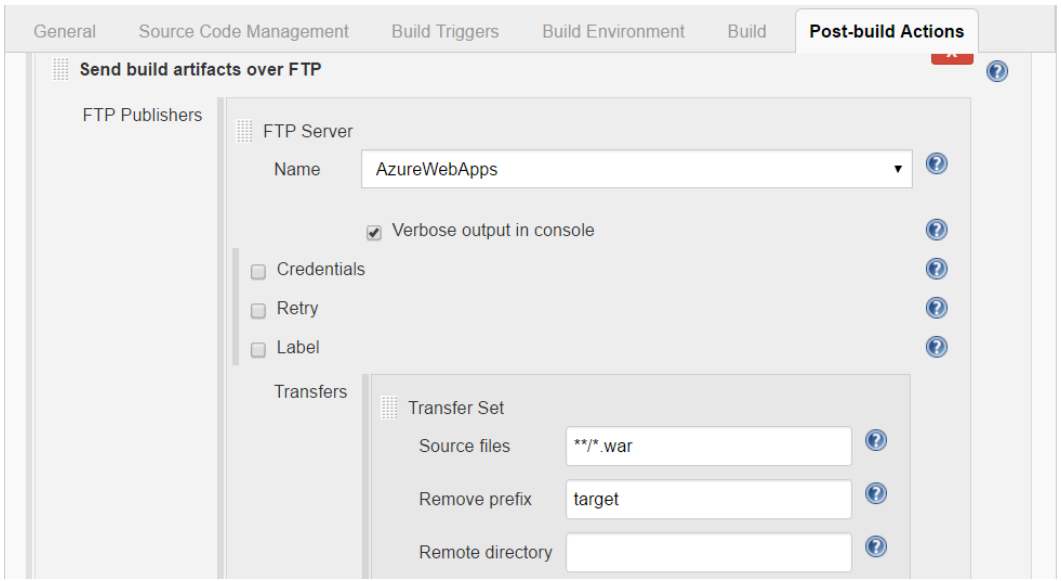
Target directory:

Parameter filters:

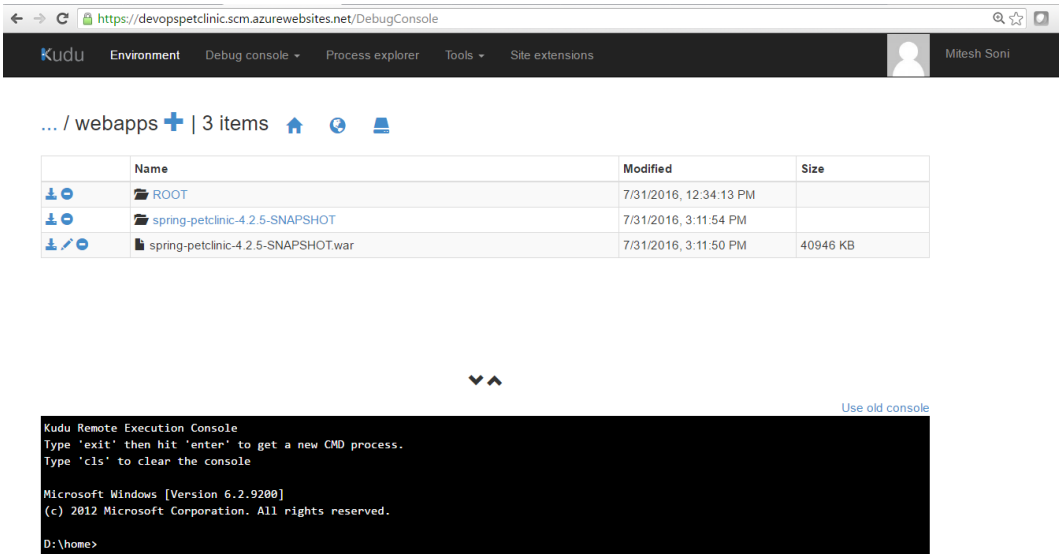
Flatten directories | Optional | Fingerprint Artifacts

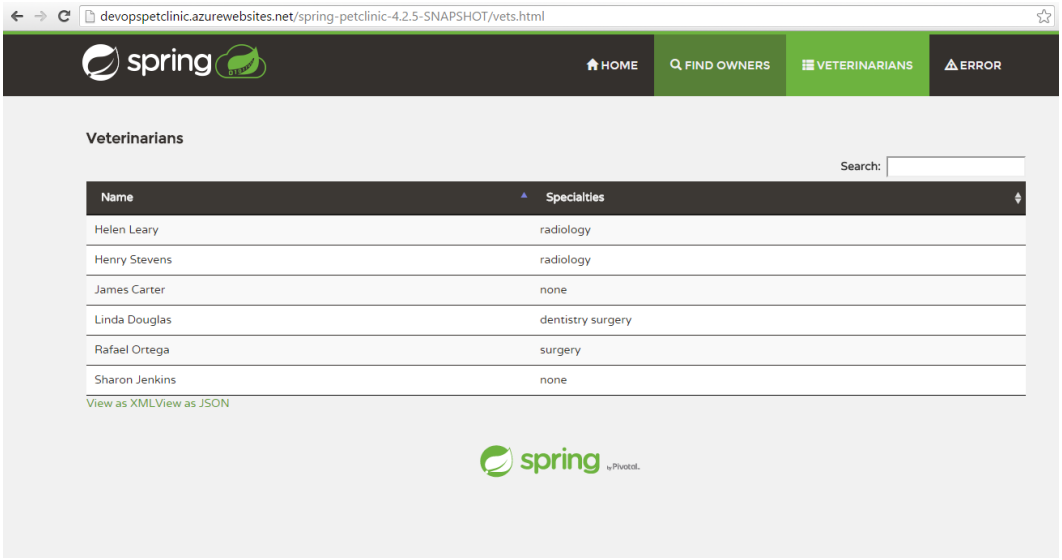
Advanced...

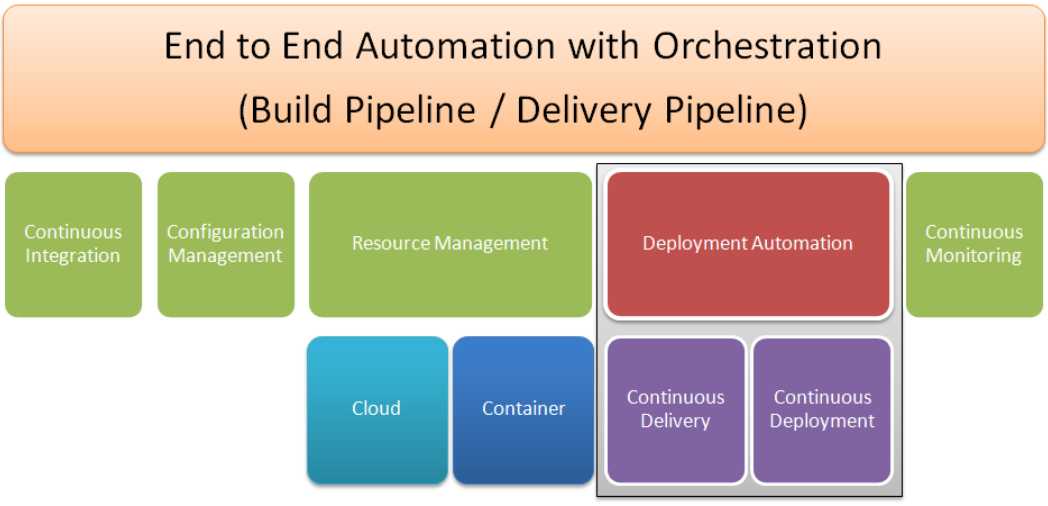

General
Source Code Management
Build Triggers
Build Environment
Build
Post-build Actions
Post-build Actions
Send build artifacts over FTP
FTP Publishers
FTP Server
Name
AzureWebApps
Advanced...
Transfers
Transfer Set
Source files
**/*.war
Remove prefix
target
Remote directory


General
Source Code Management
Build Triggers
Build Environment
Build
Post-build Actions
Send build artifacts over FTP
FTP Publishers
FTP Server
Name
AzureWebApps
Verbose output in console
Credentials
Retry
Label
Transfers
Transfer Set
Source files
**/*.war
Remove prefix
target
Remote directory

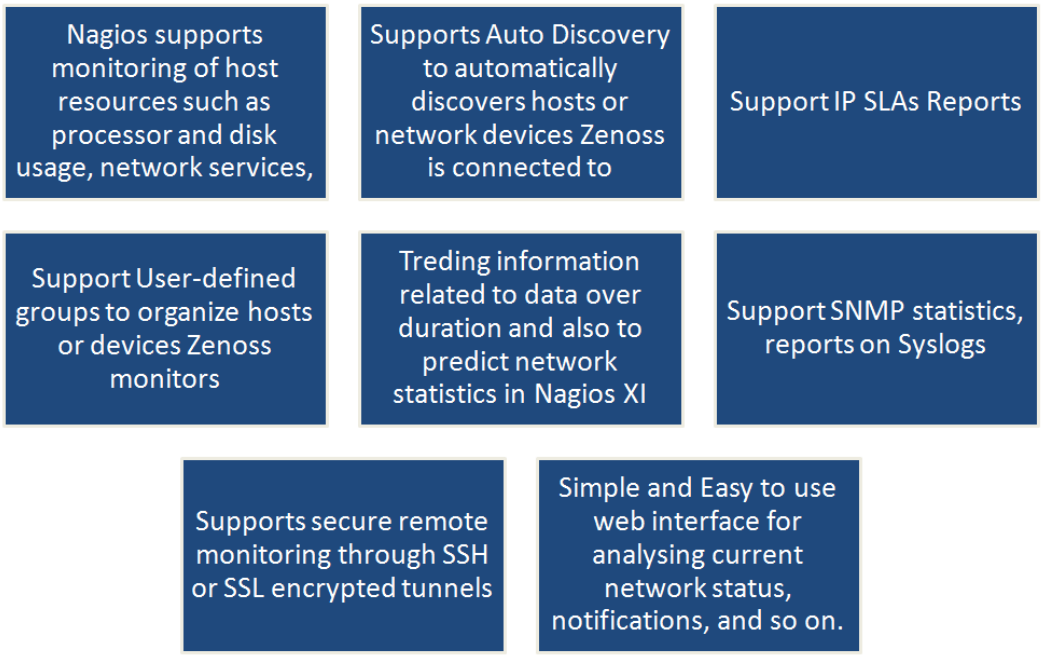
```
Started by user DiscoverTechno
Building on master in workspace /home/mitesh/.jenkins/workspace/PetClinic-Deploy-Azure
Copied 1 artifact from "PetClinic-Test" build number 55
FTP: Connecting from host [devops1]
FTP: Connecting with configuration [AzureWebApps] ...
220 Microsoft FTP Service
FTP: Logging in, command printing disabled
FTP: Logged in, command printing enabled
CWD \site\wwwroot\webapps
250 CWD command successful.
TYPE I
200 Type set to I.
CWD \site\wwwroot\webapps
250 CWD command successful.
PASV
227 Entering Passive Mode (104,210,159,39,39,189).
STOR spring-petclinic-4.2.5-SNAPSHOT.war
125 Data connection already open; Transfer starting.
FTP: Disconnecting configuration [AzureWebApps] ...
```

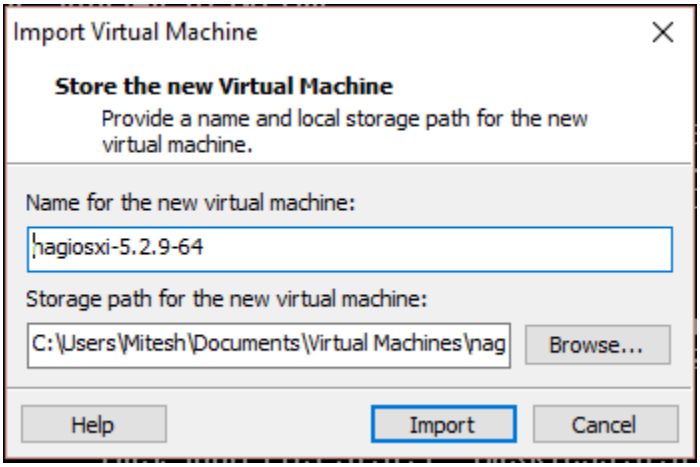


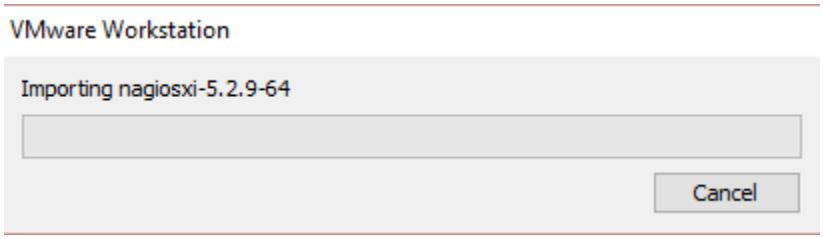

devopspetclinic.azurewebsites.net/spring-petclinic-4.2.5-SNAPSHOT/vets.html
spring
HOME
FIND OWNERS
VETERINARIANS
ERROR
Veterinarians
Search:
Name
Specialties
Helen Leary
radiology
Henry Stevens
radiology
James Carter
none
Linda Douglas
dentistry surgery
Rafael Ortega
surgery
Sharon Jenkins
none
View as XMLView as JSON
spring by Pivotal.


End to End Automation with Orchestration
(Build Pipeline / Delivery Pipeline)
Continuous Integration
Configuration Management
Resource Management
Deployment Automation
Continuous Monitoring
Cloud
Container
Continuous Delivery
Continuous Deployment

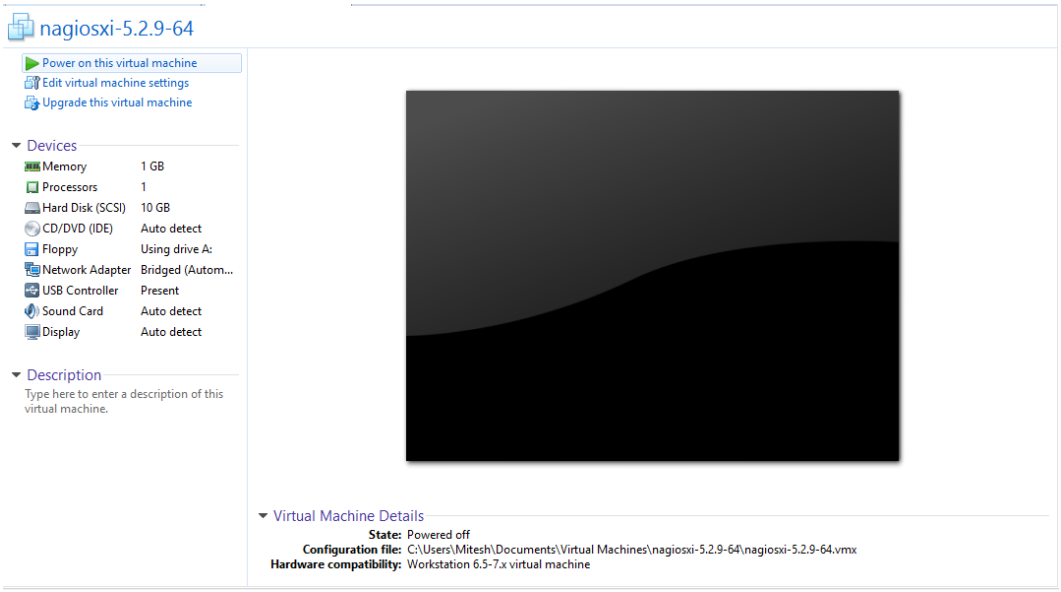
Chapter 8: Monitoring Infrastructure and Applications




Import Virtual Machine
Store the new Virtual Machine
Provide a name and local storage path for the new virtual machine.
Name for the new virtual machine:
nagiosxi-5.2.9-64
Storage path for the new virtual machine:
C:\Users\Mitesh\Documents\Virtual Machines\nag
Browse...
Help
Import
Cancel


VMware Workstation
Importing nagiosxi-5.2.9-64
Cancel

VMware Workstation
Importing nagiosxi-5.2.9-64
Cancel


nagiosxi-5.2.9-64
Power on this virtual machine
Edit virtual machine settings
Upgrade this virtual machine
Devices
Memory 1 GB
Processors 1
Hard Disk (SCSI) 10 GB
CD/DVD (IDE) Auto detect
Floppy Using drive A:
Network Adapter Bridged (Autom...
USB Controller Present
Sound Card Auto detect
Display Auto detect
Description
Type here to enter a description of this virtual machine.
Virtual Machine Details
State: Powered off
Configuration file: C:\Users\Mitesh\Documents\Virtual Machines\nagiosxi-5.2.9-64\nagiosxi-5.2.9-64.vmx
Hardware compatibility: Workstation 6.5-7.x virtual machine

Nagios (R) XI ™
Access Nagios XI at http://192.168.1.38 Default root Password: nagiosxi
CentOS release 6.8 (Final)
Kernel 2.6.32-642.1.1.el6.x86_64 on an x86_64
localhost login: root
Password:
Last login: Fri Apr 5 11:07:12 from 192.168.5.15
[root@localhost ~]# ls
anaconda-ks.cfg install.log install.log.syslog scripts
[root@localhost ~]#

Nagios® XI

Welcome

Click the link below to get started using Nagios XI.

Access Nagios XI

Check for tutorials and updates by visiting the Nagios Library at **library.nagios.com**.

Problems, comments, etc, should be directed to our support forum at **support.nagios.com/forum/**.

Nagios® XI

Nagios XI Installer

Welcome to the Nagios XI installation. Just answer a few simple questions and you'll be ready to go.

General Program Settings

Program URL:	http://192.168.1.38/nagiosxi/
Administrator Name:	Nagios Administrator
Administrator Email Address:	root@localhost
Administrator Username:	nagiosadmin
Administrator Password:	5kerpt

Timezone Settings

Timezone: America/New_York

Install >

Nagios® XI

Installation Complete

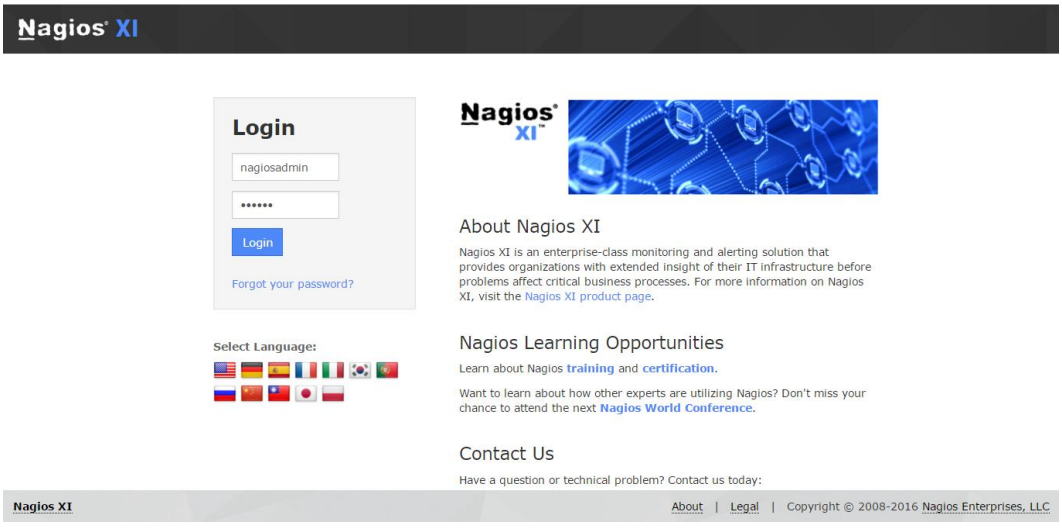
Congratulations! You have successfully installed Nagios XI.

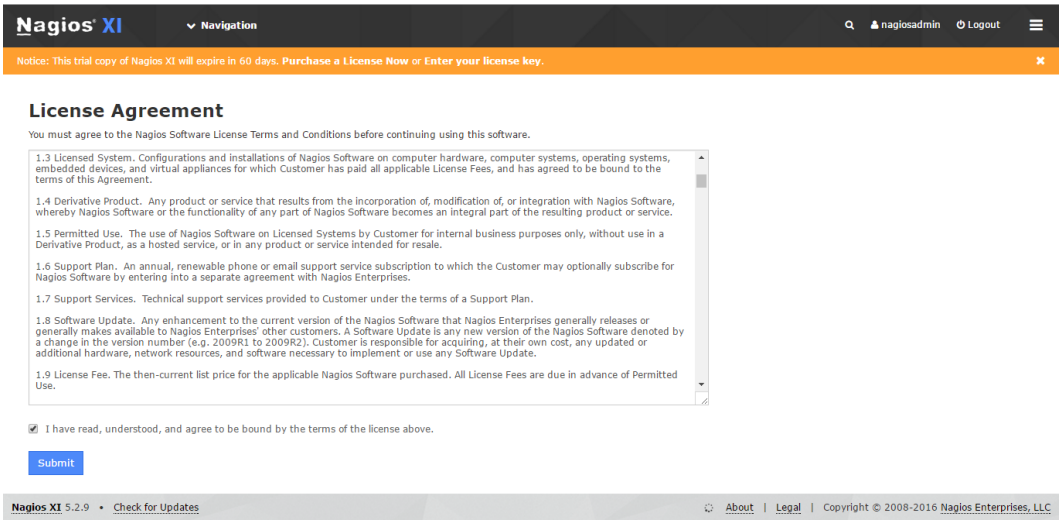
You may now login to Nagios XI using the following credentials:

Username: **nagiosadmin**

Password: **5kerpt**

Login to Nagios XI




Nagios XI
Navigation
nagiosadmin
Logout
Notice: This trial copy of Nagios XI will expire in 60 days. Purchase a License Now or Enter your license key.
License Agreement
You must agree to the Nagios Software License Terms and Conditions before continuing using this software.
1.3 Licensed System. Configurations and installations of Nagios Software on computer hardware, computer systems, operating systems, embedded devices, and virtual appliances for which Customer has paid all applicable License Fees, and has agreed to be bound to the terms of this Agreement.
1.4 Derivative Product. Any product or service that results from the incorporation of, modification of, or integration with Nagios Software, whereby Nagios Software or the functionality of any part of Nagios Software becomes an integral part of the resulting product or service.
1.5 Permitted Use. The use of Nagios Software on Licensed Systems by Customer for internal business purposes only, without use in a Derivative Product, as a hosted service, or in any product or service intended for resale.
1.6 Support Plan. An annual, renewable phone or email support service subscription to which the Customer may optionally subscribe for Nagios Software by entering into a separate agreement with Nagios Enterprises.
1.7 Support Services. Technical support services provided to Customer under the terms of a Support Plan.
1.8 Software Update. Any enhancement to the current version of the Nagios Software that Nagios Enterprises generally releases or generally makes available to Nagios Enterprises' other customers. A Software Update is any new version of the Nagios Software denoted by a change in the version number (e.g. 2009R1 to 2009R2). Customer is responsible for acquiring, at their own cost, any updated or additional hardware, network resources, and software necessary to implement or use any Software Update.
1.9 License Fee. The then-current list price for the applicable Nagios Software purchased. All License Fees are due in advance of Permitted Use.
I have read, understood, and agree to be bound by the terms of the license above.
Submit
Nagios XI 5.2.9 • Check for Updates
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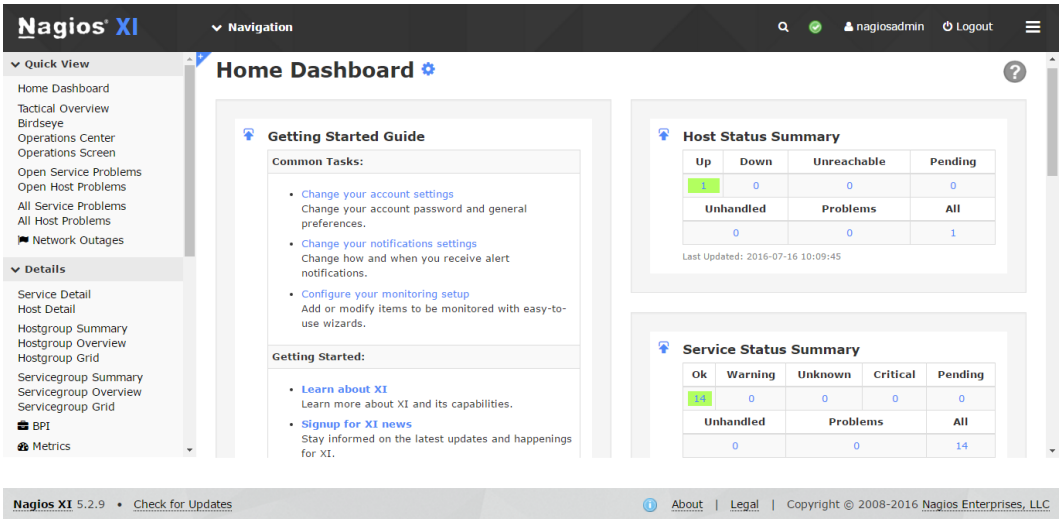
Nagios XI
Navigation
nagiosadmin
Logout
Quick View
Home Dashboard
Tactical Overview
Birdseye
Operations Center
Operations Screen
Open Service Problems
Open Host Problems
All Service Problems
All Host Problems
Network Outages
Details
Service Detail
Host Detail
Hostgroup Summary
Hostgroup Overview
Hostgroup Grid
Servicegroup Summary
Servicegroup Overview
Servicegroup Grid
BPI
Metrics
Home Dashboard
Getting Started Guide
Common Tasks:
Change your account settings
Change your account password and general preferences.
Change your notifications settings
Change how and when you receive alert notifications.
Configure your monitoring setup
Add or modify items to be monitored with easy-to-use wizards.
Getting Started:
Learn about XI
Learn more about XI and its capabilities.
Signup for XI news
Stay informed on the latest updates and happenings for XI.
Host Status Summary
Up | Down | Unreachable | Pending
1 | 0 | 0 | 0
Unhandled | Problems | All
0 | 0 | 1
Last Updated: 2016-07-16 10:09:45
Service Status Summary
Ok | Warning | Unknown | Critical | Pending
14 | 0 | 0 | 0 | 0
Unhandled | Problems | All
0 | 0 | 14
Nagios XI 5.2.9 • Check for Updates
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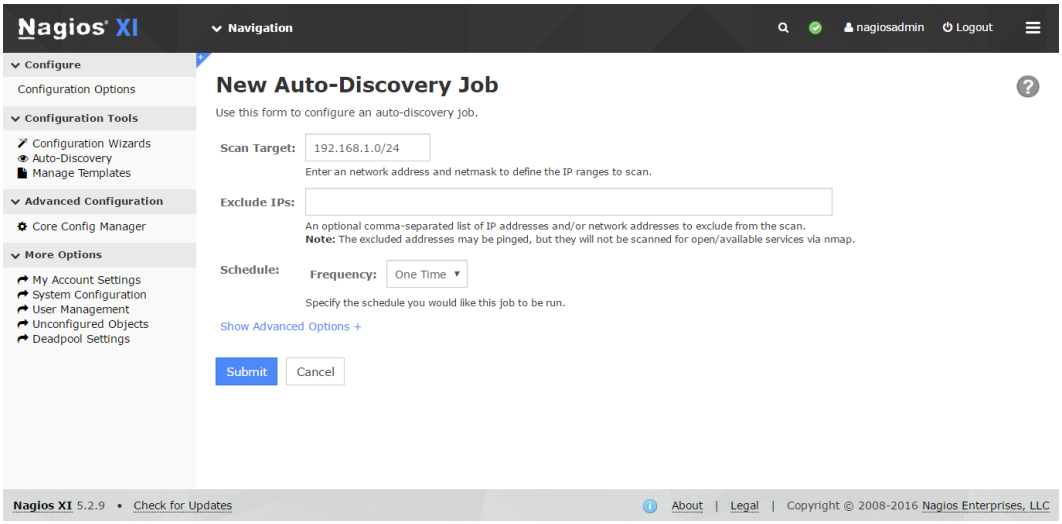
Nagios XI
Navigation
nagiosadmin
Logout
Configure
Configuration Options
Configuration Tools
Configuration Wizards
Auto-Discovery
Manage Templates
Advanced Configuration
Core Config Manager
More Options
My Account Settings
System Configuration
User Management
Unconfigured Objects
Deadpool Settings
New Auto-Discovery Job
Use this form to configure an auto-discovery job.
Scan Target:
192.168.1.0/24
Enter an network address and netmask to define the IP ranges to scan.
Exclude IPs:
An optional comma-separated list of IP addresses and/or network addresses to exclude from the scan.
Note: The excluded addresses may be pinged, but they will not be scanned for open/available services via nmap.
Schedule:
Frequency:
One Time
Specify the schedule you would like this job to be run.
Show Advanced Options +
Submit
Cancel
Nagios XI 5.2.9 • Check for Updates
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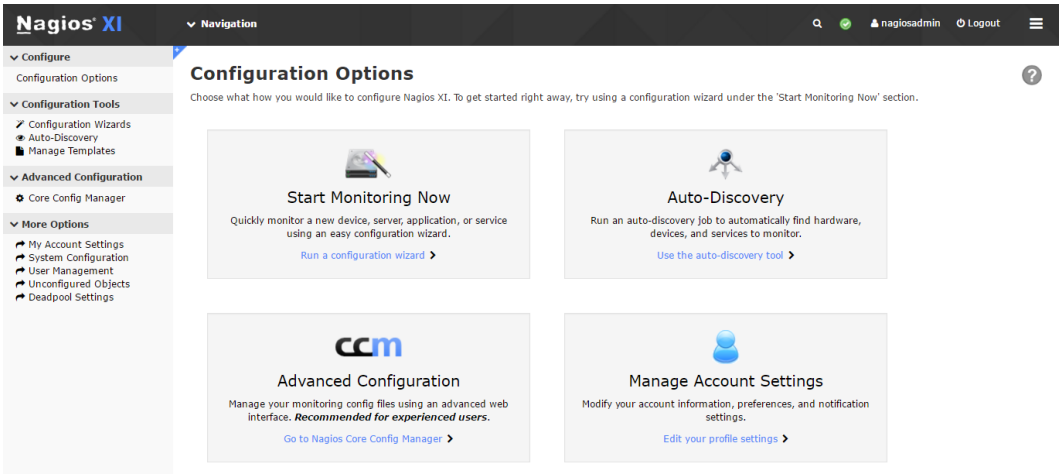
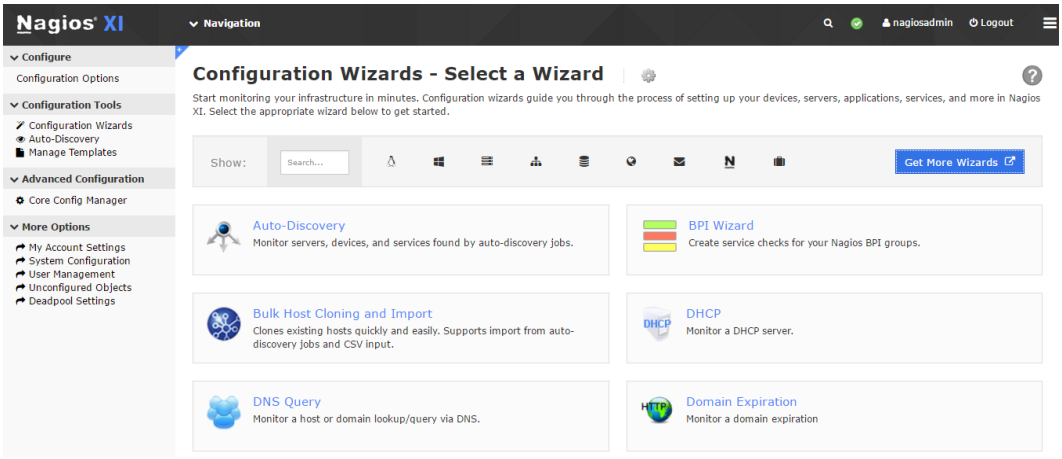

Nagios XI
Navigation
nagiosadmin
Logout
Configure
Configuration Options
Configuration Tools
Configuration Wizards
Auto-Discovery
Manage Templates
Advanced Configuration
Core Config Manager
More Options
My Account Settings
System Configuration
User Management
Unconfigured Objects
Deadpool Settings
Configuration Options
Choose what how you would like to configure Nagios XI. To get started right away, try using a configuration wizard under the 'Start Monitoring Now' section.
Start Monitoring Now
Quickly monitor a new device, server, application, or service using an easy configuration wizard.
Run a configuration wizard
Auto-Discovery
Run an auto-discovery job to automatically find hardware, devices, and services to monitor.
Use the auto-discovery tool
ccm
Advanced Configuration
Manage your monitoring config files using an advanced web interface. Recommended for experienced users.
Go to Nagios Core Config Manager
Manage Account Settings
Modify your account information, preferences, and notification settings.
Edit your profile settings


Nagios XI
Navigation
nagiosadmin
Logout
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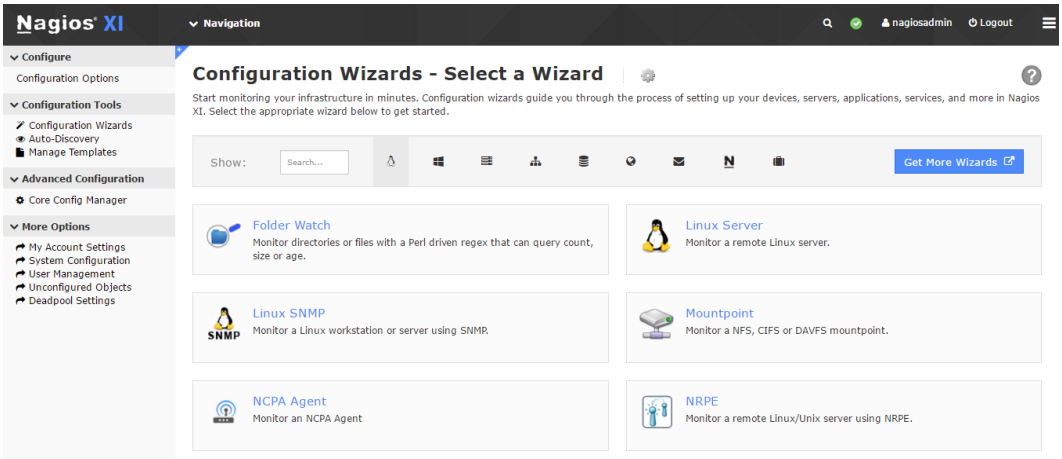
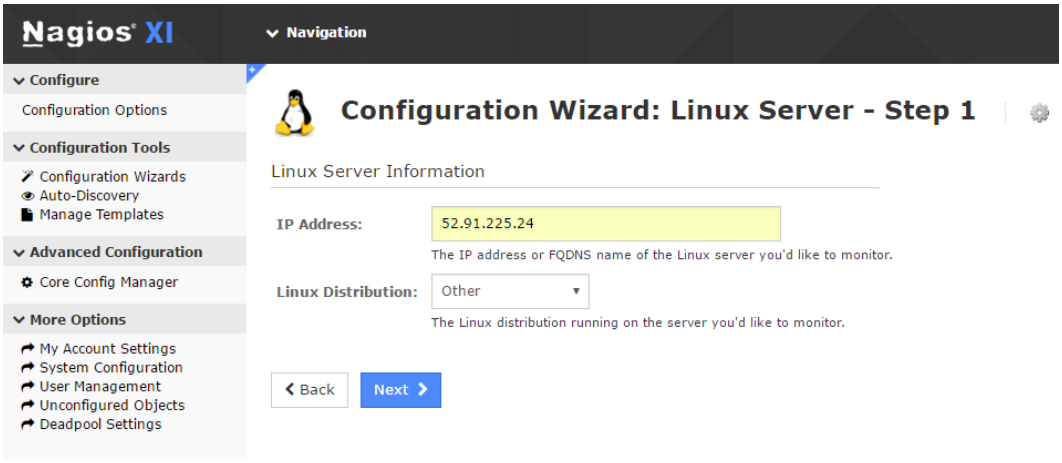
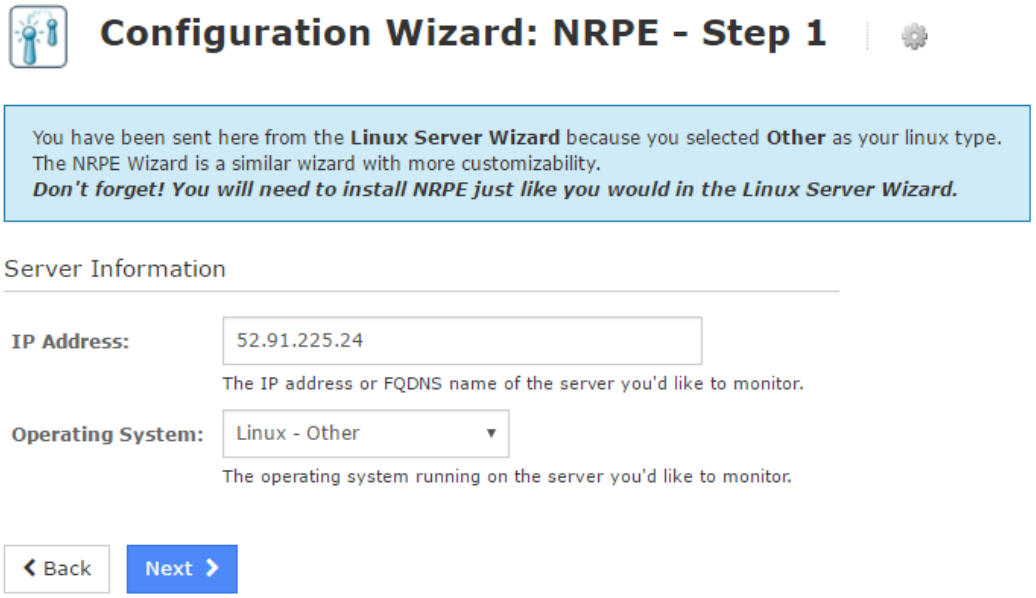
Configuration Options
Configuration Tools
Configuration Wizards
Auto-Discovery
Manage Templates
Advanced Configuration
Core Config Manager
More Options
My Account Settings
System Configuration
User Management
Unconfigured Objects
Deadpool Settings
Configuration Wizards - Select a Wizard
Start monitoring your infrastructure in minutes. Configuration wizards guide you through the process of setting up your devices, servers, applications, services, and more in Nagios XI. Select the appropriate wizard below to get started.
Show:
Search...
Get More Wizards
Auto-Discovery
Monitor servers, devices, and services found by auto-discovery jobs.
BPI Wizard
Create service checks for your Nagios BPI groups.
Bulk Host Cloning and Import
Clones existing hosts quickly and easily. Supports import from auto-discovery jobs and CSV input.
DHCP
Monitor a DHCP server.
DNS Query
Monitor a host or domain lookup/query via DNS.
Domain Expiration
Monitor a domain expiration


Nagios XI
Navigation
nagiosadmin
Logout
Configure
Configuration Options
Configuration Tools
Configuration Wizards
Auto-Discovery
Manage Templates
Advanced Configuration
Core Config Manager
More Options
My Account Settings
System Configuration
User Management
Unconfigured Objects
Deadpool Settings
Configuration Wizards - Select a Wizard
Start monitoring your infrastructure in minutes. Configuration wizards guide you through the process of setting up your devices, servers, applications, services, and more in Nagios XI. Select the appropriate wizard below to get started.
Show:
Search...
Get More Wizards
Folder Watch
Monitor directories or files with a Perl driven regex that can query count, size or age.
Linux Server
Monitor a remote Linux server.
Linux SNMP
Monitor a Linux workstation or server using SNMP.
Mountpoint
Monitor a NFS, CIFS or DAVFS mountpoint.
NCPA Agent
Monitor an NCPA Agent
NRPE
Monitor a remote Linux/Unix server using NRPE.


Nagios XI
Navigation
Configure
Configuration Options
Configuration Tools
Configuration Wizards
Auto-Discovery
Manage Templates
Advanced Configuration
Core Config Manager
More Options
My Account Settings
System Configuration
User Management
Unconfigured Objects
Deadpool Settings
Configuration Wizard: Linux Server - Step 1
Linux Server Information
IP Address:
52.91.225.24
The IP address or FQDNS name of the Linux server you'd like to monitor.
Linux Distribution:
Other
The Linux distribution running on the server you'd like to monitor.
Back
Next


Configuration Wizard: NRPE - Step 1
You have been sent here from the Linux Server Wizard because you selected Other as your linux type.
The NRPE Wizard is a similar wizard with more customizability.
Don't forget! You will need to install NRPE just like you would in the Linux Server Wizard.
Server Information
IP Address:
52.91.225.24
The IP address or FQDNS name of the server you'd like to monitor.
Operating System:
Linux - Other
The operating system running on the server you'd like to monitor.
Back
Next

Configuration Wizard: NRPE - Step 2

Server Details

IP Address: 52.91.225.24

Operating System:
Linux

Host Name: ec2
The name you'd like to have associated with this host.

