

The screenshot shows the AWS EC2 Management Console with the URL <https://us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#LaunchInstances>. The page is titled "Launch an instance". It includes sections for "Name and tags", "Application and OS Images (Amazon Machine Image)", and "Summary". In the "Summary" section, the number of instances is set to 1, the software image is "Amazon Linux 2 Kernel 5.10 AMI", the virtual server type is "t2.micro", and the storage is "1 volume(s) - 8 GiB". A "Launch Instance" button is visible.

The screenshot shows the AWS EC2 Management Console with the URL <https://us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#LaunchInstances>. The page displays a list of AMIs: Amazon Linux, macOS, Ubuntu, Windows, Red Hat, and others. The "Amazon Linux" AMI is selected. The "Summary" section shows the same configuration as the previous screenshot: 1 instance, Amazon Linux 2 Kernel 5.10 AMI, t2.micro instance type, and 8 GiB storage. A "Launch Instance" button is present.

Screenshot of the AWS CloudShell interface showing the configuration of an EC2 instance. The instance is being launched with the following specifications:

- Key pair (login):** jenkinskey
- Network settings:** VPC: vpc-0a95aad72a3489e34 (default), Subnet: No preference, Auto-assign public IP: Enable.
- Firewall (security groups):** Select existing security group (jenkinssg).
- Storage (volumes):** 1 volume(s) - 8 GiB.
- Software Image (AMI):** Amazon Linux 2 Kernel 5.10 AMI... (ami-0680c4e4538722fc6)
- Virtual server type (instance type):** t2.micro
- Free tier information:** In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month. 30 GiB of EBS.

The "Launch Instance" button is highlighted in orange at the bottom right.

Screenshot of the AWS CloudShell interface showing the configuration of an EC2 instance. The instance is being launched with the following specifications:

- Firewall (security groups):** Select existing security group (jenkinssg).
- Configure storage:** 1x 8 GiB gp2 Root volume (Not encrypted).
- Free tier information:** Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage.
- Virtual server type (instance type):** t2.micro
- Free tier information:** In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month. 30 GiB of EBS.

The "Launch Instance" button is highlighted in orange at the bottom right.

```
[ec2-user@ip-172-31-32-97 ~]$ java --version
Unrecognized option: --version
Error: Could not create the Java Virtual Machine.
Error: A fatal exception has occurred. Program will exit.
[ec2-user@ip-172-31-32-97 ~]$ java -version
openjdk version "1.8.0_362"
OpenJDK Runtime Environment (build 1.8.0_362-b08)
OpenJDK 64-Bit Server VM (build 25.362-b08, mixed mode)
[ec2-user@ip-172-31-32-97 ~]$ sudo yum update -y
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core
No packages marked for update
[ec2-user@ip-172-31-32-97 ~]$ sudo yum install java-11-openjdk-devel -y
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd

Resolving Dependencies
--> Running transaction check
--> Package java-11-openjdk-devel.x86_64 1:11.0.18.0.10-1.amzn2.0.1 will be installed
--> Finished Dependency Resolution

Dependencies Resolved

Transaction Summary

```

Package	Arch	Version	Repository	Size
java-11-openjdk-devel	x86_64	1:11.0.18.0.10-1.amzn2.0.1	amzn2extra-java-openjdk11	3.4 M

Sudo yum install java-11-openjdk-devel -y

```
[ec2-user@ip-172-31-41-154 ~]$ sudo rpm --import https://pkg.jenkins.io/redhat/jenkins.io-2023.key
[ec2-user@ip-172-31-41-154 ~]$ sudo yum install jenkins
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
No package jenkins available.
Error: Nothing to do
[ec2-user@ip-172-31-41-154 ~]$ sudo wget -O /etc/yum.repos.d/jenkins.repo
wget: missing URL
Usage: wget [OPTION]... [URL]...
Try 'wget --help' for more options.
[ec2-user@ip-172-31-41-154 ~]$ sudo sh -c "echo -e \"[jenkins]\nname=Jenkins-stable\nbaseurl=https://pkg.jenkins.io/redhat-stable/\nngpcheck=1\" > /etc/yum.repos.d/jenkins.repo"
[ec2-user@ip-172-31-41-154 ~]$ sudo yum install jenkins -y
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
jenkins
jenkins/primary.db
Resolving Dependencies
--> Running transaction check
--> Package jenkins.noarch 0:2.387.2-1.1 will be installed
--> Finished Dependency Resolution

Dependencies Resolved

Package           Arch      Version            Repository          Size
i-Obd346cf6e7fc53f (jenkins_server1)
PublicIPs: 3.20.221.63 PrivateIPs: 172.31.41.154
```

```
Last login: Tue Apr 11 05:22:35 2023 from ec2-3-16-146-4.us-east-2.compute.amazonaws.com
[ec2-user@ip-172-31-41-154 ~]$ sudo systemctl enable jenkins
[ec2-user@ip-172-31-41-154 ~]$ sudo systemctl start jenkins
[jenkins.service - Jenkins Continuous Integration Server
   Loaded: loaded (/usr/lib/systemd/system/jenkins.service; enabled; vendor preset: disabled)
     Active: active (running) since Tue 2023-04-11 05:29:53 UTC; 1h 50min ago
       Main PID: 8146 (java)
      CGroup: /system.slice/jenkins.service
             └─8146 /usr/bin/java -Djava.awt.headless=true -jar /usr/share/java/jenkins.war --webroot=%C/jenkins/war --httpPort=8080

Apr 11 05:29:17 ip-172-31-41-154.us-east-2.compute.internal jenkins[8146]: 129bc7d357654dd9875185e4d2ff3d9e
Apr 11 05:29:17 ip-172-31-41-154.us-east-2.compute.internal jenkins[8146]: This may also be found at: /var/lib/jenkins/secrets/initialAdminPassword
Apr 11 05:29:17 ip-172-31-41-154.us-east-2.compute.internal jenkins[8146]: ****
Apr 11 05:29:17 ip-172-31-41-154.us-east-2.compute.internal jenkins[8146]: ****
Apr 11 05:29:17 ip-172-31-41-154.us-east-2.compute.internal jenkins[8146]: ****
Apr 11 05:29:53 ip-172-31-41-154.us-east-2.compute.internal jenkins[8146]: 2023-04-11 05:29:53.540+0000 [id:30]      INFO  jenkins.InitReactorRunner$!#onAttained: Comple...alization
Apr 11 05:29:53 ip-172-31-41-154.us-east-2.compute.internal jenkins[8146]: 2023-04-11 05:29:53.567+0000 [id:23]      INFO  hudson.lifecycle.Lifecycle$!#onReady: Jenkins is...d running
Apr 11 05:29:53 ip-172-31-41-154.us-east-2.compute.internal jenkins[8146]: Started Jenkins Continuous Integration Server.
Apr 11 05:29:53 ip-172-31-41-154.us-east-2.compute.internal jenkins[8146]: 2023-04-11 05:29:53.701+0000 [id:45]      INFO  h.m.DownloadService$Downloadable#load: Obtain...Installer
Apr 11 05:29:53 ip-172-31-41-154.us-east-2.compute.internal jenkins[8146]: 2023-04-11 05:29:53.702+0000 [id:45]      INFO  hudson.util.Retrier$!#start: Performed the actio...ttempt #1
Hint: Some lines were ellipsized, use -l to show in full.
[ec2-user@ip-172-31-41-154 ~]$ sudo 
```

i-Obd346cf6e7fc53f (jenkins_server1)

PublicIPs: 3.20.221.63 PrivateIPs: 172.31.41.154

```
https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-31-41-154 ~]$ sudo systemctl enable jenkins
[ec2-user@ip-172-31-41-154 ~]$ sudo systemctl start jenkins
[jenkins.service - Jenkins Continuous Integration Server
   Loaded: loaded (/usr/lib/systemd/system/jenkins.service; enabled; vendor preset: disabled)
     Active: active (running) since Tue 2023-04-11 05:29:53 UTC; 1h 50min ago
       Main PID: 8146 (java)
      CGroup: /system.slice/jenkins.service
             └─8146 /usr/bin/java -Djava.awt.headless=true -jar /usr/share/java/jenkins.war --webroot=%C/jenkins/war --httpPort=8080

Apr 11 05:29:17 ip-172-31-41-154.us-east-2.compute.internal jenkins[8146]: 129bc7d357654dd9875185e4d2ff3d9e
Apr 11 05:29:17 ip-172-31-41-154.us-east-2.compute.internal jenkins[8146]: This may also be found at: /var/lib/jenkins/secrets/initialAdminPassword
Apr 11 05:29:17 ip-172-31-41-154.us-east-2.compute.internal jenkins[8146]: ****
Apr 11 05:29:17 ip-172-31-41-154.us-east-2.compute.internal jenkins[8146]: ****
Apr 11 05:29:17 ip-172-31-41-154.us-east-2.compute.internal jenkins[8146]: ****
Apr 11 05:29:53 ip-172-31-41-154.us-east-2.compute.internal jenkins[8146]: 2023-04-11 05:29:53.540+0000 [id:30]      INFO  jenkins.InitReactorRunner$!#onAttained: Comple...alization
Apr 11 05:29:53 ip-172-31-41-154.us-east-2.compute.internal jenkins[8146]: 2023-04-11 05:29:53.567+0000 [id:23]      INFO  hudson.lifecycle.Lifecycle$!#onReady: Jenkins is...d running
Apr 11 05:29:53 ip-172-31-41-154.us-east-2.compute.internal jenkins[8146]: Started Jenkins Continuous Integration Server.
Apr 11 05:29:53 ip-172-31-41-154.us-east-2.compute.internal jenkins[8146]: 2023-04-11 05:29:53.701+0000 [id:45]      INFO  h.m.DownloadService$Downloadable#load: Obtain...Installer
Apr 11 05:29:53 ip-172-31-41-154.us-east-2.compute.internal jenkins[8146]: 2023-04-11 05:29:53.702+0000 [id:45]      INFO  hudson.util.Retrier$!#start: Performed the actio...ttempt #1
Hint: Some lines were ellipsized, use -l to show in full.
[ec2-user@ip-172-31-41-154 ~]$ sudo cat /var/lib/jenkins/secrets/initialAdminPassword
129bc7d357654dd9875185e4d2ff3d9e
[ec2-user@ip-172-31-41-154 ~]$ 
```

i-Obd346cf6e7fc53f (jenkins_server1)

PublicIPs: 3.20.221.63 PrivateIPs: 172.31.41.154

Not secure | 3.20.221.63:8080/login?from=%2F

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:

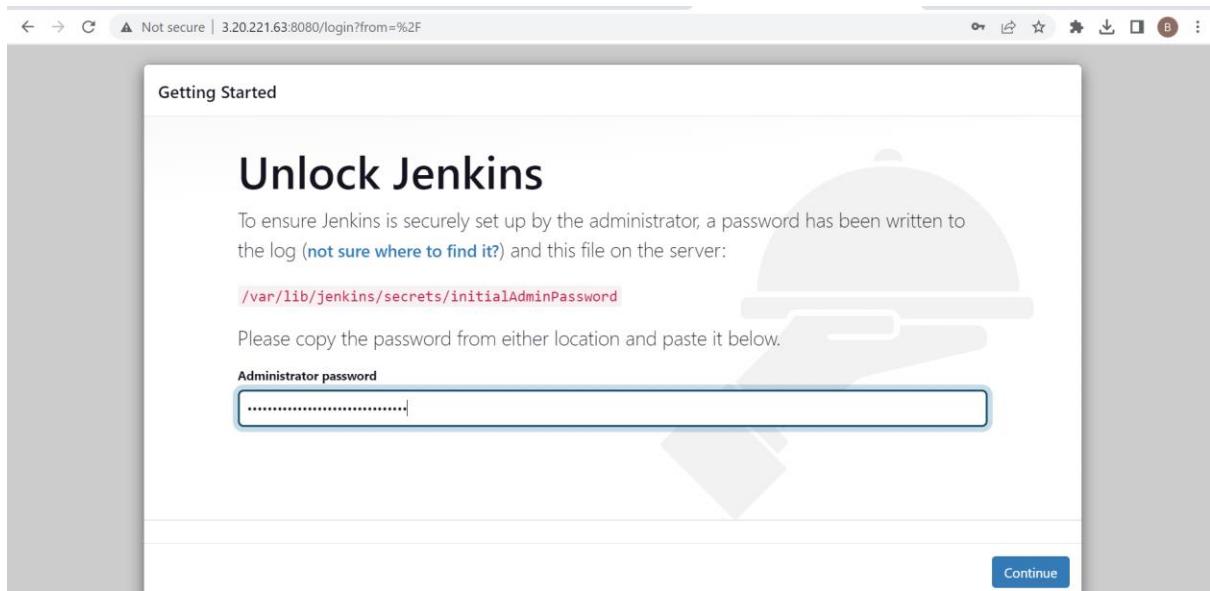
`/var/lib/jenkins/secrets/initialAdminPassword`

Please copy the password from either location and paste it below.

Administrator password

.....