NRPE Agent

Specify options that should be used to communicate with the remote NRPE agent.

SSL Encryption: Enabled (Default)
Determines whether or not data between the Nagios XI server and NRPE agent is encrypted.
Note: Legacy NRPE installations may require that SSL support be disabled.

Server Metrics

Specify which services you'd like to monitor for the server.

Configuration Wizard: NRPE - Step 3

Monitoring Settings

Define basic parameters that determine how the host and service(s) should be monitored.

Under normal circumstances:

Monitor the host and service(s) every 5 minutes.

When a potential problem is first detected:

Re-check the host and service(s) every 1 minutes up to 5 times before generating an alert.

Back Next Finish

Configuration Wizard: NRPE - Step 4

Notification Settings

Define basic parameters that determine how notifications should be sent for the host and service(s).

When a problem is detected:

- ( ) Don't send any notifications
- (•) Send a notification immediately
- ( ) Wait [15] minutes before sending a notification

If problems persist:

Send a notification every [60] minutes until the problem is resolved.

Send alert notifications to:

- [x] Myself (Adjust my settings)
- [x] Other individual contacts
  - [ ] Default Contact (xi_default_contact)

Configuration Wizard: NRPE - Step 5

Host Groups

Define which hostgroup(s) the monitored host should belong to (if any).

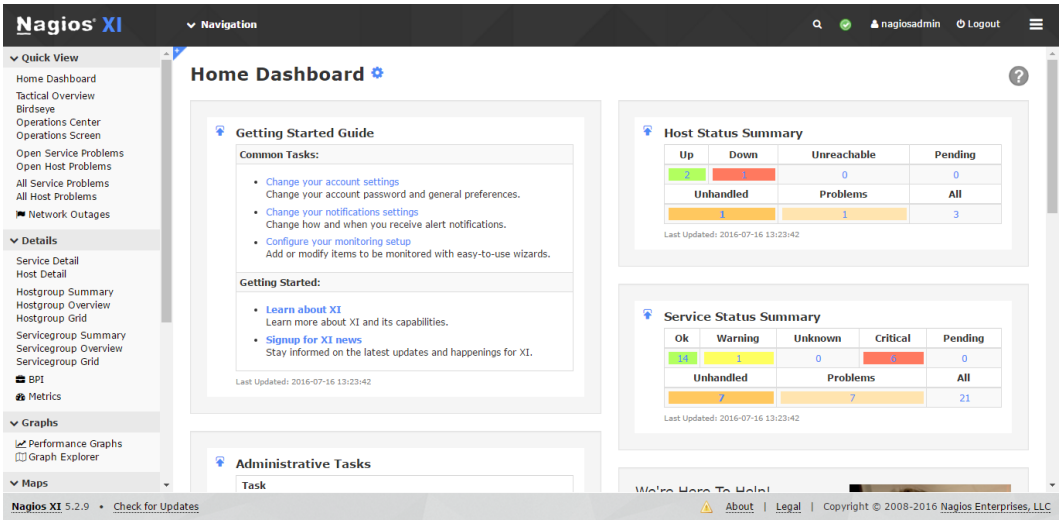
- [x] Linux Servers (linux-servers)

Configuration Wizard: NRPE - Final Step

Final Settings

Click **Apply** to add your new configuration.

Back | Apply | Save as Template


Nagios XI
Navigation
nagiosadmin
Logout
Quick View
Home Dashboard
Tactical Overview
Birdseye
Operations Center
Operations Screen
Open Service Problems
Open Host Problems
All Service Problems
All Host Problems
Network Outages
Details
Service Detail
Host Detail
Hostgroup Summary
Hostgroup Overview
Hostgroup Grid
Servicegroup Summary
Servicegroup Overview
Servicegroup Grid
BPI
Metrics
Graphs
Performance Graphs
Graph Explorer
Maps
Home Dashboard
Getting Started Guide
Common Tasks:
Change your account settings
Change your account password and general preferences.
Change your notifications settings
Change how and when you receive alert notifications.
Configure your monitoring setup
Add or modify items to be monitored with easy-to-use wizards.
Getting Started:
Learn about XI
Learn more about XI and its capabilities.
Signup for XI news
Stay informed on the latest updates and happenings for XI.
Last Updated: 2016-07-16 13:23:42
Host Status Summary
Up Down Unreachable Pending
2 1 0 0
Unhandled Problems All
1 1 3
Last Updated: 2016-07-16 13:23:42
Service Status Summary
Ok Warning Unknown Critical Pending
14 1 0 6 0
Unhandled Problems All
7 7 21
Last Updated: 2016-07-16 13:23:42
Administrative Tasks
Task
Nagios XI 5.2.9 • Check for Updates
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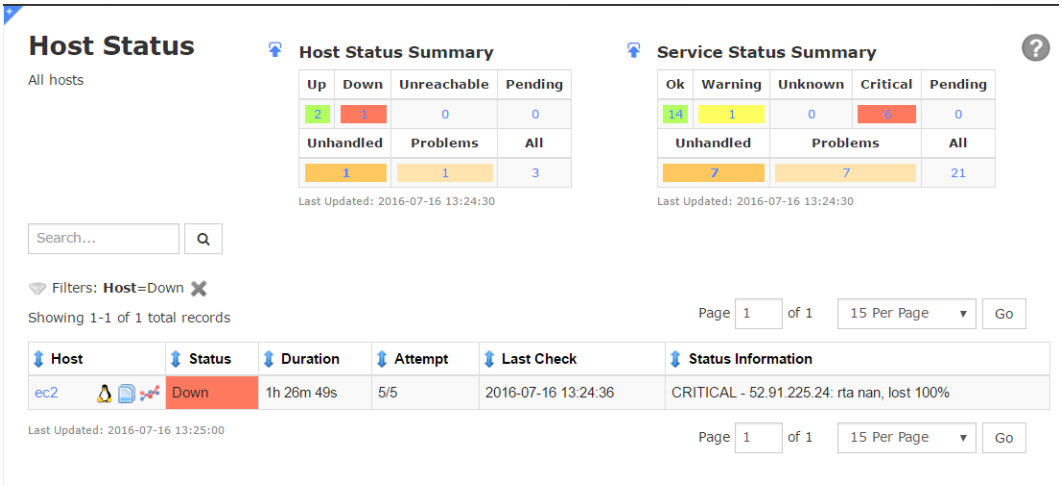
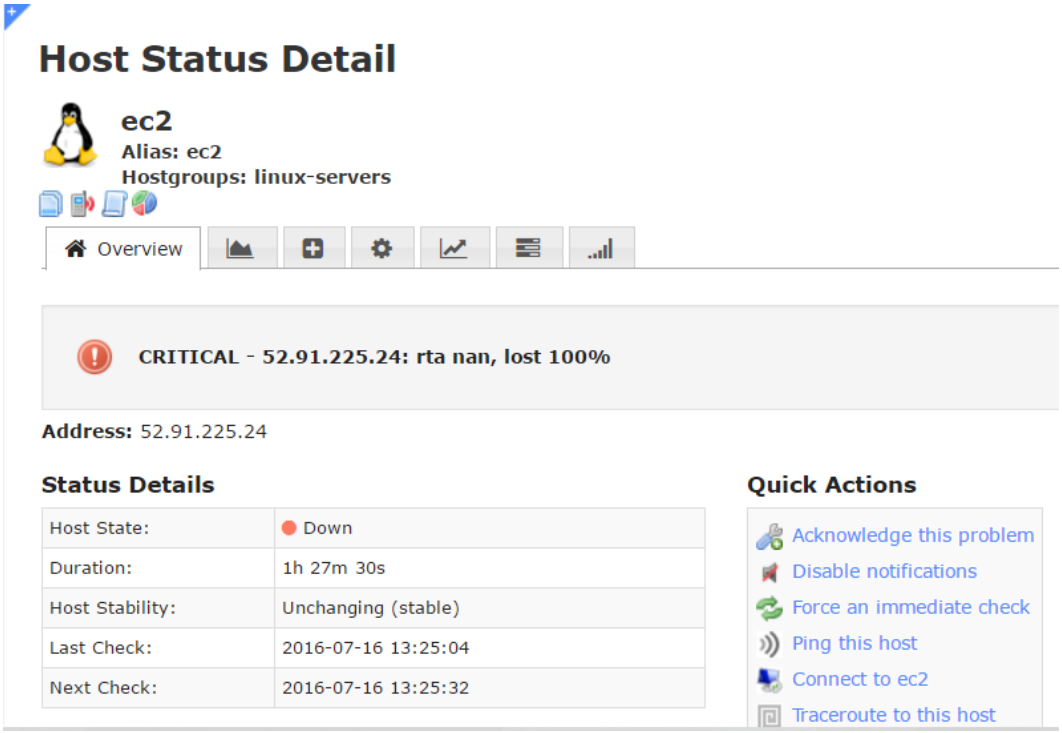
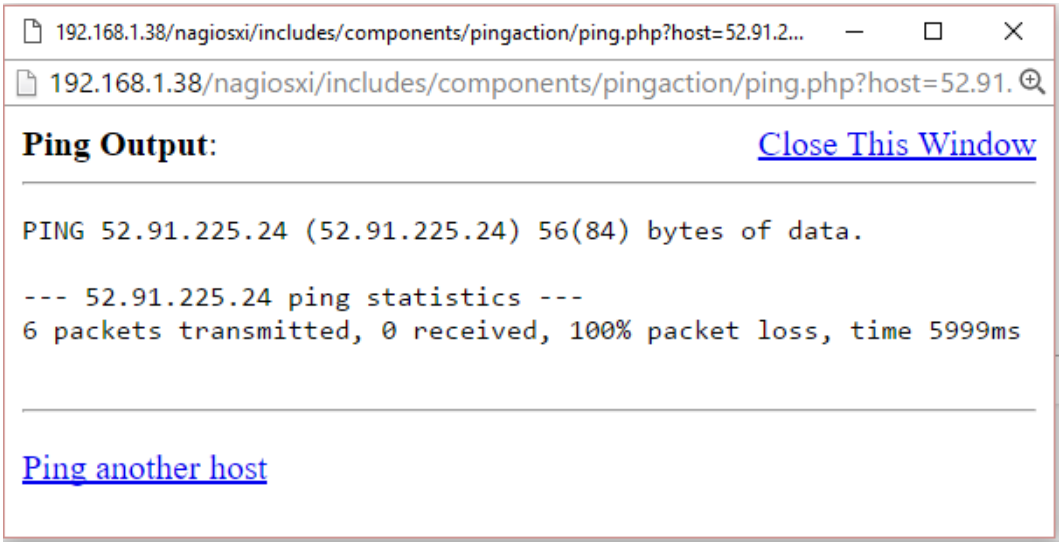

Host Status
All hosts
Host Status Summary
Up Down Unreachable Pending
2 1 0 0
Unhandled Problems All
1 1 3
Last Updated: 2016-07-16 13:24:30
Service Status Summary
Ok Warning Unknown Critical Pending
14 1 0 6 0
Unhandled Problems All
7 7 21
Last Updated: 2016-07-16 13:24:30
Search...
Filters: Host=Down
Showing 1-1 of 1 total records
Page 1 of 1 15 Per Page Go
Host Status Information
ec2 Down 1h 26m 49s 5/5 2016-07-16 13:24:36 CRITICAL - 52.91.225.24: rta nan, lost 100%
Last Updated: 2016-07-16 13:25:00
Page 1 of 1 15 Per Page Go


Host Status Detail
ec2
Alias: ec2
Hostgroups: linux-servers
Overview
CRITICAL - 52.91.225.24: rta nan, lost 100%
Address: 52.91.225.24
Status Details
Host State: Down
Duration: 1h 27m 30s
Host Stability: Unchanging (stable)
Last Check: 2016-07-16 13:25:04
Next Check: 2016-07-16 13:25:32
Quick Actions
Acknowledge this problem
Disable notifications
Force an immediate check
Ping this host
Connect to ec2
Traceroute to this host


192.168.1.38/nagiosxi/includes/components/pingaction/ping.php?host=52.91.2...
192.168.1.38/nagiosxi/includes/components/pingaction/ping.php?host=52.91.
Ping Output:
Close This Window
PING 52.91.225.24 (52.91.225.24) 56(84) bytes of data.
--- 52.91.225.24 ping statistics ---
6 packets transmitted, 0 received, 100% packet loss, time 5999ms
Ping another host

192.168.1.38/nagiosxi/includes/components/pingaction/ping.php?host=52.91.225.24&cm...

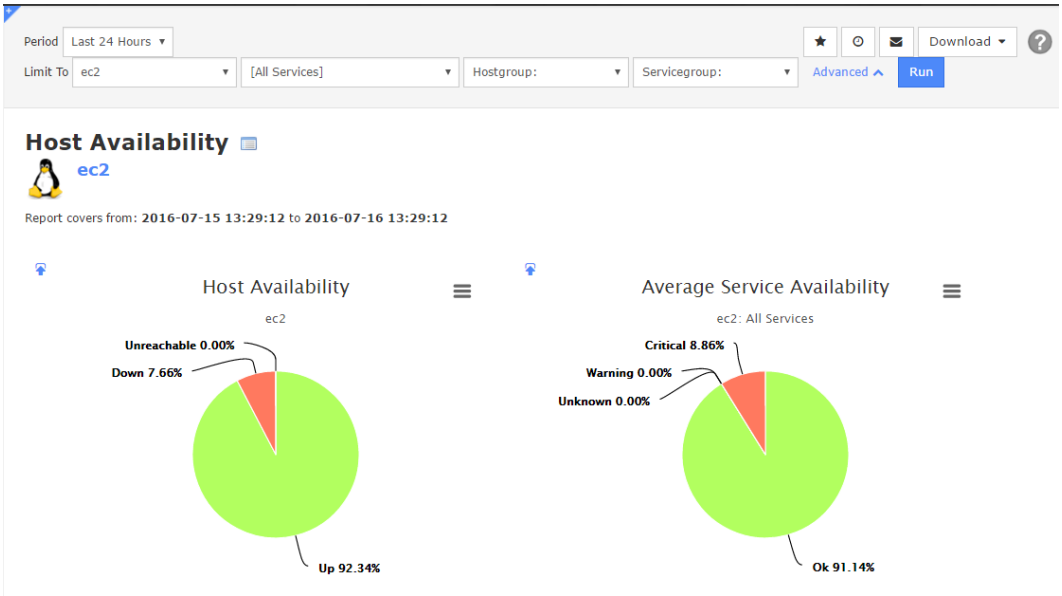
192.168.1.38/nagiosxi/includes/components/pingaction/ping.php?host=52.91.225.24&

Ping Output: Close This Window

```
PING 52.91.225.24 (52.91.225.24) 56(84) bytes of data.
64 bytes from 52.91.225.24: icmp_seq=1 ttl=240 time=243 ms
64 bytes from 52.91.225.24: icmp_seq=2 ttl=240 time=242 ms
64 bytes from 52.91.225.24: icmp_seq=3 ttl=240 time=241 ms
64 bytes from 52.91.225.24: icmp_seq=4 ttl=240 time=741 ms
64 bytes from 52.91.225.24: icmp_seq=5 ttl=240 time=930 ms

--- 52.91.225.24 ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 4932ms
rtt min/avg/max/mdev = 241.612/479.757/930.316/296.754 ms
```

Ping another host

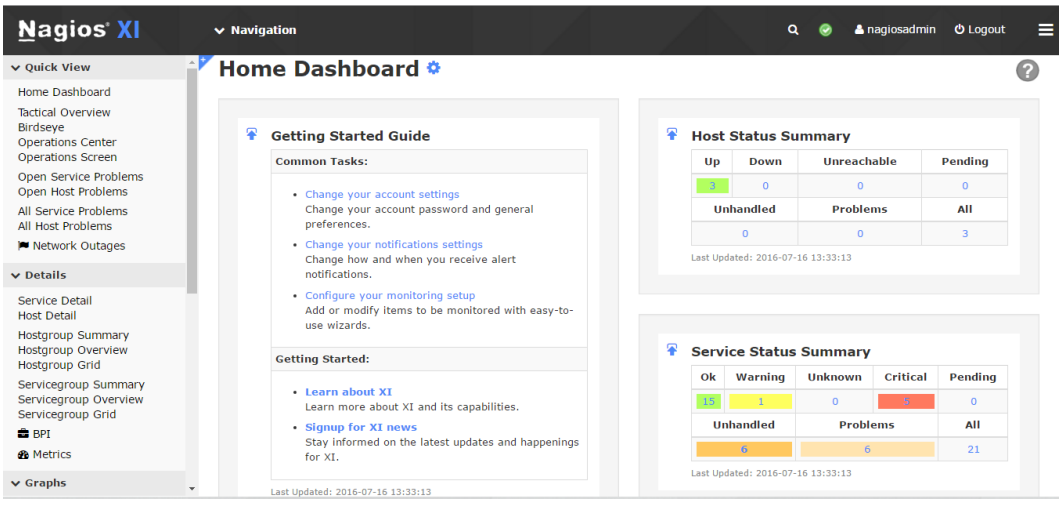


Host Data

Host	UP	Down	Unreachable
ec2	92.344%	7.656%	0%

Service Data

Host	Service	Ok	Warning	Unknown	Critical
ec2	Current Load	90.662%	0%	0%	9.338%
	Current Users	90.676%	0%	0%	9.324%
	Ping	92.419%	0%	0%	7.581%
	Total Processes	90.792%	0%	0%	9.208%
	Average	91.137%	0.000%	0.000%	8.863%



Host Status Detail

ec2
Alias: ec2
Hostgroups: linux-servers

Overview

OK - 52.91.225.24: rta 1022.218ms, lost 20%

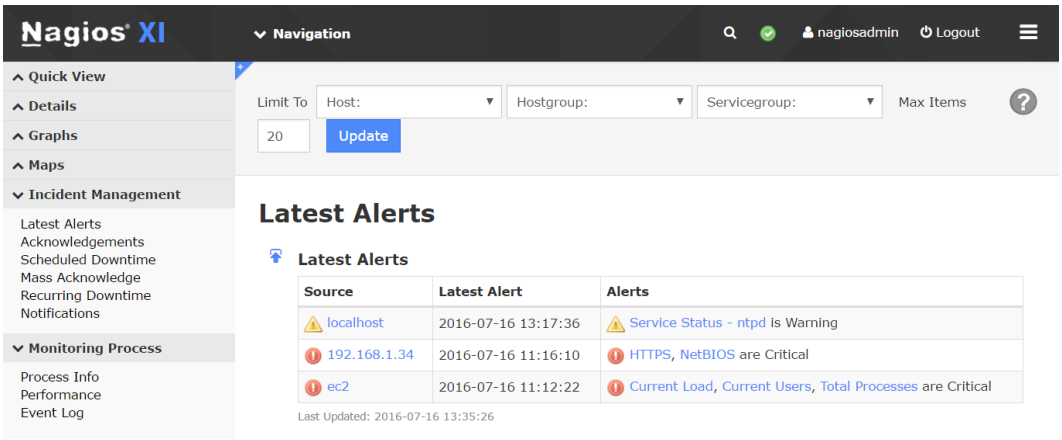
Address: 52.91.225.24

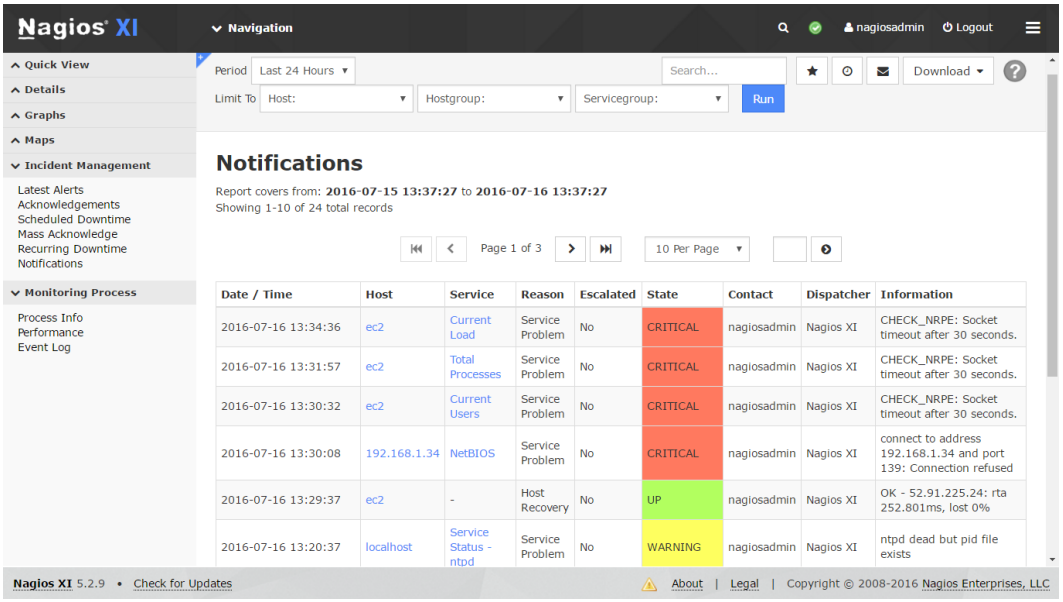
Status Details

Host State:	Up
Duration:	6m 52s
Host Stability:	Unchanging (stable)
Last Check:	2016-07-16 13:35:32
Next Check:	2016-07-16 13:40:42

Quick Actions

- Disable notifications
- Force an immediate check
- Ping this host
- Connect to ec2
- Traceroute to this host




Nagios XI
Navigation
nagiosadmin
Logout
Quick View
Details
Graphs
Maps
Incident Management
Latest Alerts
Acknowledgements
Scheduled Downtime
Mass Acknowledge
Recurring Downtime
Notifications
Monitoring Process
Process Info
Performance
Event Log
Period
Last 24 Hours
Search...
Download
Limit To
Host:
Hostgroup:
Servicegroup:
Run
Notifications
Report covers from: 2016-07-15 13:37:27 to 2016-07-16 13:37:27
Showing 1-10 of 24 total records
Page 1 of 3
10 Per Page
Date / Time | Host | Service | Reason | Escalated | State | Contact | Dispatcher | Information
2016-07-16 13:34:36 | ec2 | Current Load | Service Problem | No | CRITICAL | nagiosadmin | Nagios XI | CHECK_NRPE: Socket timeout after 30 seconds.
2016-07-16 13:31:57 | ec2 | Total Processes | Service Problem | No | CRITICAL | nagiosadmin | Nagios XI | CHECK_NRPE: Socket timeout after 30 seconds.
2016-07-16 13:30:32 | ec2 | Current Users | Service Problem | No | CRITICAL | nagiosadmin | Nagios XI | CHECK_NRPE: Socket timeout after 30 seconds.
2016-07-16 13:30:08 | 192.168.1.34 | NetBIOS | Service Problem | No | CRITICAL | nagiosadmin | Nagios XI | connect to address 192.168.1.34 and port 139: Connection refused
2016-07-16 13:29:37 | ec2 | - | Host Recovery | No | UP | nagiosadmin | Nagios XI | OK - 52.91.225.24: rta 252.801ms, lost 0%
2016-07-16 13:20:37 | localhost | Service Status - ntpd | Service Problem | No | WARNING | nagiosadmin | Nagios XI | ntpd dead but pid file exists
Nagios XI 5.2.9 • Check for Updates
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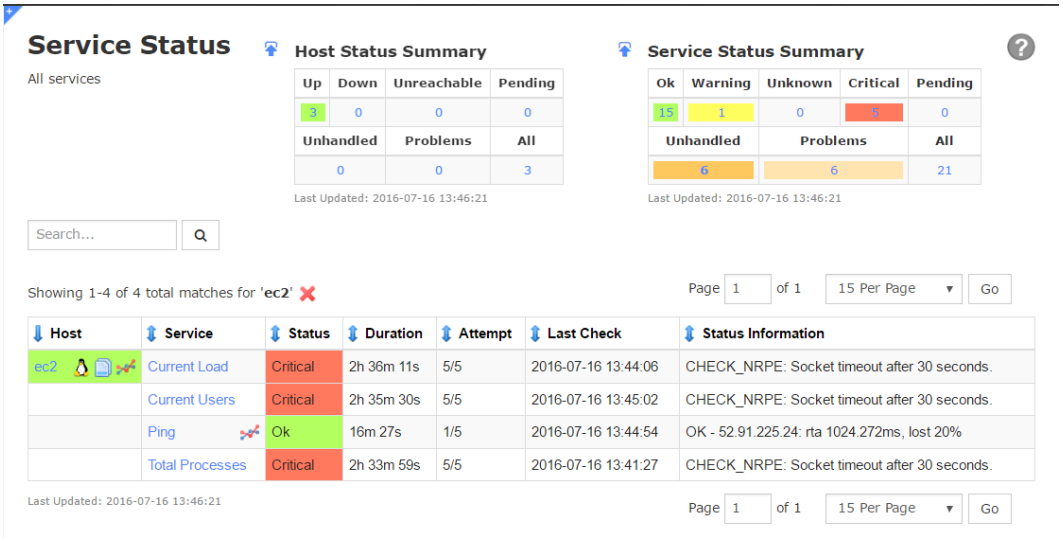

Service Status
All services
Host Status Summary
Up | Down | Unreachable | Pending
3 | 0 | 0 | 0
Unhandled | Problems | All
0 | 0 | 3
Last Updated: 2016-07-16 13:46:21
Service Status Summary
Ok | Warning | Unknown | Critical | Pending
15 | 1 | 0 | 5 | 0
Unhandled | Problems | All
6 | 6 | 21
Last Updated: 2016-07-16 13:46:21
Search...
Showing 1-4 of 4 total matches for 'ec2'
Page 1 of 1
15 Per Page
Go
Host | Service | Status | Duration | Attempt | Last Check | Status Information
ec2 | Current Load | Critical | 2h 36m 11s | 5/5 | 2016-07-16 13:44:06 | CHECK_NRPE: Socket timeout after 30 seconds.
Current Users | Critical | 2h 35m 30s | 5/5 | 2016-07-16 13:45:02 | CHECK_NRPE: Socket timeout after 30 seconds.
Ping | Ok | 16m 27s | 1/5 | 2016-07-16 13:44:54 | OK - 52.91.225.24: rta 1024.272ms, lost 20%
Total Processes | Critical | 2h 33m 59s | 5/5 | 2016-07-16 13:41:27 | CHECK_NRPE: Socket timeout after 30 seconds.
Last Updated: 2016-07-16 13:46:21
Page 1 of 1
15 Per Page
Go

Host Status

All hosts

Host Status Summary

Up	Down	Unreachable	Pending
3	0	0	0
Unhandled	**Problems**	**All**	
0	0	3	

Last Updated: 2016-07-16 13:47:06

Service Status Summary

Ok	Warning	Unknown	Critical	Pending
15	1	0	5	0
Unhandled		**Problems**		**All**
6		6		21

Last Updated: 2016-07-16 13:47:06

Search...

Showing 1-3 of 3 total records

Page 1 of 1 15 Per Page Go

Host	Status	Duration	Attempt	Last Check	Status Information
192.168.1.34	Up	1h 27m 51s	1/5	2016-07-16 13:45:08	OK - 192.168.1.34: rta 2.659ms, lost 0%
ec2	Up	17m 29s	1/5	2016-07-16 13:45:32	OK - 52.91.225.24: rta 901.601ms, lost 0%
localhost	Up	3h 53m 33s	1/10	2016-07-16 13:45:31	OK - 127.0.0.1: rta 0.021ms, lost 0%

Last Updated: 2016-07-16 13:47:06

Page 1 of 1 15 Per Page Go

Host Group Status

Grid View

Host Status Summary

Up	Down	Unreachable	Pending
2	1	0	0
Unhandled	**Problems**	**All**	
1	1	3	

Last Updated: 2016-07-16 13:48:03

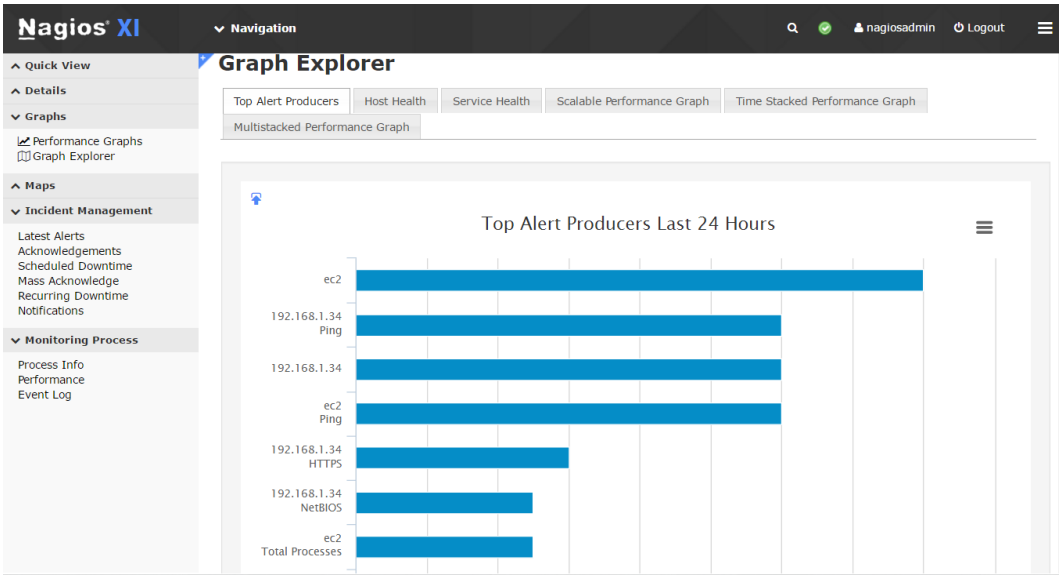
Service Status Summary

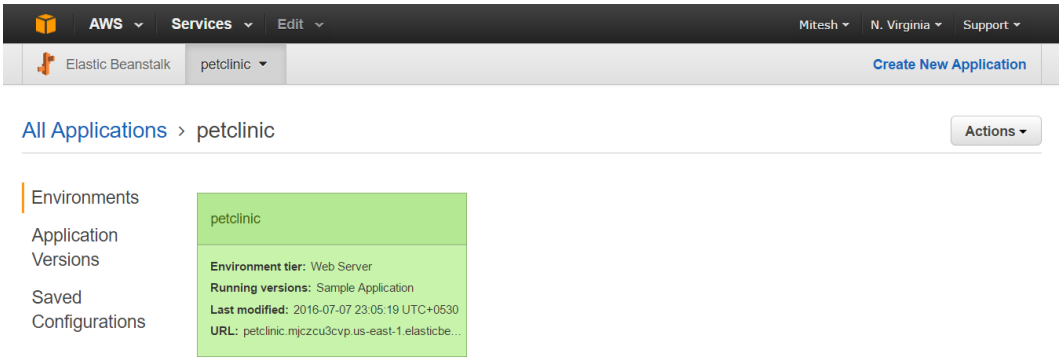
Ok	Warning	Unknown	Critical	Pending
15	1	0	5	0
Unhandled		**Problems**		**All**
6		6		21

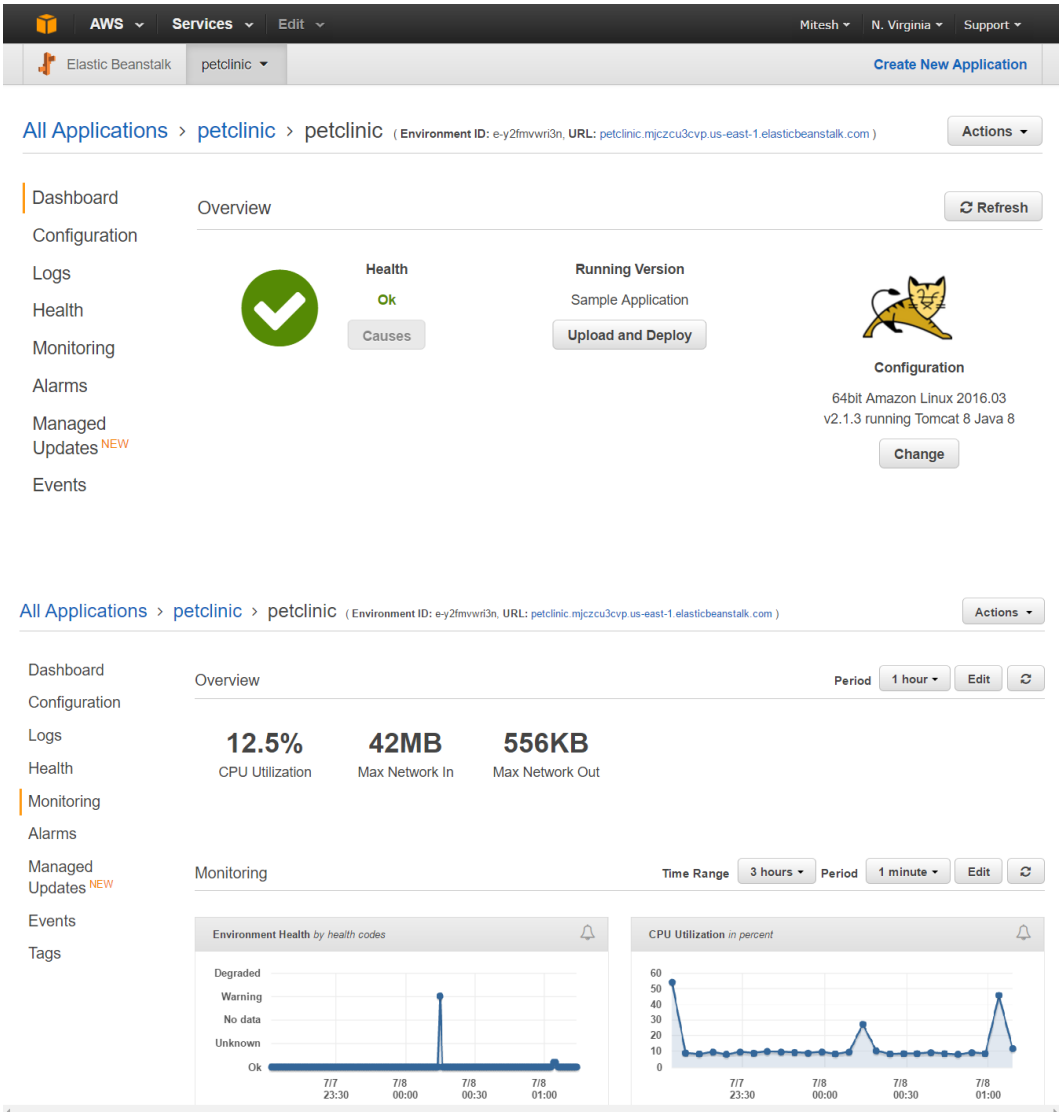
Last Updated: 2016-07-16 13:48:03

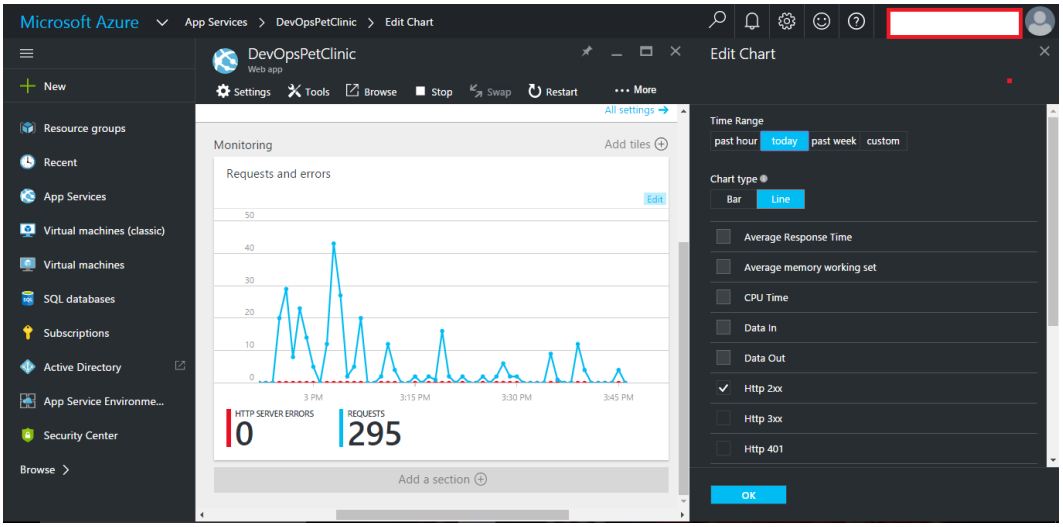
Linux Servers (linux-servers)

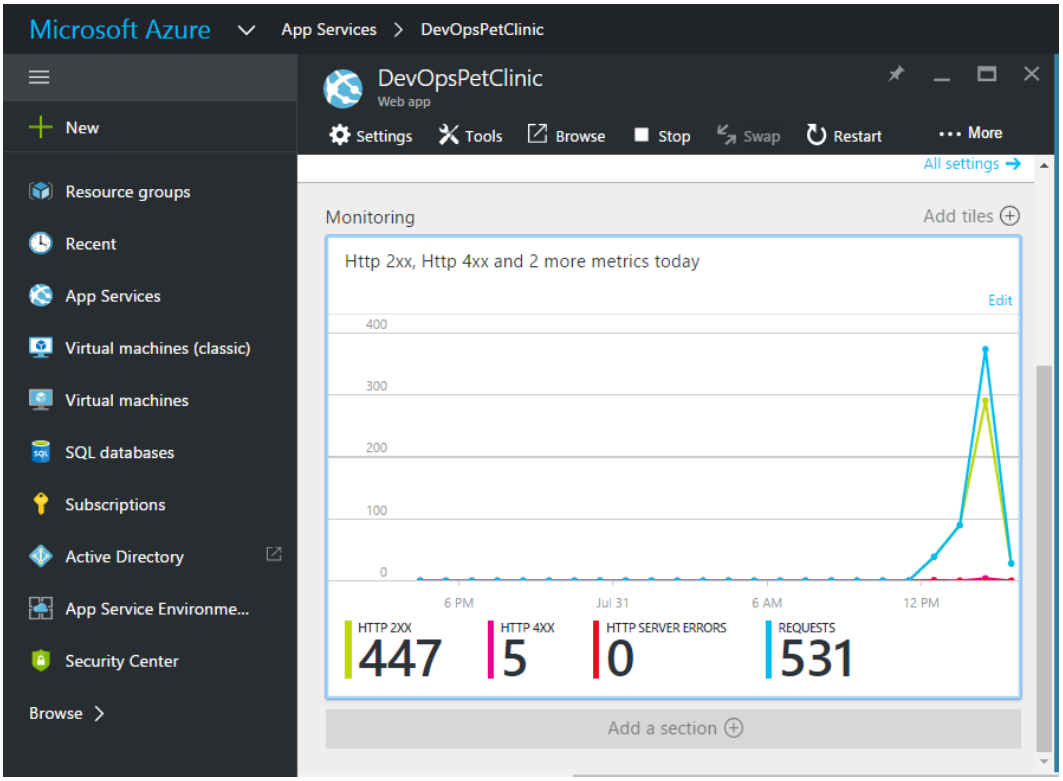
Host	Status	Services
192.168.1.34	Up	HTTPS NetBIOS Ping
ec2	Down	Current Load Current Users Ping Total Processes
localhost	Up	Current Load Current Users HTTP PING Root Partition Service Status - crond Service Status - httpd Service Status - mysqld Service Status - ndo2db Service Status - npcd Service Status - ntpd SSH Swap Usage Total Processes

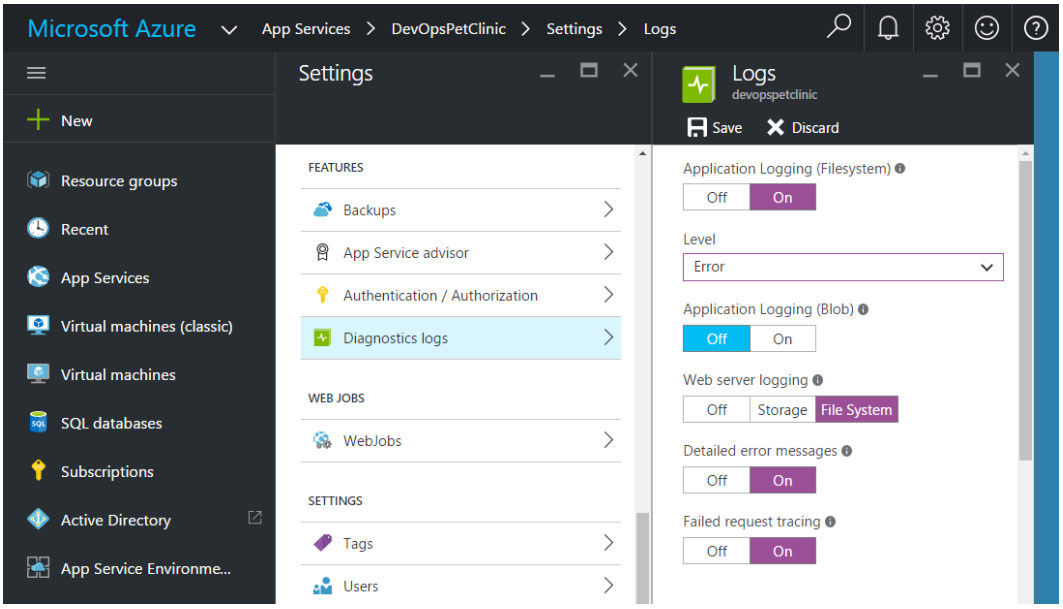

Nagios XI
Navigation
nagiosadmin
Logout
Quick View
Details
Graphs
Performance Graphs
Graph Explorer
Maps
Incident Management
Latest Alerts
Acknowledgements
Scheduled Downtime
Mass Acknowledge
Recurring Downtime
Notifications
Monitoring Process
Process Info
Performance
Event Log
Graph Explorer
Top Alert Producers
Host Health
Service Health
Scalable Performance Graph
Time Stacked Performance Graph
Multistacked Performance Graph
Top Alert Producers Last 24 Hours
ec2
192.168.1.34 Ping
192.168.1.34
ec2 Ping
192.168.1.34 HTTPS
192.168.1.34 NetBIOS
ec2 Total Processes

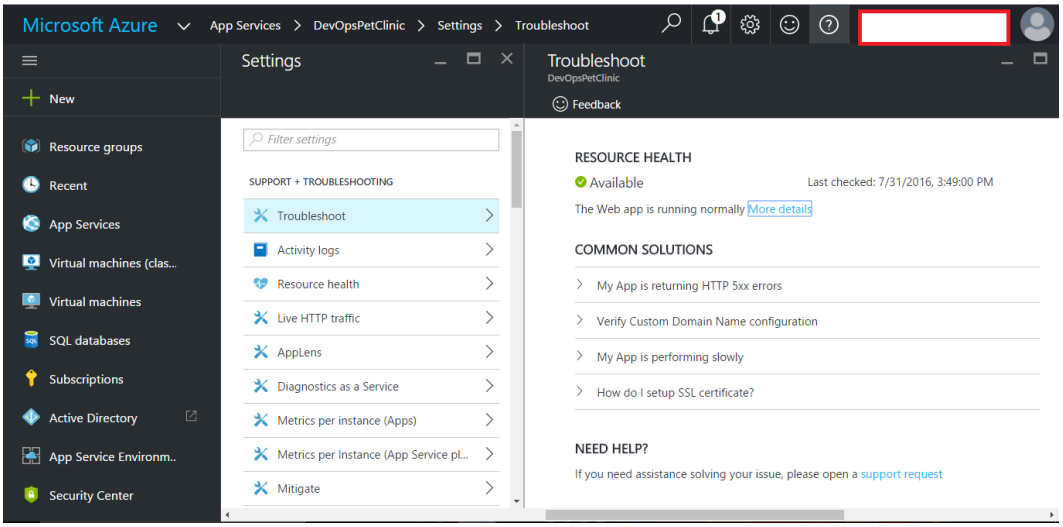

AWS
Services
Edit
Mitesh
N. Virginia
Support
Elastic Beanstalk
petclinic
Create New Application
All Applications
petclinic
Actions
Environments
Application Versions
Saved Configurations
petclinic
Environment tier: Web Server
Running versions: Sample Application
Last modified: 2016-07-07 23:05:19 UTC+0530
URL: petclinic.mjczcu3cvp.us-east-1.elasticbe...

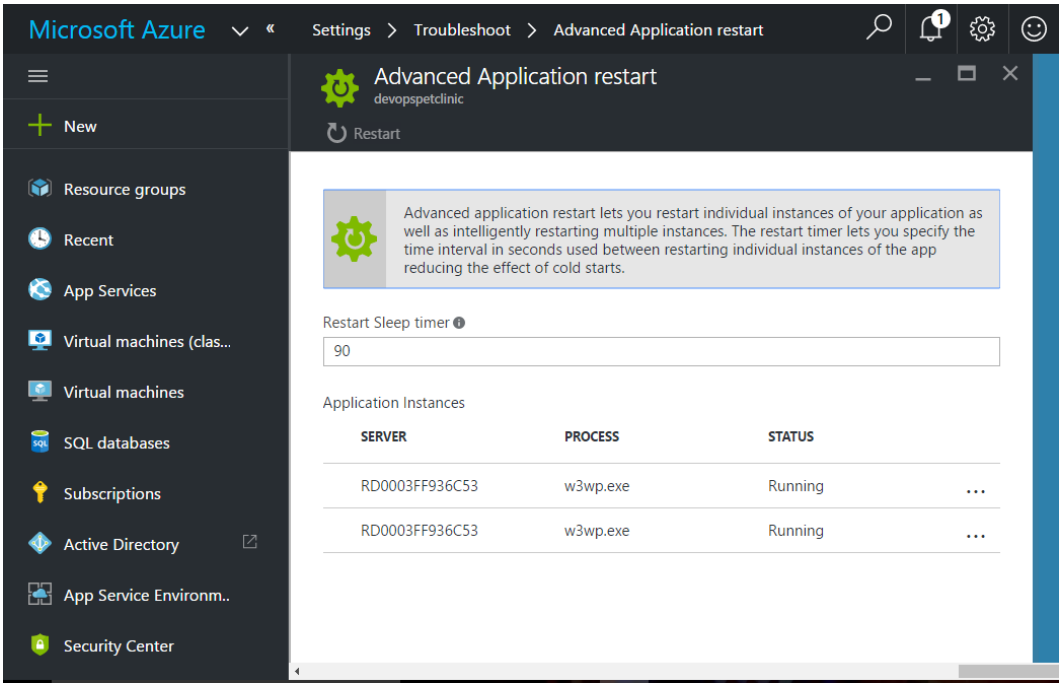

AWS
Services
Edit
Mitesh
N. Virginia
Support
Elastic Beanstalk
petclinic
Create New Application
All Applications › petclinic › petclinic (Environment ID: e-y2fmvwri3n, URL: petclinic.mjczcu3cvp.us-east-1.elasticbeanstalk.com)
Actions
Dashboard
Configuration
Logs
Health
Monitoring
Alarms
Managed Updates NEW
Events
Overview
Refresh
Health
Ok
Causes
Running Version
Sample Application
Upload and Deploy
Configuration
64bit Amazon Linux 2016.03
v2.1.3 running Tomcat 8 Java 8
Change
All Applications › petclinic › petclinic (Environment ID: e-y2fmvwri3n, URL: petclinic.mjczcu3cvp.us-east-1.elasticbeanstalk.com)
Actions
Dashboard
Configuration
Logs
Health
Monitoring
Alarms
Managed Updates NEW
Events
Tags
Overview
Period
1 hour
Edit
12.5%
CPU Utilization
42MB
Max Network In
556KB
Max Network Out
Monitoring
Time Range
3 hours
Period
1 minute
Edit
Environment Health by health codes
Degraded
Warning
No data
Unknown
Ok
7/7 23:30
7/8 00:00
7/8 00:30
7/8 01:00
CPU Utilization in percent
60
50
40
30
20
10
0
7/7 23:30
7/8 00:00
7/8 00:30
7/8 01:00

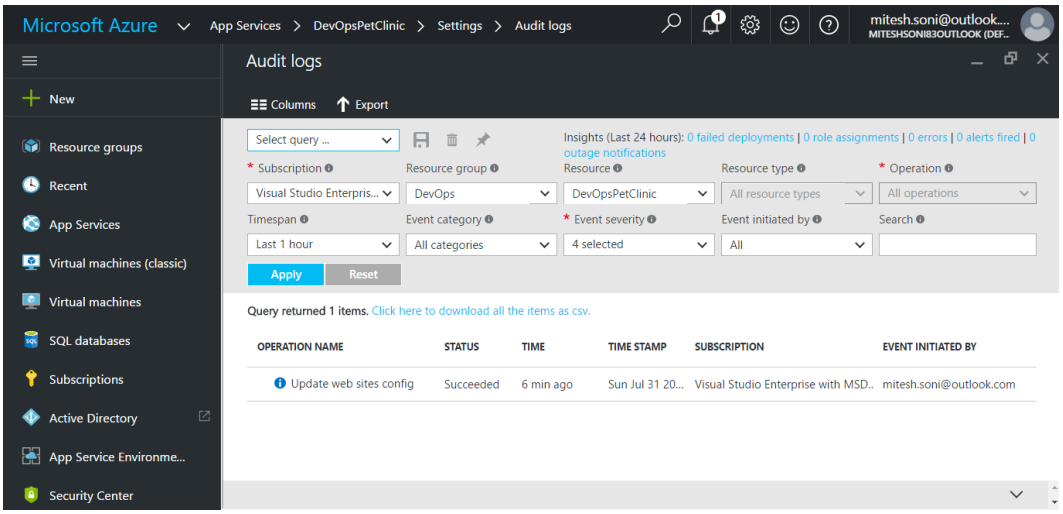

Microsoft Azure
App Services > DevOpsPetClinic > Edit Chart
New
Resource groups
Recent
App Services
Virtual machines (classic)
Virtual machines
SQL databases
Subscriptions
Active Directory
App Service Environme...
Security Center
Browse
DevOpsPetClinic
Web app
Settings
Tools
Browse
Stop
Swap
Restart
More
All settings
Monitoring
Add tiles
Requests and errors
Edit
50
40
30
20
10
0
3 PM
3:15 PM
3:30 PM
3:45 PM
HTTP SERVER ERRORS
0
REQUESTS
295
Add a section
Edit Chart
Time Range
past hour
today
past week
custom
Chart type
Bar
Line
Average Response Time
Average memory working set
CPU Time
Data In
Data Out
Http 2xx
Http 3xx
Http 401
OK

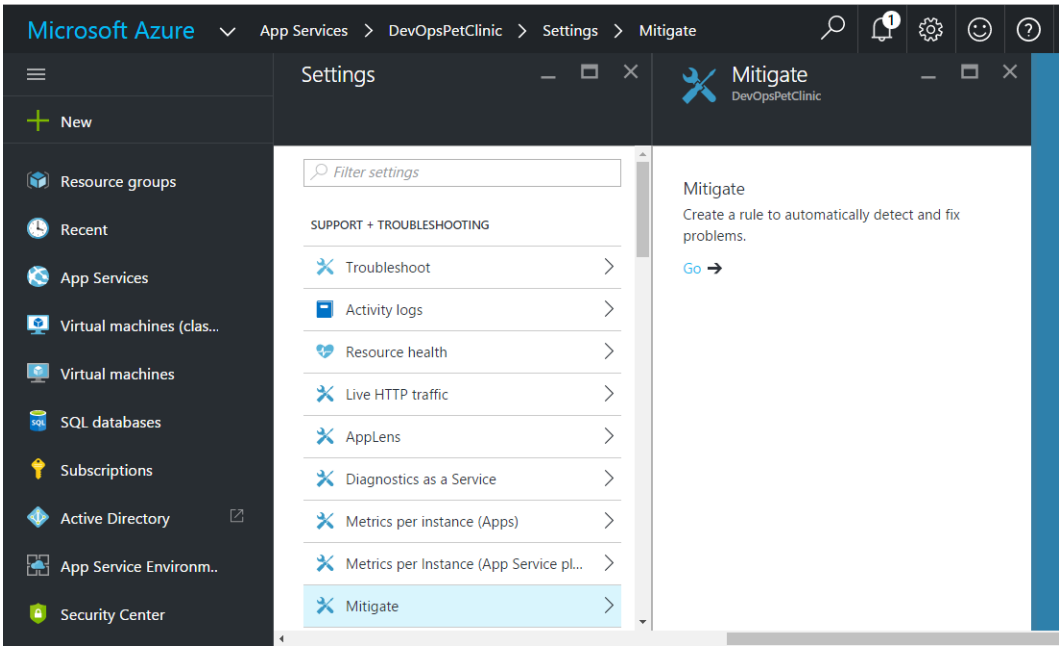

Microsoft Azure
App Services > DevOpsPetClinic
New
Resource groups
Recent
App Services
Virtual machines (classic)
Virtual machines
SQL databases
Subscriptions
Active Directory
App Service Environme...
Security Center
Browse
DevOpsPetClinic
Web app
Settings
Tools
Browse
Stop
Swap
Restart
More
All settings
Monitoring
Add tiles
Http 2xx, Http 4xx and 2 more metrics today
Edit
400
300
200
100
0
6 PM
Jul 31
6 AM
12 PM
HTTP 2XX
447
HTTP 4XX
5
HTTP SERVER ERRORS
0
REQUESTS
531
Add a section

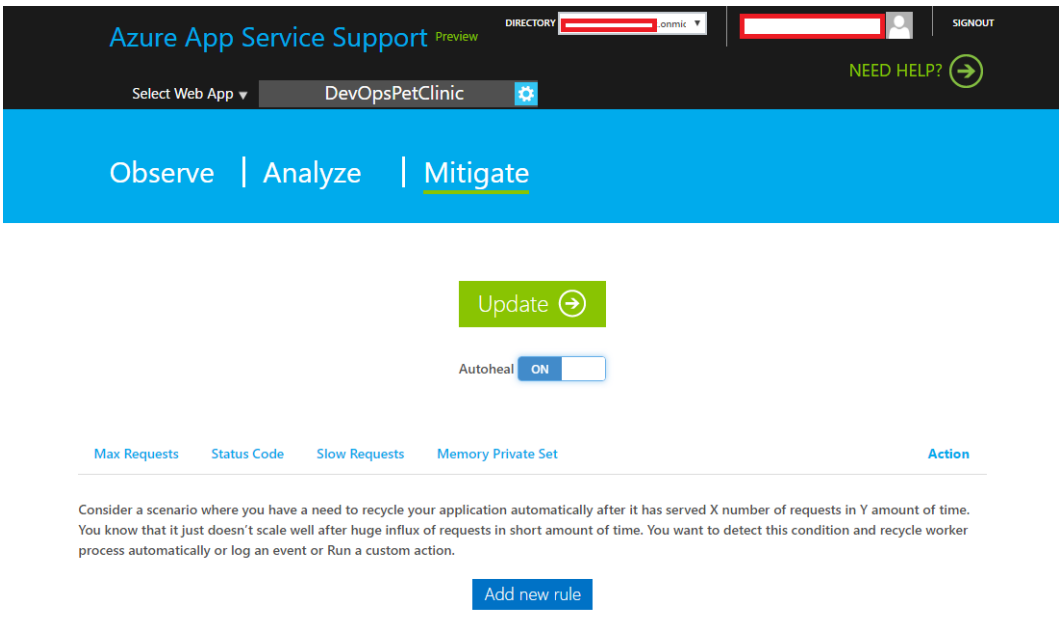

Microsoft Azure
App Services > DevOpsPetClinic > Settings > Logs
New
Resource groups
Recent
App Services
Virtual machines (classic)
Virtual machines
SQL databases
Subscriptions
Active Directory
App Service Environme...
Settings
FEATURES
Backups
App Service advisor
Authentication / Authorization
Diagnostics logs
WEB JOBS
WebJobs
SETTINGS
Tags
Users
Logs
devopspetclinic
Save
Discard
Application Logging (Filesystem)
Off
On
Level
Error
Application Logging (Blob)
Off
On
Web server logging
Off
Storage
File System
Detailed error messages
Off
On
Failed request tracing
Off
On

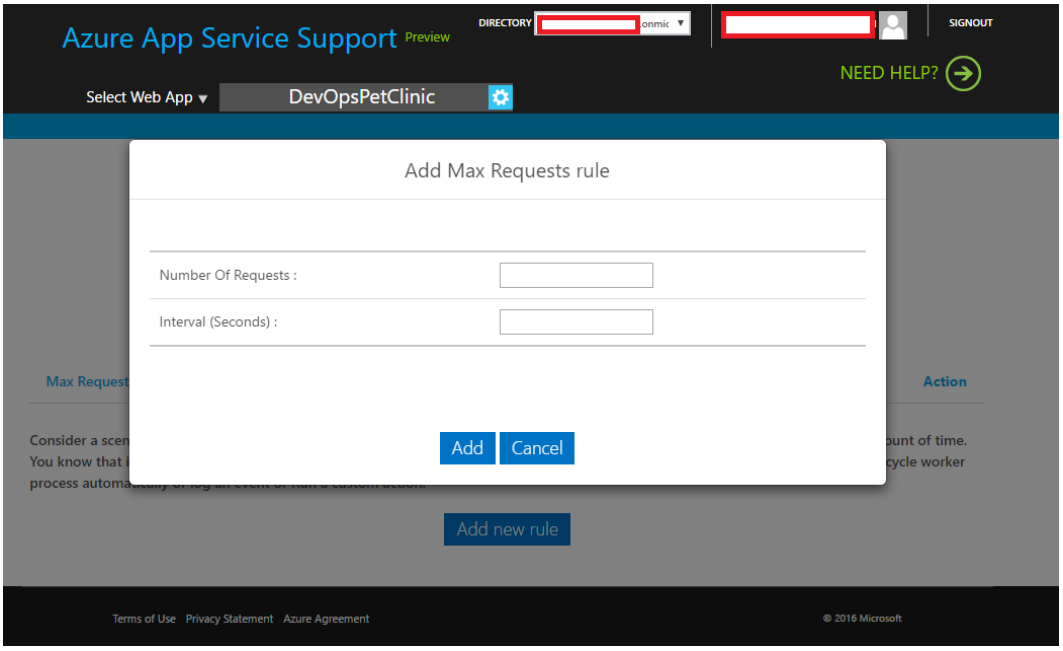

Microsoft Azure
App Services > DevOpsPetClinic > Settings > Troubleshoot
New
Resource groups
Recent
App Services
Virtual machines (clas...
Virtual machines
SQL databases
Subscriptions
Active Directory
App Service Environm...
Security Center
Settings
Filter settings
SUPPORT + TROUBLESHOOTING
Troubleshoot
Activity logs
Resource health
Live HTTP traffic
AppLens
Diagnostics as a Service
Metrics per instance (Apps)
Metrics per Instance (App Service pl...
Mitigate
Troubleshoot
DevOpsPetClinic
Feedback
RESOURCE HEALTH
Available
Last checked: 7/31/2016, 3:49:00 PM
The Web app is running normally More details
COMMON SOLUTIONS
My App is returning HTTP 5xx errors
Verify Custom Domain Name configuration
My App is performing slowly
How do I setup SSL certificate?
NEED HELP?
If you need assistance solving your issue, please open a support request

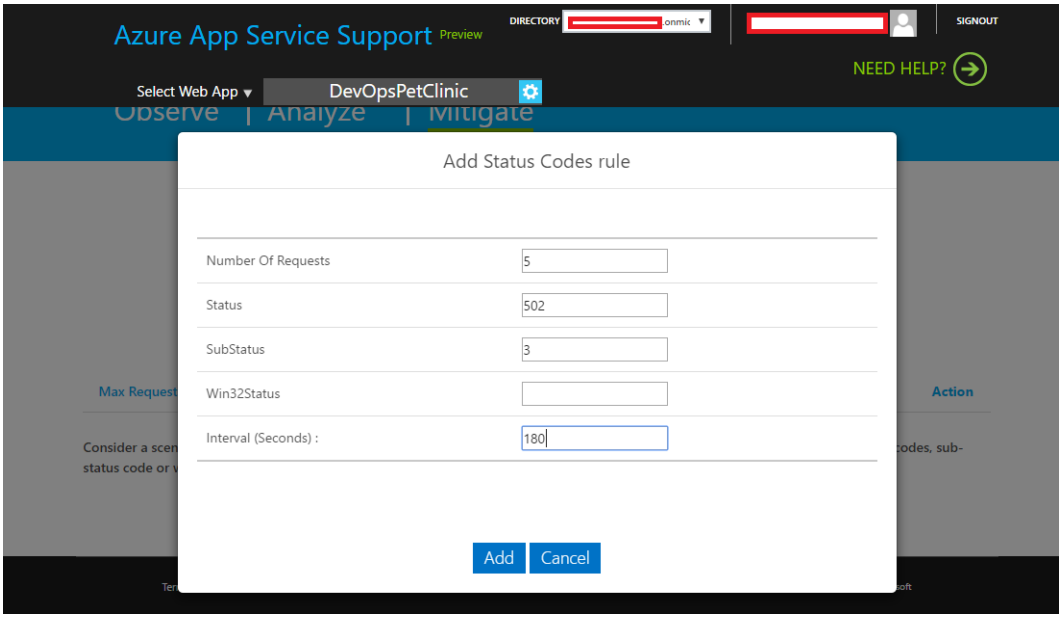

Microsoft Azure
Settings > Troubleshoot > Advanced Application restart
New
Resource groups
Recent
App Services
Virtual machines (clas...
Virtual machines
SQL databases
Subscriptions
Active Directory
App Service Environm..
Security Center
Advanced Application restart
devopspetclinic
Restart
Advanced application restart lets you restart individual instances of your application as well as intelligently restarting multiple instances. The restart timer lets you specify the time interval in seconds used between restarting individual instances of the app reducing the effect of cold starts.
Restart Sleep timer
90
Application Instances
SERVER
PROCESS
STATUS
RD0003FF936C53
w3wp.exe
Running
RD0003FF936C53
w3wp.exe
Running

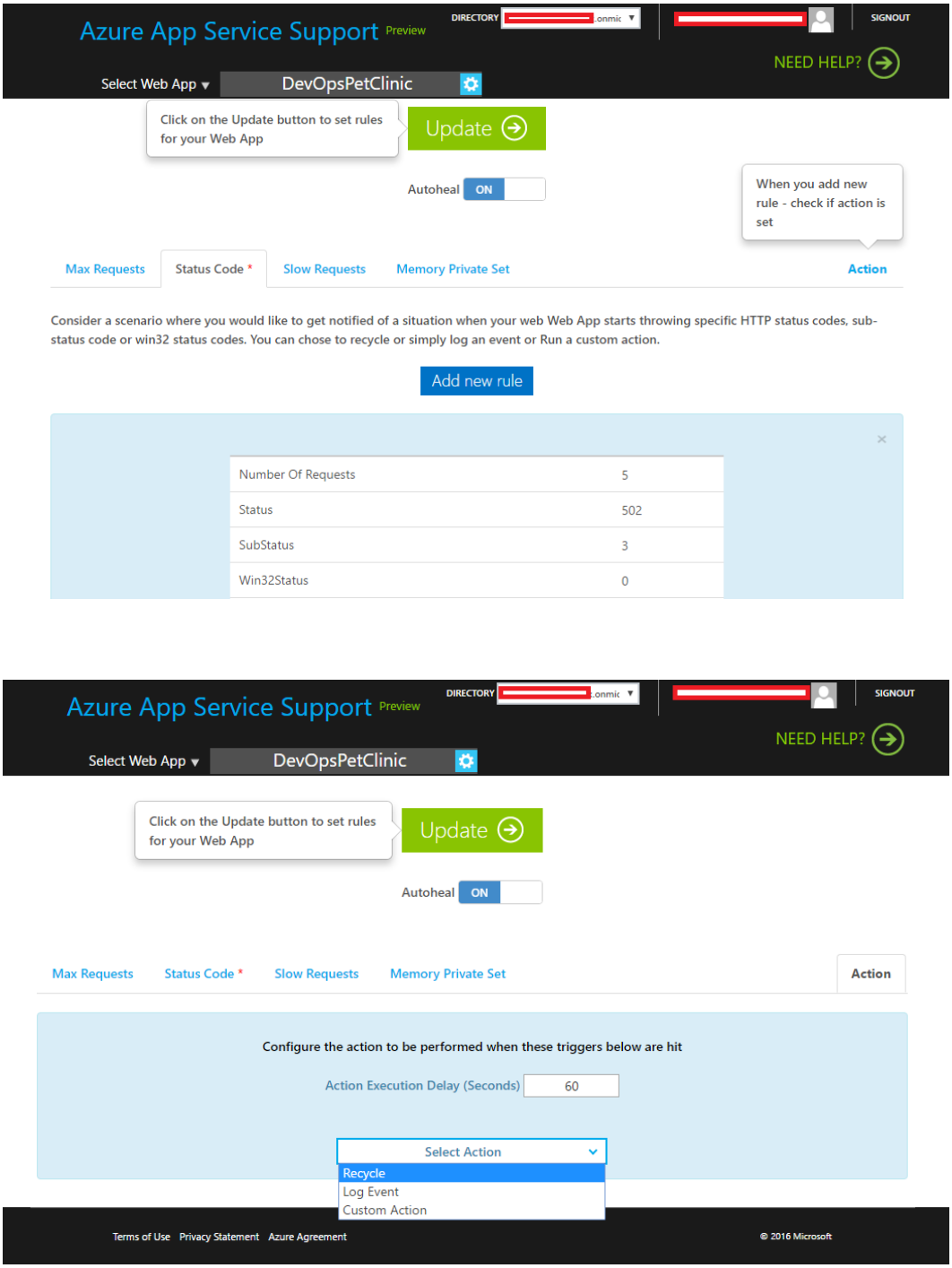

Microsoft Azure
App Services > DevOpsPetClinic > Settings > Audit logs
mitesh.soni@outlook....
MITESHSONI83OUTLOOK (DEF...
New
Resource groups
Recent
App Services
Virtual machines (classic)
Virtual machines
SQL databases
Subscriptions
Active Directory
App Service Environme...
Security Center
Audit logs
Columns
Export
Select query ...
Insights (Last 24 hours): 0 failed deployments | 0 role assignments | 0 errors | 0 alerts fired | 0 outage notifications
Subscription
Resource group
Resource
Resource type
Operation
Visual Studio Enterpris...
DevOps
DevOpsPetClinic
All resource types
All operations
Timespan
Event category
Event severity
Event initiated by
Search
Last 1 hour
All categories
4 selected
All
Apply
Reset
Query returned 1 items. Click here to download all the items as csv.
OPERATION NAME
STATUS
TIME
TIME STAMP
SUBSCRIPTION
EVENT INITIATED BY
Update web sites config
Succeeded
6 min ago
Sun Jul 31 20...
Visual Studio Enterprise with MSD..
mitesh.soni@outlook.com

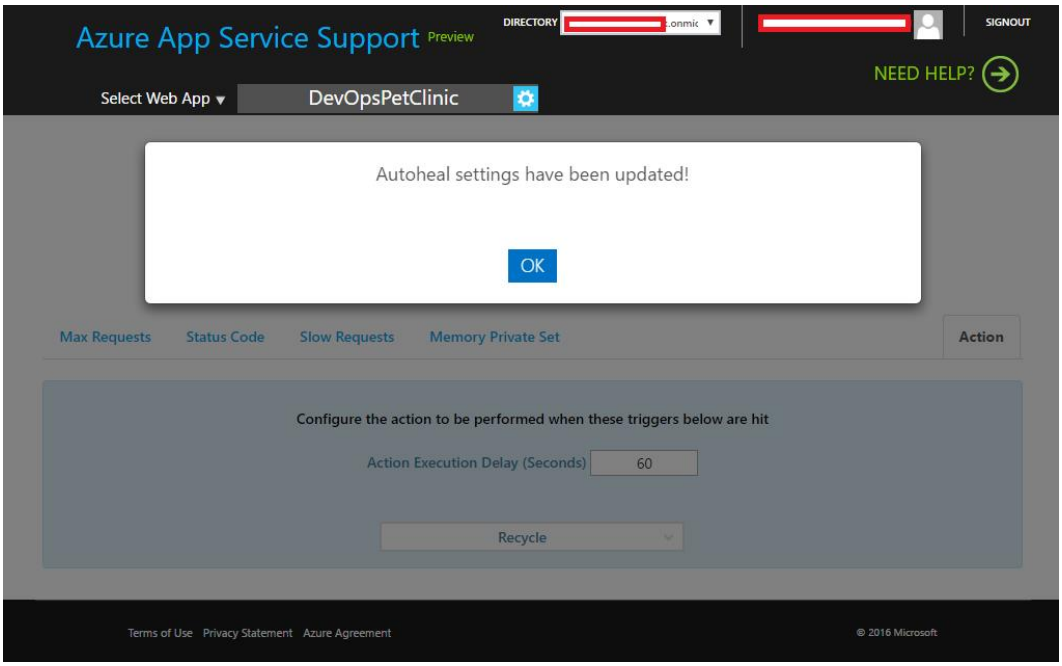

Microsoft Azure
App Services > DevOpsPetClinic > Settings > Mitigate
New
Resource groups
Recent
App Services
Virtual machines (clas...
Virtual machines
SQL databases
Subscriptions
Active Directory
App Service Environm..
Security Center
Settings
Filter settings
SUPPORT + TROUBLESHOOTING
Troubleshoot
Activity logs
Resource health
Live HTTP traffic
AppLens
Diagnostics as a Service
Metrics per instance (Apps)
Metrics per Instance (App Service pl...
Mitigate
Mitigate
DevOpsPetClinic
Mitigate
Create a rule to automatically detect and fix problems.
Go

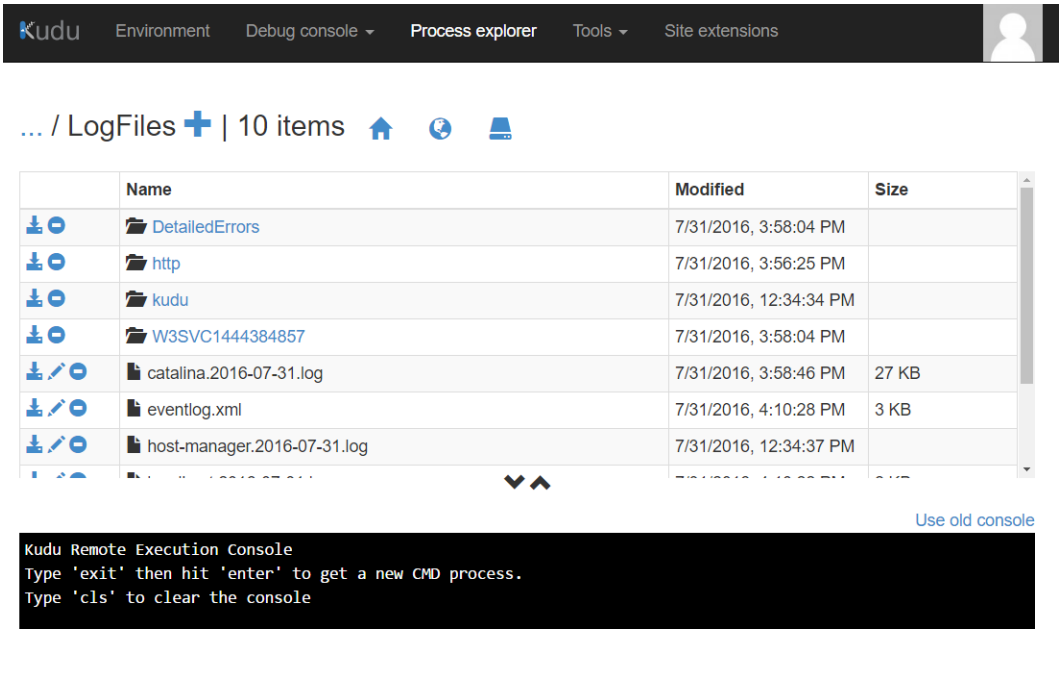

Azure App Service Support Preview
DIRECTORY
SIGNOUT
NEED HELP?
Select Web App
DevOpsPetClinic
Observe | Analyze | Mitigate
Update
Autoheal
ON
Max Requests
Status Code
Slow Requests
Memory Private Set
Action
Consider a scenario where you have a need to recycle your application automatically after it has served X number of requests in Y amount of time. You know that it just doesn't scale well after huge influx of requests in short amount of time. You want to detect this condition and recycle worker process automatically or log an event or Run a custom action.
Add new rule

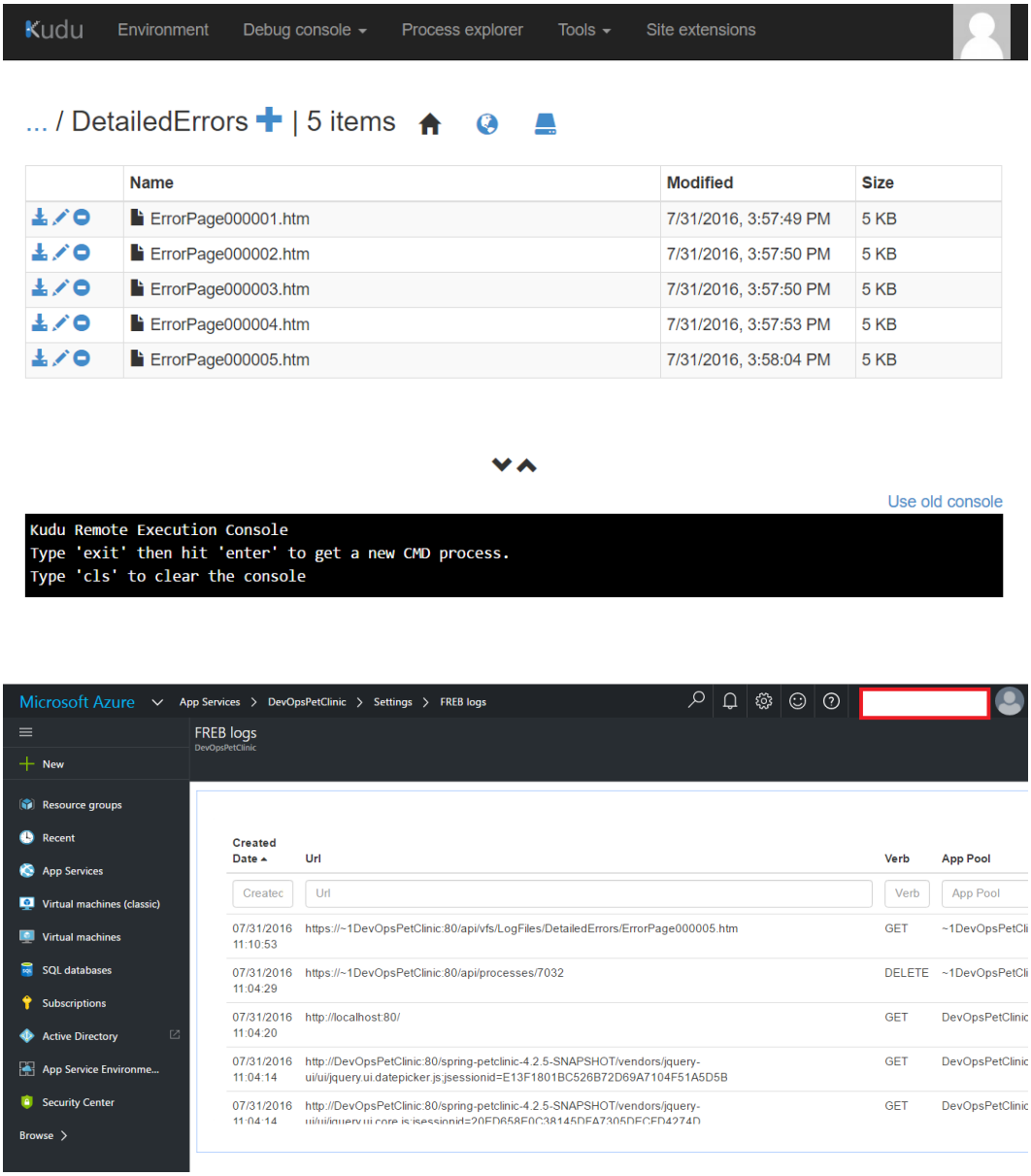

Azure App Service Support Preview
DIRECTORY
SIGNOUT
NEED HELP?
Select Web App
DevOpsPetClinic
Add Max Requests rule
Number Of Requests :
Interval (Seconds) :
Add
Cancel
Max Request
Action
Add new rule
Terms of Use
Privacy Statement
Azure Agreement
© 2016 Microsoft

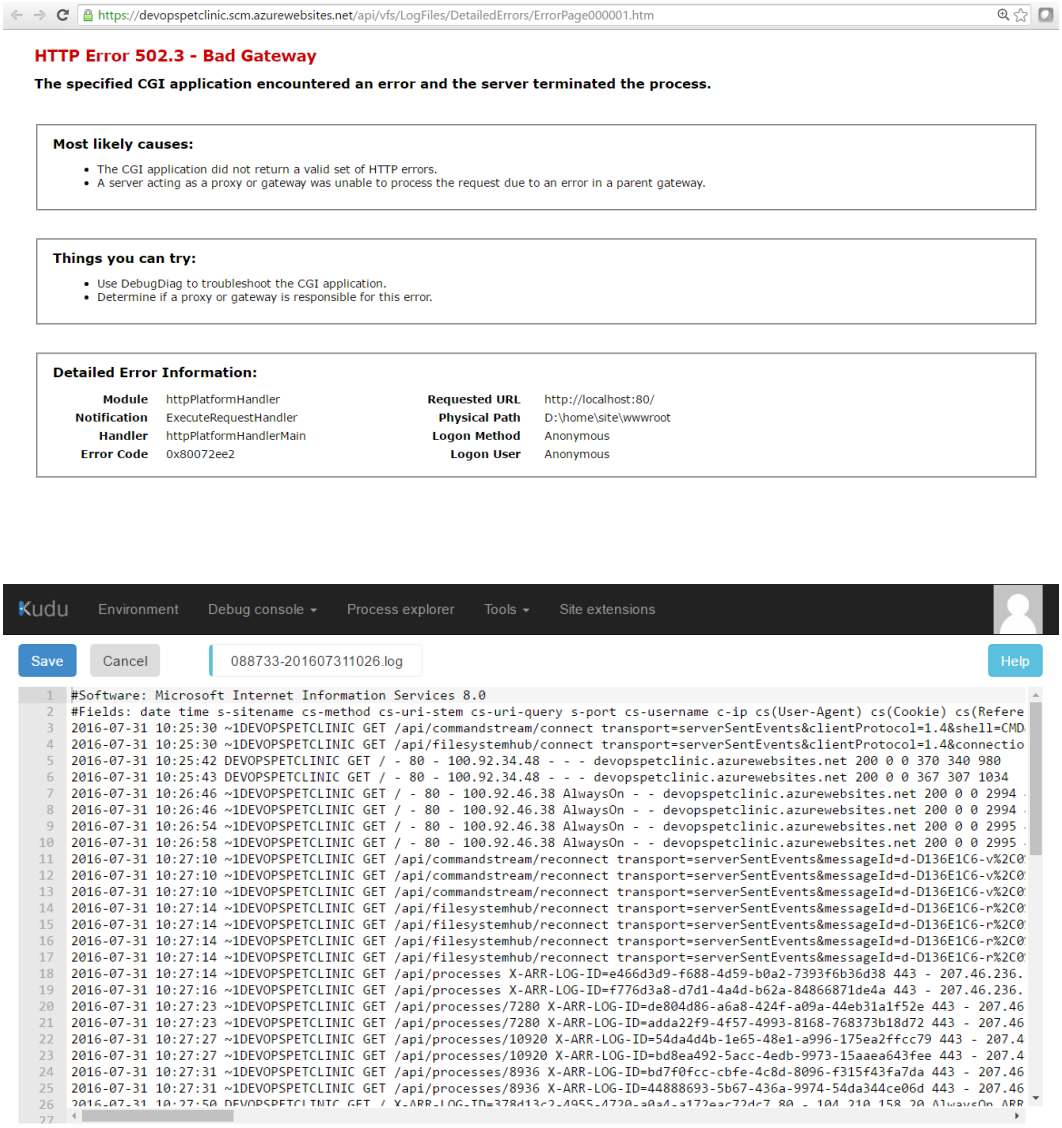

Azure App Service Support Preview
DIRECTORY
SIGNOUT
NEED HELP?
Select Web App
DevOpsPetClinic
Add Status Codes rule
Number Of Requests
5
Status
502
SubStatus
3
Win32Status
Interval (Seconds) :
180
Add
Cancel
Max Request
Action