Continue



Not secure | 3.20.221.63:8080/view/all/newJob

Jenkins

Search (CTRL+K) ? 🔔 1 🛡 1 admin log out

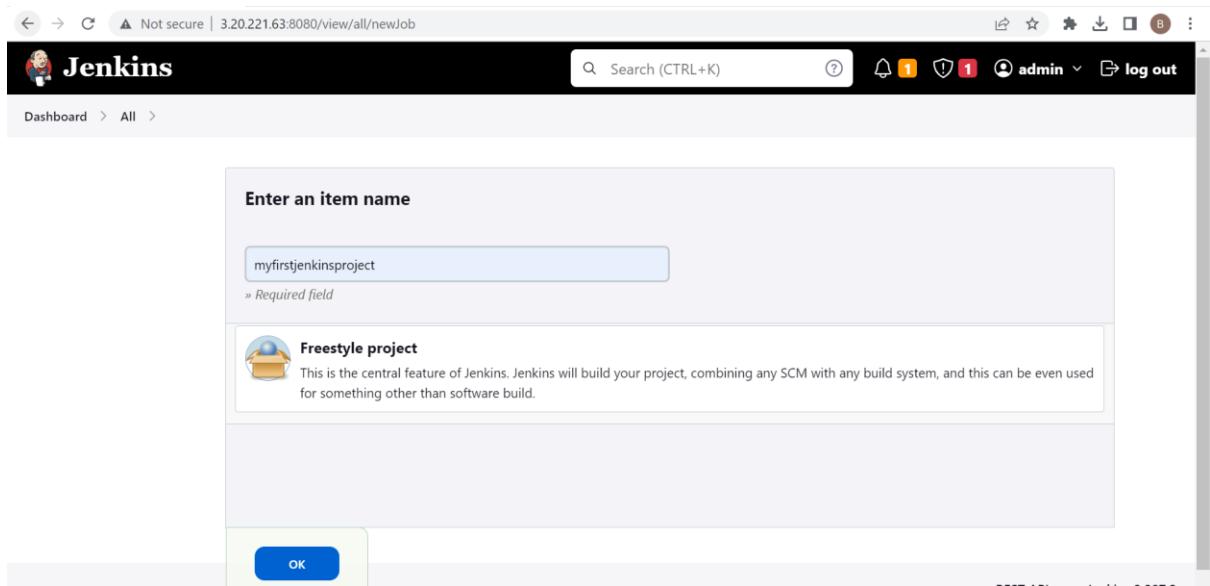
Dashboard > All >

Enter an item name

myfirstjenkinsproject » 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.

OK



Not secure | 3.20.221.63:8080/job/myfirstjenkinsproject/configure

Jenkins

Search (CTRL+K) ? 🔔 1 🛡 1 admin log out

Dashboard > myfirstjenkinsproject > Configuration

Configure

General

Enabled

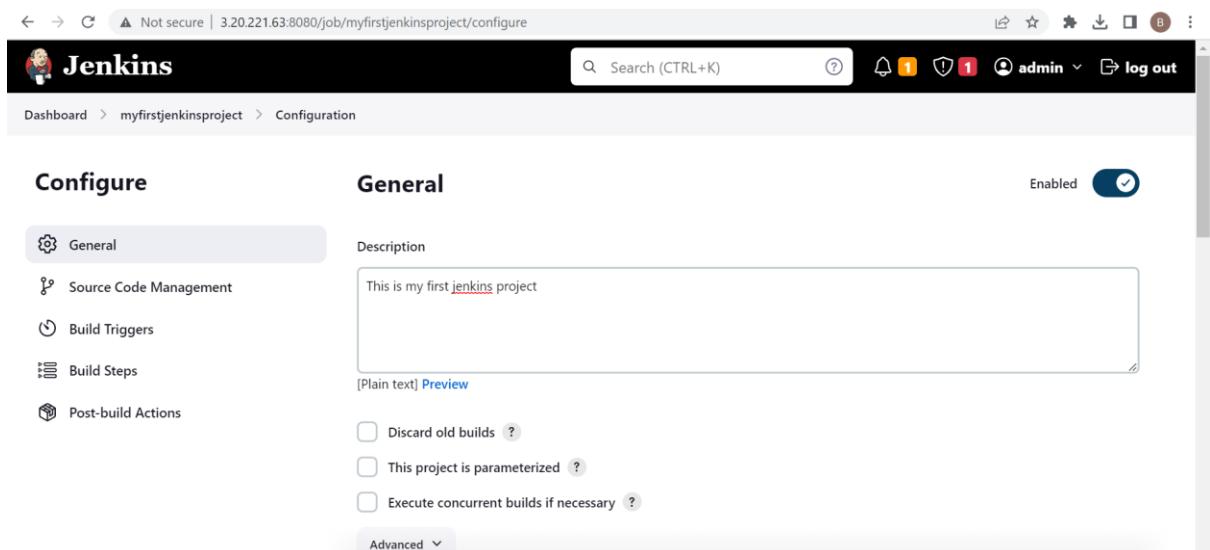
General

Description
This is my first [jenkins](#) project

(Plain text) [Preview](#)

Discard old builds ?
 This project is parameterized ?
 Execute concurrent builds if necessary ?

Advanced ▾



Not secure | 3.20.221.63:8080/job/myfirstjenkinsproject/configure

Dashboard > myfirstjenkinsproject > Configuration

Configure

Source Code Management

General: None

Source Code Management: None

Build Triggers:

- Trigger builds remotely (e.g., from scripts) ?
- Build after other projects are built ?
- Build periodically ?
- Poll SCM ?

Build Steps

Execute shell

```
echo "This is the first jenkins project" >>jenkins.txt  
uptime  
ifconfig
```

Add build step ▾

Not secure | 3.20.221.63:8080/job/myfirstjenkinsproject/configure

Dashboard > myfirstjenkinsproject > Configuration

Configure

Build Steps

General

Source Code Management

Build Triggers

Build Steps:

Post-build Actions

Execute shell

```
echo "This is the first jenkins project" >>jenkins.txt  
uptime  
ifconfig
```

Advanced ▾

Add build step ▾

Not secure | 3.20.221.63:8080/job/myfirstjenkinsproject/

Jenkins

Search (CTRL+K)

admin log out

Dashboard > myfirstjenkinsproject >

Status

</> Changes: This is my first jenkins project

Workspace

Build Now

Configure

Delete Project

Rename

Project myfirstjenkinsproject

Permalinks

Build History

trend ▾

Filter builds... /

#1 Apr 11, 2023, 7:29 AM

Atom feed for all Atom feed for failures

Not secure | 3.20.221.63:8080/job/myfirstjenkinsproject/1/console

Dashboard > myfirstjenkinsproject > #1 > Console Output

Console Output

View as plain text

Edit Build Information

Delete build '#1'

```

Started by user admin
Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/myfirstjenkinsproject
[myfirstjenkinsproject] $ /bin/sh -xe /tmp/jenkins8573431698916215523.sh
+ echo 'This is the first jenkins project'
+ uptime
07:29:28 up 2:07, 1 user, load average: 0.00, 0.00, 0.00
+ ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 9001
        inet 172.31.41.154 netmask 255.255.240.0 broadcast 172.31.47.255
          inet6 fe80::848:a6ff:fe1f:a6a7 prefixlen 64 scopeid 0x20<link>
            ether 0a:48:a5:1f:a6:a7 txqueuelen 1000 (Ethernet)
              RX packets 282632 bytes 493667075 (384.9 MiB)
              RX errors 0 dropped 0 overruns 0 frame 0
              TX packets 29162 bytes 3116361 (2.9 MiB)
              TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
        inet 127.0.0.1 netmask 255.0.0.0
          inet6 ::1 prefixlen 128 scopeid 0x10<host>
            loop txqueuelen 1000 (Local Loopback)
              RX packets 48 bytes 3888 (3.7 KiB)
              RX errors 0 dropped 0 overruns 0 frame 0
              TX packets 48 bytes 3888 (3.7 KiB)
              TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

```

← → C us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-2&connType=standard&instanceId=i-0bd346cf6e7fc53f... [Alt+S]

aws Services Search [Alt+S]

```

Apr 11 05:29:53 ip-172-31-41-154.us-east-2.compute.internal jenkins[8146]: 2023-04-11 05:29:53.702+0000 [id:45]      INFO      hudson.util.Retriger#start: Performed the actio...
Hint: Some lines were ellipsized, use '-l' to show in full.
(ec2-user@ip-172-31-41-154 ~)$ sudo cat /var/lib/jenkins/secrets/initialAdminPassword
129bc7d357654d498751b5e42ff3f39e
(ec2-user@ip-172-31-41-154 ~)$ sudo cd /var/lib/jenkins/workspace
(ec2-user@ip-172-31-41-154 ~)$ ls -la
total 16
drwxr-xr-x 4 ec2-user ec2-user 109 Apr 11 05:29 .
drwxr-xr-x 3 root   root   22 Apr 11 05:22 ..
-rw-r--r-- 1 ec2-user ec2-user 781 Apr 11 05:29 .bash_history
-rw-r--r-- 1 ec2-user ec2-user 18 Jul 15 2020 .bash_logout
-rw-r--r-- 1 ec2-user ec2-user 193 Jul 15 2020 .bash_profile
-rw-r--r-- 1 ec2-user ec2-user 231 Jul 15 2020 .bashrc
drwxr-xr-x 3 ec2-user ec2-user 25 Apr 11 05:25 .cache
drwxr-xr-x 2 ec2-user ec2-user 29 Apr 11 05:22 .ssh
(ec2-user@ip-172-31-41-154 ~)$ cd /var/lib/jenkins/workspace
(ec2-user@ip-172-31-41-154 workspace)$ ls -la
total 4
drwxr-xr-x 3 jenkins jenkins 35 Apr 11 07:29 .
drwxr-xr-x 13 jenkins jenkins 4096 Apr 11 07:30 ..
drwxr-xr-x 2 jenkins jenkins 25 Apr 11 07:29 myfirstjenkinsproject
(ec2-user@ip-172-31-41-154 workspace)$ cd myfirstjenkinsproject
(ec2-user@ip-172-31-41-154 myfirstjenkinsproject)$ ls -la
total 4
drwxr-xr-x 2 jenkins jenkins 25 Apr 11 07:29 .
drwxr-xr-x 3 jenkins jenkins 35 Apr 11 07:29 ..
-rw-r--r-- 1 jenkins jenkins 34 Apr 11 07:29 jenkins.txt
(ec2-user@ip-172-31-41-154 myfirstjenkinsproject)$ cat jenkins.txt
this is the first jenkins project
(ec2-user@ip-172-31-41-154 myfirstjenkinsproject)$ []

```

i-0bd346cf6e7fc53f (jenkins_server1)

PublicIP: 3.20.221.63 PrivateIP: 172.31.41.154

← → C us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-2&connType=standard&instanceId=i-0bd346cf6e7fc53f... [Alt+S]

aws Services Search [Alt+S]

```

[ec2-user@ip-172-31-41-154 myfirstjenkinsproject]$ cd -
[ec2-user@ip-172-31-41-154 ~]$ sudo yum install git
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core
Resolving Dependencies
--> Running transaction check
--> Package git.x86_64 0:2.39.2-1.amzn2.0.1 will be installed
--> Processing Dependency: perl-Git = 2.39.2-1.amzn2.0.1 for package: git-2.39.2-1.amzn2.0.1.x86_64
--> Processing Dependency: git-core-doc = 2.39.2-1.amzn2.0.1 for package: git-2.39.2-1.amzn2.0.1.x86_64
--> Processing Dependency: git-core = 2.39.2-1.amzn2.0.1 for package: git-2.39.2-1.amzn2.0.1.x86_64
--> Processing Dependency: perl(Term::ReadKey) for package: git-2.39.2-1.amzn2.0.1.x86_64
--> Processing Dependency: perl(Git::WWW) for package: git-2.39.2-1.amzn2.0.1.x86_64
--> Processing Dependency: perl(Git) for package: git-2.39.2-1.amzn2.0.1.x86_64
--> Running transaction check
--> Package git-core.x86_64 0:2.39.2-1.amzn2.0.1 will be installed
--> Package git-core-doc.x86_64 0:2.39.2-1.amzn2.0.1 will be installed
--> Package perl-Git.x86_64 0:2.39.2-1.amzn2.0.1 will be installed
--> Processing Dependency: perl(Error) for package: perl-Git-2.39.2-1.amzn2.0.1.noarch
--> Package perl-TermReadkey.x86_64 0:2.30-20.amzn2.0.2 will be installed
--> Running transaction check
--> Package perl-Error.noarch 1:0.17020-2.amzn2 will be installed
--> Finished Dependency Resolution

Dependencies Resolved


```

Package	Arch	Version	Repository	Size
git	x86_64	2.39.2-1.amzn2.0.1	amzn2-core	65 k

i-0bd346cf6e7fc53f (jenkins_server1)

PublicIP: 3.20.221.63 PrivateIP: 172.31.41.154

```

perl-TermReadKey.x86_64 0:2.30-20.amzn2.0.2
Completed!
[ec2-user@ip-172-31-41-154 ~]$ git --version
git version 2.39.2
[ec2-user@ip-172-31-41-154 ~]$ []

```

i-0bd346cfge7fcdf53f (jenkins_server1)
PublicIPs: 3.20.221.63 PrivateIPs: 172.31.41.154

Not secure | 3.20.221.63:8080/manage/

Jenkins

Dashboard > Manage Jenkins

Manage Jenkins

Building on the built-in node can be a security issue. You should set up distributed builds. See [the documentation](#).