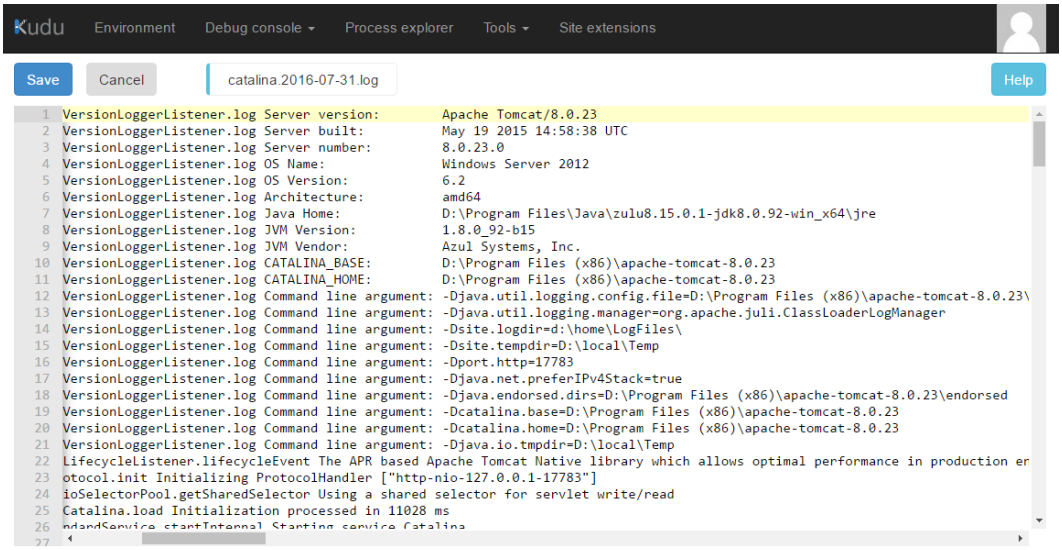

Azure App Service Support Preview
DIRECTORY
SIGNOUT
NEED HELP?
Select Web App
DevOpsPetClinic
Click on the Update button to set rules for your Web App
Update
Autoheal
ON
When you add new rule - check if action is set
Max Requests
Status Code *
Slow Requests
Memory Private Set
Action
Consider a scenario where you would like to get notified of a situation when your web Web App starts throwing specific HTTP status codes, sub-status code or win32 status codes. You can chose to recycle or simply log an event or Run a custom action.
Add new rule
Number Of Requests 5
Status 502
SubStatus 3
Win32Status 0
Azure App Service Support Preview
DIRECTORY
SIGNOUT
NEED HELP?
Select Web App
DevOpsPetClinic
Click on the Update button to set rules for your Web App
Update
Autoheal
ON
Max Requests
Status Code *
Slow Requests
Memory Private Set
Action
Configure the action to be performed when these triggers below are hit
Action Execution Delay (Seconds) 60
Select Action
Recycle
Log Event
Custom Action
Terms of Use
Privacy Statement
Azure Agreement
© 2016 Microsoft

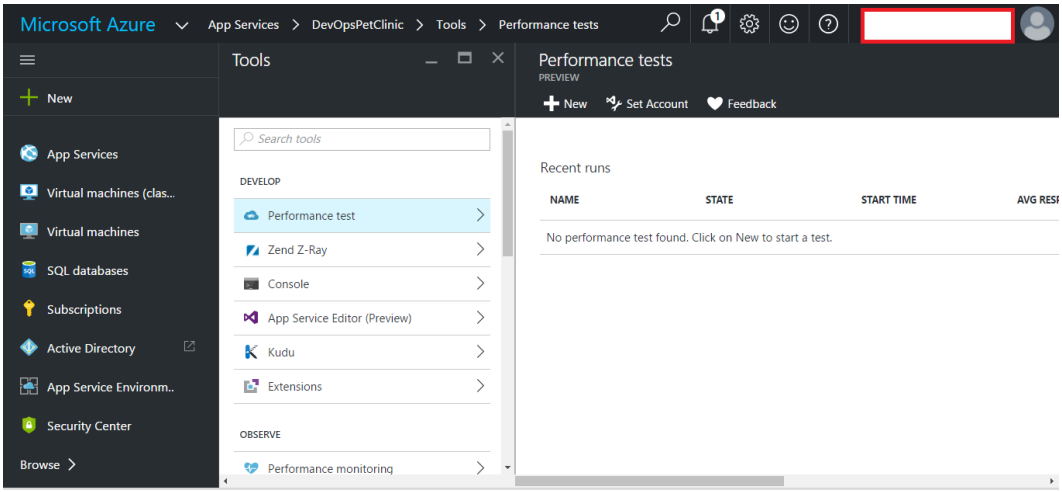

Azure App Service Support Preview
DIRECTORY
SIGNOUT
NEED HELP?
Select Web App
DevOpsPetClinic
Autoheal settings have been updated!
OK
Max Requests
Status Code
Slow Requests
Memory Private Set
Action
Configure the action to be performed when these triggers below are hit
Action Execution Delay (Seconds)
60
Recycle
Terms of Use
Privacy Statement
Azure Agreement
© 2016 Microsoft

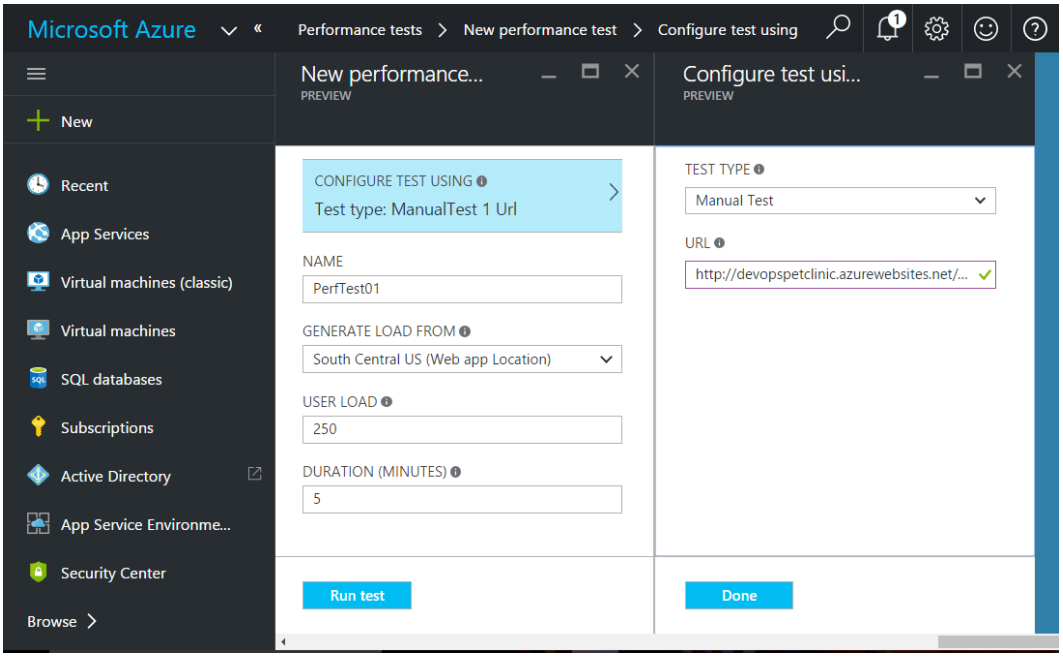

Kudu
Environment
Debug console
Process explorer
Tools
Site extensions
... / LogFiles | 10 items
Name
Modified
Size
DetailedErrors
7/31/2016, 3:58:04 PM
http
7/31/2016, 3:56:25 PM
kudu
7/31/2016, 12:34:34 PM
W3SVC1444384857
7/31/2016, 3:58:04 PM
catalina.2016-07-31.log
7/31/2016, 3:58:46 PM
27 KB
eventlog.xml
7/31/2016, 4:10:28 PM
3 KB
host-manager.2016-07-31.log
7/31/2016, 12:34:37 PM
Use old console
Kudu Remote Execution Console
Type 'exit' then hit 'enter' to get a new CMD process.
Type 'cls' to clear the console

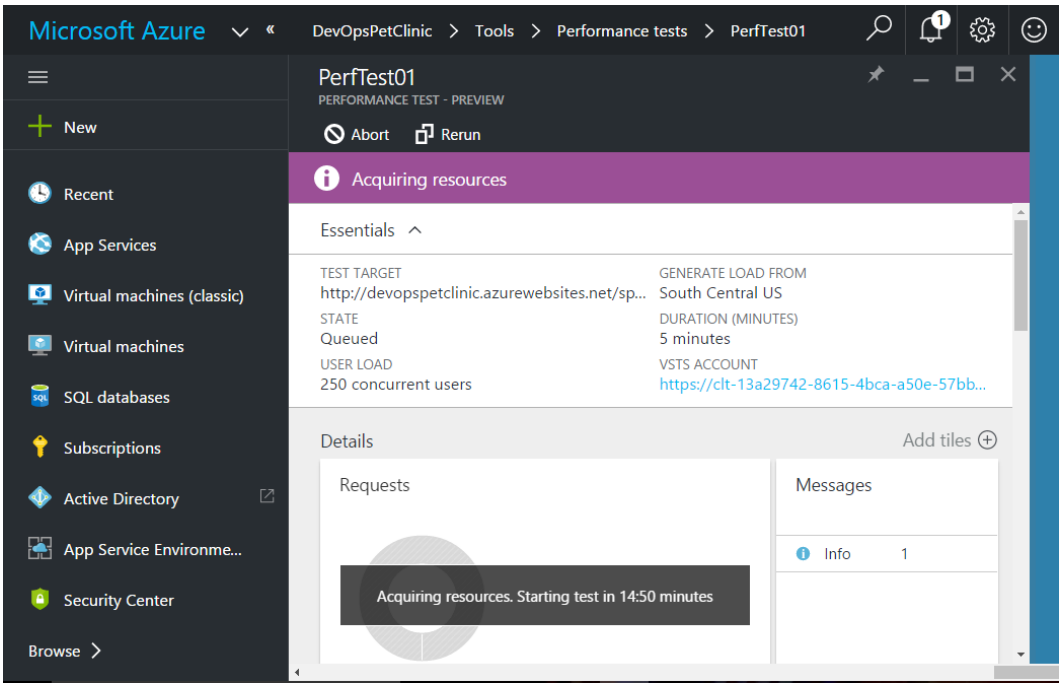

Kudu
Environment
Debug console
Process explorer
Tools
Site extensions
... / DetailedErrors | 5 items
Name
Modified
Size
ErrorPage000001.htm
7/31/2016, 3:57:49 PM
5 KB
ErrorPage000002.htm
7/31/2016, 3:57:50 PM
5 KB
ErrorPage000003.htm
7/31/2016, 3:57:50 PM
5 KB
ErrorPage000004.htm
7/31/2016, 3:57:53 PM
5 KB
ErrorPage000005.htm
7/31/2016, 3:58:04 PM
5 KB
Use old console
Kudu Remote Execution Console
Type 'exit' then hit 'enter' to get a new CMD process.
Type 'cls' to clear the console
Microsoft Azure
App Services > DevOpsPetClinic > Settings > FREB logs
FREB logs
DevOpsPetClinic
New
Resource groups
Recent
App Services
Virtual machines (classic)
Virtual machines
SQL databases
Subscriptions
Active Directory
App Service Environme...
Security Center
Browse
Created Date
Url
Verb
App Pool
07/31/2016 11:10:53
https://~1DevOpsPetClinic:80/api/vfs/LogFiles/DetailedErrors/ErrorPage000005.htm
GET
07/31/2016 11:04:29
https://~1DevOpsPetClinic:80/api/processes/7032
DELETE
07/31/2016 11:04:20
http://localhost:80/
GET
DevOpsPetClinic
07/31/2016 11:04:14
http://DevOpsPetClinic:80/spring-petclinic-4.2.5-SNAPSHOT/vendors/jquery-ui/ui/jquery.ui.datepicker.js;jsessionid=E13F1801BC526B72D69A7104F51A5D5B
GET
DevOpsPetClinic

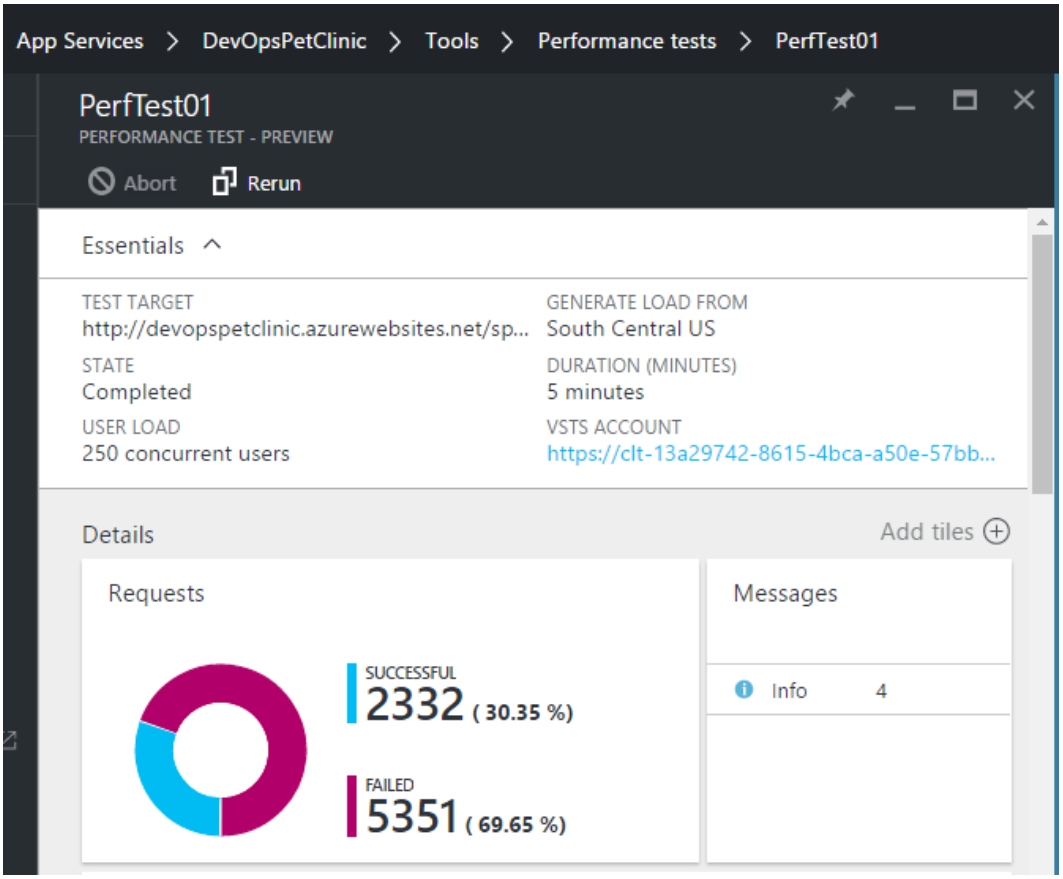

https://devopspetclinic.scm.azurewebsites.net/api/vfs/LogFiles/DetailedErrors/ErrorPage000001.htm
HTTP Error 502.3 - Bad Gateway
The specified CGI application encountered an error and the server terminated the process.
Most likely causes:
The CGI application did not return a valid set of HTTP errors.
A server acting as a proxy or gateway was unable to process the request due to an error in a parent gateway.
Things you can try:
Use DebugDiag to troubleshoot the CGI application.
Determine if a proxy or gateway is responsible for this error.
Detailed Error Information:
Module httpPlatformHandler
Notification ExecuteRequestHandler
Handler httpPlatformHandlerMain
Error Code 0x80072ee2
Requested URL http://localhost:80/
Physical Path D:\home\site\wwwroot
Logon Method Anonymous
Logon User Anonymous
Kudu
Environment
Debug console
Process explorer
Tools
Site extensions
Save
Cancel
088733-201607311026.log
Help
#Software: Microsoft Internet Information Services 8.0
#Fields: date time s-sitename cs-method cs-uri-stem cs-uri-query s-port cs-username c-ip cs(User-Agent) cs(Cookie) cs(Refere
2016-07-31 10:25:30 ~1DEVOPSPETCLINIC GET /api/commandstream/connect transport=serverSentEvents&clientProtocol=1.4&shell=CMD
2016-07-31 10:25:30 ~1DEVOPSPETCLINIC GET /api/filesystemhub/connect transport=serverSentEvents&clientProtocol=1.4&connectio
2016-07-31 10:25:42 DEVOPSPETCLINIC GET / - 80 - 100.92.34.48 - - - devopspetclinic.azurewebsites.net 200 0 0 370 340 980
2016-07-31 10:25:43 DEVOPSPETCLINIC GET / - 80 - 100.92.34.48 - - - devopspetclinic.azurewebsites.net 200 0 0 367 307 1034
2016-07-31 10:26:46 ~1DEVOPSPETCLINIC GET / - 80 - 100.92.46.38 AlwaysOn - - devopspetclinic.azurewebsites.net 200 0 0 2994
2016-07-31 10:26:46 ~1DEVOPSPETCLINIC GET / - 80 - 100.92.46.38 AlwaysOn - - devopspetclinic.azurewebsites.net 200 0 0 2994
2016-07-31 10:26:54 ~1DEVOPSPETCLINIC GET / - 80 - 100.92.46.38 AlwaysOn - - devopspetclinic.azurewebsites.net 200 0 0 2995
2016-07-31 10:26:58 ~1DEVOPSPETCLINIC GET / - 80 - 100.92.46.38 AlwaysOn - - devopspetclinic.azurewebsites.net 200 0 0 2995
2016-07-31 10:27:10 ~1DEVOPSPETCLINIC GET /api/commandstream/reconnect transport=serverSentEvents&messageId=d-D136E1C6-v%2C0
2016-07-31 10:27:10 ~1DEVOPSPETCLINIC GET /api/commandstream/reconnect transport=serverSentEvents&messageId=d-D136E1C6-v%2C0
2016-07-31 10:27:10 ~1DEVOPSPETCLINIC GET /api/commandstream/reconnect transport=serverSentEvents&messageId=d-D136E1C6-v%2C0
2016-07-31 10:27:14 ~1DEVOPSPETCLINIC GET /api/filesystemhub/reconnect transport=serverSentEvents&messageId=d-D136E1C6-r%2C0
2016-07-31 10:27:14 ~1DEVOPSPETCLINIC GET /api/filesystemhub/reconnect transport=serverSentEvents&messageId=d-D136E1C6-r%2C0
2016-07-31 10:27:14 ~1DEVOPSPETCLINIC GET /api/filesystemhub/reconnect transport=serverSentEvents&messageId=d-D136E1C6-r%2C0
2016-07-31 10:27:14 ~1DEVOPSPETCLINIC GET /api/filesystemhub/reconnect transport=serverSentEvents&messageId=d-D136E1C6-r%2C0
2016-07-31 10:27:14 ~1DEVOPSPETCLINIC GET /api/processes X-ARR-LOG-ID=e466d3d9-f688-4d59-b0a2-7393f6b36d38 443 - 207.46.236.
2016-07-31 10:27:16 ~1DEVOPSPETCLINIC GET /api/processes X-ARR-LOG-ID=f776d3a8-d7d1-4a4d-b62a-84866871de4a 443 - 207.46.236.
2016-07-31 10:27:23 ~1DEVOPSPETCLINIC GET /api/processes/7280 X-ARR-LOG-ID=de804d86-a6a8-424f-a09a-44eb31a1f52e 443 - 207.46
2016-07-31 10:27:23 ~1DEVOPSPETCLINIC GET /api/processes/7280 X-ARR-LOG-ID=adda22f9-4f57-4993-8168-768373b18d72 443 - 207.46
2016-07-31 10:27:27 ~1DEVOPSPETCLINIC GET /api/processes/10920 X-ARR-LOG-ID=54da4d4b-1e65-48e1-a996-175ea2ffcc79 443 - 207.4
2016-07-31 10:27:27 ~1DEVOPSPETCLINIC GET /api/processes/10920 X-ARR-LOG-ID=bd8ea492-5acc-4edb-9973-15aaea643fee 443 - 207.4
2016-07-31 10:27:31 ~1DEVOPSPETCLINIC GET /api/processes/8936 X-ARR-LOG-ID=bd7f0fcc-cbfe-4c8d-8096-f315f43fa7da 443 - 207.46
2016-07-31 10:27:31 ~1DEVOPSPETCLINIC GET /api/processes/8936 X-ARR-LOG-ID=44888693-5b67-436a-9974-54da344ce06d 443 - 207.46

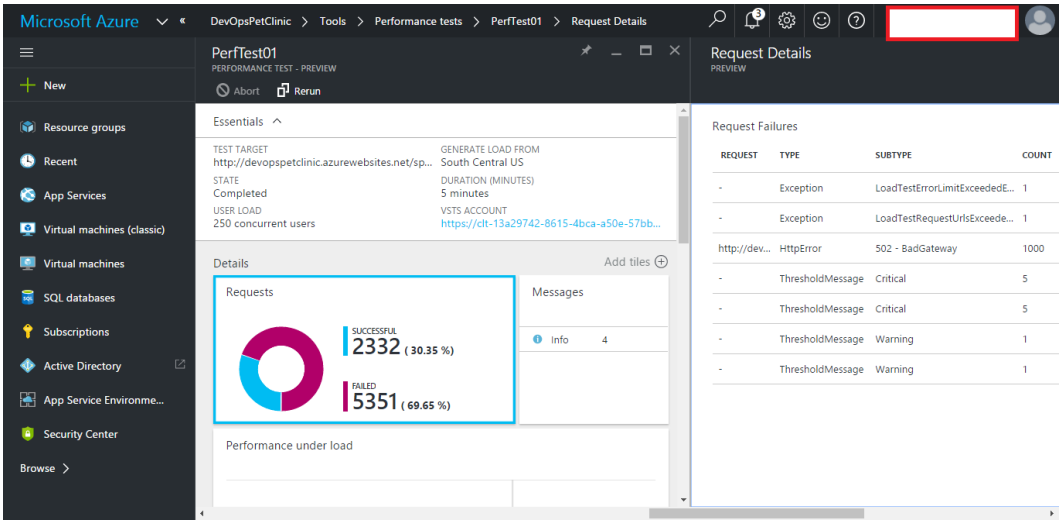

Kudu
Environment
Debug console
Process explorer
Tools
Site extensions
Save
Cancel
catalina.2016-07-31.log
Help
VersionLoggerListener.log Server version: Apache Tomcat/8.0.23
VersionLoggerListener.log Server built: May 19 2015 14:58:38 UTC
VersionLoggerListener.log Server number: 8.0.23.0
VersionLoggerListener.log OS Name: Windows Server 2012
VersionLoggerListener.log OS Version: 6.2
VersionLoggerListener.log Architecture: amd64
VersionLoggerListener.log Java Home: D:\Program Files\Java\zulu8.15.0.1-jdk8.0.92-win_x64\jre
VersionLoggerListener.log JVM Version: 1.8.0_92-b15
VersionLoggerListener.log JVM Vendor: Azul Systems, Inc.
VersionLoggerListener.log CATALINA_BASE: D:\Program Files (x86)\apache-tomcat-8.0.23
VersionLoggerListener.log CATALINA_HOME: D:\Program Files (x86)\apache-tomcat-8.0.23
VersionLoggerListener.log Command line argument: -Djava.util.logging.config.file=D:\Program Files (x86)\apache-tomcat-8.0.23\
VersionLoggerListener.log Command line argument: -Djava.util.logging.manager=org.apache.juli.ClassLoaderLogManager
VersionLoggerListener.log Command line argument: -Dsite.logdir=d:\home\LogFiles\
VersionLoggerListener.log Command line argument: -Dsite.tempdir=D:\local\Temp
VersionLoggerListener.log Command line argument: -Dport.http=17783
VersionLoggerListener.log Command line argument: -Djava.net.preferIPv4Stack=true
VersionLoggerListener.log Command line argument: -Djava.endorsed.dirs=D:\Program Files (x86)\apache-tomcat-8.0.23\endorsed
VersionLoggerListener.log Command line argument: -Dcatalina.base=D:\Program Files (x86)\apache-tomcat-8.0.23
VersionLoggerListener.log Command line argument: -Dcatalina.home=D:\Program Files (x86)\apache-tomcat-8.0.23
VersionLoggerListener.log Command line argument: -Djava.io.tmpdir=D:\local\Temp
LifecycleListener.lifecycleEvent The APR based Apache Tomcat Native library which allows optimal performance in production er
otocol.init Initializing ProtocolHandler ["http-nio-127.0.0.1-17783"]
ioSelectorPool.getSharedSelector Using a shared selector for servlet write/read
Catalina.load Initialization processed in 11028 ms

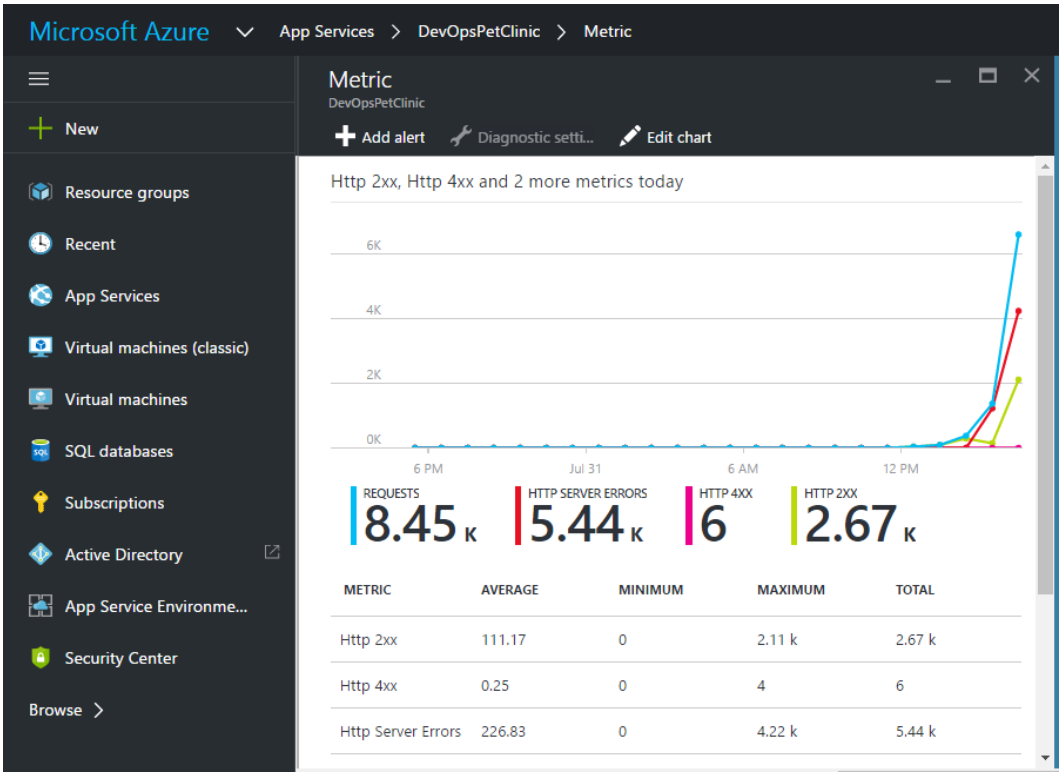

Microsoft Azure
App Services > DevOpsPetClinic > Tools > Performance tests
Tools
New
App Services
Virtual machines (clas...
Virtual machines
SQL databases
Subscriptions
Active Directory
App Service Environm...
Security Center
Browse
Search tools
DEVELOP
Performance test
Zend Z-Ray
Console
App Service Editor (Preview)
Kudu
Extensions
OBSERVE
Performance monitoring
Performance tests
PREVIEW
New
Set Account
Feedback
Recent runs
NAME
STATE
START TIME
AVG RESI
No performance test found. Click on New to start a test.

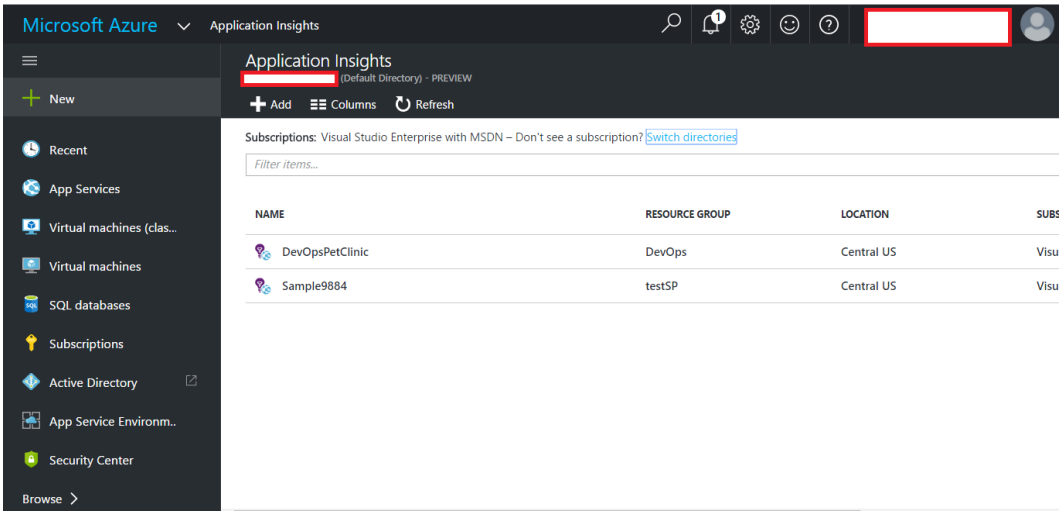

Microsoft Azure
Performance tests > New performance test > Configure test using
New performance...
PREVIEW
Configure test usi...
PREVIEW
New
Recent
App Services
Virtual machines (classic)
Virtual machines
SQL databases
Subscriptions
Active Directory
App Service Environme...
Security Center
Browse
CONFIGURE TEST USING
Test type: ManualTest 1 Url
NAME
PerfTest01
GENERATE LOAD FROM
South Central US (Web app Location)
USER LOAD
250
DURATION (MINUTES)
5
TEST TYPE
Manual Test
URL
http://devopspetclinic.azurewebsites.net/...
Run test
Done

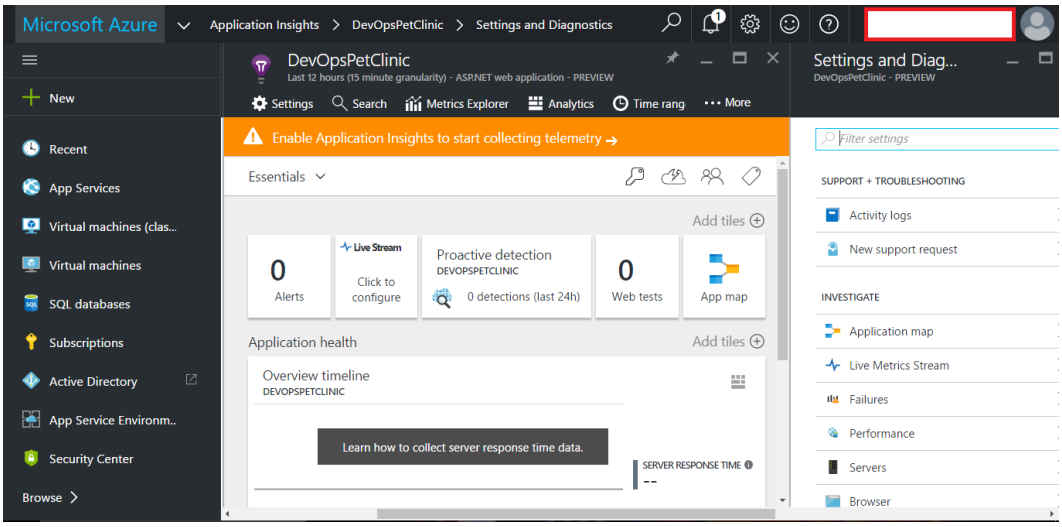

Microsoft Azure
DevOpsPetClinic > Tools > Performance tests > PerfTest01
PerfTest01
PERFORMANCE TEST - PREVIEW
Abort
Rerun
New
Recent
App Services
Virtual machines (classic)
Virtual machines
SQL databases
Subscriptions
Active Directory
App Service Environme...
Security Center
Browse
Acquiring resources
Essentials
TEST TARGET
http://devopspetclinic.azurewebsites.net/sp...
GENERATE LOAD FROM
South Central US
STATE
Queued
DURATION (MINUTES)
5 minutes
USER LOAD
250 concurrent users
VSTS ACCOUNT
https://clt-13a29742-8615-4bca-a50e-57bb...
Details
Add tiles
Requests
Acquiring resources. Starting test in 14:50 minutes
Messages
Info 1

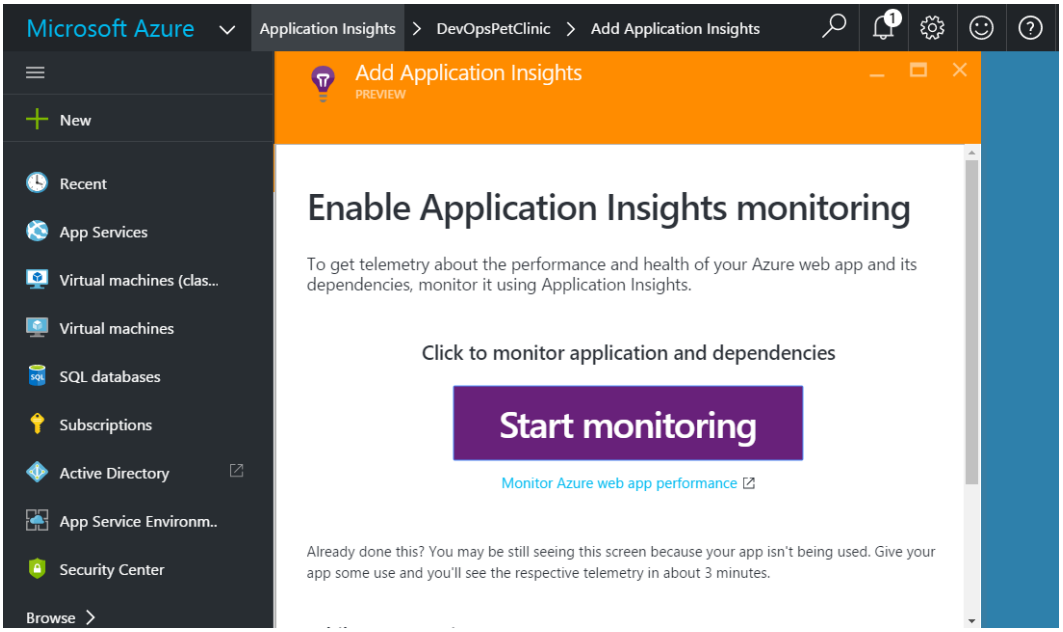

App Services > DevOpsPetClinic > Tools > Performance tests > PerfTest01
PerfTest01
PERFORMANCE TEST - PREVIEW
Abort
Rerun
Essentials
TEST TARGET
http://devopspetclinic.azurewebsites.net/sp...
GENERATE LOAD FROM
South Central US
STATE
Completed
DURATION (MINUTES)
5 minutes
USER LOAD
250 concurrent users
VSTS ACCOUNT
https://clt-13a29742-8615-4bca-a50e-57bb...
Details
Add tiles
Requests
SUCCESSFUL
2332 (30.35 %)
FAILED
5351 (69.65 %)
Messages
Info 4

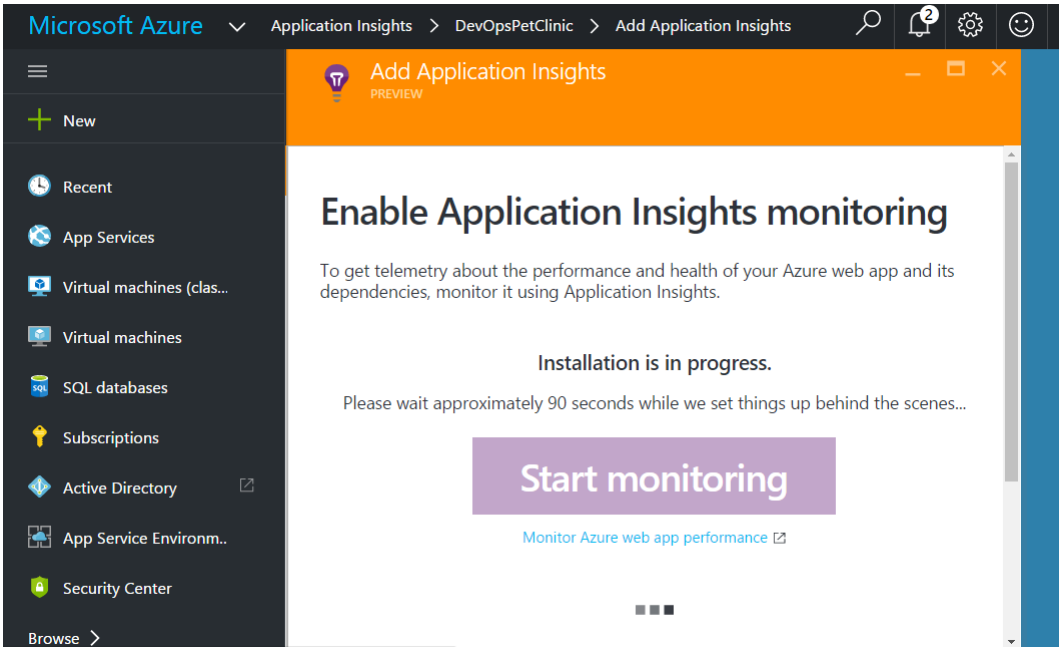

Microsoft Azure
DevOpsPetClinic > Tools > Performance tests > PerfTest01 > Request Details
New
Resource groups
Recent
App Services
Virtual machines (classic)
Virtual machines
SQL databases
Subscriptions
Active Directory
App Service Environme...
Security Center
Browse
PerfTest01
PERFORMANCE TEST - PREVIEW
Abort
Rerun
Essentials
TEST TARGET
http://devopspetclinic.azurewebsites.net/sp...
GENERATE LOAD FROM
South Central US
STATE
Completed
DURATION (MINUTES)
5 minutes
USER LOAD
250 concurrent users
VSTS ACCOUNT
https://clt-13a29742-8615-4bca-a50e-57bb...
Details
Add tiles
Requests
SUCCESSFUL
2332 (30.35 %)
FAILED
5351 (69.65 %)
Messages
Info 4
Performance under load
Request Details
PREVIEW
Request Failures
REQUEST
TYPE
SUBTYPE
COUNT
- Exception LoadTestErrorLimitExceededE... 1
- Exception LoadTestRequestUrlsExceede... 1
http://dev... HttpError 502 - BadGateway 1000
- ThresholdMessage Critical 5
- ThresholdMessage Critical 5
- ThresholdMessage Warning 1
- ThresholdMessage Warning 1

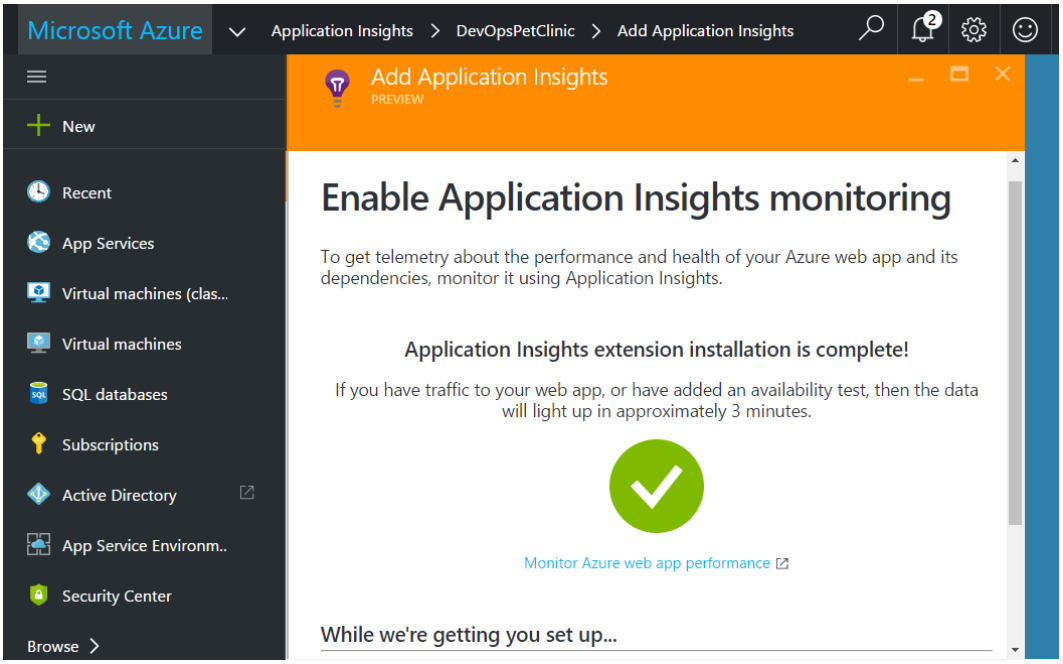

Microsoft Azure
App Services > DevOpsPetClinic > Metric
New
Resource groups
Recent
App Services
Virtual machines (classic)
Virtual machines
SQL databases
Subscriptions
Active Directory
App Service Environme...
Security Center
Browse
Metric
DevOpsPetClinic
Add alert
Diagnostic setti...
Edit chart
Http 2xx, Http 4xx and 2 more metrics today
6K
4K
2K
0K
6 PM
Jul 31
6 AM
12 PM
REQUESTS
8.45 K
HTTP SERVER ERRORS
5.44 K
HTTP 4XX
6
HTTP 2XX
2.67 K
METRIC AVERAGE MINIMUM MAXIMUM TOTAL
Http 2xx 111.17 0 2.11 k 2.67 k
Http 4xx 0.25 0 4 6
Http Server Errors 226.83 0 4.22 k 5.44 k