[Set up agent](#) [Set up cloud](#) [Dismiss](#)

Jenkins URL is empty but is required for the proper operation of many Jenkins features like email notifications, PR status update, and environment variables such as `BUILD_URL`.

Please provide an accurate value in [Jenkins.configuration](#).

[Dismiss](#)

Build Queue
No builds in the queue.

Build Executor Status
1 Idle
2 Idle

System Configuration

- [Configure System](#) Configure global settings and paths.
- [Global Tool Configuration](#) Configure tools, their locations and automatic installers.
- [Manage Plugins](#) Add, remove, disable or enable plugins that can extend the functionality of Jenkins.
- [Manage Nodes and Clouds](#) Add, remove, control and monitor the various nodes that Jenkins runs jobs on.

Not secure | 3.20.221.63:8080/manage/pluginManager/available

Jenkins

Dashboard > Manage Jenkins > Plugin Manager

Plugins

Available plugins

Search: `github`

Install	Name	Released
<input checked="" type="checkbox"/>	GitHub 1.37.0 External Site/Tool Integrations · github This plugin integrates GitHub to Jenkins.	1 mo 19 days ago
<input type="checkbox"/>	GitHub API 1.303-417.ve35d9dd78549 github · Library plugins (for use by other plugins) This plugin provides GitHub API for other plugins.	1 mo 4 days ago
<input type="checkbox"/>	GitHub Branch Source 1703.vd5a_2b_29c6cd6 pipeline · github · Source Code Management Multibranch projects and organization folders from GitHub. Maintained by CloudBees, Inc.	17 days ago
<input type="checkbox"/>	Caffeine API 2.9.3-65.v6a_47d0f4d1fe Library plugins (for use by other plugins) Caffeine and elixir for use by other Jenkins plugins	11 mo ago

[Install without restart](#) [Download now and install after restart](#) Update information obtained: 2 hr 6 min ago [Check now](#)

Not secure | 3.20.221.63:8080/manage/

Jenkins

Dashboard > Manage Jenkins

Manage Jenkins

Building on the built-in node can be a security issue. You should set up distributed builds. See [the documentation](#).

Jenkins URL is empty but is required for the proper operation of many Jenkins features like email notifications, PR status update, and environment variables such as `BUILD_URL`.

Please provide an accurate value in [Jenkins configuration](#).

System Configuration

Build Executor Status

1 Idle
2 Idle

Configure System
Configure global settings and paths.

Global Tool Configuration
Configure tools, their locations and automatic installers.

Manage Plugins
Add, remove, disable or enable plugins that can extend the functionality of Jenkins.

Manage Nodes and Clouds
Add, remove, control and monitor the various nodes that Jenkins runs jobs on.

Not secure | 3.20.221.63:8080/manage/configureTools/

Jenkins

Dashboard > Manage Jenkins > Global Tool Configuration

Global Tool Configuration

Maven Configuration

Default settings provider

Use default maven settings

Default global settings provider

Use default maven global settings

JDK

JDK installations

List of JDK installations on this system

Add JDK

Not secure | 3.20.221.63:8080/manage/configureTools/

Jenkins

Dashboard > Manage Jenkins > Global Tool Configuration

Git installations

Git

Name: Git

Path to Git executable: git

Install automatically

Add Git

Maven

Maven installations

List of Maven installations on this system

Add Maven

Not secure | 3.20.221.63:8080/view/all/newJob

Jenkins

Dashboard > All >

Enter an item name

Pullcommandfromgithub
» 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.

If you want to create a new item from other existing, you can use this option:

Copy from
Type to autocomplete

OK

Not secure | 3.20.221.63:8080/job/Pullcommandfromgithub/configure

Jenkins

Dashboard > Pullcommandfromgithub > Configuration

Configure

General

Enabled

Description
This is pull command from [github](#)

[Plain text] [Preview](#)

Discard old builds [?](#)
 GitHub project
 This project is parameterized [?](#)
 Execute concurrent builds if necessary [?](#)

Advanced ▾

Not secure | 3.20.221.63:8080/job/Pullcommandfromgithub/configure

Jenkins

Dashboard > Pullcommandfromgithub > Configuration

Configure

Source Code Management

None
Git

Git [?](#)

Repositories [?](#)

Repository URL [?](#)
https://github.com/jamandeep/hello-world

Credentials [?](#)
- none -

Add [▼](#)

Advanced [▼](#)

Add Repository

Branches to build [?](#)

Not secure | 3.20.221.63:8080/job/Pullcommandfromgithub/1/console

Jenkins

Dashboard > Pullcommandfromgithub > #1 > Console Output

Console Output

```

Status
Changes
Console Output
View as plain text
Edit Build Information
Delete build '#1'
Git Build Data

Started by user admin
Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/Pullcommandfromgithub
The recommended git tool is: NONE
No credentials specified
Cloning the remote Git repository
  > git init /var/lib/jenkins/workspace/Pullcommandfromgithub # timeout=10
Fetching upstream changes from https://github.com/jhamandeep/hello-world
  > git --version # timeout=10
  > git rev-parse refs/remotes/origin/master{commit} # timeout=10
Checking out Revision 728ca7f57ce431bde0b9cf0d5cf0206cc0328d4 (refs/remotes/origin/master)
  > git config core.sparsecheckout # timeout=10
  > git config remote.origin.url https://github.com/jhamandeep/hello-world # timeout=10
  > git config --add remote.origin.fetch +refs/heads/*:refs/remotes/origin/* # timeout=10
Avoid second fetch
  > git rev-parse refs/remotes/origin/master{commit} # timeout=10
Commit message: "changes"
First time build. Skipping changelog.
Finished: SUCCESS

```

WhatsApp | Connect to instance | EC2 Manager | EC2 Instance Connect

us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-2&connType=standard&instanceId=i-0bd346cf6e7fcdf53f&... | +

aws Services Search [Alt+S]

Bhanu Kondi (kondibhanu9@outlook.com) is signed in

```

Dependency Installed:
git-core.x86_64 0:2.39.2-1.amzn2.0.1      git-core-doc.noarch 0:2.39.2-1.amzn2.0.1      perl-Error.noarch 1:0.17020-2.amzn2      perl-Git.noarch 0:2.39.2-1.amzn2.0.1

Completed!
[ec2-user@ip-172-31-41-154 ~]$ git --version
git version 2.39.2
[ec2-user@ip-172-31-41-154 ~]$ cd /var/lib/jenkins/workspace
[ec2-user@ip-172-31-41-154 workspace]$ ls -la
total 4
drwxr-xr-x  4 jenkins jenkins 64 Apr 11 07:42 .
drwxr-xr-x 13 jenkins jenkins 4096 Apr 11 07:43 ..
drwxr-xr-x  2 jenkins jenkins 25 Apr 11 07:29 myfirstjenkinsproject
drwxr-xr-x  5 jenkins jenkins 147 Apr 11 07:42 Pullcommandfromgithub
[ec2-user@ip-172-31-41-154 workspace]$ cd Pullcommandfromgithub
[ec2-user@ip-172-31-41-154 Pullcommandfromgithub]$ ls -la
total 24
drwxr-xr-x  5 jenkins jenkins 147 Apr 11 07:42 .
drwxr-xr-x  4 jenkins jenkins 64 Apr 11 07:42 ..
-rw-r--r--  1 jenkins jenkins 130 Apr 11 07:42 Dockerfile
drwxr-xr-x  8 jenkins jenkins 162 Apr 11 07:42 .git
-rw-r--r--  1 jenkins jenkins 6333 Apr 11 07:42 pom.xml
-rw-r--r--  1 jenkins jenkins 1 Apr 11 07:42 README.md
-rw-r--r--  1 jenkins jenkins 479 Apr 11 07:42 app-deploy.yml
-rw-r--r--  1 jenkins jenkins 195 Apr 11 07:42 app-service.yml
drwxr-xr-x  3 jenkins jenkins 32 Apr 11 07:42 server
drwxr-xr-x  3 jenkins jenkins 32 Apr 11 07:42 webapp
[ec2-user@ip-172-31-41-154 Pullcommandfromgithub]$ cd
[ec2-user@ip-172-31-41-154 ~]$ cd /opt
[ec2-user@ip-172-31-41-154 opt]$ 
```

i-0bd346cf6e7fcdf53f (jenkins_server1)

PublicIPs: 3.20.221.63 PrivateIPs: 172.31.41.154

CloudShell Feedback Language

Type here to search

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33°C 13:14 Ohio Bhanu

aws Services Search [Alt+S]

```

[ec2-user@ip-172-31-41-154 opt]$ wget https://dlcdn.apache.org/maven/maven-3/3.8.8/binaries/apache-maven-3.8.8-bin.tar.gz
--2023-04-11 07:59:59-- https://dlcdn.apache.org/maven/maven-3/3.8.8/binaries/apache-maven-3.8.8-bin.tar.gz
Resolving dlcdn.apache.org (dlcdn.apache.org)... 151.101.2.132, 2a04:4e42:644
Connecting to dlcdn.apache.org (dlcdn.apache.org)|151.101.2.132|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 8296049 (7.9M) [application/x-gzip]
apache-maven-3.8.8-bin.tar.gz: Permission denied

Cannot write to 'apache-maven-3.8.8-bin.tar.gz' (Success).
[ec2-user@ip-172-31-41-154 opt]$ sudo su
[root@ip-172-31-41-154 opt]# wget https://dlcdn.apache.org/maven/maven-3/3.9.1/binaries/apache-maven-3.9.1-bin.tar.gz
--2023-04-11 08:00:45-- https://dlcdn.apache.org/maven/maven-3/3.9.1/binaries/apache-maven-3.9.1-bin.tar.gz
Resolving dlcdn.apache.org (dlcdn.apache.org)... 151.101.2.132, 2a04:4e42:644
Connecting to dlcdn.apache.org (dlcdn.apache.org)|151.101.2.132|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 9039409 (8.0M) [application/x-gzip]
Saving to: 'apache-maven-3.9.1-bin.tar.gz'

100%[=====] 9,039,409 53.8MB/s in 0.2s

2023-04-11 08:00:46 (53.8 MB/s) - 'apache-maven-3.9.1-bin.tar.gz' saved [9039409/9039409]

[root@ip-172-31-41-154 opt]$ ls -la
total 862
drwxr-xr-x  4 root root 64 Apr 11 08:00 .
drwxr-xr-x 18 root root 257 Apr 11 05:22 ..
-rw-r--r--  1 root root 9039409 Mar 15 10:00 apache-maven-3.9.1-bin.tar.gz
drwxr-xr-x  4 root root 33 Apr  4 20:52 aws
drwxr-xr-x  2 root root 6 Aug 16 2018 rh
[root@ip-172-31-41-154 opt]$ 
```

i-0bd346cf6e7fcdf53f (jenkins_server1)

PublicIPs: 3.20.221.63 PrivateIPs: 172.31.41.154

```
aws Services Search [Alt+S] | Ohio | Bhauu | X
[root@ip-172-31-41-154 opt]\# tar -xzf apache-maven-3.9.1-bin.tar.gz
[root@ip-172-31-41-154 opt]\# ls -la
total 8628
drwxr-xr-x  5 root root    90 Apr 11 08:02 .
dr-xr-xr-x 18 root root   257 Apr 11 05:22 ..
drwxr-xr-x  6 root root   99 Apr 11 08:02 apache-maven-3.9.1
-rw-r--r--  1 root root 9039409 Mar 15 10:00 apache-maven-3.9.1-bin.tar.gz
drwxr-xr-x  4 root root   33 Apr  4 20:52 aws
drwxr-xr-x  2 root root    6 Aug 16 2018 rh
[root@ip-172-31-41-154 opt]\# cd maven/
bash: cd: maven/: No such file or directory
[root@ip-172-31-41-154 opt]\# mv apache-maven-3.9.1 maven
[root@ip-172-31-41-154 opt]\# ls -la
total 8628
drwxr-xr-x  5 root root    77 Apr 11 08:03 .
drwxr-xr-x 18 root root   257 Apr 11 05:22 ..
-rw-r--r--  1 root root 9039409 Mar 15 10:00 apache-maven-3.9.1-bin.tar.gz
drwxr-xr-x  4 root root   33 Apr  4 20:52 aws
drwxr-xr-x  6 root root   99 Apr 11 08:02 maven
drwxr-xr-x  2 root root    6 Aug 16 2018 rh
[root@ip-172-31-41-154 opt]\# cd maven/
[root@ip-172-31-41-154 maven]\# ls -la
total 36
drwxr-xr-x  6 root root   99 Apr 11 08:02 .
drwxr-xr-x  5 root root   77 Apr 11 08:03 ..
drwxr-xr-x  2 root root   97 Apr 11 08:02 bin
drwxr-xr-x  2 root root   76 Apr 11 08:02 boot
drwxr-xr-x  3 root root   63 Mar 15 09:39 conf
drwxr-xr-x  4 root root 4096 Apr 11 08:02 lib
-rw-r--r--  1 root root 18644 Mar 15 09:39 LICENSE
i-Obd346cf6e7fd53f (jenkins_server1)
PublicIPs: 3.20.221.63 PrivateIPs: 172.31.41.154
```

```
aws Services Search [Alt+S] | Ohio | Bhauu | X
[root@ip-172-31-41-154 opt]\# tar -xzf apache-maven-3.9.1-bin.tar.gz
[root@ip-172-31-41-154 opt]\# ls -la
total 36
drwxr-xr-x  5 root root    77 Apr 11 08:03 .
dr-xr-xr-x 18 root root   257 Apr 11 05:22 ..
-rw-r--r--  1 root root 9039409 Mar 15 10:00 apache-maven-3.9.1-bin.tar.gz
drwxr-xr-x  4 root root   33 Apr  4 20:52 aws
drwxr-xr-x  6 root root   99 Apr 11 08:02 maven
drwxr-xr-x  2 root root    6 Aug 16 2018 rh
[root@ip-172-31-41-154 opt]\# cd maven/
[root@ip-172-31-41-154 maven]\# ls -la
total 32
drwxr-xr-x  6 root root   99 Apr 11 08:02 .
drwxr-xr-x  5 root root   77 Apr 11 08:03 ..
drwxr-xr-x  2 root root   97 Apr 11 08:02 bin
drwxr-xr-x  2 root root   76 Apr 11 08:02 boot
drwxr-xr-x  3 root root   63 Mar 15 09:39 conf
drwxr-xr-x  4 root root 4096 Apr 11 08:02 lib
-rw-r--r--  1 root root 18644 Mar 15 09:39 LICENSE
-rw-r--r--  1 root root 5036 Mar 15 09:39 NOTICE
-rw-r--r--  1 root root 2533 Mar 15 09:39 README.txt
[root@ip-172-31-41-154 maven]\# cd bin
[root@ip-172-31-41-154 bin]\# ls -la
total 32
drwxr-xr-x  2 root root   97 Apr 11 08:02 .
drwxr-xr-x  6 root root   99 Apr 11 08:02 ..
-rw-r--r--  1 root root 327 Mar 15 09:39 m2.conf
-rw-r--r--  1 root root 5883 Mar 15 09:39 mvn
-rw-r--r--  1 root root 6324 Mar 15 09:39 mvn.cmd
-rw-r--r--  1 root root 1684 Mar 15 09:39 mvnDebug
-rw-r--r--  1 root root 2169 Mar 15 09:39 mvnDebug.cmd
-rw-r--r--  1 root root 1611 Mar 15 09:39 mvnjar
[root@ip-172-31-41-154 bin]\# i-Obd346cf6e7fd53f (jenkins_server1)
PublicIPs: 3.20.221.63 PrivateIPs: 172.31.41.154
```

```
aws Services Search [Alt+S] | Ohio | Bhauu | X
-rw-r--r--  1 root root 5036 Mar 15 09:39 NOTICE
-rw-r--r--  1 root root 2533 Mar 15 09:39 README.txt
[root@ip-172-31-41-154 maven]\# cd bin
[root@ip-172-31-41-154 bin]\# ls -la
total 32
drwxr-xr-x  2 root root   97 Apr 11 08:02 .
drwxr-xr-x  6 root root   99 Apr 11 08:02 ..
-rw-r--r--  1 root root 327 Mar 15 09:39 m2.conf
-rw-r--r--  1 root root 5883 Mar 15 09:39 mvn
-rw-r--r--  1 root root 6324 Mar 15 09:39 mvn.cmd
-rw-r--r--  1 root root 1684 Mar 15 09:39 mvnDebug
-rw-r--r--  1 root root 2169 Mar 15 09:39 mvnDebug.cmd
-rw-r--r--  1 root root 1611 Mar 15 09:39 mvnjar
[root@ip-172-31-41-154 bin]\# java -version
openjdk version "11.0.18" 2023-01-17 LTS
OpenJDK Runtime Environment (Red Hat/11.0.18.0.10-1.amzn2.0.1) (build 11.0.18+10-LTS)
OpenJDK 64-Bit Server VM (Red Hat/11.0.18.0.10-1.amzn2.0.1) (build 11.0.18+10-LTS, mixed mode, sharing)
[root@ip-172-31-41-154 bin]\# cd
[root@ip-172-31-41-154 ~]\# ls -la
total 24
dr-xr-x---  3 root root 124 Apr 11 05:26 .
dr-xr-xr-x 18 root root 257 Apr 11 05:22 ..
-rw-----  1 root root 62 Apr 11 05:26 .bash_history
-rw-r--r--  1 root root 18 Oct 18 2017 .bash_logout
-rw-r--r--  1 root root 176 Oct 18 2017 .bash_profile
-rw-r--r--  1 root root 176 Oct 18 2017 .bashrc
-rw-r--r--  1 root root 100 Oct 18 2017 .cshrc
drwx----- 2 root root 29 Apr 11 05:22 .ssh
-rw-r--r--  1 root root 129 Oct 18 2017 .tcsirc
[root@ip-172-31-41-154 ~]\# i-Obd346cf6e7fd53f (jenkins_server1)
PublicIPs: 3.20.221.63 PrivateIPs: 172.31.41.154
```

```
[root@ip-172-31-41-154 bin]# cd ~
[root@ip-172-31-41-154 ~]# ls -la
total 24
drwxr-xr-x  3 root root 124 Apr 11 05:26 .
drwxr-xr-x 18 root root 257 Apr 11 05:22 ..
-rw-r--r--  1 root root  62 Apr 11 05:26 .bash_history
-rw-r--r--  1 root root 18 Oct 18 2017 .bash_logout
-rw-r--r--  1 root root 176 Oct 18 2017 .bash_profile
-rw-r--r--  1 root root 176 Oct 18 2017 .bashrc
-rw-r--r--  1 root root 100 Oct 18 2017 .cshrc
drwxr-xr-x  2 root root  29 Apr 11 05:22 .esh
-rw-r--r--  1 root root 129 Oct 18 2017 .tcshrc
[root@ip-172-31-41-154 ~]# vi .bash_profile
```

i-0bd346cf6e7fcf53f (jenkins_server1)

PublicIPs: 3.20.221.63 PrivateIPs: 172.31.41.154

```
# .bash_profile

# Get the aliases and functions
if [ -f ~/.bashrc ]; then
    . ~/.bashrc
fi

# User specific environment and startup
M2_HOME=/opt/maven
M2=/opt/maven/bin
JAVA_HOME=/usr/lib/jvm/java-11-openjdk-11.0.18.0.10-1.amzn2.0.1.x86_64
PATH=$PATH:$HOME/bin:$M2:$M2_HOME:$JAVA_HOME

export PATH
```

i-0bd346cf6e7fcf53f (jenkins_server1)

PublicIPs: 3.20.221.63 PrivateIPs: 172.31.41.154

```
[root@ip-172-31-41-154 bin]# java -version
openjdk version "11.0.18" 2023-01-17 LTS
OpenJDK Runtime Environment (Red Hat-11.0.18.0.10-1.amzn2.0.1) (build 11.0.18+10-LTS)
OpenJDK 64-bit Server VM (Red Hat-11.0.18.0.10-1.amzn2.0.1) (build 11.0.18+10-LTS, mixed mode, sharing)
[root@ip-172-31-41-154 bin]# cd ~
[root@ip-172-31-41-154 ~]# ls -la
total 24
drwxr-xr-x  3 root root 124 Apr 11 05:26 .
drwxr-xr-x 18 root root 257 Apr 11 05:22 ..
-rw-r--r--  1 root root  62 Apr 11 05:26 .bash_history
-rw-r--r--  1 root root 18 Oct 18 2017 .bash_logout
-rw-r--r--  1 root root 176 Oct 18 2017 .bash_profile
-rw-r--r--  1 root root 176 Oct 18 2017 .bashrc
-rw-r--r--  1 root root 100 Oct 18 2017 .cshrc
drwxr-xr-x  2 root root  29 Apr 11 05:22 .esh
-rw-r--r--  1 root root 129 Oct 18 2017 .tcshrc
[root@ip-172-31-41-154 ~]# vi .bash_profile
[root@ip-172-31-41-154 ~]# vi .bash_profile
[root@ip-172-31-41-154 ~]# echo $PATH
/sbin:/bin:/usr/sbin:/usr/bin
[root@ip-172-31-41-154 ~]# source .bash_profile
[root@ip-172-31-41-154 ~]# echo $JAVA_HOME
$JAVA_HOME=/usr/lib/jvm/java-11-openjdk-11.0.18.0.10-1.amzn2.0.1.x86_64
[root@ip-172-31-41-154 ~]# mvn --version
Apache Maven 3.9.1 (2e178502ccbfco20167fb2537d0cb4acc58ef0)
Maven home: /opt/maven
Java version: 11.0.18, vendor: Red Hat, Inc., runtime: /usr/lib/jvm/java-11-openjdk-11.0.18.0.10-1.amzn2.0.1.x86_64
Default locale: en_US, platform encoding: UTF-8
OS name: "linux", version: "5.10.173-154.642.amzn2.x86_64", arch: "amd64", family: "unix"
[root@ip-172-31-41-154 ~]
```

i-0bd346cf6e7fcf53f (jenkins_server1)

PublicIPs: 3.20.221.63 PrivateIPs: 172.31.41.154

Not secure | 3.20.221.63:8080/manage/pluginManager/available

Plugins

Updates Available plugins Installed plugins Advanced settings Download progress

maven integra

Install	Name	Released
<input checked="" type="checkbox"/>	Maven Integration 3.21 Build Tools	1 mo 11 days ago
<input type="checkbox"/>	Config File Provider 3.11.1 Groovy-related External Site/Tool Integrations Maven	8 mo 23 days ago
<input type="checkbox"/>	Jira 3.9 External Site/Tool Integrations Maven jira	2 mo 7 days ago
<input type="checkbox"/>	Pipeline Maven Integration 1279.v5d711113020f	

Install without restart Download now and install after restart Update information obtained: 2 hr 47 min ago Check now

Global Tool Configuration [Jenkins] + Not secure | 3.20.221.63:8080/manage/configureTools/

Global Tool Configuration

Maven Configuration

Default settings provider

Use default maven settings

Default global settings provider

Use default maven global settings

JDK

JDK installations

List of JDK installations on this system

Add JDK

Save Apply

Type here to search

DELL 33°C 13:49 11-04-2023

The screenshot shows the Jenkins Global Tool Configuration page for Maven. The URL is <http://3.20.221.63:8080/manage/configureTools/>. The page title is "Global Tool Configuration [Jenkins]". Under the "Maven" section, there is a "Maven installations" list with one entry named "maven". The configuration details for "maven" include:

- Name: maven
- MAVEN_HOME: /opt/maven
- Install automatically

Buttons at the bottom are "Add Maven", "Save", and "Apply".

The screenshot shows the Jenkins "New Item" creation dialog. The URL is <http://3.20.221.63:8080/view/all/newJob>. The page title is "New Item [Jenkins]". The "Enter an item name" field contains "myfirstmavenproject". Below it, there are two project selection options:

- 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.
- Maven project**: Build a maven project. Jenkins takes advantage of your POM files and drastically reduces the configuration.

If you want to create a new item from other existing, you can use this option: Copy from. A "Type to autocomplete" input field is present. At the bottom is an "OK" button.

Not secure | 3.20.221.63.8080/job/myfirstmavenproject/configure

Configure

General

Description
This is my first maven project
[Plain text] Preview

Discard old builds ?
 GitHub project
 This project is parameterized ?
 Execute concurrent builds if necessary ?

Enabled

Source Code Management

Not secure | 3.20.221.63.8080/job/myfirstmavenproject/configure

Configure

Source Code Management

None
 Git ?

Repositories ?

Repository URL ?
https://github.com/jhamandeep/hello-world

Credentials ?
- none -
Add ▾

Advanced ▾

Add Repository

Branches to build ?