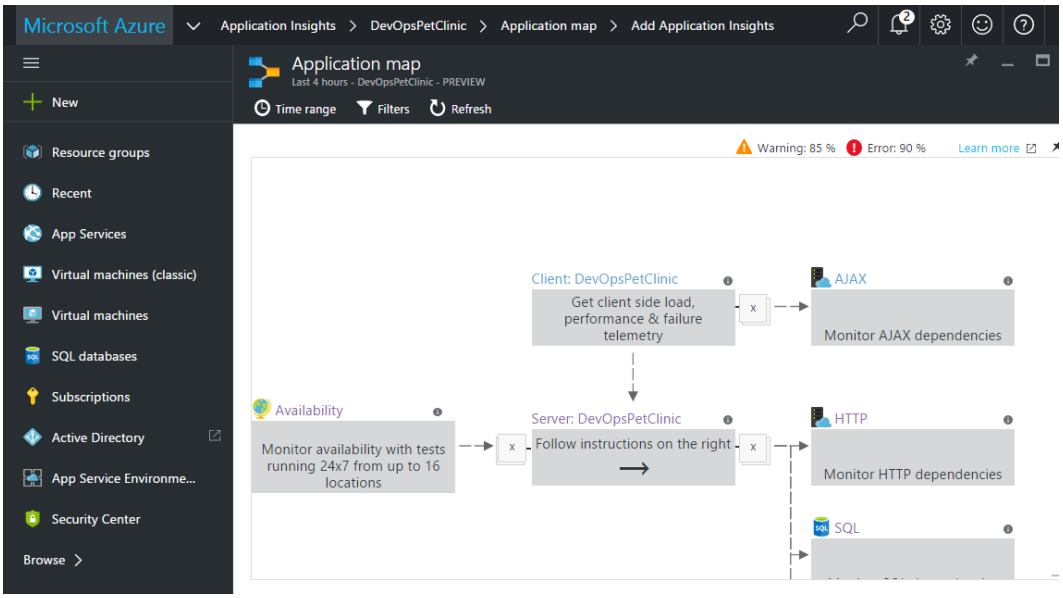

Microsoft Azure
Application Insights
Application Insights
(Default Directory) - PREVIEW
Add
Columns
Refresh
Subscriptions: Visual Studio Enterprise with MSDN – Don't see a subscription? Switch directories
Filter items...
NAME
RESOURCE GROUP
LOCATION
SUBS
DevOpsPetClinic
DevOps
Central US
Visu
Sample9884
testSP
Central US
Visu
New
Recent
App Services
Virtual machines (clas...
Virtual machines
SQL databases
Subscriptions
Active Directory
App Service Environm..
Security Center
Browse

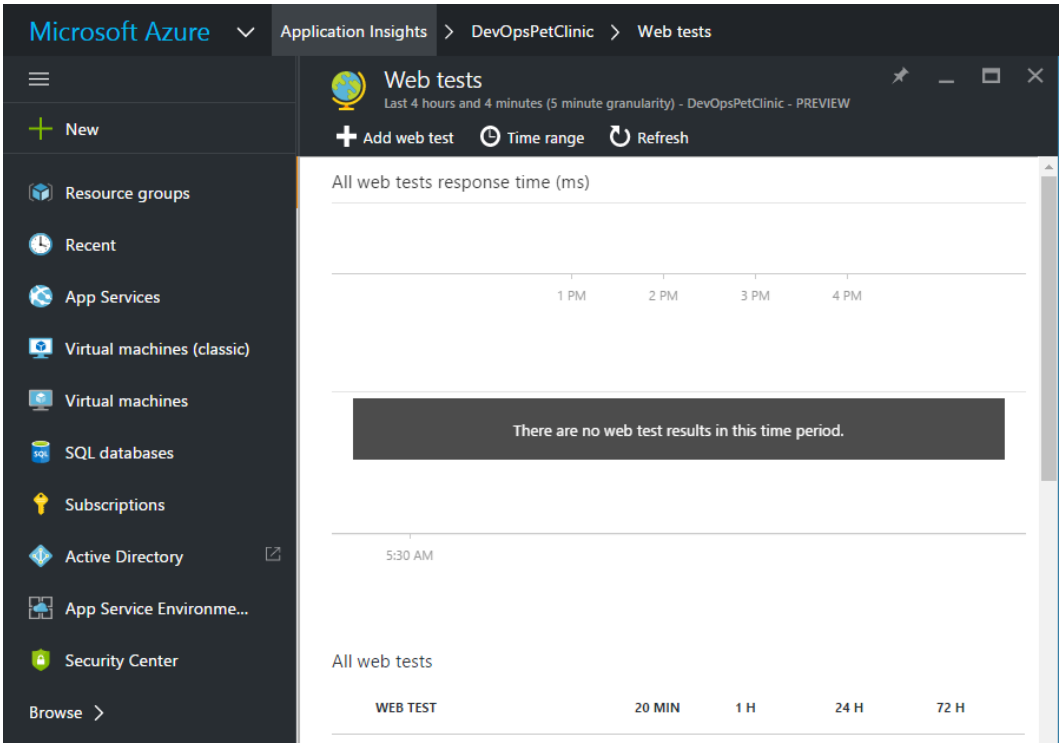

Microsoft Azure
Application Insights > DevOpsPetClinic > Settings and Diagnostics
DevOpsPetClinic
Last 12 hours (15 minute granularity) - ASP.NET web application - PREVIEW
Settings
Search
Metrics Explorer
Analytics
Time rang
More
Enable Application Insights to start collecting telemetry
Essentials
Add tiles
0
Alerts
Live Stream
Click to configure
Proactive detection
DEVOPSPETCLINIC
0 detections (last 24h)
0
Web tests
App map
Application health
Add tiles
Overview timeline
DEVOPSPETCLINIC
Learn how to collect server response time data.
SERVER RESPONSE TIME
--
Settings and Diag...
DevOpsPetClinic - PREVIEW
Filter settings
SUPPORT + TROUBLESHOOTING
Activity logs
New support request
INVESTIGATE
Application map
Live Metrics Stream
Failures
Performance
Servers
Browser
New
Recent
App Services
Virtual machines (clas...
Virtual machines
SQL databases
Subscriptions
Active Directory
App Service Environm..
Security Center
Browse

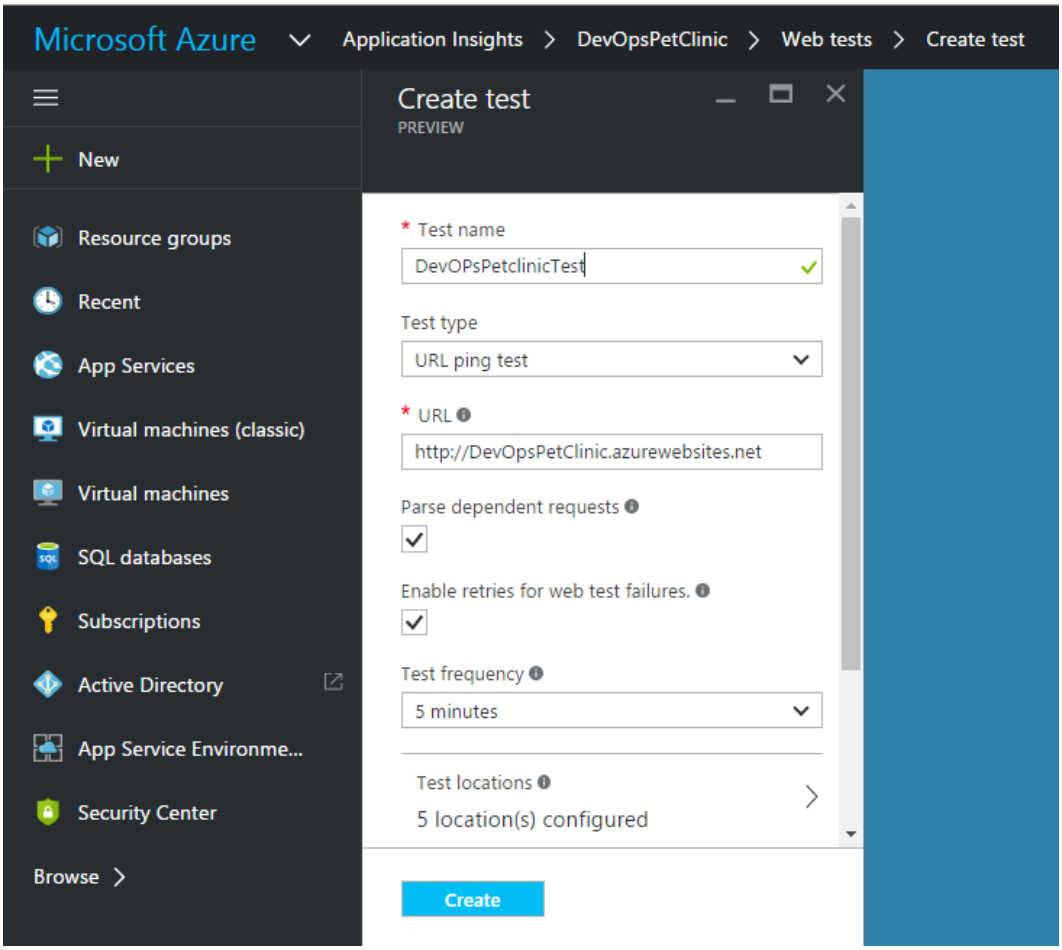

Microsoft Azure
Application Insights > DevOpsPetClinic > Add Application Insights
New
Recent
App Services
Virtual machines (clas...
Virtual machines
SQL databases
Subscriptions
Active Directory
App Service Environm..
Security Center
Browse
Add Application Insights
PREVIEW
Enable Application Insights monitoring
To get telemetry about the performance and health of your Azure web app and its dependencies, monitor it using Application Insights.
Click to monitor application and dependencies
Start monitoring
Monitor Azure web app performance
Already done this? You may be still seeing this screen because your app isn't being used. Give your app some use and you'll see the respective telemetry in about 3 minutes.

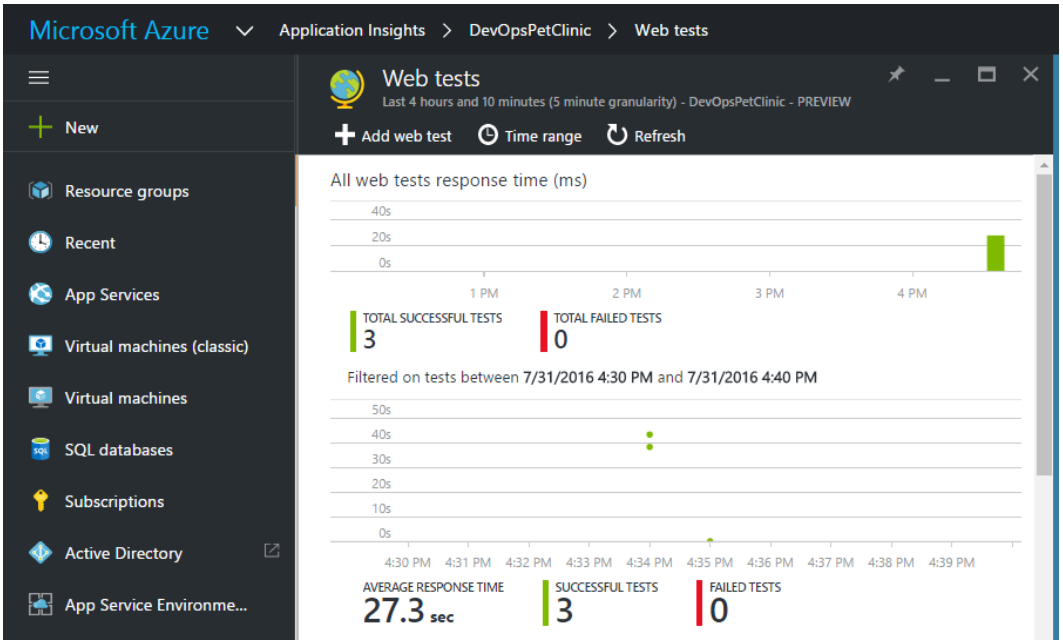

Microsoft Azure
Application Insights > DevOpsPetClinic > Add Application Insights
New
Recent
App Services
Virtual machines (clas...
Virtual machines
SQL databases
Subscriptions
Active Directory
App Service Environm..
Security Center
Browse
Add Application Insights
PREVIEW
Enable Application Insights monitoring
To get telemetry about the performance and health of your Azure web app and its dependencies, monitor it using Application Insights.
Installation is in progress.
Please wait approximately 90 seconds while we set things up behind the scenes...
Start monitoring
Monitor Azure web app performance


Microsoft Azure
Application Insights > DevOpsPetClinic > Add Application Insights
New
Recent
App Services
Virtual machines (clas...
Virtual machines
SQL databases
Subscriptions
Active Directory
App Service Environm..
Security Center
Browse
Add Application Insights
PREVIEW
Enable Application Insights monitoring
To get telemetry about the performance and health of your Azure web app and its dependencies, monitor it using Application Insights.
Application Insights extension installation is complete!
If you have traffic to your web app, or have added an availability test, then the data will light up in approximately 3 minutes.
Monitor Azure web app performance
While we're getting you set up...

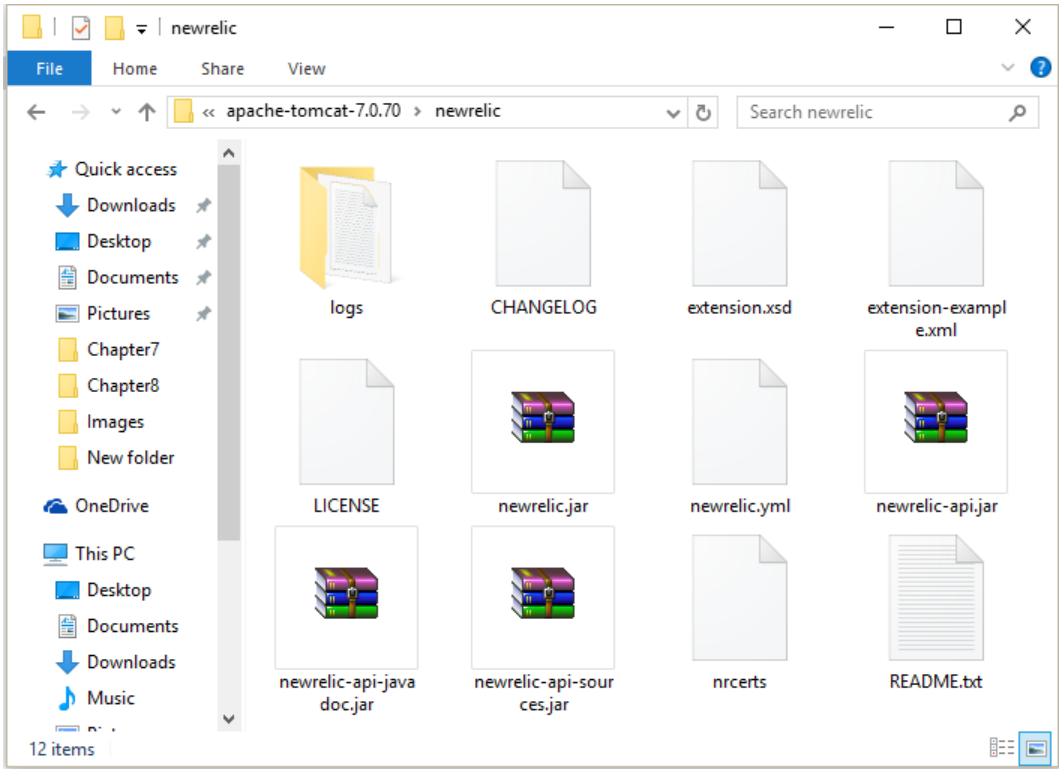

Microsoft Azure
Application Insights > DevOpsPetClinic > Application map > Add Application Insights
New
Resource groups
Recent
App Services
Virtual machines (classic)
Virtual machines
SQL databases
Subscriptions
Active Directory
App Service Environme...
Security Center
Browse
Application map
Last 4 hours - DevOpsPetClinic - PREVIEW
Time range
Filters
Refresh
Warning: 85 %
Error: 90 %
Learn more
Client: DevOpsPetClinic
Get client side load, performance & failure telemetry
AJAX
Monitor AJAX dependencies
Availability
Monitor availability with tests running 24x7 from up to 16 locations
Server: DevOpsPetClinic
Follow instructions on the right
HTTP
Monitor HTTP dependencies
SQL


Microsoft Azure
Application Insights
DevOpsPetClinic
Web tests
New
Resource groups
Recent
App Services
Virtual machines (classic)
Virtual machines
SQL databases
Subscriptions
Active Directory
App Service Environme...
Security Center
Browse
Web tests
Last 4 hours and 4 minutes (5 minute granularity) - DevOpsPetClinic - PREVIEW
Add web test
Time range
Refresh
All web tests response time (ms)
1 PM
2 PM
3 PM
4 PM
There are no web test results in this time period.
5:30 AM
All web tests
WEB TEST
20 MIN
1 H
24 H
72 H

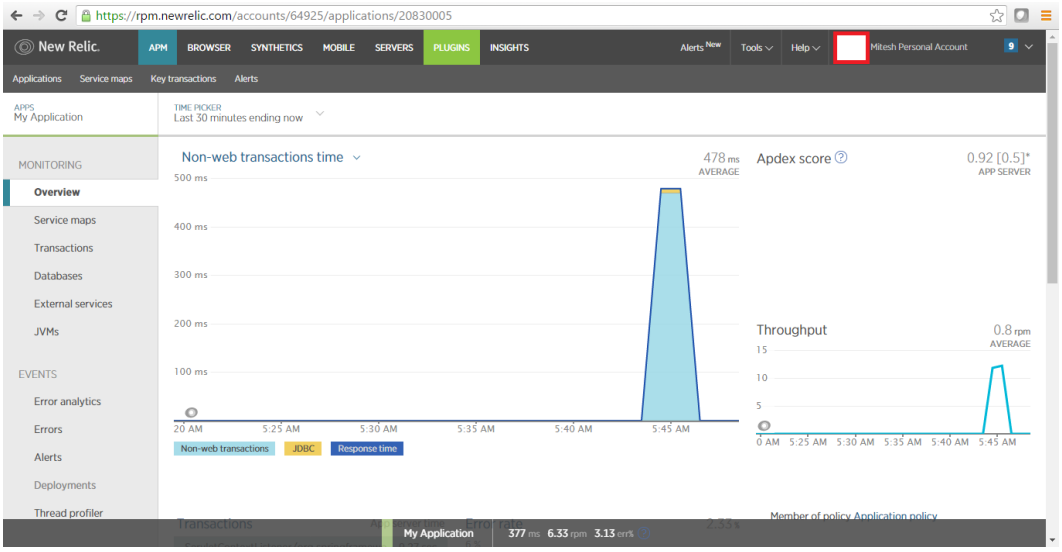

Microsoft Azure
Application Insights
DevOpsPetClinic
Web tests
Create test
New
Resource groups
Recent
App Services
Virtual machines (classic)
Virtual machines
SQL databases
Subscriptions
Active Directory
App Service Environme...
Security Center
Browse
Create test
PREVIEW
* Test name
DevOPsPetclinicTest
Test type
URL ping test
* URL
http://DevOpsPetClinic.azurewebsites.net
Parse dependent requests
Enable retries for web test failures.
Test frequency
5 minutes
Test locations
5 location(s) configured
Create


Microsoft Azure
Application Insights
DevOpsPetClinic
Web tests
New
Resource groups
Recent
App Services
Virtual machines (classic)
Virtual machines
SQL databases
Subscriptions
Active Directory
App Service Environme...
Web tests
Last 4 hours and 10 minutes (5 minute granularity) - DevOpsPetClinic - PREVIEW
Add web test
Time range
Refresh
All web tests response time (ms)
40s
20s
0s
1 PM
2 PM
3 PM
4 PM
TOTAL SUCCESSFUL TESTS
3
TOTAL FAILED TESTS
0
Filtered on tests between 7/31/2016 4:30 PM and 7/31/2016 4:40 PM
50s
40s
30s
20s
10s
0s
4:30 PM
4:31 PM
4:32 PM
4:33 PM
4:34 PM
4:35 PM
4:36 PM
4:37 PM
4:38 PM
4:39 PM
AVERAGE RESPONSE TIME
27.3 sec
SUCCESSFUL TESTS
3
FAILED TESTS
0

```
Microsoft Windows [Version 10.0.10586]
(c) 2015 Microsoft Corporation. All rights reserved.

C:\Users\Mitesh>cd \

C:\>cd apache-tomcat-7.0.70\newrelic

C:\apache-tomcat-7.0.70\newrelic>java -jar newrelic.jar install
***** ( ( o))  New Relic Java Agent Installer

***** Installing version 3.30.1 ...

* Backed up start script to C:\apache-tomcat-7.0.70\bin\catalina.bat.20160724_180719

* Added agent switch to start script C:\apache-tomcat-7.0.70\bin\catalina.bat

* No need to create New Relic configuration file because:
 A config file already exists: C:\apache-tomcat-7.0.70\newrelic\newrelic.yml

***** Install successful

***** Next steps:
You're almost done! To see performance data for your app:

1) Restart your app server
2) Exercise your app
3) Log into http://rpm.newrelic.com

Within two minutes, your app should show up, ready to monitor and troubleshoot.
If app data doesn't appear, check newrelic/logs/newrelic_agent.log for errors.

C:\apache-tomcat-7.0.70\newrelic>
```




```
Jul 24, 2016 18:14:17 +0530 [6920 7] com.newrelic INFO: Instrumentation
com.newrelic.instrumentation.hibernate-3.5 is enabled. Loading.
Jul 24, 2016 18:14:19 +0530 [6920 1] com.newrelic.agent.RPMServiceManagerImpl INFO: Configured
to connect to New Relic at collector.newrelic.com:443
Jul 24, 2016 18:14:20 +0530 [6920 1] com.newrelic INFO: Setting audit_mode to false
Jul 24, 2016 18:14:20 +0530 [6920 1] com.newrelic INFO: Setting protocol to "https"
Jul 24, 2016 18:14:21 +0530 [6920 1] com.newrelic.agent.config.ConfigServiceImpl INFO:
Configuration file is C:\apache-tomcat-7.0.70\newrelic\.\newrelic.yml
Jul 24, 2016 18:14:21 +0530 [6920 1] com.newrelic INFO: New Relic Agent v3.30.1 has started
Jul 24, 2016 18:14:21 +0530 [6920 1] com.newrelic INFO: Agent class loader:
sun.misc.Launcher$AppClassLoader@58644d46
Jul 24, 2016 18:14:21 +0530 [6920 1] com.newrelic INFO: Premain startup complete in 6,381ms
Jul 24, 2016 18:14:25 +0530 [6920 1] com.newrelic INFO: Server Info: Apache Tomcat/7.0.70
Jul 24, 2016 18:14:46 +0530 [6920 27] com.newrelic INFO: Display host name is my-pc for
application My Application
Jul 24, 2016 18:14:49 +0530 [6920 27] com.newrelic INFO: Collector redirection to
collector-216.newrelic.com:443
Jul 24, 2016 18:14:50 +0530 [6920 27] com.newrelic INFO: Agent run id: 89464200178842674
Jul 24, 2016 18:14:50 +0530 [6920 27] com.newrelic INFO: Agent 6920@my-pc/My Application
connected to collector.newrelic.com:443
Jul 24, 2016 18:14:50 +0530 [6920 27] com.newrelic INFO: Reporting to:
https://rpm.newrelic.com/accounts/64925/applications/20830005
Jul 24, 2016 18:14:50 +0530 [6920 27] com.newrelic INFO: Using RUM version 963 for application
"My Application"
Jul 24, 2016 18:14:50 +0530 [6920 27] com.newrelic INFO: Real user monitoring is enabled with
auto instrumentation for application "My Application"
```


https://rpm.newrelic.com/accounts/64925/applications/20830005
New Relic.
APM
BROWSER
SYNTHETICS
MOBILE
SERVERS
PLUGINS
INSIGHTS
Alerts New
Tools
Help
Mitesh Personal Account
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Applications
Service maps
Key transactions
Alerts
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My Application
TIME PICKER
Last 30 minutes ending now
MONITORING
Overview
Service maps
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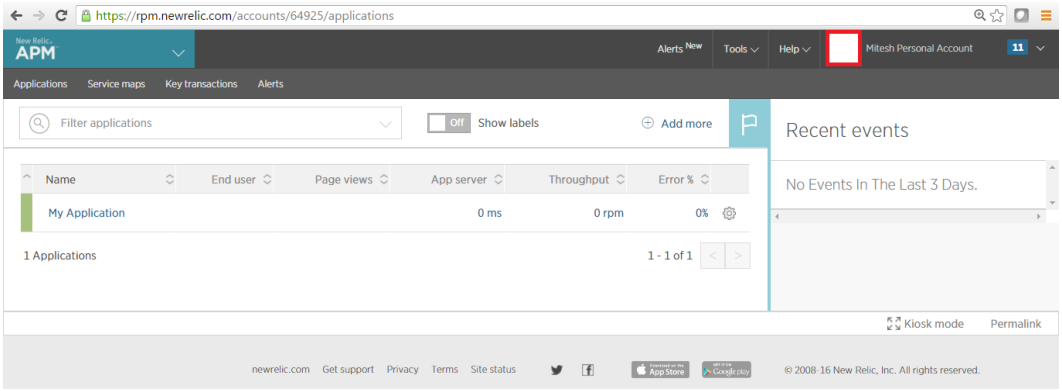
Databases
External services
JVMs
EVENTS
Error analytics
Errors
Alerts
Deployments
Thread profiler
Non-web transactions time
478 ms
AVERAGE
500 ms
400 ms
300 ms
200 ms
100 ms
20 AM
5:25 AM
5:30 AM
5:35 AM
5:40 AM
5:45 AM
Non-web transactions
JDBC
Response time
Apdex score
0.92 [0.5]*
APP SERVER
Throughput
0.8 rpm
AVERAGE
15
10
5
0 AM
5:25 AM
5:30 AM
5:35 AM
5:40 AM
5:45 AM
Member of policy Application policy
Transactions
My Application
377 ms
6.33 rpm
3.13 err%


https://rpm.newrelic.com/accounts/64925/applications
New Relic.
APM
Alerts New
Tools
Help
Mitesh Personal Account
11
Applications
Service maps
Key transactions
Alerts
Filter applications
Off
Show labels
Add more
Recent events
Name
End user
Page views
App server
Throughput
Error %
My Application
0 ms
0 rpm
0%
No Events In The Last 3 Days.
1 Applications
1 - 1 of 1
Kiosk mode
Permalink
newrelic.com
Get support
Privacy
Terms
Site status
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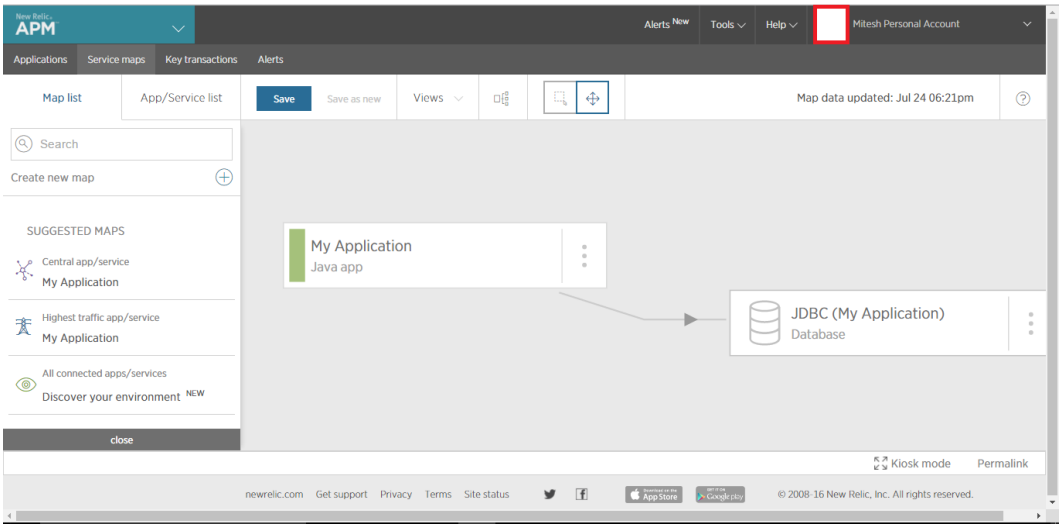
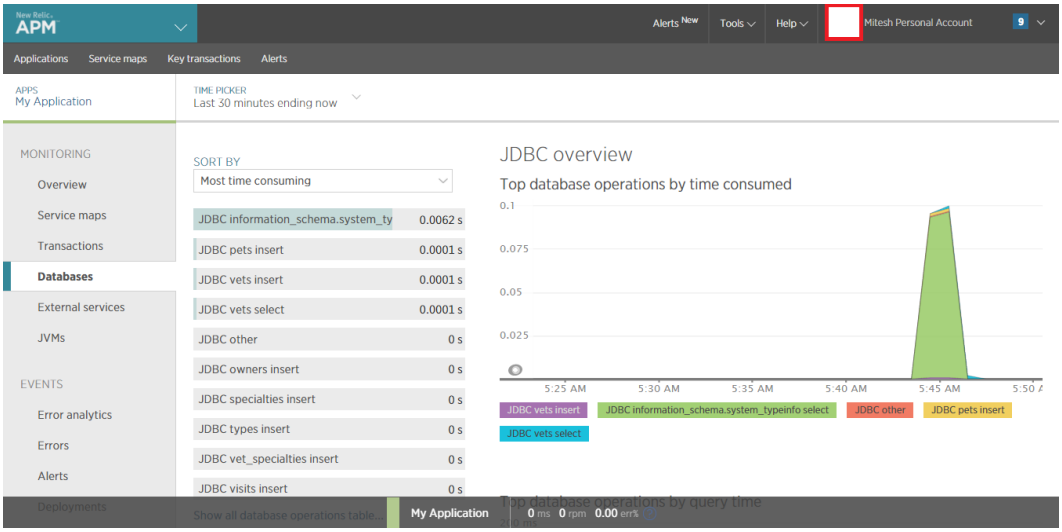

New Relic
APM
Alerts New
Tools
Help
Mitesh Personal Account
Applications
Service maps
Key transactions
Alerts
Map list
App/Service list
Save
Save as new
Views
Map data updated: Jul 24 06:21pm
Search
Create new map
SUGGESTED MAPS
Central app/service
My Application
Highest traffic app/service
My Application
All connected apps/services
Discover your environment NEW
close
My Application
Java app
JDBC (My Application)
Database
Kiosk mode
Permalink
newrelic.com
Get support
Privacy
Terms
Site status
© 2008-16 New Relic, Inc. All rights reserved.


New Relic
APM
Alerts New
Tools
Help
Mitesh Personal Account
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Applications
Service maps
Key transactions
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APPS
My Application
TIME PICKER
Last 30 minutes ending now
MONITORING
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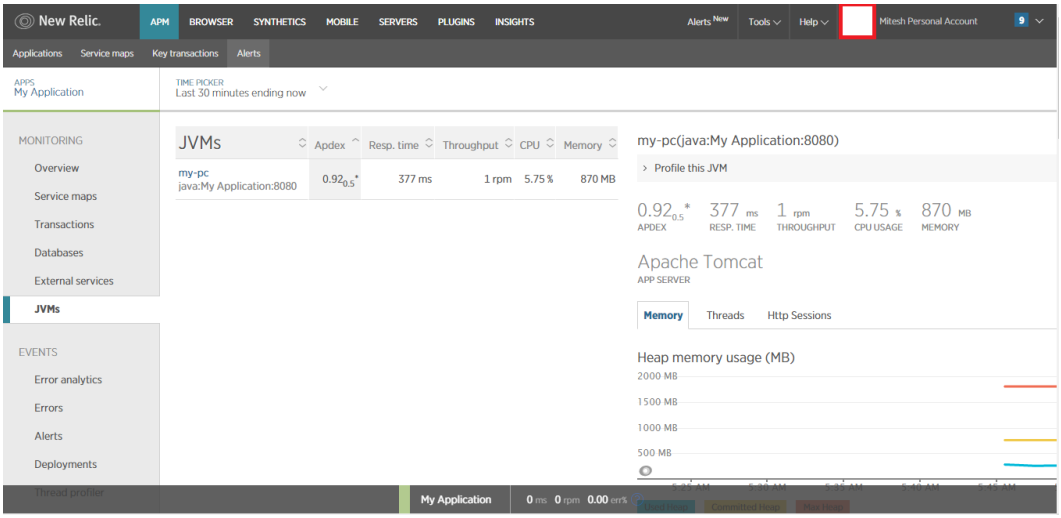
EVENTS
Error analytics
Errors
Alerts
Deployments
SORT BY
Most time consuming
JDBC information_schema.system_ty 0.0062 s
JDBC pets insert 0.0001 s
JDBC vets insert 0.0001 s
JDBC vets select 0.0001 s
JDBC other 0 s
JDBC owners insert 0 s
JDBC specialties insert 0 s
JDBC types insert 0 s
JDBC vet_specialties insert 0 s
JDBC visits insert 0 s
Show all database operations table...
JDBC overview
Top database operations by time consumed
0.1
0.075
0.05
0.025
5:25 AM
5:30 AM
5:35 AM
5:40 AM
5:45 AM
JDBC vets insert
JDBC information_schema.system_typeinfo select
JDBC other
JDBC pets insert
JDBC vets select
Top database operations by query time
My Application
0 ms 0 rpm 0.00 err%


New Relic.
APM
BROWSER
SYNTHETICS
MOBILE
SERVERS
PLUGINS
INSIGHTS
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Help
Mitesh Personal Account
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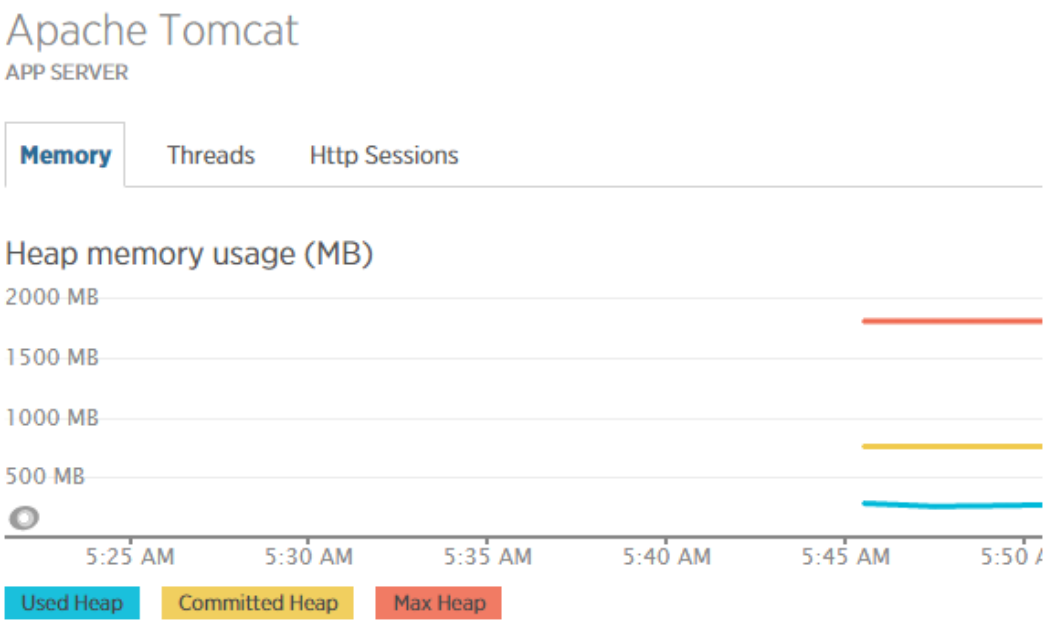
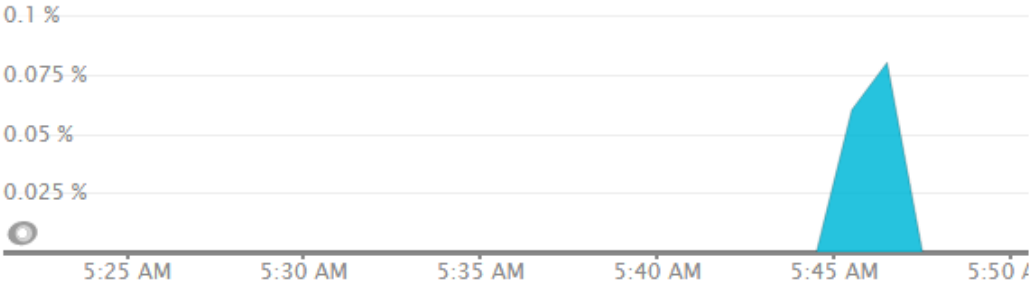
Alerts
Deployments
Thread profiler
JVMs
Apdex
Resp. time
Throughput
CPU
Memory
my-pc
java:My Application:8080
0.92 0.5*
377 ms
1 rpm
5.75 %
870 MB
my-pc(java:My Application:8080)
Profile this JVM
0.92 0.5* APDEX
377 ms RESP. TIME
1 rpm THROUGHPUT
5.75 % CPU USAGE
870 MB MEMORY
Apache Tomcat
APP SERVER
Memory
Threads
Http Sessions
Heap memory usage (MB)
2000 MB
1500 MB
1000 MB
500 MB
My Application
0 ms 0 rpm 0.00 err%

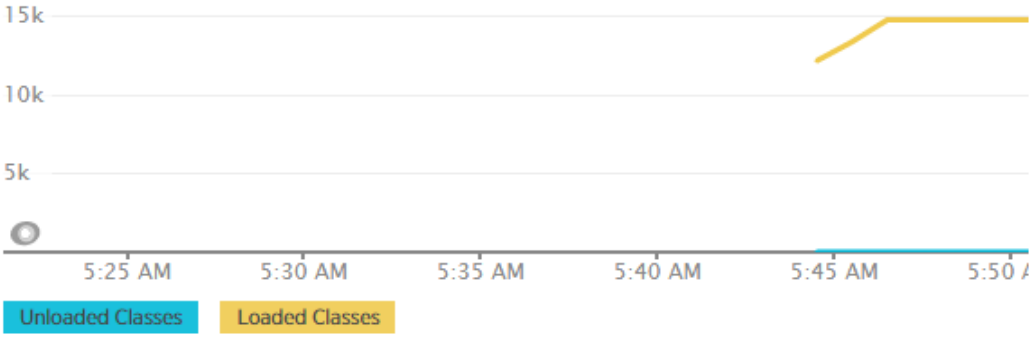

Apache Tomcat
APP SERVER
Memory
Threads
Http Sessions
Heap memory usage (MB)
2000 MB
1500 MB
1000 MB
500 MB
5:25 AM
5:30 AM
5:35 AM
5:40 AM
5:45 AM
5:50 A
Used Heap
Committed Heap
Max Heap

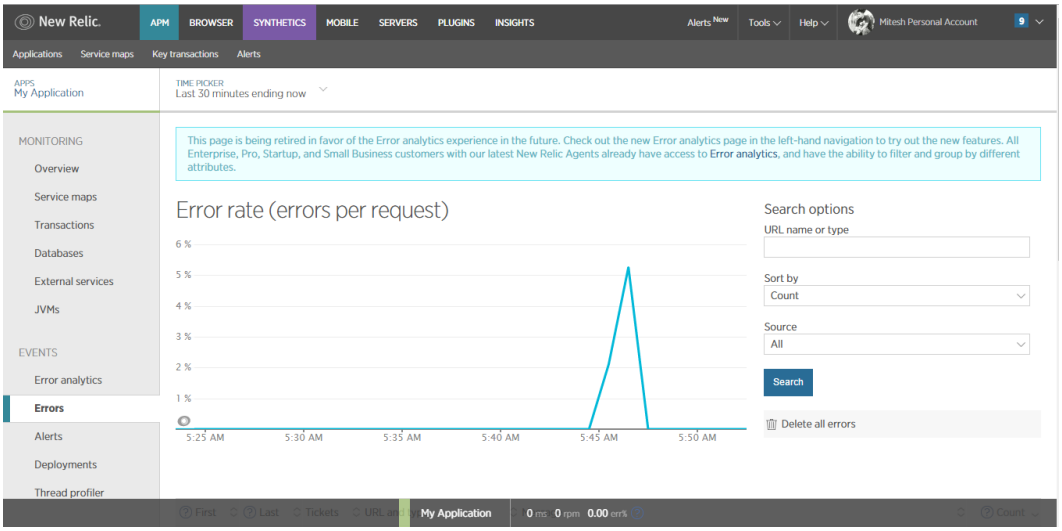
Garbage collection CPU time



Add to note | Embed

Class count




New Relic.
APM
BROWSER
SYNTHETICS
MOBILE
SERVERS
PLUGINS
INSIGHTS
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Last 30 minutes ending now
MONITORING
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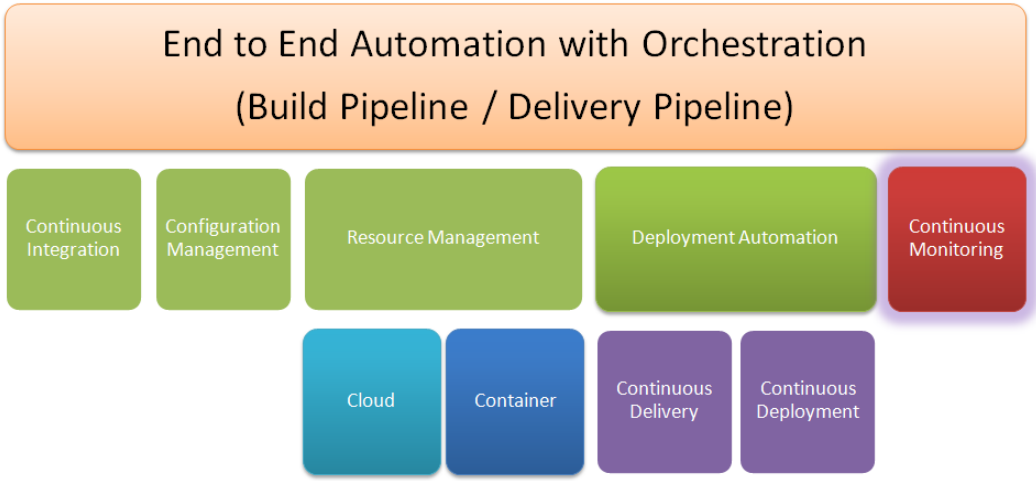
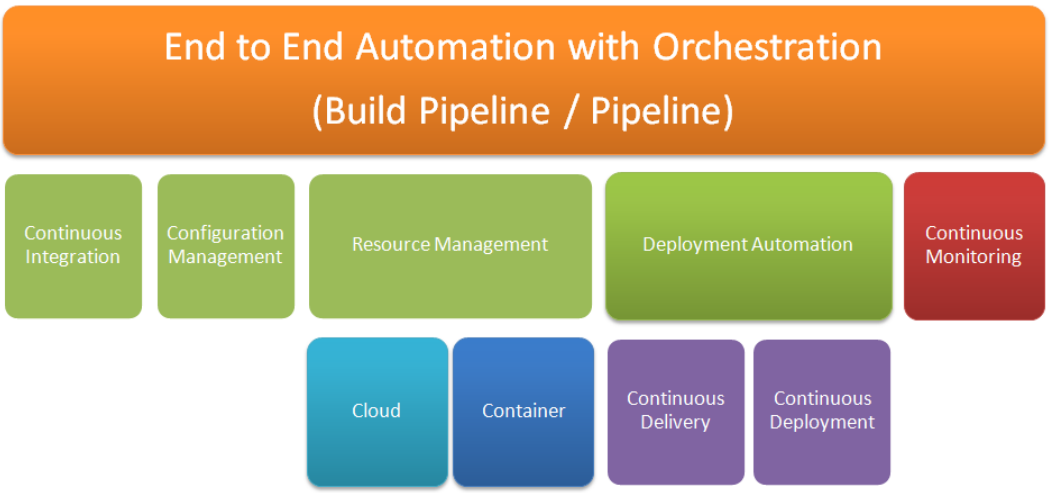
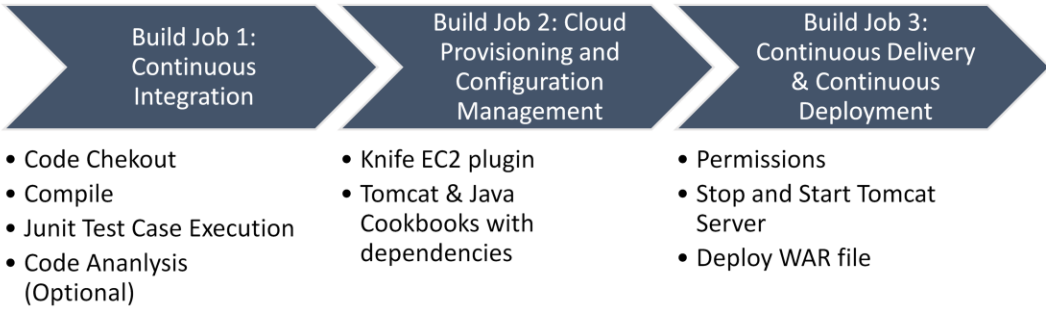
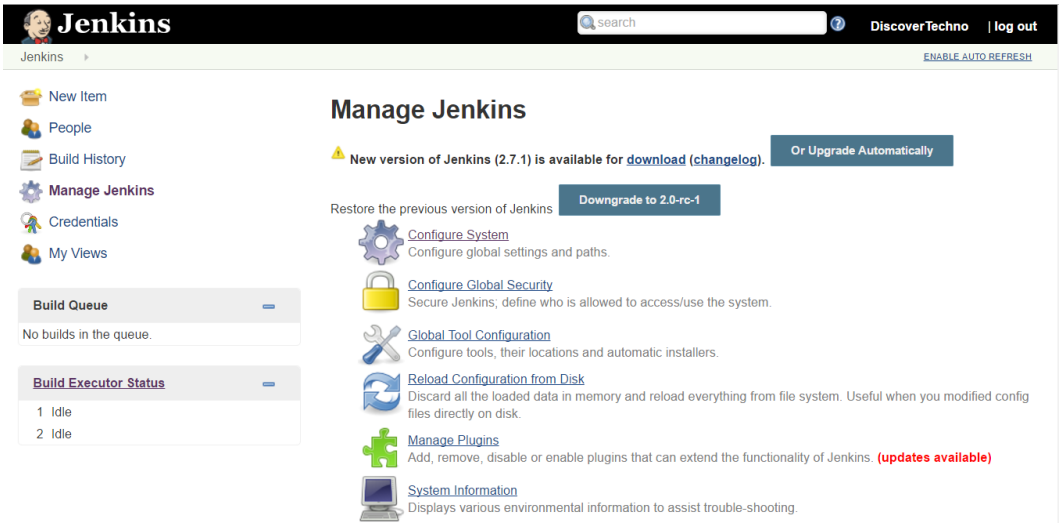
JVMs
EVENTS
Error analytics
Errors
Alerts
Deployments
Thread profiler
This page is being retired in favor of the Error analytics experience in the future. Check out the new Error analytics page in the left-hand navigation to try out the new features. All Enterprise, Pro, Startup, and Small Business customers with our latest New Relic Agents already have access to Error analytics, and have the ability to filter and group by different attributes.
Error rate (errors per request)
6 %
5 %
4 %
3 %
2 %
1 %
5:25 AM
5:30 AM
5:35 AM
5:40 AM
5:45 AM
5:50 AM
Search options
URL name or type
Sort by
Count
Source
All
Search
Delete all errors
My Application
0 ms 0 rpm 0.00 err%

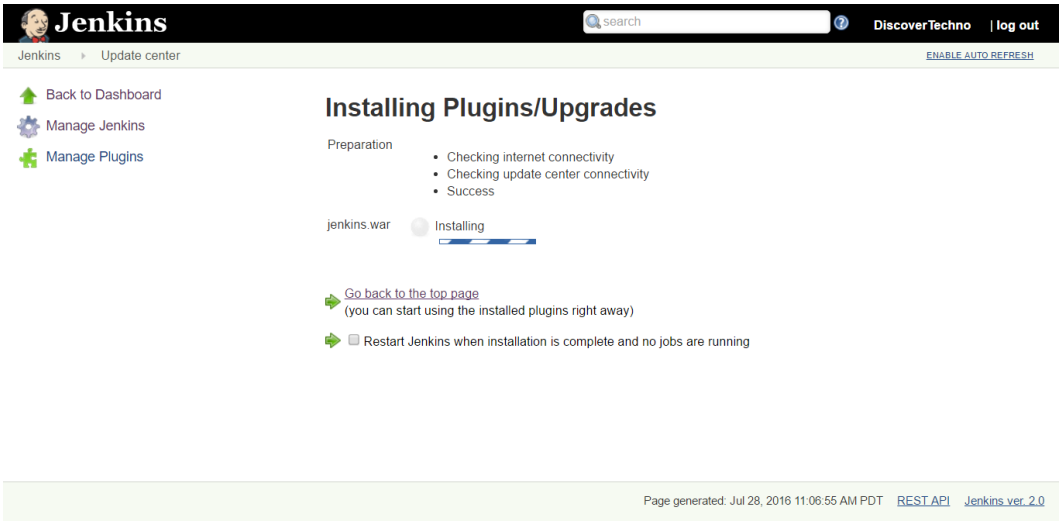

End to End Automation with Orchestration
(Build Pipeline / Delivery Pipeline)
Continuous Integration
Configuration Management
Resource Management
Deployment Automation
Continuous Monitoring
Cloud
Container
Continuous Delivery
Continuous Deployment

Chapter 9: Orchestrating Application Deployment






Jenkins
search
DiscoverTechno
| log out
Jenkins
ENABLE AUTO REFRESH
New Item
People
Build History
Manage Jenkins
Credentials
My Views
Build Queue
No builds in the queue.
Build Executor Status
1 Idle
2 Idle
Manage Jenkins
New version of Jenkins (2.7.1) is available for download (changelog).
Or Upgrade Automatically
Restore the previous version of Jenkins
Downgrade to 2.0-rc-1
Configure System
Configure global settings and paths.
Configure Global Security
Secure Jenkins; define who is allowed to access/use the system.
Global Tool Configuration
Configure tools, their locations and automatic installers.
Reload Configuration from Disk
Discard all the loaded data in memory and reload everything from file system. Useful when you modified config files directly on disk.
Manage Plugins
Add, remove, disable or enable plugins that can extend the functionality of Jenkins. (updates available)
System Information
Displays various environmental information to assist trouble-shooting.


Jenkins
search
DiscoverTechno
| log out
Jenkins
Update center
ENABLE AUTO REFRESH
Back to Dashboard
Manage Jenkins
Manage Plugins
Installing Plugins/Upgrades
Preparation
Checking internet connectivity
Checking update center connectivity
Success
jenkins.war
Installing
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
Page generated: Jul 28, 2016 11:06:55 AM PDT
REST API
Jenkins ver. 2.0

Installing Plugins/Upgrades

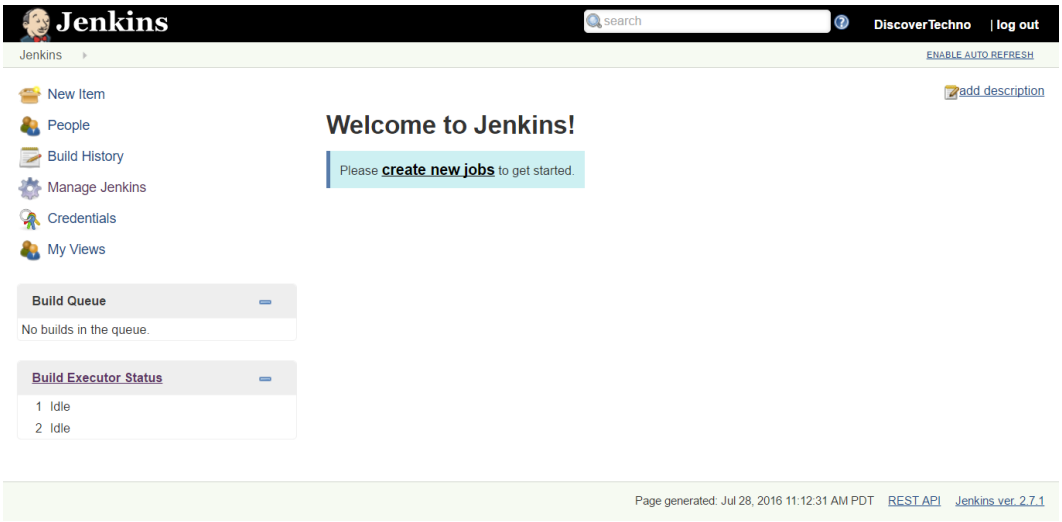
Preparation

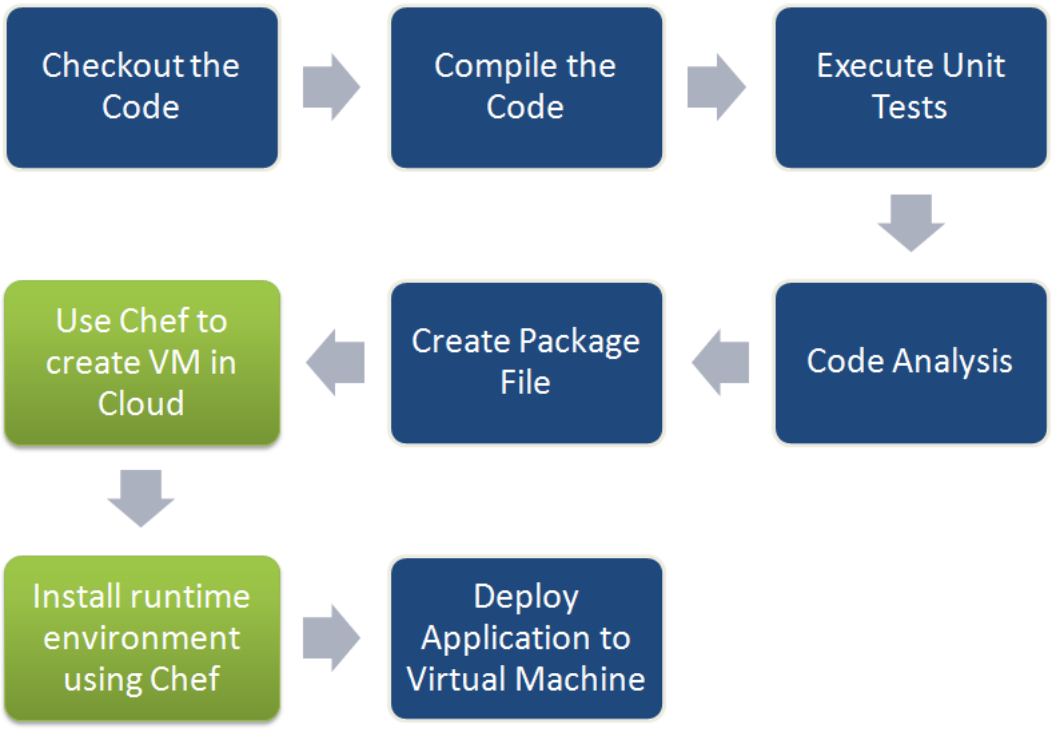
- Checking internet connectivity
- Checking update center connectivity
- Success

jenkins.war Success

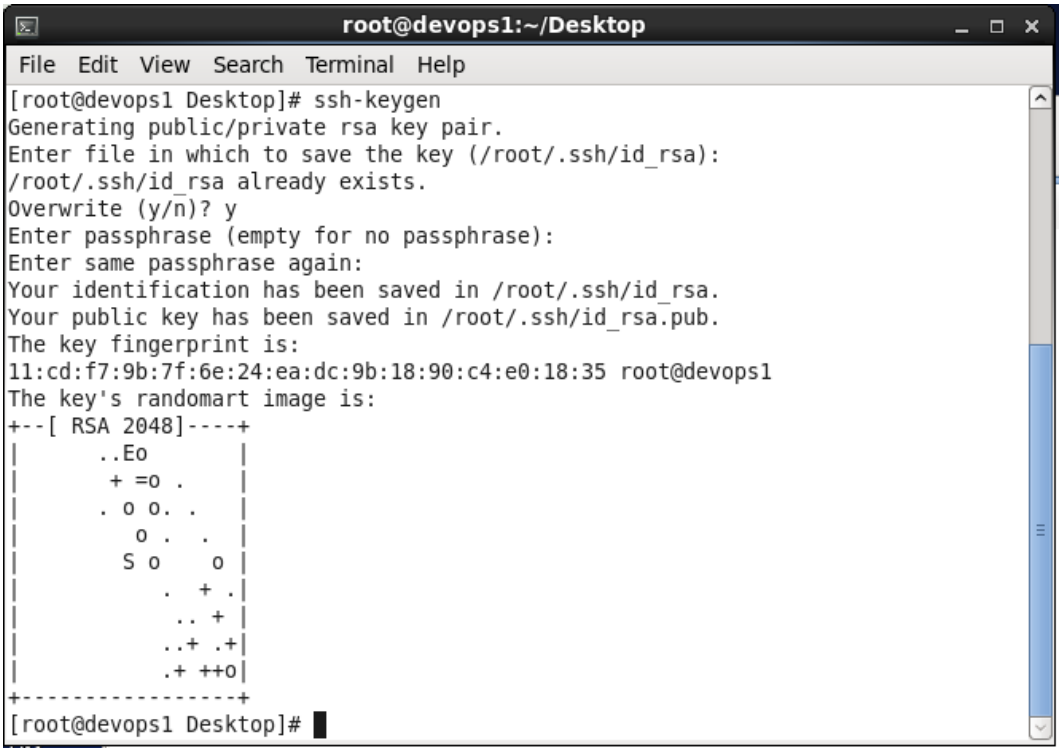
Go back to the top page
(you can start using the installed plugins right away)

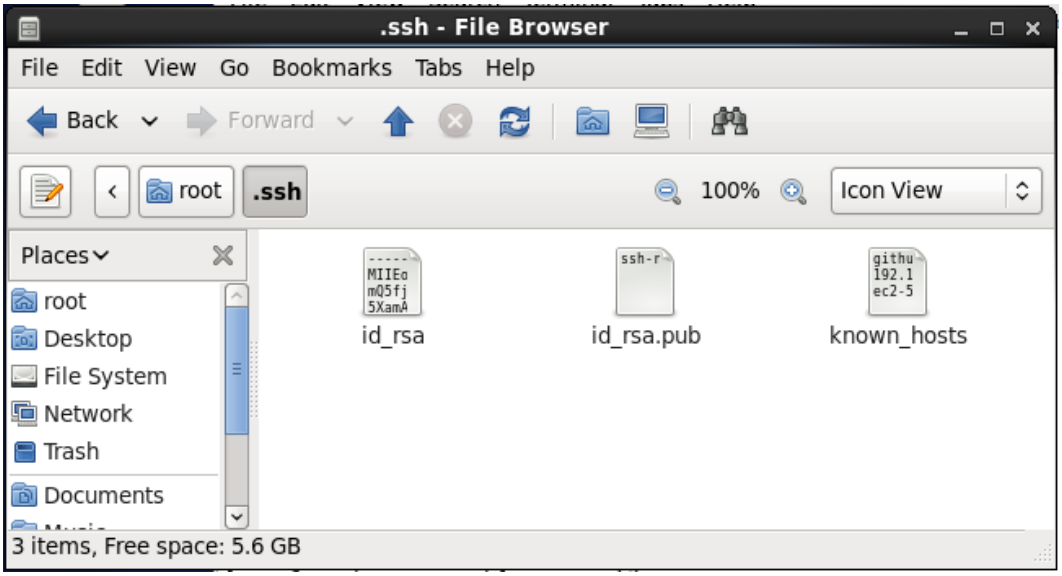
Restart Jenkins when installation is complete and no jobs are running



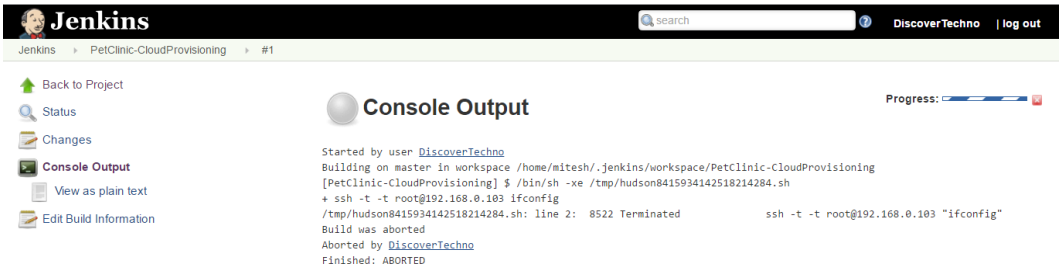

Checkout the Code
Compile the Code
Execute Unit Tests
Code Analysis
Create Package File
Use Chef to create VM in Cloud
Install runtime environment using Chef
Deploy Application to Virtual Machine

Jenkins
search
DiscoverTechno
| log out
Jenkins
PetClinic-CloudProvisioning
#1
Back to Project
Status
Changes
Console Output
View as plain text
Edit Build Information
Console Output
Progress:
Started by user DiscoverTechno
Building on master in workspace /home/mitesh/.jenkins/workspace/PetClinic-CloudProvisioning
[PetClinic-CloudProvisioning] $ /bin/sh -xe /tmp/hudson8415934142518214284.sh
+ ssh -t -t root@192.168.0.103 ifconfig
Page generated: Jul 28, 2016 11:50:57 AM PDT
REST API
Jenkins ver. 2.7.1

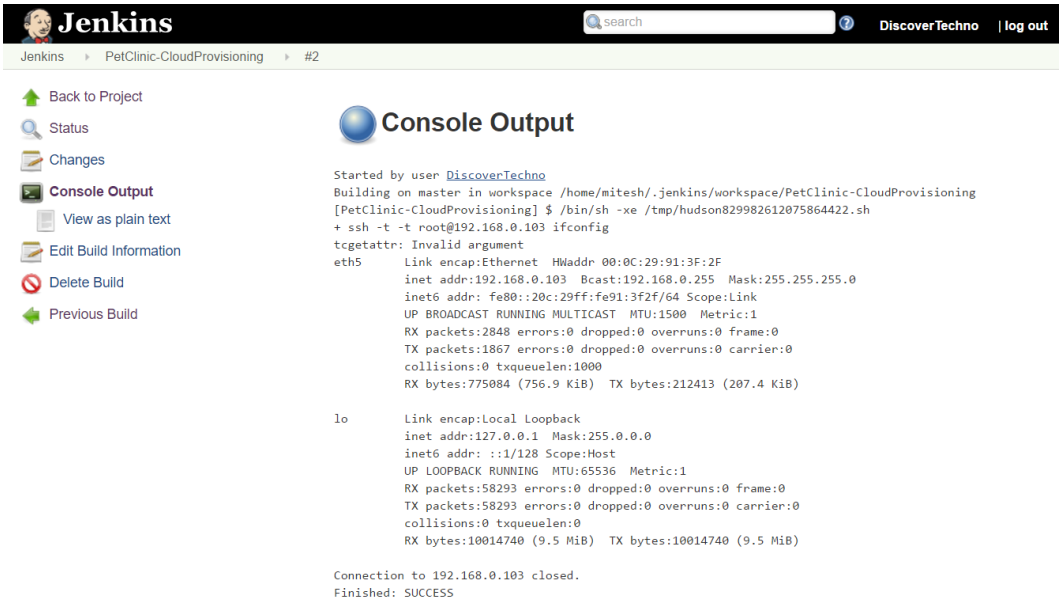

root@devops1:~/Desktop
File Edit View Search Terminal Help
[root@devops1 Desktop]# ssh-keygen
Generating public/private rsa key pair.
Enter file in which to save the key (/root/.ssh/id_rsa):
/root/.ssh/id_rsa already exists.
Overwrite (y/n)? y
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /root/.ssh/id_rsa.
Your public key has been saved in /root/.ssh/id_rsa.pub.
The key fingerprint is:
11:cd:f7:9b:7f:6e:24:ea:dc:9b:18:90:c4:e0:18:35 root@devops1
The key's randomart image is:
+--[RSA 2048]----+
| ..Eo |
| + =o . |
| . o o. . |
| o . . |
| S o   o |
| . + .|
| .. + |
| ..+ .+|
| .+ ++o|
+-----------------+
[root@devops1 Desktop]#

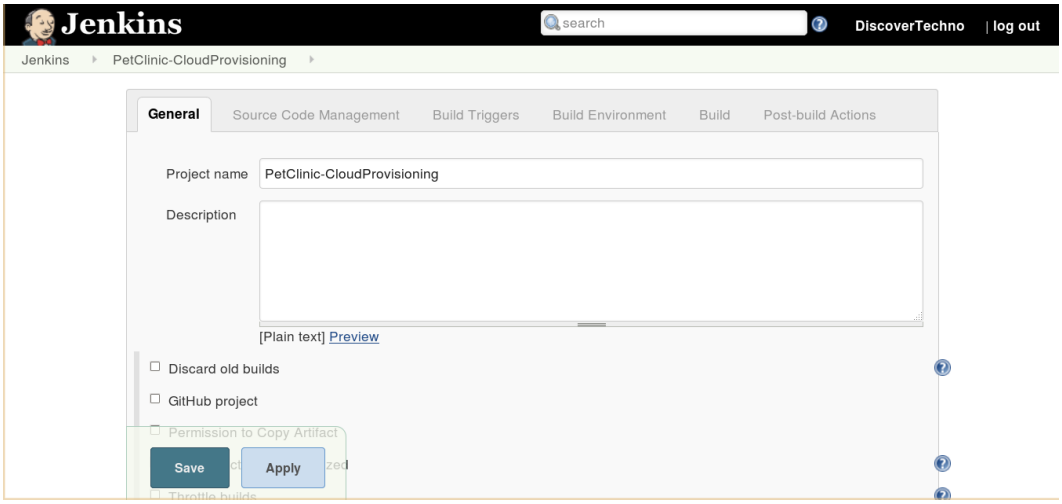

.ssh - File Browser
File Edit View Go Bookmarks Tabs Help
Back Forward
root .ssh
100% Icon View
Places
root
Desktop
File System
Network
Trash
Documents
id_rsa
id_rsa.pub
known_hosts
3 items, Free space: 5.6 GB

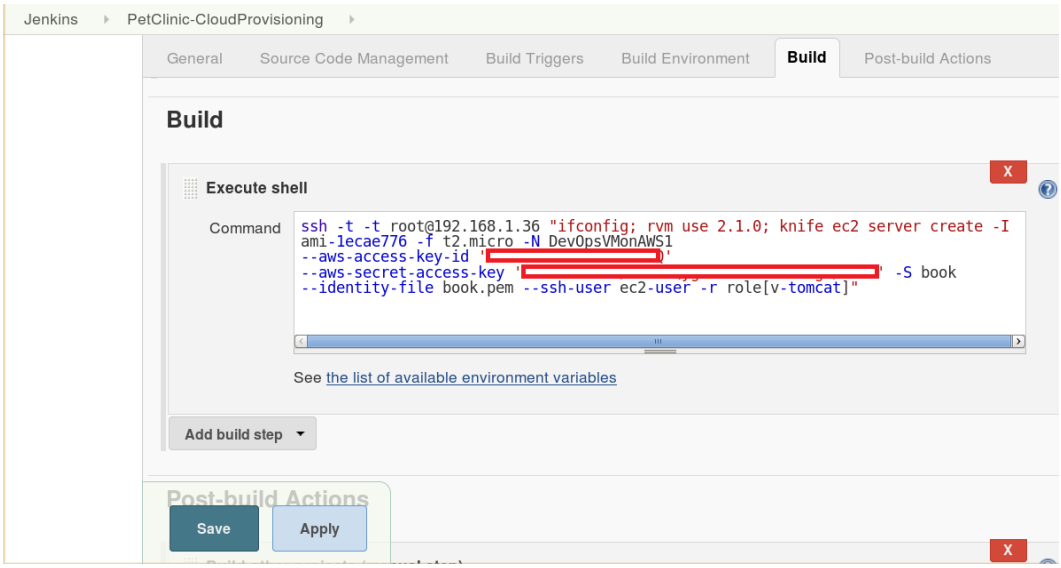
```
File  Edit  View  Search  Terminal  Help
[root@devops1 Desktop]# ssh-copy-id -i ~/.ssh/id_rsa.pub 192.168.0.106
Agent admitted failure to sign using the key.
root@192.168.0.106's password:
Now try logging into the machine, with "ssh '192.168.0.106'", and check in:

  .ssh/authorized_keys

to make sure we haven't added extra keys that you weren't expecting.

[root@devops1 Desktop]# ssh-copy-id -i ~/.ssh/id_rsa.pub mitesh@192.168.0.106
mitesh@192.168.0.106's password:
Now try logging into the machine, with "ssh 'mitesh@192.168.0.106'", and check i
n:

  .ssh/authorized_keys

to make sure we haven't added extra keys that you weren't expecting.
```



```
[mitesh@devops1 Desktop]$ ssh-copy-id -i ~/.ssh/id_rsa.pub root@192.168.0.103
root@192.168.0.103's password:
Now try logging into the machine, with "ssh 'root@192.168.0.103'", and check in:

  .ssh/authorized_keys

to make sure we haven't added extra keys that you weren't expecting.

[mitesh@devops1 Desktop]$ ssh -t root@192.168.0.103
Agent admitted failure to sign using the key.
root@192.168.0.103's password:

[mitesh@devops1 Desktop]$ ssh-add
Identity added: /home/mitesh/.ssh/id_rsa (/home/mitesh/.ssh/id_rsa)
[mitesh@devops1 Desktop]$ ssh -t root@192.168.0.103
Last login: Thu Jul 28 12:21:56 2016 from 192.168.0.106
[root@devops1 ~]# ifconfig
eth5      Link encap:Ethernet  HWaddr 00:0C:29:91:3F:2F
          inet addr:192.168.0.103  Bcast:192.168.0.255  Mask:255.255.255.0
          inet6 addr: fe80::20c:29ff:fe91:3f2f/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:2664 errors:0 dropped:0 overruns:0 frame:0
          TX packets:1727 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:716002 (699.2 KiB)  TX bytes:197090 (192.4 KiB)

lo        Link encap:Local Loopback
          inet addr:127.0.0.1  Mask:255.0.0.0
          inet6 addr: ::1/128 Scope:Host
          UP LOOPBACK RUNNING  MTU:65536  Metric:1
          RX packets:50663 errors:0 dropped:0 overruns:0 frame:0
          TX packets:50663 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
```

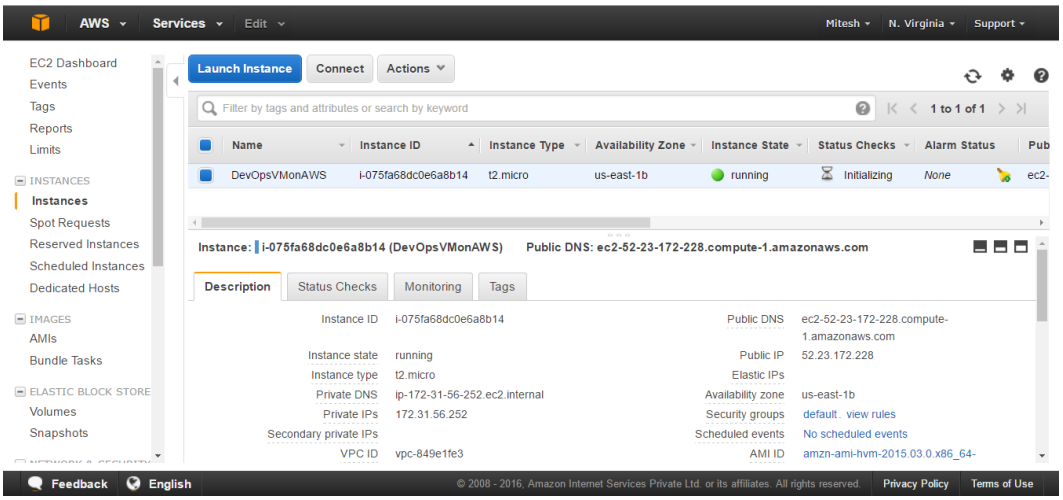

Jenkins
search
DiscoverTechno
| log out
Jenkins
PetClinic-CloudProvisioning
#2
Back to Project
Status
Changes
Console Output
View as plain text
Edit Build Information
Delete Build
Previous Build
Console Output
Started by user DiscoverTechno
Building on master in workspace /home/mitesh/.jenkins/workspace/PetClinic-CloudProvisioning
[PetClinic-CloudProvisioning] $ /bin/sh -xe /tmp/hudson829982612075864422.sh
+ ssh -t -t root@192.168.0.103 ifconfig
tcgetattr: Invalid argument
eth5 Link encap:Ethernet HWaddr 00:0C:29:91:3F:2F
inet addr:192.168.0.103 Bcast:192.168.0.255 Mask:255.255.255.0
inet6 addr: fe80::20c:29ff:fe91:3f2f/64 Scope:Link
UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
RX packets:2848 errors:0 dropped:0 overruns:0 frame:0
TX packets:1867 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:1000
RX bytes:775084 (756.9 KiB) TX bytes:212413 (207.4 KiB)
lo Link encap:Local Loopback
inet addr:127.0.0.1 Mask:255.0.0.0
inet6 addr: ::1/128 Scope:Host
UP LOOPBACK RUNNING MTU:65536 Metric:1
RX packets:58293 errors:0 dropped:0 overruns:0 frame:0
TX packets:58293 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:0
RX bytes:10014740 (9.5 MiB) TX bytes:10014740 (9.5 MiB)
Connection to 192.168.0.103 closed.
Finished: SUCCESS

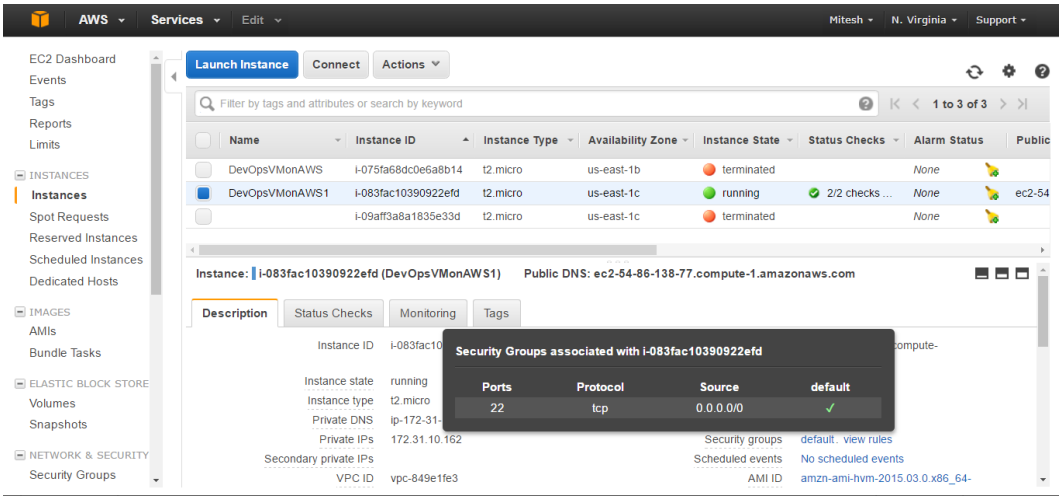

Jenkins
search
DiscoverTechno
| log out
Jenkins
PetClinic-CloudProvisioning
General
Source Code Management
Build Triggers
Build Environment
Build
Post-build Actions
Project name
PetClinic-CloudProvisioning
Description
[Plain text] Preview
Discard old builds
GitHub project
Permission to Copy Artifact
Save
Apply


Jenkins
PetClinic-CloudProvisioning
General
Source Code Management
Build Triggers
Build Environment
Build
Post-build Actions
Build
Execute shell
Command
ssh -t -t root@192.168.1.36 "ifconfig; rvm use 2.1.0; knife ec2 server create -I ami-1ecae776 -f t2.micro -N DevOpsVMonAWS1
--aws-access-key-id '[redacted]'
--aws-secret-access-key '[redacted]' -S book
--identity-file book.pem --ssh-user ec2-user -r role[v-tomcat]"
See the list of available environment variables
Add build step
Post-build Actions
Save
Apply

Jenkins
search
DiscoverTechno
| log out
Jenkins
PetClinic-CloudProvisioning
#6
Back to Project
Status
Changes
Console Output
View as plain text
Edit Build Information
Previous Build
Console Output
Progress:
Started by user DiscoverTechno
Building on master in workspace /home/mitesh/.jenkins/workspace/PetClinic-CloudProvisioning
[PetClinic-CloudProvisioning] $ /bin/sh -xe /tmp/hudson4921223362161492991.sh
+ ssh -t -t root@192.168.0.103 'ifconfig; rvm use 2.1.0; knife ec2 server create -I ami-1ecae776 -f t2.micro -N DevOpsVMonAWS --aws-access-key-id '\''[redacted]'\'' --aws-secret-access-key '\''[redacted]'\'' -S book --identity-file book.pem --ssh-user ec2-user -r role[v-tomcat]'
tcgetattr: Invalid argument
eth5 Link encap:Ethernet HWaddr 00:0C:29:91:3F:2F
inet addr:192.168.0.103 Bcast:192.168.0.255 Mask:255.255.255.0
inet6 addr: fe80::20c:29ff:fe91:3f2f/64 Scope:Link
UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
RX packets:3379 errors:0 dropped:0 overruns:0 frame:0
TX packets:2370 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:1000
RX bytes:981935 (958.9 KiB) TX bytes:271596 (265.2 KiB)
lo Link encap:Local Loopback
inet addr:127.0.0.1 Mask:255.0.0.0

```
          inet addr:127.0.0.1  Mask:255.0.0.0
          inet6 addr: ::1/128 Scope:Host
          UP LOOPBACK RUNNING  MTU:65536  Metric:1
          RX packets:69654 errors:0 dropped:0 overruns:0 frame:0
          TX packets:69654 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:11966874 (11.4 MiB)  TX bytes:11966874 (11.4 MiB)

[32mUsing /usr/local/rvm/gems/ruby-2.1.0[0m
[36mInstance ID[0m: i-075fa68dc0e6a8b14
[36mFlavor[0m: t2.micro
[36mImage[0m: ami-1ecae776
[36mRegion[0m: us-east-1
[36mAvailability Zone[0m: us-east-1b
[36mSecurity Groups[0m: default
[36mTags[0m: Name: DevOpsVMonAWS
[36mSSH Key[0m: book

[35mWaiting for EC2 to create the instance[0m....
[36mPublic DNS Name[0m: ec2-52-23-172-228.compute-1.amazonaws.com
[36mPublic IP Address[0m: 52.23.172.228
[36mPrivate DNS Name[0m: ip-172-31-56-252.ec2.internal
[36mPrivate IP Address[0m: 172.31.56.252
```






```
[32mUsing /usr/local/rvm/gems/ruby-2.1.0[0m
[36mInstance ID[0m: i-024d3bf83022b89e4
[36mFlavor[0m: t2.micro
[36mImage[0m: ami-1ecae776
[36mRegion[0m: us-east-1
[36mAvailability Zone[0m: us-east-1d
[36mSecurity Groups[0m: default
[36mTags[0m: Name: DevOpsVMonAWS
[36mSSH Key[0m: book

[35mWaiting for EC2 to create the instance[0m.....
[36mPublic DNS Name[0m: ec2-52-23-215-193.compute-1.amazonaws.com
[36mPublic IP Address[0m: 52.23.215.193
[36mPrivate DNS Name[0m: ip-172-31-31-133.ec2.internal
[36mPrivate IP Address[0m: 172.31.31.133

[35mWaiting for sshd access to become available[0m................................done
Creating new client for DevOpsVMonAWS
Creating new node for DevOpsVMonAWS
Connecting to [1mec2-52-23-215-193.compute-1.amazonaws.com[0m
[36mec2-52-23-215-193.compute-1.amazonaws.com[0m -----> Installing Chef Omnibus (-v 12)

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m downloading https://omnitruck-direct.chef.io/chef/install.sh

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m   to file /tmp/install.sh.2313/install.sh

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m trying wget...

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m el 6 x86_64
```

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m Getting information for chef stable 12 for el...