Not secure | 3.20.221.63.8080/job/myfirstmavenproject/configure

Configure

Build

Root POM ?
pom.xml

Goals and options ?
clean install

Advanced ▾

Post Steps

Run only if build succeeds
 Run only if build succeeds or is unstable
 Run regardless of build result

← → ⌂ ⚠ Not secure | 3.20.221.63:8080/job/myfirstmavenproject/1/console

Jenkins

Dashboard > myfirstmavenproject > #1 > Console Output

Console Output

```

Status
Changes
Console Output
View as plain text
Edit Build Information
Delete build '#1'
Git Build Data
Redeploy Artifacts
Test Result
See Fingerprints

Console Output

Started by user admin
Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/myfirstmavenproject
The recommended git tool is: NONE
No credentials specified
Cloning the remote Git repository
Cloning repository https://github.com/jhamandeep/hello-world
> git init /var/lib/jenkins/workspace/myfirstmavenproject # timeout=10
Fetching upstream changes from https://github.com/jhamandeep/hello-world
> git --version # timeout=10
> git --version # 'git version 2.39.2'
> git fetch --tags --force --progress -- https://github.com/jhamandeep/hello-world +refs/heads/*:refs/remotes/origin/* # timeout=10
> git config remote.origin.url https://github.com/jhamandeep/hello-world # timeout=10
> git config --add remote.origin.fetch +refs/heads/*:refs/remotes/origin/* # timeout=10
Avoid second fetch
> git rev-parse refs/remotes/origin/master^{commit} # timeout=10
Checking out Revision 728ca7f57ce431bde0b9cf0d5cf0206cc0328d4 (refs/remotes/origin/master)
> git config core.sparsecheckout # timeout=10
> git checkout -f 728ca7f57ce431bde0b9cf0d5cf0206cc0328d4 # timeout=10
Commit message: "changes"
First time build. Skipping changelog.
Parsing POMs
Discovered a new module com.example.maven-project:maven-project Maven Project

```

← → ⌂ ⚠ Not secure | 3.20.221.63:8080/job/myfirstmavenproject/1/console

Dashboard > myfirstmavenproject > #1 > Console Output

```

[INFO] Installing /var/lib/jenkins/workspace/myfirstmavenproject/webapp/pom.xml to /var/lib/jenkins/.m2/repository/com/example/maven-project/webapp/1.0-SNAPSHOT/webapp-1.0-SNAPSHOT.pom
[INFO] Installing /var/lib/jenkins/workspace/myfirstmavenproject/webapp/target/webapp.war to /var/lib/jenkins/.m2/repository/com/example/maven-project/webapp/1.0-SNAPSHOT/webapp-1.0-SNAPSHOT.war
[INFO] -----
[INFO] Reactor Summary for Maven Project 1.0-SNAPSHOT:
[INFO]
[INFO] Maven Project ..... SUCCESS [ 4.332 s]
[INFO] Server ..... SUCCESS [ 8.469 s]
[INFO] Webapp ..... SUCCESS [ 3.192 s]
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 19.387 s
[INFO] Finished at: 2023-04-11T08:24:08Z
[INFO] -----
Waiting for Jenkins to finish collecting data
[JENKINS] Archiving /var/lib/jenkins/workspace/myfirstmavenproject/webapp/pom.xml to com.example.maven-project/webapp/1.0-SNAPSHOT/webapp-1.0-SNAPSHOT.pom
[JENKINS] Archiving /var/lib/jenkins/workspace/myfirstmavenproject/webapp/target/webapp.war to com.example.maven-project/webapp/1.0-SNAPSHOT/webapp-1.0-SNAPSHOT.war
[JENKINS] Archiving /var/lib/jenkins/workspace/myfirstmavenproject/server/pom.xml to com.example.maven-project/server/1.0-SNAPSHOT/server-1.0-SNAPSHOT.pom
[JENKINS] Archiving /var/lib/jenkins/workspace/myfirstmavenproject/server/target/server.jar to com.example.maven-project/server/1.0-SNAPSHOT/server-1.0-SNAPSHOT.jar
[JENKINS] Archiving /var/lib/jenkins/workspace/myfirstmavenproject/pom.xml to com.example.maven-project/maven-project/1.0-SNAPSHOT/maven-project-1.0-SNAPSHOT.pom
channel stopped
Finished: SUCCESS

```

aws Services Search [Alt+S]

```

exit
[ec2-user@ip-172-31-41-154 opt]$ cd ~
[ec2-user@ip-172-31-41-154 ~]$ sudo cat /var/lib/jenkins/secrets/initialAdminPassword
cat: /var/lib/jenkins/secrets/initialAdminPassword: No such file or directory
[ec2-user@ip-172-31-41-154 ~]$ sudo cat /var/lib/jenkins/secrets/initialAdminPassword
129bc7d357654ad98751b5e4d2ff3d9e
[ec2-user@ip-172-31-41-154 ~]$ sudo su
[root@ip-172-31-41-154 ec2-user]# cd ~
[root@ip-172-31-41-154 ~]$ cd /var/lib/jenkins/workspace
[root@ip-172-31-41-154 workspace]# ls -la
total 4
drwxr-xr-x 5 jenkins jenkins 91 Apr 11 08:23 .
drwxr-xr-x 1 jenkins jenkins 4096 Apr 11 08:24 ..
drwxr-xr-x 2 jenkins jenkins 128 Apr 11 07:29 myfirstjenkinsproject
drwxr-xr-x 5 jenkins jenkins 147 Apr 11 08:23 myfirstmavenproject
drwxr-xr-x 5 jenkins jenkins 147 Apr 11 07:42 PullFromGitHub
[root@ip-172-31-41-154 workspace]# cd myfirstmavenproject
[root@ip-172-31-41-154 myfirstmavenproject]# ls -la
total 24
drwxr-xr-x 5 jenkins jenkins 147 Apr 11 08:23 .
drwxr-xr-x 5 jenkins jenkins 130 Apr 11 08:23 dockerfile
drwxr-xr-x 8 jenkins jenkins 162 Apr 11 08:23 .git
-rw-r--r-- 1 jenkins jenkins 6333 Apr 11 08:23 pom.xml
-rw-r--r-- 1 jenkins jenkins 1 Apr 11 08:23 README.md
-rw-r--r-- 1 jenkins jenkins 479 Apr 11 08:23 regapp-deploy.yml
-rw-r--r-- 1 jenkins jenkins 195 Apr 11 08:23 regapp-service.yml
drwxr-xr-x 4 jenkins jenkins 46 Apr 11 08:23 server
drwxr-xr-x 4 jenkins jenkins 46 Apr 11 08:24 webapp
[root@ip-172-31-41-154 myfirstmavenproject]#

```

i-0bd346cf6e7fd53f (jenkins_server1)

PublicIPs: 3.20.221.63 PrivateIPs: 172.31.41.154

Launch an instance

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

Name and tags

Name: tomcat_server

Software Image (AMI)

Microsoft Windows Server 2022 ...read more
ami-0ca58e4cb9e83244e

Virtual server type (instance type)

t2.micro

Firewall (security group)

jenkinssg

Application and OS Images (Amazon Machine Image)

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below.

Recent

Amazon Linux, macOS, Ubuntu, Windows, Red Hat, S, **ubuntu**, Microsoft, Red Hat

Browse more AMIs

Including AMIs from AWS, Marketplace and the Community

Amazon Linux 2 AMI (HVM) - Kernel 5.10, SSD Volume Type

Free tier eligible

ami-0d80c4e4338722fc6 (64-bit (x86)) / ami-0b54b4e237a721fc (64-bit (Arm))
Virtualization: hvm ENA enabled: true Root device type: ebs

Description

Amazon Linux 2 Kernel 5.10 AMI 2.0.20230404 x86_64 HVM gp2

Architecture

AMI ID: ami-0d80c4e4338722fc6 Verified provider

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month. 30 GiB of EBS

Launch Instance

Instance type

t2.micro

Family: t2 1 vCPU 1 GiB Memory
On-Demand Linux pricing: 0.0116 USD per Hour
On-Demand SUSE pricing: 0.0116 USD per Hour
On-Demand Windows pricing: 0.0162 USD per Hour
On-Demand RHEL pricing: 0.0716 USD per Hour

All generations

Key pair (login)

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - required: jenkinskey

Network settings

Network: vpc-0a95aad72a3489e34
Subnet: No preference (Default subnet in any availability zone)

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month. 30 GiB of EBS

Launch Instance

aws Services Search [Alt+S]

No preference (Default subnet in any availability zone)

Auto-assign public IP [Info](#)

Enable

Firewall (security groups) Info

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

Create security group Select existing security group

Security groups info

Select security groups

jenkinssg sg-0673deed800b4ec8 X

VPC: vpc-0a95aad2a3489e34

Configure storage Info

Advanced

1x 8 GiB gp2 Root volume (Not encrypted)

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage

Add new volume

0 x File systems Edit

Summary

Number of instances [Info](#)

1

Software image (AMI)

Amazon Linux 2 Kernel 5.10 AMI... [read more](#)

ami-0d80c4e4338722f6

Virtual server type (instance type)

t2.micro

Firewall (security group)

jenkinssg

Storage (volumes)

1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro) in the Regions in which t2.micro is unavailable. Instance usage on free tier AMIs per month: 30 GiB of EBS

Cancel Launch instance Review commands

aws Services Search [Alt+S]

Amazon Linux 2 AMI

```
https://aws.amazon.com/amazon-linux-2/
No packages needed for security; 2 packages available
Run "sudo yum update" to install all updates.
[ec2-user@ip-172-31-39-180 ~]$ sudo su
[root@ip-172-31-39-180 ~]# amazon-linux-extras install java-openjdk11
installing java-11-openjdk
Loaded plugins: extras suggestions, langpacks, priorities, update-motd
Cleaning repos: amzn2-core amzn2extra-docker amzn2extra-java-openjdk11 amzn2extra-kernel-5.10
17 metadata files removed
6 sqlite files removed
0 metadata files removed
Loaded plugins: extras suggestions, langpacks, priorities, update-motd
amzn2-core
amzn2extra-docker
amzn2extra-java-openjdk11
amzn2extra-kernel-5.10
(1/9): amzn2-core/x86_64/group.gz
(2/9): amzn2-core/x86_64/updateinfo
(3/9): amzn2extra-java-openjdk11/x86_64-primary_db
(4/9): amzn2extra-kernel-5.10/x86_64-updateinfo
(5/9): amzn2extra-docker/x86_64/updateinfo
(6/9): amzn2extra-java-openjdk11/x86_64/updateinfo
(7/9): amzn2extra-docker/x86_64-primary_db
(8/9): amzn2extra-kernel-5.10/x86_64-primary_db
(9/9): amzn2-core/x86_64-primary_db
```

i-Ofcdd59a824372e5e (tomcat_server)

PublicIPs: 3.19.26.128 PrivateIPs: 172.31.39.180

aws Services Search [Alt+S]

```
(28/35): python-javapackages-3.4.1-11.amzn2.noarch.rpm | 31 kB 00:00:00
(29/35): java-11-openjdk-11.0.18.0.10-1.amzn2.0.1.x86_64.rpm | 237 kB 00:00:00
(30/35): ttmkfdir-1.1.2-12.amzn2.x86_64.rpm | 50 kB 00:00:00
(31/35): python-xpki-3.2.2-4.amzn2.0.1.x86_64.rpm | 1 kB 00:00:00
(32/35): amzn2-aws-2022-qcow2-0.2.noarch.rpm | 184 kB 00:00:00
(33/35): xorg-x11-font-utils-type1-7.5-21.amzn2.x86_64.rpm | 103 kB 00:00:00
(34/35): xorg-x11-fonts-type1-7.5-9.amzn2.noarch.rpm | 521 kB 00:00:00
(35/35): java-11-openjdk-headless-11.0.18.0.10-1.amzn2.0.1.x86_64.rpm | 39 MB 00:00:00
```

Total 49 MB/s | 46 MB 00:00:00

Running transaction check

Running transaction test

Transaction test succeeded

Running transaction

```
Installing : libICE-1.0.9-9.amzn2.0.2.x86_64 | 1/35
Installing : libXSLT-1.1.28-6.amzn2.x86_64 | 2/35
Installing : fontpackages-fs-filesystem-1.44-8.amzn2.noarch | 3/35
Installing : dejavu-fonts-common-2.33-6.amzn2.noarch | 4/35
Installing : dejavu-sans-fonts-2.33-6.amzn2.noarch | 5/35
Installing : fontconfig-2.13.1-4.3.amzn2.x86_64 | 6/35
Installing : python-2.7.17.1-12.amzn2.0.2.x86_64 | 7/35
Installing : python-javapackages-3.4.1-11.amzn2.noarch | 8/35
Installing : javapackages-tools-3.4.1-11.amzn2.noarch | 9/35
Installing : libSM-1.2.2-2.amzn2.0.2.x86_64 | 10/35
Installing : graphite2-1.3.10-1.amzn2.0.2.x86_64 | 11/35
Installing : harfbuzz-1.7.5-2.amzn2.x86_64 | 12/35
Installing : alsalib-1.1.4.1-2.amzn2.x86_64 | 13/35
Installing : copy-jdk-configs-3.3-10.amzn2.noarch | 14/35
Installing : libfontenc-1.1.3-3.amzn2.0.2.x86_64 | 15/35
Installing : libxorg-x11-font-utils-7.5-21.amzn2.x86_64 | 16/35
```

i-Ofcdd59a824372e5e (tomcat_server)

PublicIPs: 3.19.26.128 PrivateIPs: 172.31.39.180

```
aws Services Search [Alt+S]
43 livepatch available [ =stable ]
44 python3.8 available [ =stable ]
45 haproxy2 available [ =stable ]
46 collectd available [ =stable ]
47 aws-nitro-enclaves-cli available [ =stable ]
48 R4 available [ =stable ]
49 kernel-5.4 available [ =stable ]
50 selinux-ng available [ =stable ]
51 php8.0 available [ =stable ]
52 tomcat9 available [ =stable ]
53 unbound1.13 available [ =stable ]
54 mariadb10.5 available [ =stable ]
55 kernel-5.10=latest enabled [ =stable ]
56 redis6 available [ =stable ]
57 ruby3.0 available [ =stable ]
58 postgresql12 available [ =stable ]
59 postgresql13 available [ =stable ]
60 mock2 available [ =stable ]
61 dnsmasq2.85 available [ =stable ]
62 kernel-5.15 available [ =stable ]
63 postgresql14 available [ =stable ]
64 firefox available [ =stable ]
65 lustre available [ =stable ]
66 php8.1 available [ =stable ]
67 awscli1 available [ =stable ]
68 php8.2 available [ =stable ]
69 dnsmasq available [ =stable ]
70 unbound1.17 available [ =stable ]
71 golangl.19 available [ =stable ]
[root@ip-172-31-39-180 ~]#
```

i-0fcdd59a824372e5e (tomcat_server)

PublicIPs: 3.19.26.128 PrivateIPs: 172.31.39.180

```
aws Services Search [Alt+S]
47 aws-nitro-enclaves-cli available [ =stable ]
48 R4 available [ =stable ]
49 kernel-5.4 available [ =stable ]
50 selinux-ng available [ =stable ]
51 php8.0 available [ =stable ]
52 tomcat9 available [ =stable ]
53 unbound1.13 available [ =stable ]
54 mariadb10.5 available [ =stable ]
55 kernel-5.10=latest enabled [ =stable ]
56 redis6 available [ =stable ]
57 ruby3.0 available [ =stable ]
58 postgresql12 available [ =stable ]
59 postgresql13 available [ =stable ]
60 mock2 available [ =stable ]
61 dnsmasq2.85 available [ =stable ]
62 kernel-5.15 available [ =stable ]
63 postgresql14 available [ =stable ]
64 firefox available [ =stable ]
65 lustre available [ =stable ]
66 php8.1 available [ =stable ]
67 awscli1 available [ =stable ]
68 php8.2 available [ =stable ]
69 dnsmasq available [ =stable ]
70 unbound1.17 available [ =stable ]
71 golangl.19 available [ =stable ]
[root@ip-172-31-39-180 ~]# java -version
openjdk version "11.0.18" 2023-01-17 LTS
OpenJDK Runtime Environment (Red Hat-11.0.18.0.10-1.amzn2.0.1) (build 11.0.18+10-LTS)
OpenJDK 64-Bit Server VM (Red Hat-11.0.18.0.10-1.amzn2.0.1) (build 11.0.18+10-LTS, mixed mode, sharing)
[root@ip-172-31-39-180 ~]#
```

i-0fcdd59a824372e5e (tomcat_server)

PublicIPs: 3.19.26.128 PrivateIPs: 172.31.39.180

```
aws Services Search [Alt+S]
66 php8.1 available [ =stable ]
67 awscli1 available [ =stable ]
68 php8.2 available [ =stable ]
69 dnsmasq available [ =stable ]
70 unbound1.17 available [ =stable ]
71 golangl.19 available [ =stable ]
[root@ip-172-31-39-180 ~]# java -version
openjdk version "11.0.18" 2023-01-17 LTS
OpenJDK Runtime Environment (Red Hat-11.0.18.0.10-1.amzn2.0.1) (build 11.0.18+10-LTS)
OpenJDK 64-Bit Server VM (Red Hat-11.0.18.0.10-1.amzn2.0.1) (build 11.0.18+10-LTS, mixed mode, sharing)
[root@ip-172-31-39-180 ~]# cd /opt
[root@ip-172-31-39-180 opt]# ls -la
total 0
drwxr-xr-x  4 root root 27 Apr  4 20:52 .
dr-xr-xr-x 18 root root 257 Apr 11 14:04 ..
drwxr-xr-x  4 root root 33 Apr  4 20:52 aws
drwxr-xr-x  2 root root  6 Aug 16 2018 zh
[root@ip-172-31-39-180 opt]# wget https://dlcdn.apache.org/tomcat/tomcat-11/v11.0.0-M4/bin/apache-tomcat-11.0.0-M4.tar.gz
--2023-04-11 14:16:57-- https://dlcdn.apache.org/tomcat/tomcat-11/v11.0.0-M4/bin/apache-tomcat-11.0.0-M4.tar.gz
Resolving dlcdn.apache.org (dlcdn.apache.org)... 151.101.2.132, 2a04:fe42::644
Connecting to dlcdn.apache.org (dlcdn.apache.org)|151.101.2.132|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 12053134 (11M) [application/x-gzip]
Saving to: 'apache-tomcat-11.0.0-M4.tar.gz'

100%[=====] 12,053,134  58.3MB/s   in 0.2s
2023-04-11 14:16:58 (58.3 MB/s) - 'apache-tomcat-11.0.0-M4.tar.gz' saved [12053134/12053134]
[root@ip-172-31-39-180 opt]#
```

i-0fcdd59a824372e5e (tomcat_server)

PublicIPs: 3.19.26.128 PrivateIPs: 172.31.39.180

```
aws Services Search [Alt+S]
[root@ip-172-31-39-180 opt]# wget https://dlcdn.apache.org/tomcat/tomcat-9/v9.0.73/bin/apache-tomcat-9.0.73.tar.gz
--2023-04-11 14:27:47 -- https://dlcdn.apache.org/tomcat/tomcat-9/v9.0.73/bin/apache-tomcat-9.0.73.tar.gz
Resolving dlcdn.apache.org (dlcdn.apache.org)... 151.101.2.132, 2a04:4e42::644
Connecting to dlcdn.apache.org (dlcdn.apache.org)|151.101.2.132|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 11625808 (11M) [application/x-gzip]
Saving to: 'apache-tomcat-9.0.73.tar.gz'

100%[=====] 11,625,808 67.0MB/s in 0.2s

2023-04-11 14:27:47 (67.6 MB/s) - 'apache-tomcat-9.0.73.tar.gz' saved [11625808/11625808]

[root@ip-172-31-39-180 opt]# ls -la
total 23128
drwxr-xr-x  5 root root    114 Apr 11 14:27 .
dr-xr-xr-x 18 root root   257 Apr 11 14:04 ..
-rw-r--r--  1 root root 12053134 Feb 27 20:24 apache-tomcat-11.0.0-M4.tar.gz
-rw-r--r--  1 root root 11625808 Feb 27 15:44 apache-tomcat-9.0.73.tar.gz
drwxr-xr-x  4 root root    33 Apr  4 20:52 aws
drwxr-xr-x  2 root root     6 Aug 16 2018 xh
drwxr-xr-x  9 root root   220 Apr 11 14:18 tomcat
[root@ip-172-31-39-180 opt]# tar -xvf apache-tomcat-9.0.73.tar.gz
apache-tomcat-9.0.73/conf/
apache-tomcat-9.0.73/conf/catalina.policy
apache-tomcat-9.0.73/conf/catalina.properties
apache-tomcat-9.0.73/conf/context.xml
apache-tomcat-9.0.73/conf/aspic-providers.xml
apache-tomcat-9.0.73/conf/aspic-providers.xsd
apache-tomcat-9.0.73/conf/logging.properties
apache-tomcat-9.0.73/conf/server.xml
```

i-0fcdd59a824372e5e (tomcat_server)

PublicIPs: 3.19.26.128 PrivateIPs: 172.31.39.180

```
aws Services Search [Alt+S]
apache-tomcat-9.0.73/webapps/host-manager/images/asf-logo.svg
apache-tomcat-9.0.73/webapps/host-manager/images/tomcat.svg
apache-tomcat-9.0.73/webapps/host-manager/index.jsp
apache-tomcat-9.0.73/webapps/manager/META-INF/context.xml
apache-tomcat-9.0.73/webapps/manager/META-INF/jsp/401.jsp
apache-tomcat-9.0.73/webapps/manager/META-INF/jsp/403.jsp
apache-tomcat-9.0.73/webapps/manager/META-INF/jsp/404.jsp
apache-tomcat-9.0.73/webapps/manager/META-INF/jsp/connectorCerts.jsp
apache-tomcat-9.0.73/webapps/manager/META-INF/jsp/connectorCiphers.jsp
apache-tomcat-9.0.73/webapps/manager/META-INF/jsp/connectorTrustedCerts.jsp
apache-tomcat-9.0.73/webapps/manager/META-INF/jsp/sessionDetail.jsp
apache-tomcat-9.0.73/webapps/manager/META-INF/jsp/sessionsList.jsp
apache-tomcat-9.0.73/webapps/manager/META-INF/web.xml
apache-tomcat-9.0.73/webapps/manager/css/manager.css
apache-tomcat-9.0.73/webapps/manager/images/asf-logo.svg
apache-tomcat-9.0.73/webapps/manager/images/tomcat.svg
apache-tomcat-9.0.73/webapps/manager/index.jsp
apache-tomcat-9.0.73/webapps/manager/status.xsd
apache-tomcat-9.0.73/webapps/manager/xform.xml
apache-tomcat-9.0.73/bin/catalina.sh
apache-tomcat-9.0.73/bin/ciphers.sh
apache-tomcat-9.0.73/bin/configtest.sh
apache-tomcat-9.0.73/bin/diagnostics
apache-tomcat-9.0.73/bin/digest.sh
apache-tomcat-9.0.73/bin/makebase.sh
apache-tomcat-9.0.73/bin/setclasspath.sh
apache-tomcat-9.0.73/bin/shutdown.sh
apache-tomcat-9.0.73/bin/startup.sh
apache-tomcat-9.0.73/bin/tool-wrapper.sh
apache-tomcat-9.0.73/bin/version.sh
```

i-0fcdd59a824372e5e (tomcat_server)

PublicIPs: 3.19.26.128 PrivateIPs: 172.31.39.180

```
aws Services Search [Alt+S]
[root@ip-172-31-39-180 opt]# ls -la
total 23128
drwxr-xr-x  6 root root    142 Apr 11 14:29 .
dr-xr-xr-x 18 root root   257 Apr 11 14:04 ..
-rw-r--r--  1 root root 12053134 Feb 27 20:24 apache-tomcat-11.0.0-M4.tar.gz
drwxr-xr-x  9 root root   220 Apr 11 14:29 apache-tomcat-9.0.73
-rw-r--r--  1 root root 11625808 Feb 27 15:44 apache-tomcat-9.0.73.tar.gz
drwxr-xr-x  4 root root    33 Apr  4 20:52 aws
drwxr-xr-x  2 root root     6 Aug 16 2018 xh
drwxr-xr-x  9 root root   220 Apr 11 14:18 tomcat
[root@ip-172-31-39-180 opt]# mv apache-tomcat-9.0.73 tomcat
[root@ip-172-31-39-180 opt]# ls -la
total 23128
drwxr-xr-x  6 root root    129 Apr 11 14:29 .
dr-xr-xr-x 18 root root   257 Apr 11 14:04 ..
-rw-r--r--  1 root root 12053134 Feb 27 20:24 apache-tomcat-11.0.0-M4.tar.gz
-rw-r--r--  1 root root 11625808 Feb 27 15:44 apache-tomcat-9.0.73.tar.gz
drwxr-xr-x  4 root root    33 Apr  4 20:52 aws
drwxr-xr-x  2 root root     6 Aug 16 2018 xh
drwxr-xr-x  9 root root   220 Apr 11 14:18 tomcat
drwxr-xr-x  9 root root   220 Apr 11 14:29 tomcat
[root@ip-172-31-39-180 opt]# cd tomcat
[root@ip-172-31-39-180 tomcat]# ls -la
total 128
drwxr-xr-x  9 root root   220 Apr 11 14:29 .
drwxr-xr-x  6 root root   129 Apr 11 14:29 ..
drwxr-x---  2 root root   4096 Apr 11 14:29 bin
-rw-r----- 1 root root 19992 Feb 27 15:33 BUILDING.txt
drwxr-x---  2 root root   238 Feb 27 15:33 conf
-rw-r----- 1 root root  6210 Feb 27 15:33 CONTRIBUTING.md
```

i-0fcdd59a824372e5e (tomcat_server)