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m downloading https://omnitruck-direct.chef.io/stable/chef/metadata?v=12&p=el&pv=6&m=x86_64

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m   to file /tmp/install.sh.2318/metadata.txt

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m trying wget...

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m sha1   67b7e152fc8440ceb2a9f027e3b2edc93d3759db

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m sha256
9c6455bd30568c639e19485837bacbd07972c8e9f5cc3831fba4bc415bed24ad

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m url   https://packages.chef.io/stable/el/6/chef-12.12.15-1.el6.x86_64.rpm

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m version   12.12.15

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m downloaded metadata file looks valid...

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m downloading https://packages.chef.io/stable/el/6/chef-12.12.15-1.el6.x86_64.rpm

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m   to file /tmp/install.sh.2318/chef-12.12.15-1.el6.x86_64.rpm

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m trying wget...

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m Comparing checksum with sha256sum...

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m Installing chef 12

```
[36mec2-52-23-215-193.compute-1.amazonaws.com[0m Installing chef 12

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m installing with rpm...

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m warning: /tmp/install.sh.2318/chef-12.12.15-1.el6.x86_64.rpm: Header
V4 DSA/SHA1 Signature, key ID 83ef826a: NOKEY

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m Preparing...
(100%)#                                 (100%)##                                (100%)###
(100%)####                              (100%)#####                             (100%)######
(100%)#######                           (100%)########                          (100%)#########
(100%)##########                        (100%)###########                       (100%)############
(100%)#############                     (100%)##############                    (100%)###############
(100%)#################                 (100%)#################                 (100%)##################
(100%)####################              (100%)####################              (100%)####################
(100%)########################          (100%)########################          (100%)########################
(100%)############################      (100%)############################      (100%)############################
(100%)##################################   (100%)##################################
(100%)################################## (100%)################################## [100%]

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m Updating / installing...

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m    1:chef-12.12.15-1.el6
(  1%)#                                 (  4%)##                                (  7%)###
( 10%)####                              ( 13%)#####                             ( 16%)######
( 19%)#######                           ( 22%)########                          ( 25%)#########
( 28%)##########                        ( 31%)###########                       ( 34%)############
( 37%)#############                     ( 40%)##############                    ( 43%)###############
( 46%)#################                 ( 49%)##################                ( 51%)###################
( 54%)####################              ( 57%)#####################             ( 60%)######################
( 63%)########################          ( 66%)########################          ( 69%)#########################
( 72%)############################      ( 75%)############################      ( 78%)############################
( 81%)################################  ( 84%)################################  ( 87%)#################################
( 90%)####################################   ( 93%)####################################  (
96%)##################################### ( 99%)##################################### [100%]
```

```
[36mec2-52-23-215-193.compute-1.amazonaws.com[0m Thank you for installing Chef!

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m Starting the first Chef Client run...

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m Starting Chef Client, version 12.12.15

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m resolving cookbooks for run list: ["tomcat"]

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m Synchronizing Cookbooks:

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m   - tomcat (0.17.0)

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m   - java (1.39.0)

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m   - apt (3.0.0)

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m   - chef-sugar (3.3.0)

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m   - openssl (4.4.0)

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m Installing Cookbook Gems:

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m Compiling Cookbooks...

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m [2016-07-28T20:42:33+00:00] WARN: Chef::Provider::AptRepository
already exists!  Cannot create deprecation class for LWRP provider apt_repository from cookbook apt

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m [2016-07-28T20:42:33+00:00] WARN: AptRepository already exists!
Deprecation class overwrites Custom resource apt_repository from cookbook apt

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m Converging 3 resources

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m Recipe: tomcat::default

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m   * yum_package[tomcat6] action install
```

```
[36mec2-52-23-215-193.compute-1.amazonaws.com[0m Recipe: tomcat::default

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m   * yum_package[tomcat6] action install

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m     - install version 6.0.45-1.5.amzn1 of package tomcat6

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m   * yum_package[tomcat6-admin-webapps] action install

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m     - install version 6.0.45-1.5.amzn1 of package tomcat6-admin-
webapps

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m   * tomcat_instance[base] action configure (up to date)

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m   * directory[/usr/share/tomcat6/lib/endorsed] action create

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m     - create new directory /usr/share/tomcat6/lib/endorsed

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m     - change mode from '' to '0755'

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m   * template[/etc/sysconfig/tomcat6] action create

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m     - update content in file /etc/sysconfig/tomcat6 from 32bba1 to
7eb379

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m     --- /etc/sysconfig/tomcat6 2016-07-18 23:03:48.000000000 +0000

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m     +++ /etc/sysconfig/.chef-tomcat620160728-2391-pszhdv       2016-
07-28 20:43:24.765025585 +0000

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m     @@ -1,3 +1,9 @@

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m     +#

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m     +# Dynamically generated by Chef on ip-172-31-31-
133.ec2.internal
```

```
[36mec2-52-23-215-193.compute-1.amazonaws.com[0m          <!-- A "Connector" using the shared thread pool-->
[36mec2-52-23-215-193.compute-1.amazonaws.com[0m          <!--
[36mec2-52-23-215-193.compute-1.amazonaws.com[0m          <Connector executor="tomcatThreadPool"
[36mec2-52-23-215-193.compute-1.amazonaws.com[0m     -              port="8080" protocol="HTTP/1.1"
[36mec2-52-23-215-193.compute-1.amazonaws.com[0m     -              connectionTimeout="20000"
[36mec2-52-23-215-193.compute-1.amazonaws.com[0m     +              port="8080" protocol="HTTP/1.1"
[36mec2-52-23-215-193.compute-1.amazonaws.com[0m     +              connectionTimeout="20000"
[36mec2-52-23-215-193.compute-1.amazonaws.com[0m                    redirectPort="8443" />
[36mec2-52-23-215-193.compute-1.amazonaws.com[0m     -    -->
[36mec2-52-23-215-193.compute-1.amazonaws.com[0m     +    -->
[36mec2-52-23-215-193.compute-1.amazonaws.com[0m          <!-- Define a SSL HTTP/1.1 Connector on port 8443
[36mec2-52-23-215-193.compute-1.amazonaws.com[0m     -         This connector uses the JSSE configuration, when using
APR, the
[36mec2-52-23-215-193.compute-1.amazonaws.com[0m     +         This connector uses the JSSE configuration, when using
APR, the
[36mec2-52-23-215-193.compute-1.amazonaws.com[0m              connector should be using the OpenSSL style
configuration
[36mec2-52-23-215-193.compute-1.amazonaws.com[0m              described in the APR documentation -->
```

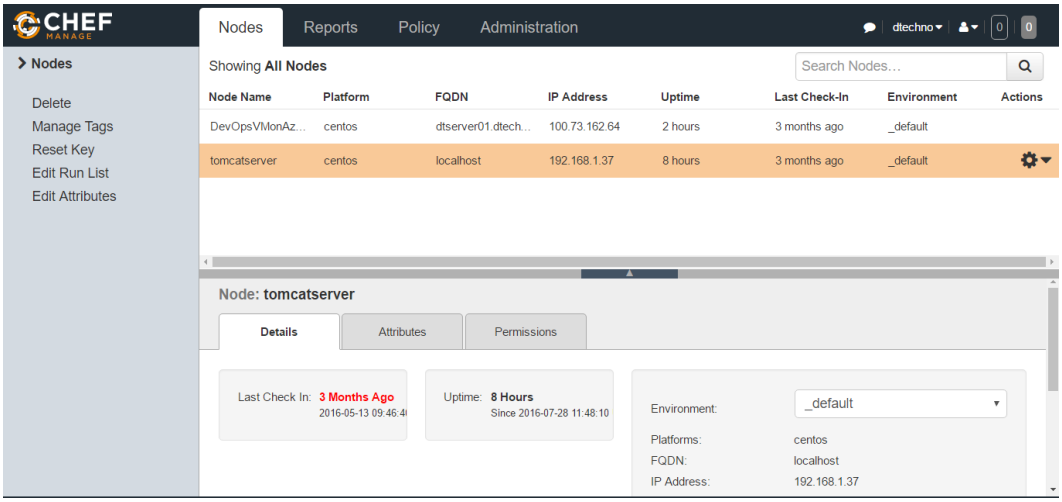
```
[36mec2-52-23-215-193.compute-1.amazonaws.com[0m   * service[tomcat6] action start

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m     - start service service[tomcat6]

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m   * execute[wait for tomcat6] action run

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m     - execute sleep 5

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m   * service[tomcat6] action enable

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m     - enable service service[tomcat6]

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m   * execute[wait for tomcat6] action run

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m     - execute sleep 5

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m   * execute[wait for tomcat6] action nothing
:nothing)

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m   * service[tomcat6] action restart

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m     - restart service service[tomcat6]

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m   * execute[wait for tomcat6] action run

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m     - execute sleep 5

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m Running handlers:

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m Running handlers complete
```

```
[36mec2-52-23-215-193.compute-1.amazonaws.com[0m

[36mec2-52-23-215-193.compute-1.amazonaws.com[0m Chef Client finished, 13/15 resources
seconds


[36mInstance ID[0m: i-024d3bf83022b89e4
[36mFlavor[0m: t2.micro
[36mImage[0m: ami-1ecae776
[36mRegion[0m: us-east-1
[36mAvailability Zone[0m: us-east-1d
[36mSecurity Groups[0m: default
[36mSecurity Group Ids[0m: default
[36mTags[0m: Name: DevOpsVMonAWS
[36mSSH Key[0m: book
[36mRoot Device Type[0m: ebs
[36mRoot Volume ID[0m: vol-00aae3951d7ed88bb
[36mRoot Device Name[0m: /dev/xvda
[36mRoot Device Delete on Terminate[0m: true

[35mBlock devices[0m
[35m============================[0m
[36mDevice Name[0m: /dev/xvda
[36mVolume ID[0m: vol-00aae3951d7ed88bb
[36mDelete on Terminate[0m: true

[35m============================[0m
[36mPublic DNS Name[0m: ec2-52-23-215-193.compute-1.amazonaws.com
[36mPublic IP Address[0m: 52.23.215.193
[36mPrivate DNS Name[0m: ip-172-31-31-133.ec2.internal
[36mPrivate IP Address[0m: 172.31.31.133
[36mEnvironment[0m: _default
[36mRun List[0m: role[v-tomcat]
Connection to 192.168.0.103 closed.
Finished: SUCCESS
```

```
C:\Users\Mitesh\Downloads>java -jar slave.jar -jnlpUrl http://192.168.1.35:8080/compu
ter/TestServer/slave-agent.jnlp -secret 65464e02c58c85b192883f7848ad2758408220bed2f3a
f715c01c9b01cb72f9b
Jul 30, 2016 11:21:00 AM hudson.remoting.jnlp.Main createEngine
INFO: Setting up slave: TestServer
Jul 30, 2016 11:21:00 AM hudson.remoting.jnlp.Main$CuiListener <init>
INFO: Jenkins agent is running in headless mode.
Jul 30, 2016 11:21:00 AM hudson.remoting.jnlp.Main$CuiListener status
INFO: Locating server among [http://192.168.1.34:8080/, http://192.168.1.35:8080/]
Jul 30, 2016 11:21:01 AM hudson.remoting.jnlp.Main$CuiListener status
INFO: Handshaking
Jul 30, 2016 11:21:01 AM hudson.remoting.jnlp.Main$CuiListener status
INFO: Connecting to 192.168.1.35:33337
Jul 30, 2016 11:21:01 AM hudson.remoting.jnlp.Main$CuiListener status
INFO: Trying protocol: JNLP3-connect
Jul 30, 2016 11:21:02 AM hudson.remoting.jnlp.Main$CuiListener status
INFO: Server didn't accept the handshake: Unknown protocol:Protocol:JNLP3-connect
Jul 30, 2016 11:21:02 AM hudson.remoting.jnlp.Main$CuiListener status
INFO: Connecting to 192.168.1.35:33337
Jul 30, 2016 11:21:02 AM hudson.remoting.jnlp.Main$CuiListener status
INFO: Trying protocol: JNLP2-connect
Jul 30, 2016 11:21:02 AM hudson.remoting.jnlp.Main$CuiListener status
INFO: Connected
```

S	Name ↓	Architecture	Clock Difference	Free Disk Space	Free Swap Space	Free Temp Space	Response Time	
	master	Linux (amd64)	In sync	7.88 GB	1.66 GB	7.88 GB	0ms	
	TestServer	Windows 8.1 (amd64)	In sync	31.88 GB	2.47 GB	120.38 GB	3087ms	
	Data obtained	**58 sec**	**58 sec**	**1 min 0 sec**	**58 sec**	**58 sec**	**1 min 0 sec**	

Refresh status



Name

PetClinic-Build-Pipeline-View

Description

[Plain text] Preview

Filter build queue

Filter build executors

Build Pipeline View Title

First Pet-Clinic Build Pipeline

Layout

Based on upstream/downstream relationship

OK

Apply

Build Pipeline View Title: First Pet-Clinic Build Pipeline

Layout: Based on upstream/downstream relationship

This layout mode derives the pipeline structure based on the upstream/downstream trigger relationship between jobs.

Select Initial Job: PetClinic-Compile

No Of Displayed Builds: 2

Restrict triggers to most recent successful builds: Yes / No

Always allow manual trigger on pipeline steps: Yes / No

Show pipeline project headers: Yes / No

Show pipeline parameters in project headers: Yes / No

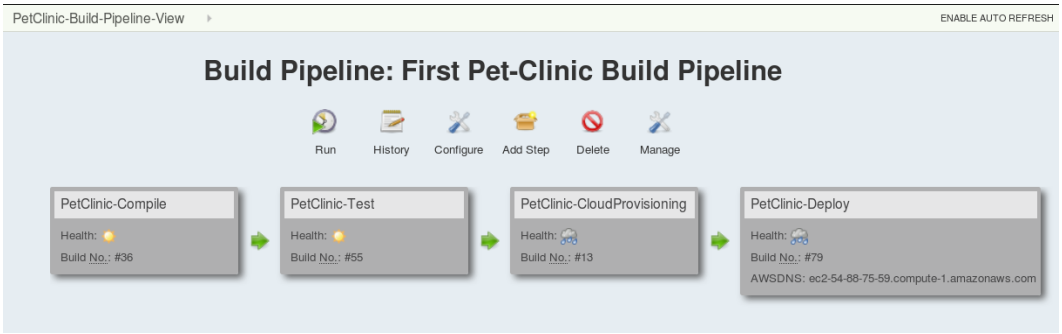
Show pipeline parameters in revision box: Yes / No

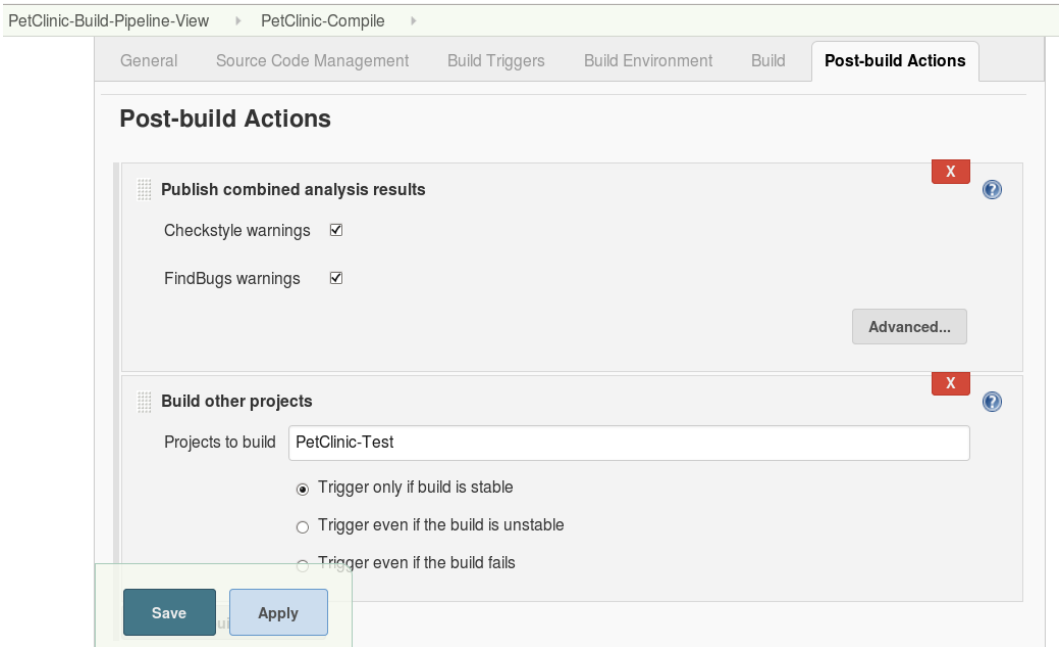
Refresh frequency (in seconds): 3

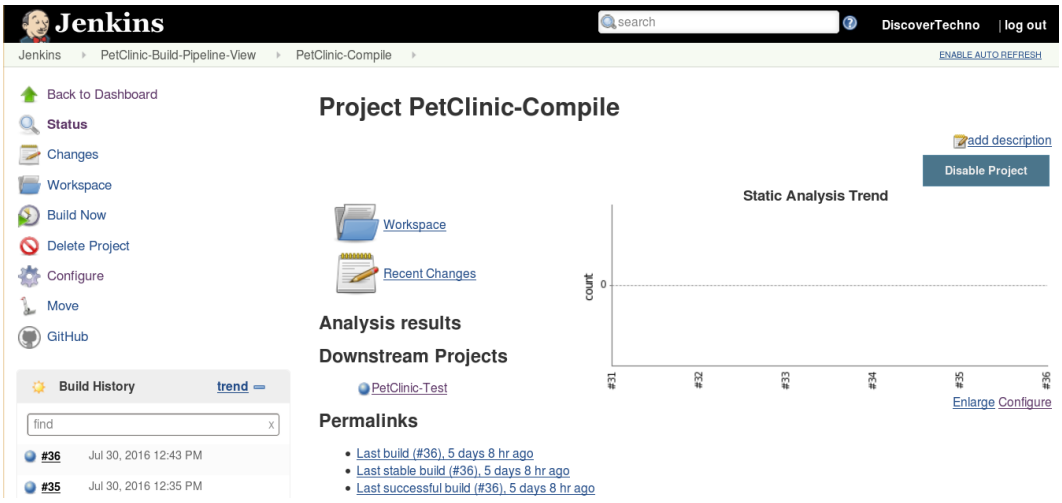
URL for custom CSS files:

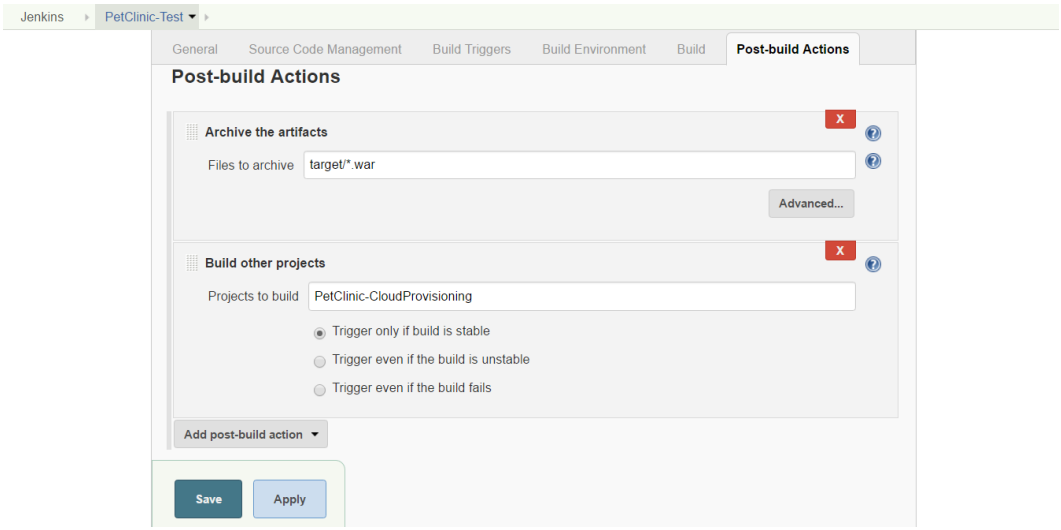
Console Output Link Style: Lightbox

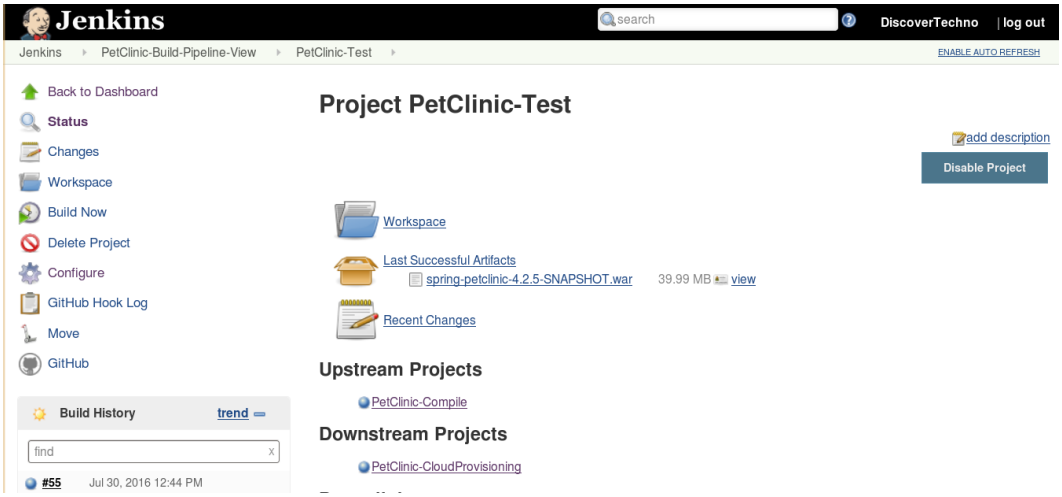
OK Apply




PetClinic-Build-Pipeline-View
PetClinic-Compile
General
Source Code Management
Build Triggers
Build Environment
Build
Post-build Actions
Post-build Actions
Publish combined analysis results
Checkstyle warnings
FindBugs warnings
Advanced...
Build other projects
Projects to build
PetClinic-Test
Trigger only if build is stable
Trigger even if the build is unstable
Trigger even if the build fails
Save
Apply


Jenkins
search
DiscoverTechno
log out
Jenkins
PetClinic-Build-Pipeline-View
PetClinic-Compile
ENABLE AUTO REFRESH
Back to Dashboard
Status
Changes
Workspace
Build Now
Delete Project
Configure
Move
GitHub
Build History
trend
find
#36 Jul 30, 2016 12:43 PM
#35 Jul 30, 2016 12:35 PM
Project PetClinic-Compile
add description
Disable Project
Workspace
Recent Changes
Analysis results
Downstream Projects
PetClinic-Test
Permalinks
Last build (#36), 5 days 8 hr ago
Last stable build (#36), 5 days 8 hr ago
Last successful build (#36), 5 days 8 hr ago
Static Analysis Trend
count
0
#31
#32
#33
#34
#35
#36
Enlarge Configure

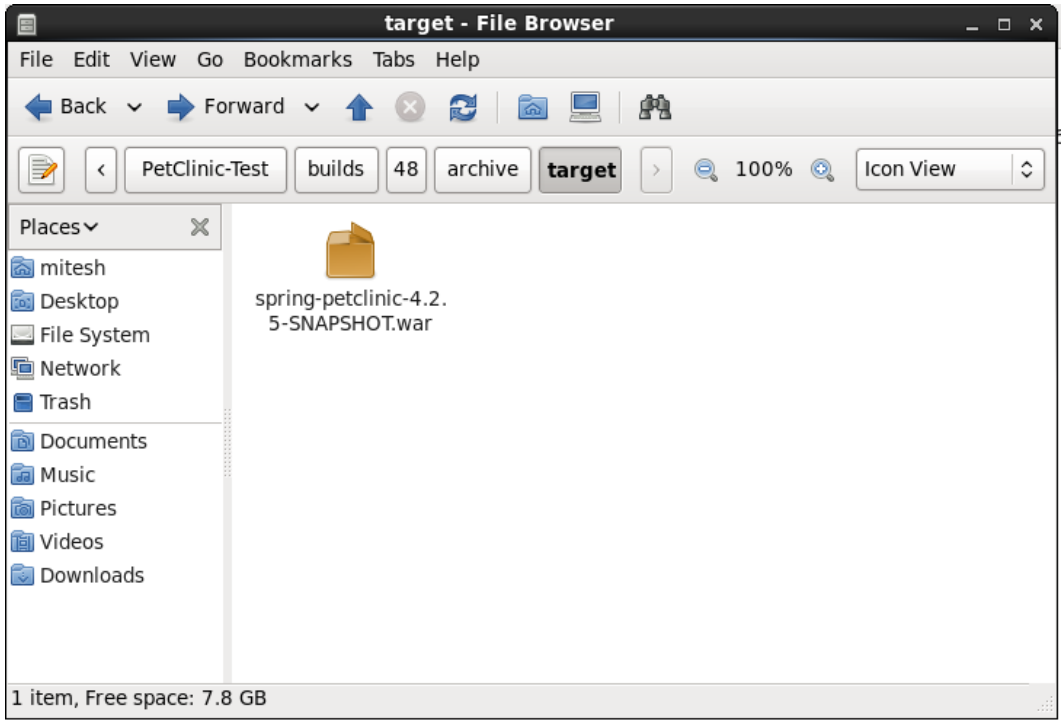

Jenkins
PetClinic-Test
General
Source Code Management
Build Triggers
Build Environment
Build
Post-build Actions
Post-build Actions
Archive the artifacts
Files to archive
target/*.war
Advanced...
Build other projects
Projects to build
PetClinic-CloudProvisioning
Trigger only if build is stable
Trigger even if the build is unstable
Trigger even if the build fails
Add post-build action
Save
Apply

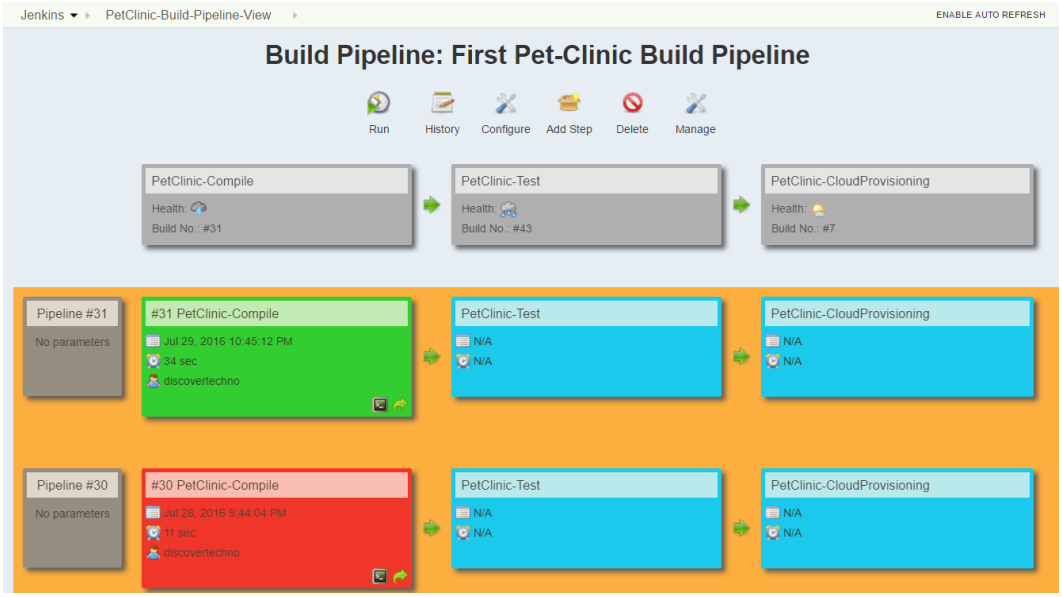

Jenkins
search
DiscoverTechno
log out
Jenkins
PetClinic-Build-Pipeline-View
PetClinic-Test
ENABLE AUTO REFRESH
Back to Dashboard
Status
Changes
Workspace
Build Now
Delete Project
Configure
GitHub Hook Log
Move
GitHub
Build History
trend
find
#55
Jul 30, 2016 12:44 PM
Project PetClinic-Test
add description
Disable Project
Workspace
Last Successful Artifacts
spring-petclinic-4.2.5-SNAPSHOT.war
39.99 MB
view
Recent Changes
Upstream Projects
PetClinic-Compile
Downstream Projects
PetClinic-CloudProvisioning

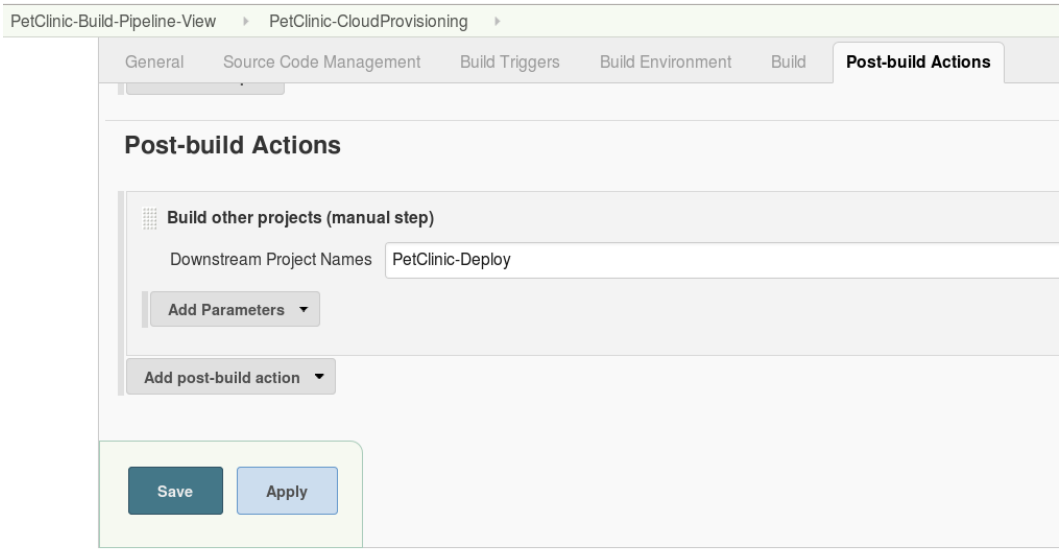
Jenkins › PetClinic-Test › #48

```
[INFO]
[INFO] --- maven-war-plugin:2.3:war (default-war) @ spring-petclinic ---
[INFO] Packaging webapp
[INFO] Assembling webapp [spring-petclinic] in [d:\jenkins\workspace\PetClinic-Test\target\spring-petclinic-4.2.5-
SNAPSHOT]
[INFO] Processing war project
[INFO] Copying webapp resources [d:\jenkins\workspace\PetClinic-Test\src\main\webapp]
[INFO] Webapp assembled in [3120 msecs]
[INFO] Building war: d:\jenkins\workspace\PetClinic-Test\target\spring-petclinic-4.2.5-SNAPSHOT.war
[INFO] ------------------------------------------------------------------------
[INFO] BUILD SUCCESS
[INFO] ------------------------------------------------------------------------
[INFO] Total time: 42.817 s
[INFO] Finished at: 2016-07-30T12:08:44+05:30
[INFO] Final Memory: 29M/263M
[INFO] ------------------------------------------------------------------------
Archiving artifacts
Warning: you have no plugins providing access control for builds, so falling back to legacy behavior of permitting
any downstream builds to be triggered
Triggering a new build of PetClinic-CloudProvisioning
Finished: SUCCESS
```

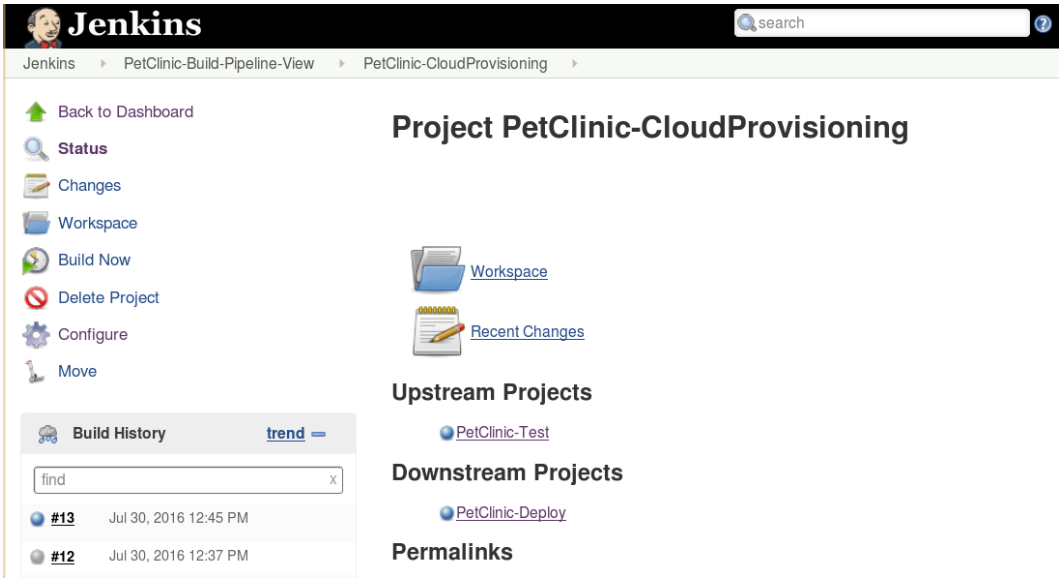
Page generated: Jul 29, 2016 11:39:55 PM PDT REST API Jenkins ver. 2.7.1

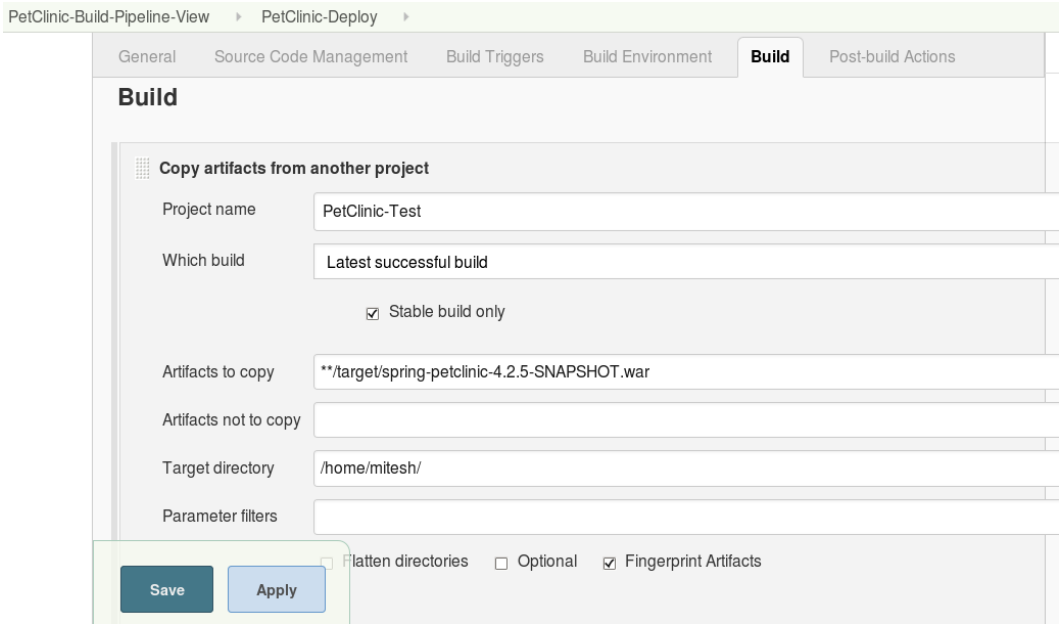


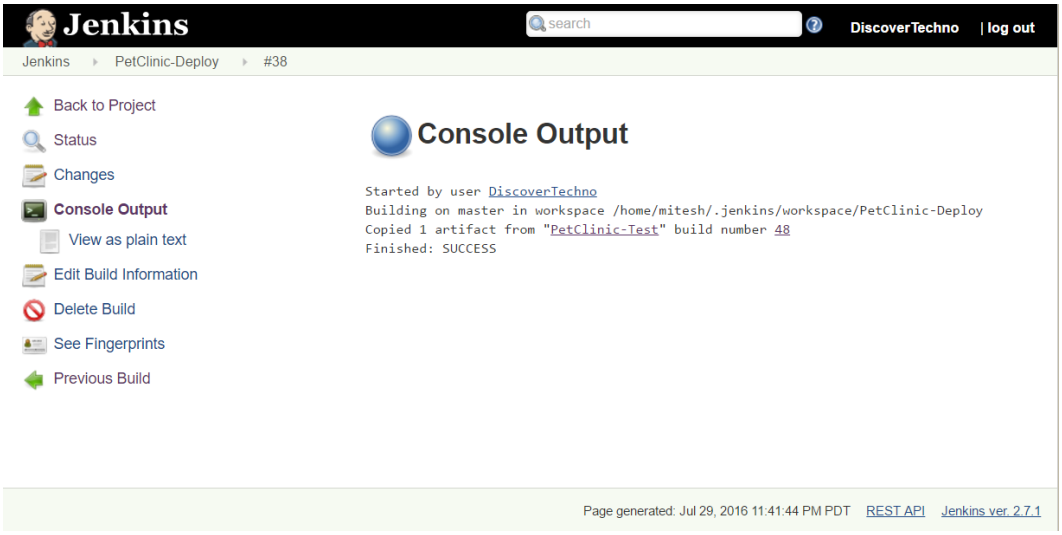


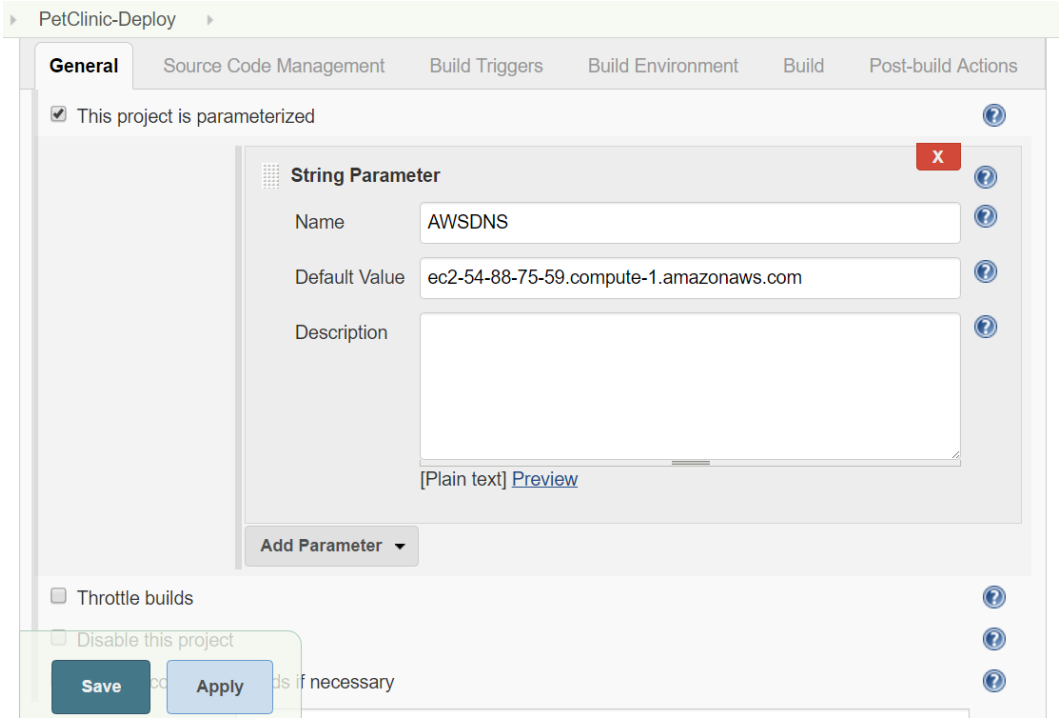


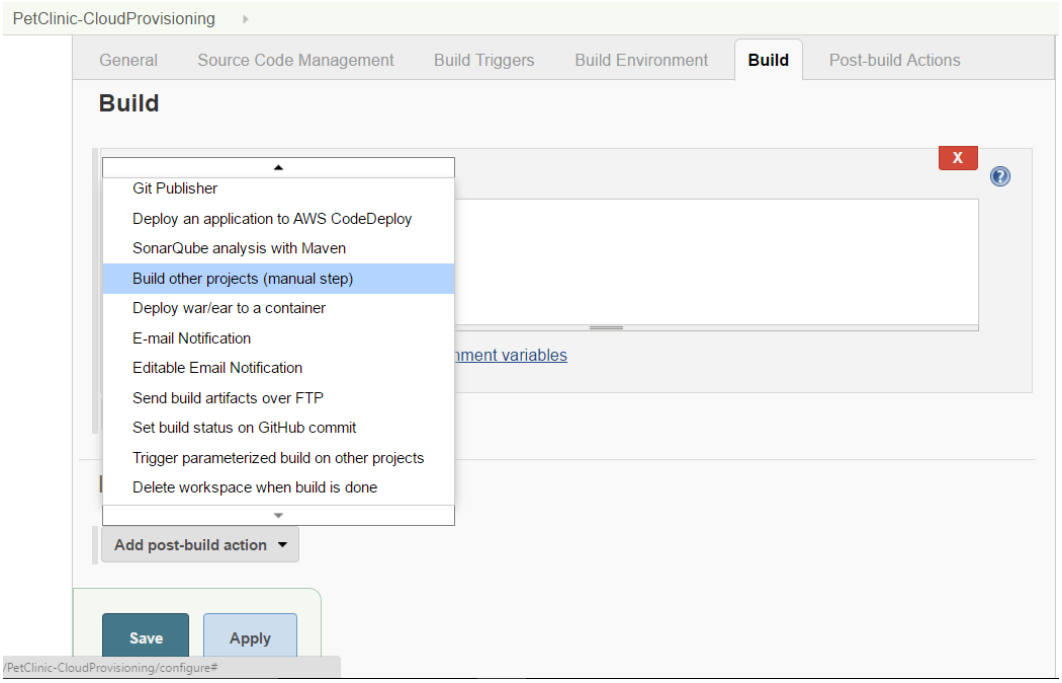
Page generated: Aug 4, 2016 10:10:21 PM PDT

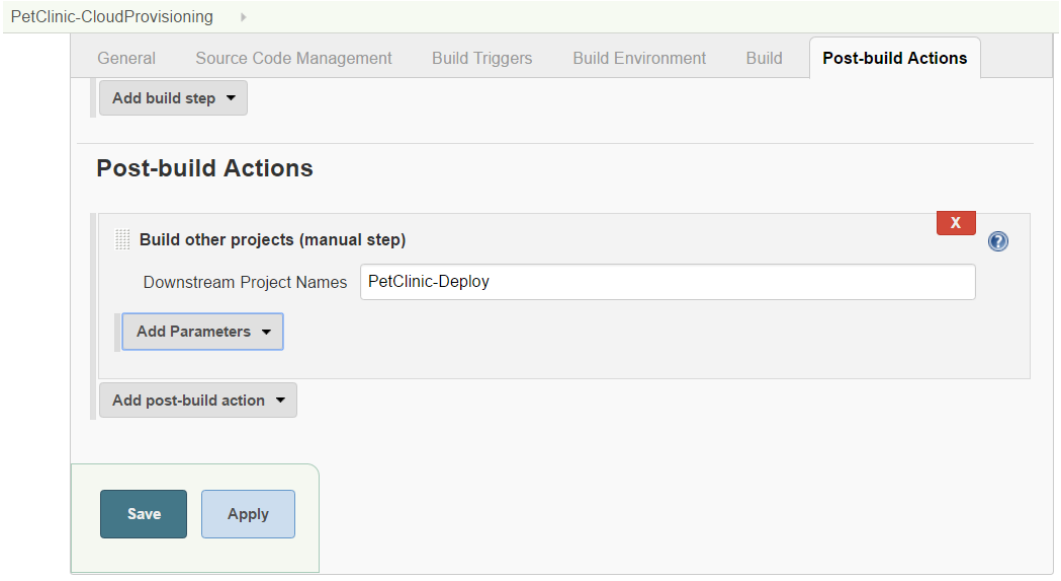

Jenkins
search
Jenkins
PetClinic-Build-Pipeline-View
PetClinic-CloudProvisioning
Back to Dashboard
Status
Changes
Workspace
Build Now
Delete Project
Configure
Move
Build History
trend
find
#13 Jul 30, 2016 12:45 PM
#12 Jul 30, 2016 12:37 PM
Project PetClinic-CloudProvisioning
Workspace
Recent Changes
Upstream Projects
PetClinic-Test
Downstream Projects
PetClinic-Deploy
Permalinks

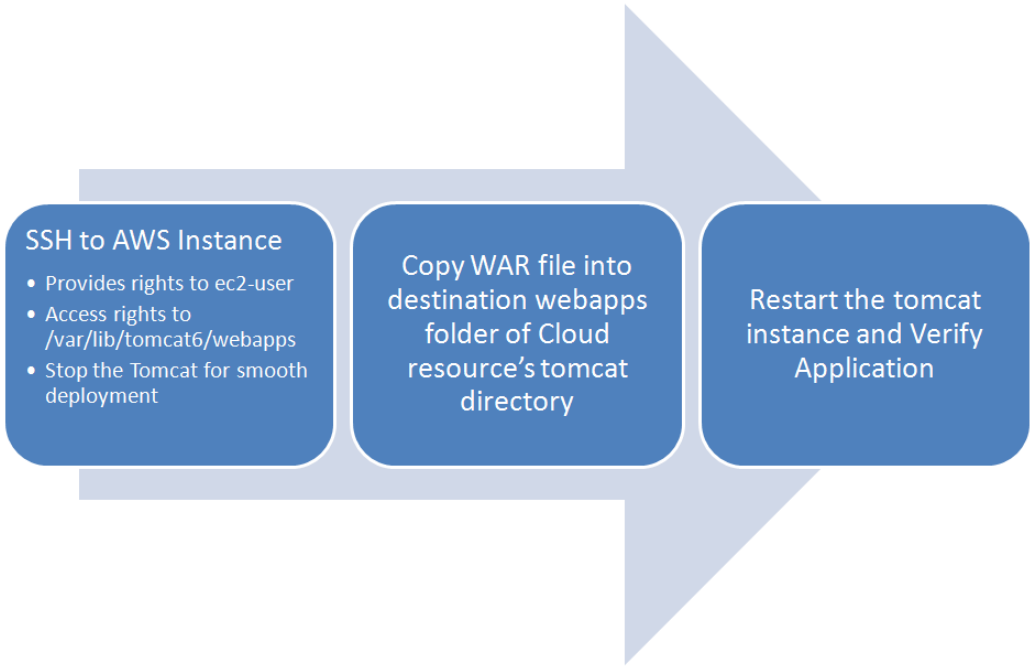

PetClinic-Build-Pipeline-View
PetClinic-Deploy
General
Source Code Management
Build Triggers
Build Environment
Build
Post-build Actions
Build
Copy artifacts from another project
Project name
PetClinic-Test
Which build
Latest successful build
Stable build only
Artifacts to copy
**/target/spring-petclinic-4.2.5-SNAPSHOT.war
Artifacts not to copy
Target directory
/home/mitesh/
Parameter filters
Flatten directories
Optional
Fingerprint Artifacts
Save
Apply

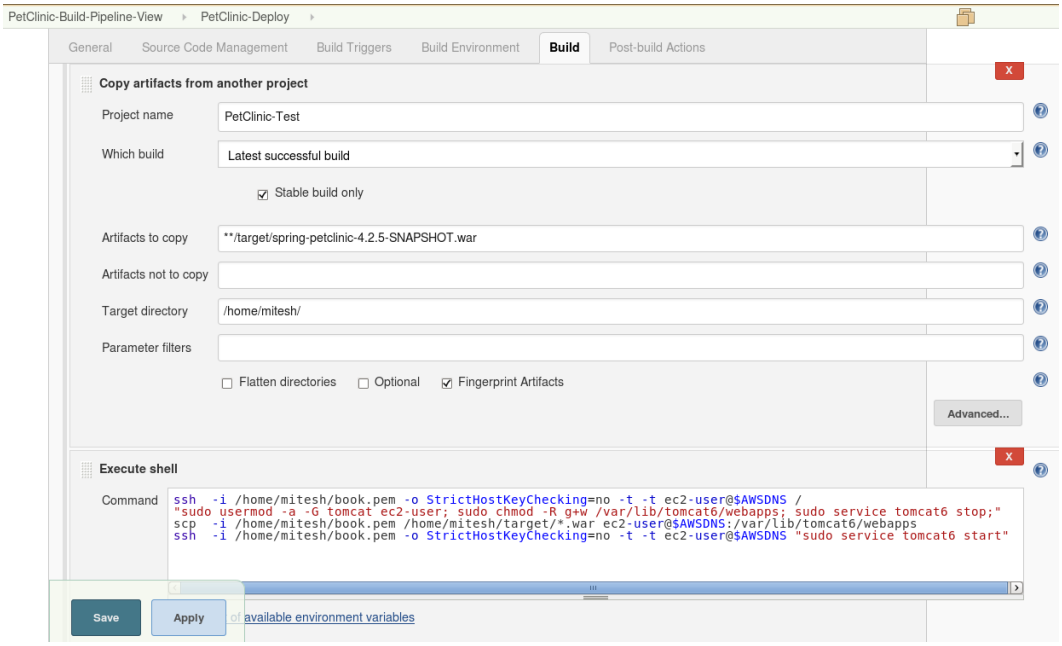

Jenkins
search
DiscoverTechno
| log out
Jenkins
PetClinic-Deploy
#38
Back to Project
Status
Changes
Console Output
View as plain text
Edit Build Information
Delete Build
See Fingerprints
Previous Build
Console Output
Started by user DiscoverTechno
Building on master in workspace /home/mitesh/.jenkins/workspace/PetClinic-Deploy
Copied 1 artifact from "PetClinic-Test" build number 48
Finished: SUCCESS
Page generated: Jul 29, 2016 11:41:44 PM PDT
REST API
Jenkins ver. 2.7.1

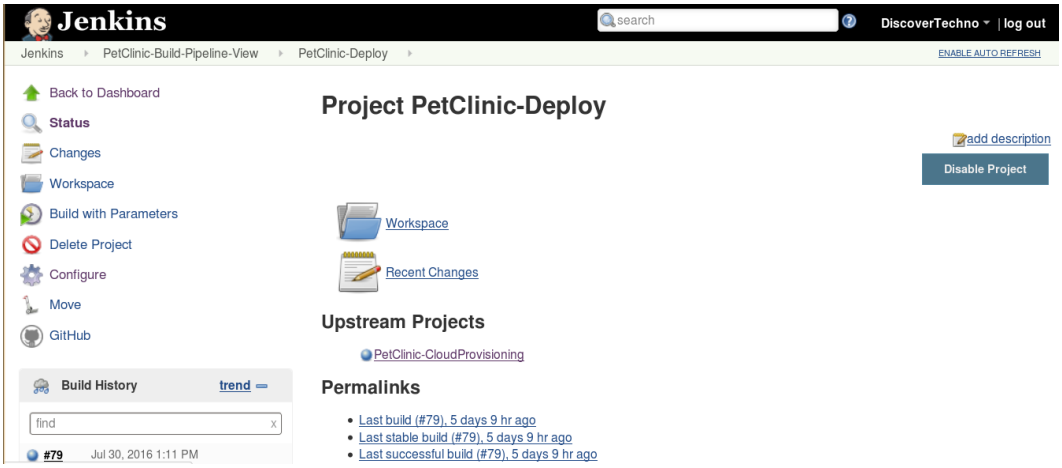

PetClinic-Deploy
General
Source Code Management
Build Triggers
Build Environment
Build
Post-build Actions
This project is parameterized
String Parameter
Name
AWSDNS
Default Value
ec2-54-88-75-59.compute-1.amazonaws.com
Description
[Plain text] Preview
Add Parameter
Throttle builds
Disable this project
Save
Apply
if necessary

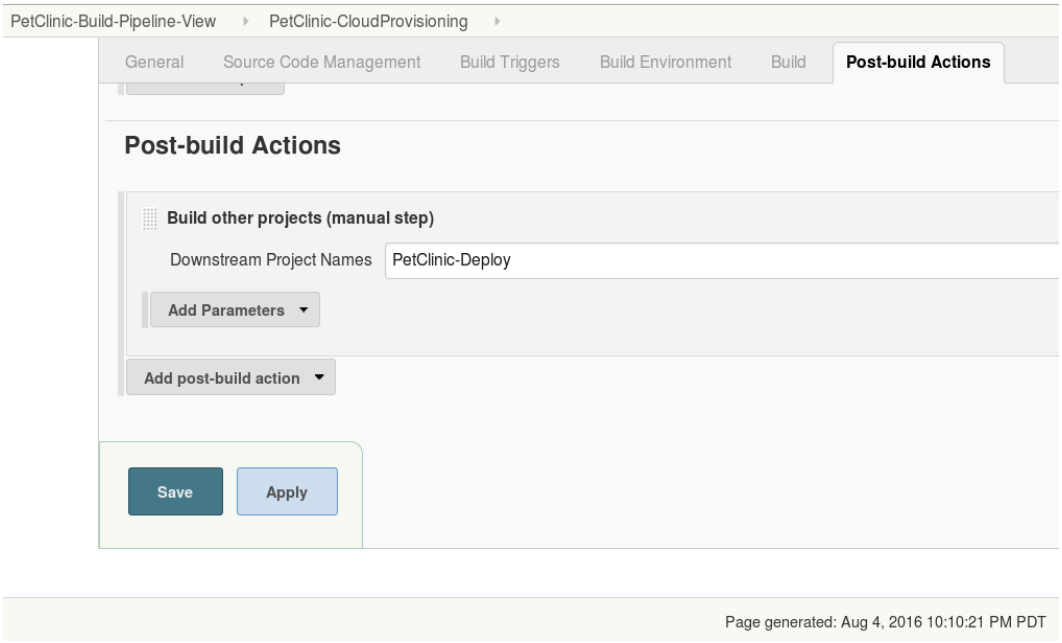

PetClinic-CloudProvisioning
General
Source Code Management
Build Triggers
Build Environment
Build
Post-build Actions
Build
Git Publisher
Deploy an application to AWS CodeDeploy
SonarQube analysis with Maven
Build other projects (manual step)
Deploy war/ear to a container
E-mail Notification
Editable Email Notification
Send build artifacts over FTP
Set build status on GitHub commit
Trigger parameterized build on other projects
Delete workspace when build is done
Add post-build action
Save
Apply
/PetClinic-CloudProvisioning/configure#


PetClinic-CloudProvisioning
General
Source Code Management
Build Triggers
Build Environment
Build
Post-build Actions
Add build step
Post-build Actions
Build other projects (manual step)
Downstream Project Names
PetClinic-Deploy
Add Parameters
Add post-build action
Save
Apply


SSH to AWS Instance
• Provides rights to ec2-user
• Access rights to /var/lib/tomcat6/webapps
• Stop the Tomcat for smooth deployment
Copy WAR file into destination webapps folder of Cloud resource's tomcat directory
Restart the tomcat instance and Verify Application


PetClinic-Build-Pipeline-View
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/spring-petclinic-4.2.5-SNAPSHOT.war
Artifacts not to copy
Target directory
/home/mitesh/
Parameter filters
Flatten directories
Optional
Fingerprint Artifacts
Advanced...
Execute shell
Command
ssh -i /home/mitesh/book.pem -o StrictHostKeyChecking=no -t -t ec2-user@$AWSDNS /
"sudo usermod -a -G tomcat ec2-user; sudo chmod -R g+w /var/lib/tomcat6/webapps; sudo service tomcat6 stop;"
scp -i /home/mitesh/book.pem /home/mitesh/target/*.war ec2-user@$AWSDNS:/var/lib/tomcat6/webapps
ssh -i /home/mitesh/book.pem -o StrictHostKeyChecking=no -t -t ec2-user@$AWSDNS "sudo service tomcat6 start"
Save
Apply
available environment variables



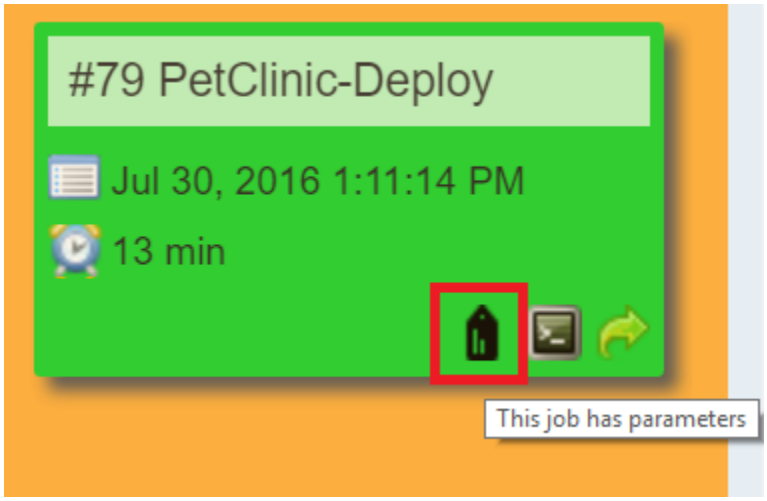


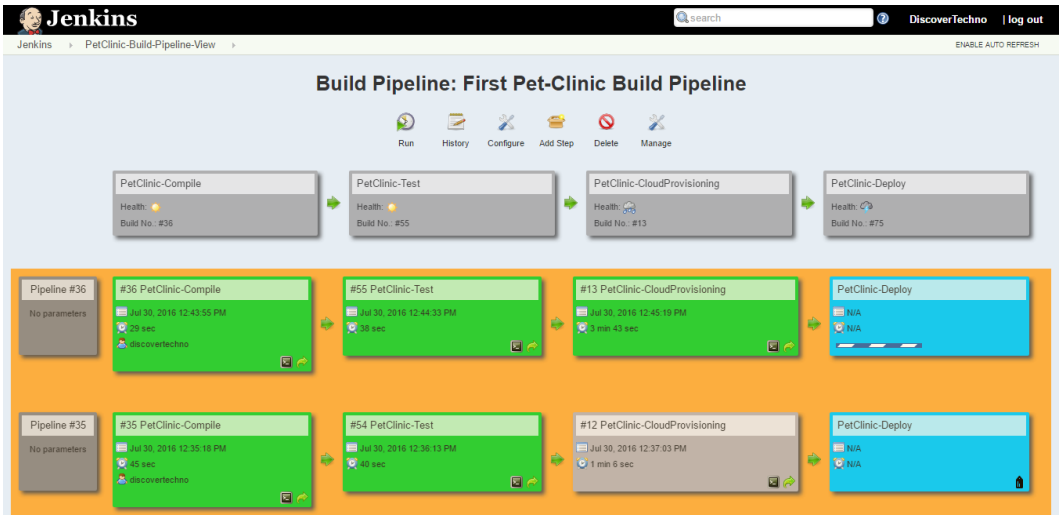
Page generated: Aug 4, 2016 10:10:21 PM PDT

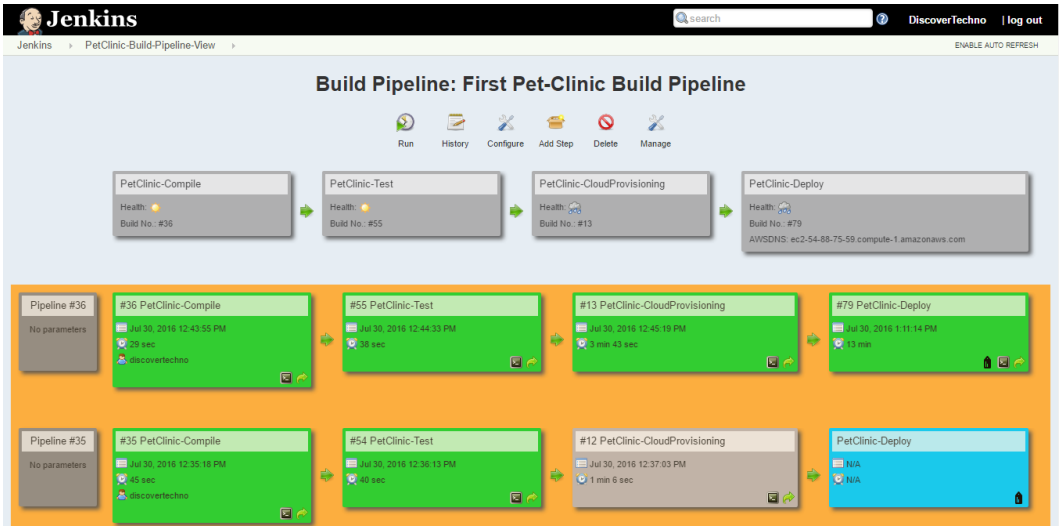
Console Output

Progress:

```
Started by user DiscoverTechno
Building on master in workspace /home/mitesh/.jenkins/workspace/PetClinic-Deploy
Copied 1 artifact from "PetClinic-Test" build number 48
[PetClinic-Deploy] $ /bin/sh -xe /tmp/hudson573163956920132324.sh
+ ssh -o StrictHostKeyChecking=no -t -t ec2-user@52.90.116.36 -i /home/mitesh/book.pem ifconfig
Warning: Permanently added '52.90.116.36' (RSA) to the list of known hosts.
@@@
```


#79 PetClinic-Deploy
Jul 30, 2016 1:11:14 PM
13 min
This job has parameters


Jenkins
search
DiscoverTechno
| log out
Jenkins
PetClinic-Build-Pipeline-View
ENABLE AUTO REFRESH
Build Pipeline: First Pet-Clinic Build Pipeline
Run
History
Configure
Add Step
Delete
Manage
PetClinic-Compile
Health:
Build No.: #36
PetClinic-Test
Health:
Build No.: #55
PetClinic-CloudProvisioning
Health:
Build No.: #13
PetClinic-Deploy
Health:
Build No.: #75
Pipeline #36
No parameters
#36 PetClinic-Compile
Jul 30, 2016 12:43:55 PM
29 sec
discovertechno
#55 PetClinic-Test
Jul 30, 2016 12:44:33 PM
38 sec
#13 PetClinic-CloudProvisioning
Jul 30, 2016 12:45:19 PM
3 min 43 sec
PetClinic-Deploy
N/A
N/A
Pipeline #35
No parameters
#35 PetClinic-Compile
Jul 30, 2016 12:35:18 PM
45 sec
discovertechno
#54 PetClinic-Test
Jul 30, 2016 12:36:13 PM
40 sec
#12 PetClinic-CloudProvisioning
Jul 30, 2016 12:37:03 PM
1 min 6 sec
PetClinic-Deploy
N/A
N/A



Create Environment in Amazon ELastic Beanstalk manually or with script

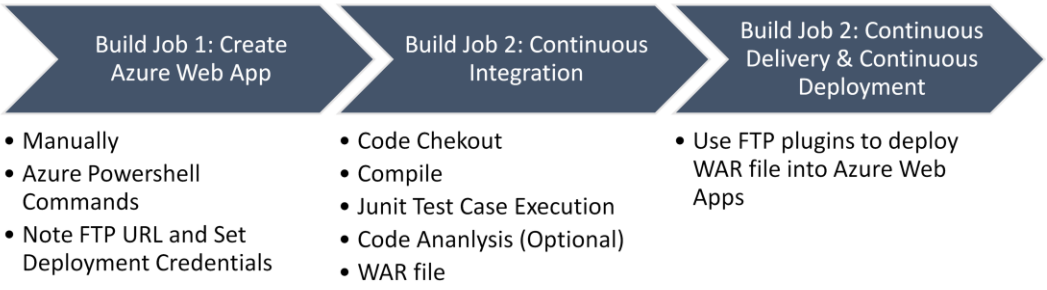
- AWS SDK or other options can be used

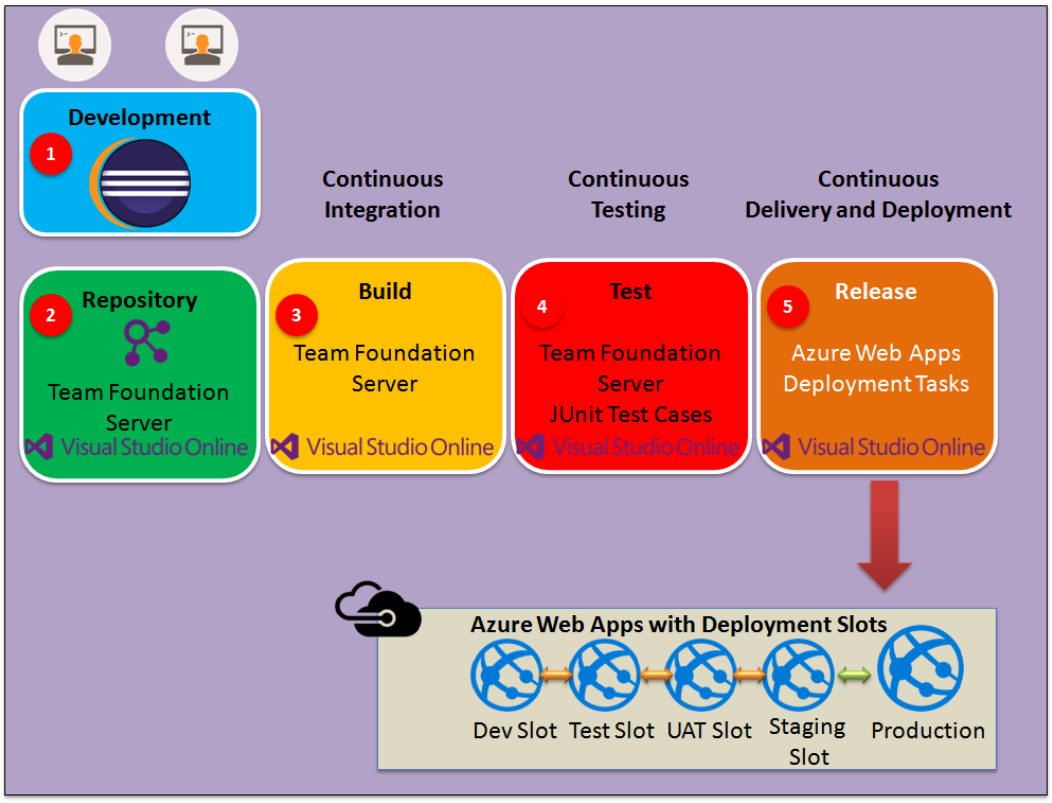
Build Job 1: Continuous Integration

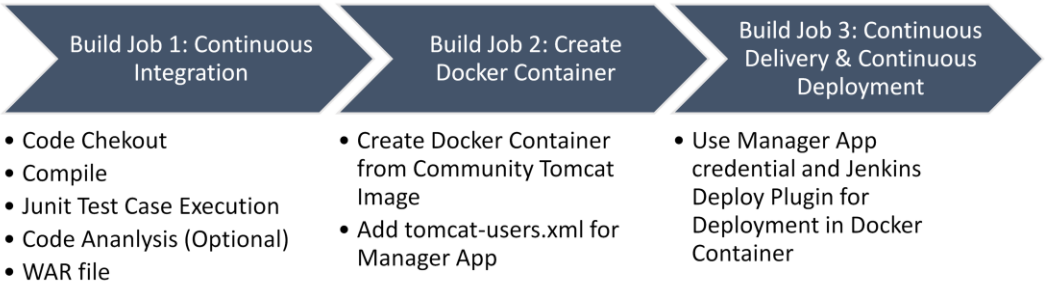
- Code Chekout
- Compile
- Junit Test Case Execution
- Code Ananlysis (Optional)

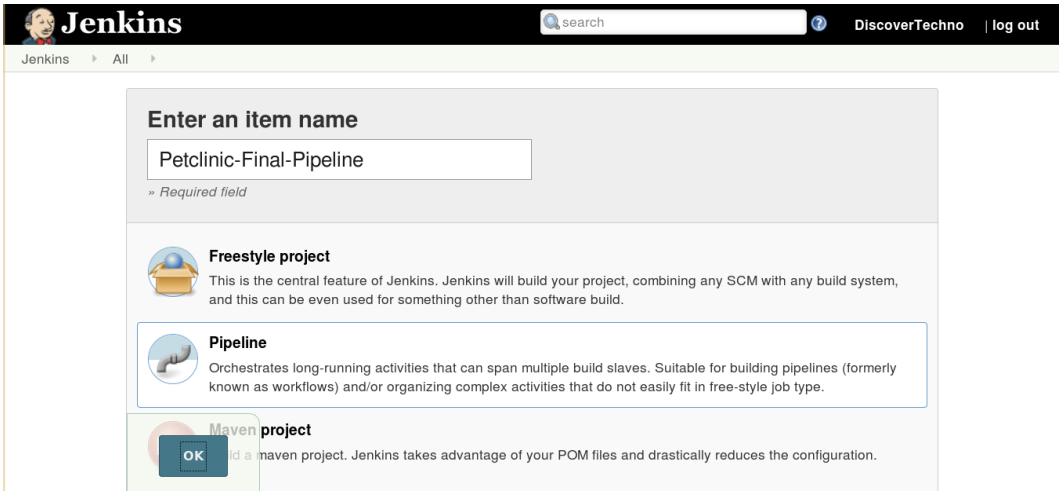
Build Job 2: Continuous Delivery & Continuous Deployment

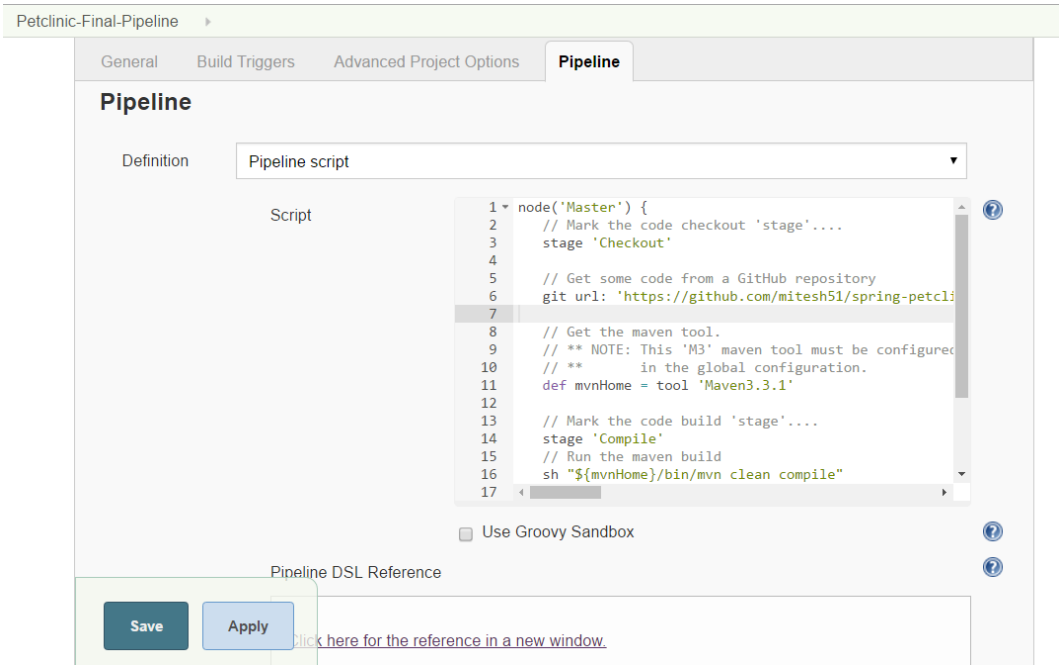
- Configure AWS Elastic Beanstalk Plugin details to Deploy WAR file

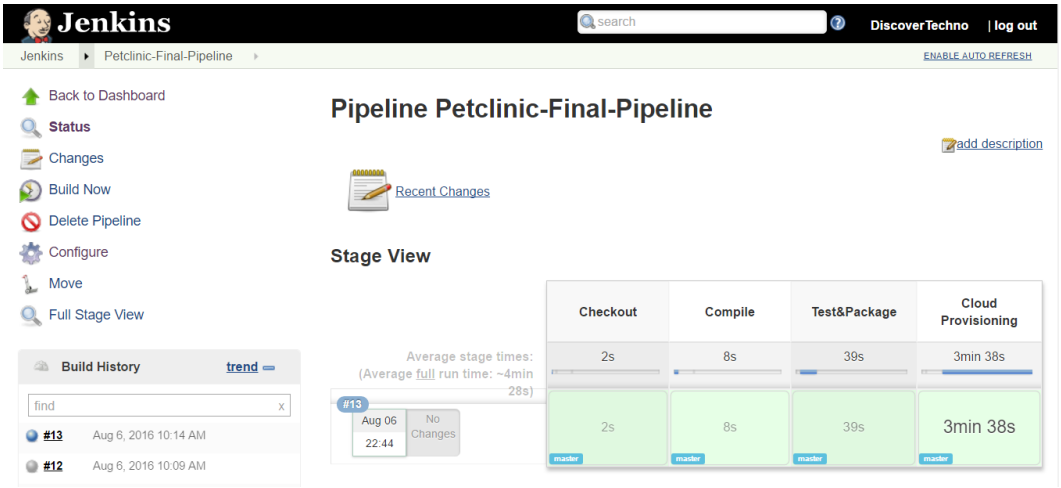

Build Job 1: Create Azure Web App
Build Job 2: Continuous Integration
Build Job 2: Continuous Delivery & Continuous Deployment
• Manually
• Azure Powershell Commands
• Note FTP URL and Set Deployment Credentials
• Code Chekout
• Compile
• Junit Test Case Execution
• Code Ananlysis (Optional)
• WAR file
• Use FTP plugins to deploy WAR file into Azure Web Apps

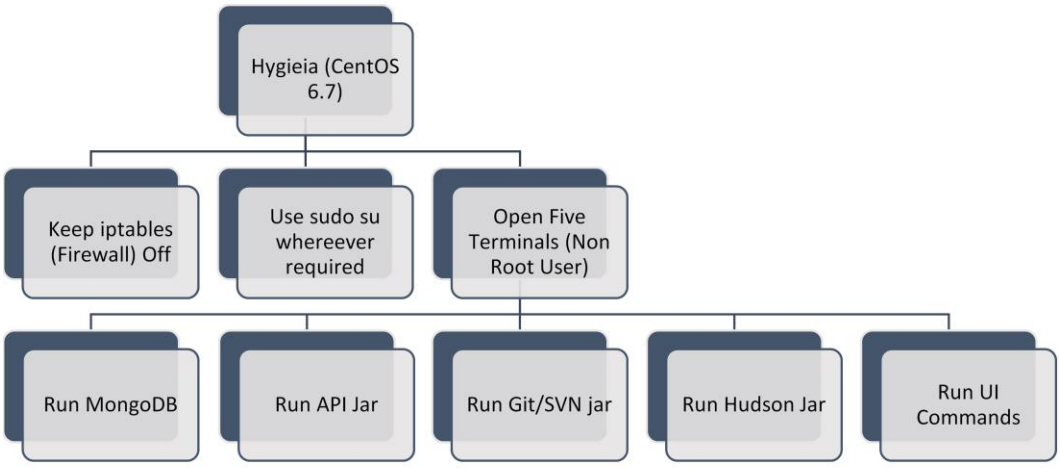

Development
1
Continuous Integration
Continuous Testing
Continuous Delivery and Deployment
2
Repository
Team Foundation Server
Visual Studio Online
3
Build
Team Foundation Server
Visual Studio Online
4
Test
Team Foundation Server
JUnit Test Cases
Visual Studio Online
5
Release
Azure Web Apps Deployment Tasks
Visual Studio Online
Azure Web Apps with Deployment Slots
Dev Slot
Test Slot
UAT Slot
Staging Slot
Production


Build Job 1: Continuous Integration
Build Job 2: Create Docker Container
Build Job 3: Continuous Delivery & Continuous Deployment
• Code Chekout
• Compile
• Junit Test Case Execution
• Code Ananlysis (Optional)
• WAR file
• Create Docker Container from Community Tomcat Image
• Add tomcat-users.xml for Manager App
• Use Manager App credential and Jenkins Deploy Plugin for Deployment in Docker Container


Jenkins
search
DiscoverTechno
log out
Jenkins
All
Enter an item name
Petclinic-Final-Pipeline
» Required field
Freestyle project
This is the central feature of Jenkins. Jenkins will build your project, combining any SCM with any build system, and this can be even used for something other than software build.
Pipeline
Orchestrates long-running activities that can span multiple build slaves. Suitable for building pipelines (formerly known as workflows) and/or organizing complex activities that do not easily fit in free-style job type.
Maven project
OK


Petclinic-Final-Pipeline
General
Build Triggers
Advanced Project Options
Pipeline
Pipeline
Definition
Pipeline script
Script
node('Master') {
// Mark the code checkout 'stage'....
stage 'Checkout'
// Get some code from a GitHub repository
git url: 'https://github.com/mitesh51/spring-petcli
// Get the maven tool.
// ** NOTE: This 'M3' maven tool must be configure
// ** in the global configuration.
def mvnHome = tool 'Maven3.3.1'
// Mark the code build 'stage'....
stage 'Compile'
// Run the maven build
sh "${mvnHome}/bin/mvn clean compile"
Use Groovy Sandbox
Pipeline DSL Reference
Save
Apply
Click here for the reference in a new window.


Jenkins
search
DiscoverTechno
log out
Jenkins
Petclinic-Final-Pipeline
ENABLE AUTO REFRESH
Back to Dashboard
Status
Changes
Build Now
Delete Pipeline
Configure
Move
Full Stage View
Build History
trend
find
#13 Aug 6, 2016 10:14 AM
#12 Aug 6, 2016 10:09 AM
Pipeline Petclinic-Final-Pipeline
add description
Recent Changes
Stage View
Checkout
Compile
Test&Package
Cloud Provisioning
Average stage times:
(Average full run time: ~4min 28s)
2s
8s
39s
3min 38s
#13
Aug 06
22:44
No Changes
master


Hygieia (CentOS 6.7)
Keep iptables (Firewall) Off
Use sudo su whereever required
Open Five Terminals (Non Root User)
Run MongoDB
Run API Jar
Run Git/SVN jar
Run Hudson Jar
Run UI Commands

Feature
SPRINT: TETRIS PSI ... 6 DAYS
31 TOTAL
22 WIP
9 DONE
FEATURES IN PROGRESS
Authenticate customer 7
Canadian French Language (In T&D ... 6
Canadian French Language in all "ot... 5
ATDD Refactoring | All Feature Teams 2
Code Repo 38s ago
COMMITS PER DAY
FEB 27
MAR 06
SUMMARY
TOTAL COMMITS 0 268 530
CONTRIBUTORS 0 55 78
TODAY LAST 7 DAYS LAST 14 DAYS
Build 1m ago
BUILDS PER DAY
LATEST BUILDS
8999 2h ago
8998 5h ago
8997 5h ago
8996 5h ago
8995 6h ago
AVERAGE BUILD DURATION
FEB 27
MAR 06
MAR 13
TOTAL BUILDS
0 TODAY
162 LAST 7 DAYS
323 LAST 14 DAYS
Quality 5s ago
STATIC ANALYSIS
Blocker 0
Critical 0
Major 0
Issues 43
VERSION 2.4.38495.8999
100.0% RULES COMPLIANCE
3d TECHNICAL DEBT
CODE COVERAGE
95%
46,335 lines of code
SECURITY ANALYSIS
Blocker -
Critical -
Major -
Issues -
UNIT TESTS
Success 100.0%
Failures 0
Errors 0
Tests 3,272
FUNCTIONAL TESTS
Success -
Failures -
Errors -
Tests -
Monitor 1s ago
No services configured
Deploy 12m ago
DEV6 6d ago 38 0
DEV7 6h ago 73 0
QA3 16h ago 180 0
DEV2 5h ago 691 0
QA4-A 5h ago 80 0
QA4-B Feb 23 30 0
QA1 Feb 23 36 0
QA2 8h ago 48 0
DEV3 3d ago 8 0
DEV4 Feb 7 2 0
DEV5 5h ago 16 0
DEV8 Feb 25 4 0
DEV9 1d ago 12 0
PERF1 1d ago 72 0
PERF2 Jan 16 8 0
PERF3 Jan 16 24 0
PERF4 Jan 16 8 0
PERF-A Dec 12 36 0
PERF-B Nov 3 32 0
PROD-A 5h ago 320 0