PublicIPs: 3.19.26.128 PrivateIPs: 172.31.39.180

```

aws Services Search [Alt+S]
[total 900]

drwxr-x--- 1 root root 57092 Feb 27 15:33 LICENSE
drwxr-x--- 2 root root 6 Feb 27 15:33 logs
drwxr-x--- 1 root root 2333 Feb 27 15:33 NOTICE
drwxr-x--- 1 root root 3394 Feb 27 15:33 README.md
drwxr-x--- 1 root root 6901 Feb 27 15:33 RELEASE-NOTES
drwxr-x--- 1 root root 16505 Feb 27 15:33 RUNNING.txt
drwxr-x--- 2 root root 30 Apr 11 14:29 temp
drwxr-x--- 7 root root 81 Feb 27 15:38 webapps
drwxr-x--- 2 root root 6 Feb 27 15:33 work
[root@ip-172-31-39-180 tomcat]# cd bin
[root@ip-172-31-39-180 bin]# ls -la
total 900
drwxr-x--- 2 root root 4096 Apr 11 14:29 .
drwxr-xr-x 9 root root 220 Apr 11 14:29 ..
-rw-r----- 1 root root 35213 Feb 27 15:33 bootstrap.jar
-rw-r----- 1 root root 16840 Feb 27 15:33 catalina.bat
-rwxr-x--- 1 root root 25294 Feb 27 15:33 catalina.sh
-rw-r----- 1 root root 1664 Feb 27 15:33 catalina-tasks.xml
-rw-r----- 1 root root 2123 Feb 27 15:33 ciphers.bat
-rwxr-x--- 1 root root 1997 Feb 27 15:33 ciphers.sh
-rw-r----- 1 root root 25765 Feb 27 15:33 commons-daemon.jar
-rw-r----- 1 root root 214019 Feb 27 15:33 commons-daemon-native.tar.gz
-rw-r----- 1 root root 2040 Feb 27 15:33 configtest.bat
-rwxr-x--- 1 root root 1822 Feb 27 15:33 configtest.sh
-rwxr-x--- 1 root root 2091 Feb 27 15:33 daemon.sh
-rwxr-x--- 1 root root 1965 Feb 27 15:33 digest.sh
-rw-r----- 1 root root 3606 Feb 27 15:33 makebase.bat
-rwxr-x--- 1 root root 3382 Feb 27 15:33 makebase.sh
-rwxr-x--- 1 root root 3460 Feb 27 15:33 setclasspath.bat

```

i-0fcdd59a824372e5e (tomcat_server)

PublicIPs: 3.19.26.128 PrivateIPs: 172.31.39.180

```

aws Services Search [Alt+S]
[total 900]

-rw-r----- 1 root root 25765 Feb 27 15:33 commons-daemon.jar
-rw-r----- 1 root root 214019 Feb 27 15:33 commons-daemon-native.tar.gz
-rw-r----- 1 root root 2040 Feb 27 15:33 configtest.bat
-rwxr-x--- 1 root root 1922 Feb 27 15:33 configtest.sh
-rwxr-x--- 1 root root 9100 Feb 27 15:33 daemon.sh
-rw-r----- 1 root root 2091 Feb 27 15:33 digest.bat
-rwxr-x--- 1 root root 1965 Feb 27 15:33 digest.sh
-rw-r----- 1 root root 3606 Feb 27 15:33 makebase.bat
-rwxr-x--- 1 root root 3382 Feb 27 15:33 makebase.sh
-rw-r----- 1 root root 3460 Feb 27 15:33 setclasspath.bat
-rwxr-x--- 1 root root 3708 Feb 27 15:33 setclasspath.sh
-rw-r----- 1 root root 2020 Feb 27 15:33 shutdown.bat
-rwxr-x--- 1 root root 1902 Feb 27 15:33 shutdown.sh
-rw-r----- 1 root root 2022 Feb 27 15:33 startup.bat
-rwxr-x--- 1 root root 1904 Feb 27 15:33 startup.sh
-rw-r----- 1 root root 4013 Feb 27 15:33 tomcat-juli.jar
-rw-r----- 1 root root 437622 Feb 27 15:33 tomcat-native.tar.gz
-rw-r----- 1 root root 4574 Feb 27 15:33 tool-wrapper.bat
-rwxr-x--- 1 root root 5540 Feb 27 15:33 tool-wrapper.sh
-rw-r----- 1 root root 2026 Feb 27 15:33 version.bat
-rwxr-x--- 1 root root 1908 Feb 27 15:33 version.sh
[root@ip-172-31-39-180 bin]# ./startup.sh
Using CATALINA_BASE: /opt/tomcat
Using CATALINA_HOME: /opt/tomcat
Using CATALINA_TMPDIR: /opt/tomcat/temp
Using JRE_HOME: /usr
Using CLASSPATH: /opt/tomcat/bin/bootstrap.jar:/opt/tomcat/bin/tomcat-juli.jar
Using CATALINA_OPTS:
Tomcat started.
[root@ip-172-31-39-180 bin]#

```

i-0fcdd59a824372e5e (tomcat_server)

PublicIPs: 3.19.26.128 PrivateIPs: 172.31.39.180

← → ⌂ Not secure | 3.19.26.128:8080

Home Documentation Configuration Examples Wiki Mailing Lists

Find Help

Apache Tomcat/9.0.7



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 9.0 access to the manager application is split between different users.
[Read more...](#)

Documentation

[Tomcat 9.0 Documentation](#)

[Tomcat 9.0 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

```

aws Services Search [Alt+S] Ohio Bhanu
[root@ip-172-31-39-180 bin]# chmod +x /opt/tomcat/bin/startup.sh
[root@ip-172-31-39-180 bin]# chmod +x /opt/tomcat/bin/shutdown.sh
[root@ip-172-31-39-180 bin]# ls -la
total 900
drwxr-x--- 2 root root 4096 Apr 11 14:30 .
drwxr-xr-x 9 root root 220 Apr 11 14:29 ..
-rw-r----- 1 root root 35213 Feb 27 15:33 bootstrap.jar
-rw-r----- 1 root root 16840 Feb 27 15:33 catalina.bat
-rwxr-x--- 1 root root 25294 Feb 27 15:33 catalina.sh
-rw-r----- 1 root root 1664 Feb 27 15:33 catalina-tasks.xml
-rw-r----- 1 root root 2123 Feb 27 15:33 ciphers.bat
-rwxr-x--- 1 root root 1664 Feb 27 15:33 ciphers.sh
-rw-r----- 1 root root 25765 Feb 27 15:33 commons-daemon.jar
-rw-r----- 1 root root 214019 Feb 27 15:33 commons-daemon-native.tar.gz
-rw-r----- 1 root root 2040 Feb 27 15:33 configtest.bat
-rwxr-x--- 1 root root 1922 Feb 27 15:33 configtest.sh
-rwxr-x--- 1 root root 9100 Feb 27 15:33 daemon.sh
-rw-r----- 1 root root 2091 Feb 27 15:33 digest.bat
-rwxr-x--- 1 root root 1965 Feb 27 15:33 digest.sh
-rw-r----- 1 root root 3606 Feb 27 15:33 makebase.bat
-rwxr-x--- 1 root root 3382 Feb 27 15:33 makebase.sh
-rw-r----- 1 root root 3460 Feb 27 15:33 setclasspath.bat
-rwxr-x--- 1 root root 3708 Feb 27 15:33 setclasspath.sh
-rw-r----- 1 root root 2020 Feb 27 15:33 shutdown.bat
-rwxr-x--- 1 root root 1902 Feb 27 15:33 shutdown.sh
-rw-r----- 1 root root 2022 Feb 27 15:33 startup.bat
-rwxr-x--- 1 root root 1904 Feb 27 15:33 startup.sh
-rw-r----- 1 root root 48971 Feb 27 15:33 tomcat-juli.jar
-rw-r----- 1 root root 437622 Feb 27 15:33 tomcat-native.tar.gz
-rw-r----- 1 root root 4574 Feb 27 15:33 tool-wrapper.bat

```

i-Ofcdd59a824372e5e (tomcat_server)
PublicIPs: 3.19.26.128 PrivateIPs: 172.31.39.180

```

aws Services Search [Alt+S] Ohio Bhanu
-rwxr-x--- 1 root root 1908 Feb 27 15:33 version.sh
[root@ip-172-31-39-180 bin]# chmod +x /opt/tomcat/bin/startup.sh
[root@ip-172-31-39-180 bin]# ls -la
total 900
drwxr-x--- 2 root root 4096 Apr 11 14:30 .
drwxr-xr-x 9 root root 220 Apr 11 14:29 ..
-rw-r----- 1 root root 35213 Feb 27 15:33 bootstrap.jar
-rw-r----- 1 root root 16840 Feb 27 15:33 catalina.bat
-rwxr-x--- 1 root root 25294 Feb 27 15:33 catalina.sh
-rw-r----- 1 root root 1664 Feb 27 15:33 catalina-tasks.xml
-rw-r----- 1 root root 2123 Feb 27 15:33 ciphers.bat
-rwxr-x--- 1 root root 1664 Feb 27 15:33 ciphers.sh
-rw-r----- 1 root root 25765 Feb 27 15:33 commons-daemon.jar
-rw-r----- 1 root root 214019 Feb 27 15:33 commons-daemon-native.tar.gz
-rw-r----- 1 root root 2040 Feb 27 15:33 configtest.bat
-rwxr-x--- 1 root root 1922 Feb 27 15:33 configtest.sh
-rwxr-x--- 1 root root 9100 Feb 27 15:33 daemon.sh
-rw-r----- 1 root root 2091 Feb 27 15:33 digest.bat
-rwxr-x--- 1 root root 1965 Feb 27 15:33 digest.sh
-rw-r----- 1 root root 3606 Feb 27 15:33 makebase.bat
-rwxr-x--- 1 root root 3382 Feb 27 15:33 makebase.sh
-rw-r----- 1 root root 3460 Feb 27 15:33 setclasspath.bat
-rwxr-x--- 1 root root 3708 Feb 27 15:33 setclasspath.sh
-rw-r----- 1 root root 2020 Feb 27 15:33 shutdown.bat
-rwxr-x--- 1 root root 1902 Feb 27 15:33 shutdown.sh
-rw-r----- 1 root root 2022 Feb 27 15:33 startup.bat
-rwxr-x--- 1 root root 1904 Feb 27 15:33 startup.sh
-rw-r----- 1 root root 48971 Feb 27 15:33 tomcat-juli.jar
-rw-r----- 1 root root 437622 Feb 27 15:33 tomcat-native.tar.gz
-rw-r----- 1 root root 4574 Feb 27 15:33 tool-wrapper.bat

```

i-Ofcdd59a824372e5e (tomcat_server)
PublicIPs: 3.19.26.128 PrivateIPs: 172.31.39.180

```

[root@ip-172-31-39-180 bin]# in -s /opt/tomcat/bin/startup.sh /usr/local/bin/tomcatup
[root@ip-172-31-39-180 bin]# in -s /opt/tomcat/bin/startup.sh /usr/local/bin/tomcatdown
[root@ip-172-31-39-180 bin]# cd ..
[root@ip-172-31-39-180 tomcat]# tomcatup
Using CATALINA_BASE: /opt/tomcat
Using CATALINA_HOME: /opt/tomcat
Using CATALINA_TMPDIR: /opt/tomcat/temp
Using JRE_HOME: /usr
Using CLASSPATH: /opt/tomcat/bin/bootstrap.jar:/opt/tomcat/bin/tomcat-juli.jar
Using CATALINA_OPTS:
tomcat started.
[root@ip-172-31-39-180 tomcat]#

```

i-Ofcdd59a824372e5e (tomcat_server)
PublicIPs: 3.19.26.128 PrivateIPs: 172.31.39.180

```

[root@ip-172-31-39-180 tomcat]# ls -la
total 128
drwxr-xr-x 9 root root 220 Apr 11 14:29 .
drwxr-xr-x 5 root root 115 Apr 11 15:00 ..
drwxr-x--- 2 root root 4096 Apr 11 14:30 bin
-rw-r----- 1 root root 19992 Feb 27 15:33 BUILDING.txt
drwxr-x--- 3 root root 254 Apr 11 14:30 conf
-rw-r----- 1 root root 6210 Feb 27 15:33 CONTRIBUTING.md
drwxr-x--- 2 root root 4096 Apr 11 14:29 lib
-rw-r----- 1 root root 57098 Feb 27 15:33 LICENSE
drwxr-x--- 2 root root 197 Apr 11 14:30 logs
drwxr-x--- 1 root root 2331 Feb 27 15:33 NOTICE
-rw-r----- 1 root root 3394 Feb 27 15:33 README.md
-rw-r----- 1 root root 6901 Feb 27 15:33 RELEASE-NOTES
-rw-r----- 1 root root 16505 Feb 27 15:33 RUNNING.txt
drwxr-x--- 2 root root 30 Apr 11 15:09 temp
drwxr-x--- 2 root root 61 Feb 27 15:33 webapps
drwxr-x--- 3 root root 22 Apr 11 14:30 work
[root@ip-172-31-39-180 tomcat]# find / -name context.xml
/opt/tomcat/conf/context.xml
/opt/tomcat/webapps/docs/META-INF/context.xml
/opt/tomcat/webapps/examples/META-INF/context.xml
/opt/tomcat/webapps/host-manager/META-INF/context.xml
/opt/tomcat/webapps/manager/META-INF/context.xml
[root@ip-172-31-39-180 tomcat]#

```

i-Ofcdd59a824372e5e (tomcat_server)
PublicIPs: 3.19.26.128 PrivateIPs: 172.31.39.180

```
[root@ip-172-31-39-180 tomcat]# vi /opt/tomcat/webapps/host-manager/META-INF/context.xml
i-Ofcdd59a824372e5e (tomcat_server)
PublicIPs: 3.19.26.128 PrivateIPs: 172.31.39.180
```

```
aws Services Search [Alt+S]
<?xml version="1.0" encoding="UTF-8"?>
<!--
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contributor license agreements. See the NOTICE file distributed with
this work for additional information regarding copyright ownership.
The ASF licenses this file to You under the Apache License, Version 2.0
(the "License"); you may not use this file except in compliance with
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Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.
-->
<Context antiResourceLocking="false" privileged="true" >
<CookieProcessor className="org.apache.tomcat.util.http.Rfc6265CookieProcessor"
    sameSiteCookies="strict" />
<!-- <Valve className="org.apache.catalina.valves.RemoteAddrValve"
allow="127\.\d+\.\d+\.\d+|:10\.:0\.:0\.:0\.:1" /> -->
<Manager sessionAttributeValueClassNameFilter="java.lang.(?>Boolean|Integer|Long|Number|String)|org.apache.catalina.filters.CsrfPreventionFilter\$LruCache(?:\$1)?|java.util.(?>Lin
kedHashMap)">
</Context>
<
<
<
<
-- INSERT --
i-Ofcdd59a824372e5e (tomcat_server)
PublicIPs: 3.19.26.128 PrivateIPs: 172.31.39.180
```

```
[root@ip-172-31-39-180 tomcat]# vi /opt/tomcat/webapps/manager/META-INF/context.xml
i-Ofcdd59a824372e5e (tomcat_server)
PublicIPs: 3.19.26.128 PrivateIPs: 172.31.39.180
```

```
aws Services Search [Alt+S]
<?xml version="1.0" encoding="UTF-8"?>
<!--
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contributor license agreements. See the NOTICE file distributed with
this work for additional information regarding copyright ownership.
The ASF licenses this file to You under the Apache License, Version 2.0
(the "License"); you may not use this file except in compliance with
the License. You may obtain a copy of the License at
http://www.apache.org/licenses/LICENSE-2.0

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distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.
-->
<Context antiResourceLocking="false" privileged="true" >
<CookieProcessor className="org.apache.tomcat.util.http.Rfc6265CookieProcessor"
    sameSiteCookies="strict" />
<!-- <Valve className="org.apache.catalina.valves.RemoteAddrValve"
allow="127\.\d+\.\d+\.\d+|:10\.:0\.:0\.:0\.:1" /> -->
<Manager sessionAttributeValueClassNameFilter="java.lang.(?>Boolean|Integer|Long|Number|String)|org.apache.catalina.filters.CsrfPreventionFilter\$LruCache(?:\$1)?|java.util.(?>Lin
kedHashMap)">
</Context>
<
<
<
<
-- INSERT --
i-Ofcdd59a824372e5e (tomcat_server)
PublicIPs: 3.19.26.128 PrivateIPs: 172.31.39.180
```

```
[root@ip-172-31-39-180 tomcat]# cd conf/
[root@ip-172-31-39-180 conf]# ls -la
total 232
drwx----- 3 root root 254 Apr 11 14:30 .
drwxr-xr-x 9 root root 220 Apr 11 14:29 ..
drwxr-x--- 3 root root 23 Apr 11 14:30 Catalina
-rw----- 1 root root 12953 Feb 27 15:33 catalina.policy
-rw----- 1 root root 7630 Feb 27 15:33 catalina.properties
-rw----- 1 root root 1400 Feb 27 15:33 context.xml
-rw----- 1 root root 1177 Feb 27 15:33 jaspic-providers.xml
-rw----- 1 root root 2313 Feb 27 15:33 jaspic-providers.xsd
-rw----- 1 root root 4144 Feb 27 15:33 localizing.properties
-rw----- 1 root root 7580 Feb 27 15:33 services
-rw----- 1 root root 2756 Feb 27 15:33 tomcat-users.xml
-rw----- 1 root root 2558 Feb 27 15:33 tomcat-users.xsd
-rw----- 1 root root 172599 Feb 27 15:33 web.xml
[root@ip-172-31-39-180 conf]# vi tomcat-users.xml
i-Ofcdd59a824372e5e (tomcat_server)
PublicIPs: 3.19.26.128 PrivateIPs: 172.31.39.180
```

aws Services Search [Alt+S]

```

- manager-jmx - allows access to the JMX proxy and the status pages
- manager-status - allows access to the status pages only

The users below are wrapped in a comment and are therefore ignored. If you
wish to configure one or more of these users for use with the manager web
application, do not forget to remove the <...> that surrounds them. You
will also need to set the passwords to something appropriate.
-->
<!--
<user username="admin" password="" roles="manager-gui"/>
<user username="robot" password="" roles="manager-script"/>
-->
<!--

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-gui"/>
<role rolename="manager-script"/>
<role rolename="manager-jmx"/>
<role rolename="manager-status"/>
<user username="admin" password="admin" roles="manager-gui,manager-script,manager-jmx,manager-status"/>
<user username="deployer" password="deployer" roles="manager-script"/>
<user username="tomcat" password="secret" roles="manager-gui"/>

</tomcat-users>
-- INSERT --

```

i-0fcdd59a824372e5e (tomcat_server)

PublicIPs: 3.19.26.128 PrivateIPs: 172.31.39.180

58,16 Bot

Not secure | 3.19.26.128:8080/manager/html



The APACHE[®]
SOFTWARE FOUNDATION

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
/host-manager	None specified	Tomcat Host Manager Application	true	0	Start Stop Reload Undeploy Expire sessions with idle ≥ 30 minutes

Not secure | 3.20.221.63:8080/manage/



Jenkins

Search (CTRL+K) ?

Dashboard > Manage Jenkins

New Item

People

Build History

Project Relationship

Check File Fingerprint

Manage Jenkins

My Views

Build Queue

No builds in the queue.

Build Executor Status

1 Idle
2 Idle

System Configuration

Configure System

Global Tool Configuration

Manage Plugins

Manage Nodes and Clouds

Jenkins

Dashboard > Manage Jenkins > Plugin Manager

Plugins

Updates

Available plugins

Installed plugins

Advanced settings

Download progress

Search: deploy

Install	Name	Released
<input checked="" type="checkbox"/>	Deploy to container 1.16 Artifact Uploader	2 yr 5 mo ago
<input type="checkbox"/>	Docker Pipeline 563.vd5d2e5c4007f pipeline DevOps Deployment docker	4 mo 10 days ago
<input type="checkbox"/>	Artifactory 3.18.1 pipeline	

[Install without restart](#) [Download now and Install after restart](#) Update information obtained: 9 hr 53 min ago [Check now](#)

Jenkins

Dashboard > admin

admin

People

Status

Builds

Configure

My Views

Credentials

Jenkins User ID: admin

Builds

Configure

My Views

Credentials

Add description

Not secure | 3.20.221.63:8080/manage/credentials/store/system/

Jenkins

Dashboard > Manage Jenkins > Credentials > System

System

+ Add domain

Domain	Description
Global credentials (unrestricted)	Credentials that should be available irrespective of domain specification to requirements matching.

Icon: S M L

Jenkins

Dashboard > Manage Jenkins > Credentials > System > Global credentials (unrestricted) >

Global credentials (unrestricted)

+ Add Credentials

Credentials that should be available irrespective of domain specification to requirements matching.

ID	Name	Kind	Description
This credential domain is empty. How about adding some credentials?			

Icon: S M L

Dashboard > Manage Jenkins > Credentials > System > Global credentials (unrestricted) >

New credentials

Kind: Username with password

Scope: Global (Jenkins, nodes, items, all child items, etc)

Username: deployer

Treat username as secret

Password:

ID: tomcat_deployer

Description:

Create

Not secure | 3.20.221.63:8080/view/all/newJob

Jenkins

Search (CTRL+K)

admin log out

Dashboard > All >

Enter an item name

OurFirstDeploymentOntomcat 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.

Maven project
Build a maven project. Jenkins takes advantage of your POM files and drastically reduces the configuration.

If you want to create a new item from other existing, you can use this option:

Copy from

OK

Not secure | 3.20.221.63:8080/job/OurFirstDeploymentOntomcat/configure

Jenkins

Search (CTRL+K)

admin log out

Dashboard > OurFirstDeploymentOntomcat > Configuration

Configure

General

Enabled

General

- Source Code Management
- Build Triggers
- Build Environment
- Pre Steps
- Build
- Post Steps
- Build Settings
- Post-build Actions

Description: Our first deployment on tomcat

[Plain text] [Preview](#)

Discard old builds

GitHub project

This project is parameterized

Execute concurrent builds if necessary

Advanced

Source Code Management

Not secure | 3.20.221.63:8080/job/OurFirstDeploymentOntomcat/configure

Dashboard > OurFirstDeploymentOntomcat > Configuration

Configure

Source Code Management

General

Source Code Management

Build Triggers

Build Environment

Pre Steps

Build

Post Steps

Build Settings

Post-build Actions

None

Git

Repositories

Repository URL: https://github.com/jhamandeep/hello-world

Credentials: - none -

Add

Advanced

Add Repository

Branches to build

Not secure | 3.20.221.63:8080/job/OurFirstDeploymentOntomcat/configure

Dashboard > OurFirstDeploymentOntomcat > Configuration

Configure

General

Source Code Management

Build Triggers

Build Environment

Pre Steps

Build

Post Steps

Build Settings

Post-build Actions

Branches to build

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

Add Branch

Repository browser: (Auto)

Additional Behaviours

Add

Build Triggers

Build whenever a SNAPSHOT dependency is built

Schedule build when some upstream has no successful builds

Trigger builds remotely (e.g., from scripts)

Not secure | 3.20.221.63:8080/job/OurFirstDeploymentOntomcat/configure

Dashboard > OurFirstDeploymentOntomcat > Configuration

Configure

Post-build Actions

General

Source Code Management

Build Triggers

Build Environment

Pre Steps

Build

Post Steps

Build Settings

Post-build Actions

Deploy war/ear to a container

WAR/EAR files: **/*.war

Context path:

Containers

Tomcat 8.x Remote

Credentials: deployer/******** (this is manager)

Add

Tomcat URL: http://3.19.26.128:8080

Not secure | 3.20.221.63:8080/job/OurFirstDeploymentOntomcat/configure

Dashboard > OurFirstDeploymentOntomcat > Configuration

Configure

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

Tomcat 8.x Remote

Credentials: deployer/******** (this is manager)

Add

Tomcat URL: http://3.19.26.128:8080

Advanced

Add Container

Deploy on failure

Add post-build action

Save Apply

Not secure | 3.20.221.63:8080/job/OurFirstDeploymentOntomcat/1/console

Jenkins

Search (CTRL+K) admin log out

Dashboard > OurFirstDeploymentOntomcat > #1 > Console Output

Console Output

Status Changes

Console Output

View as plain text

Edit Build Information

Delete build #1

Git Build Data

Redeploy Artifacts

Test Result

See Fingerprints

```

Started by user admin
Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/OurFirstDeploymentOntomcat
The recommended git tool is: NONE
No credentials specified
Cloning the remote Git repository
Cloning repository https://github.com/jhamandeep/hello-world
> git init /var/lib/jenkins/workspace/OurFirstDeploymentOntomcat # timeout=10
> git --version # timeout=10
> git --version # 'git' version 2.39.2'
> git fetch --tags --force --progress -- https://github.com/jhamandeep/hello-world +refs/heads/*:refs/remotes/origin/* # timeout=10
> git config remote.origin.url https://github.com/jhamandeep/hello-world # timeout=10
> git config --add remote.origin.fetch +refs/heads/*:refs/remotes/origin/* # timeout=10
Avoid second fetch
> git rev-parse refs/remotes/origin/master^{commit} # timeout=10
Checking out Revision 728ca7f57ce431bde0b9cdf0d5cf0206cc0328d4 (refs/remotes/origin/master)
> git config core.sparsecheckout # timeout=10
> git checkout -f 728ca7f57ce431bde0b9cdf0d5cf0206cc0328d4 # timeout=10
Commit message: "changes"
First time build. Skipping changelog.
Parsing POMs
Discovered a new module com.example.maven-project:maven-project Maven Project
Discovered a new module com.example.maven-project:server Server

```

Not secure | 3.19.26.128:8080/manager/html

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 <input type="button" value="Expire sessions with idle ≥ 30 minutes"/>
/docs	None specified	Tomcat Documentation	true	0	Start Stop Reload Undeploy <input type="button" value="Expire sessions with idle ≥ 30 minutes"/>
/examples	None specified	Servlet and JSP Examples	true	0	Start Stop Reload Undeploy <input type="button" value="Expire sessions with idle ≥ 30 minutes"/>
/host-manager	None specified	Tomcat Host Manager Application	true	0	Start Stop Reload Undeploy <input type="button" value="Expire sessions with idle ≥ 30 minutes"/>
/manager	None specified	Tomcat Manager Application	true	1	Start Stop Reload Undeploy <input type="button" value="Expire sessions with idle ≥ 30 minutes"/>
/webapp	None specified	Webapp	true	0	Start Stop Reload Undeploy <input type="button" value="Expire sessions with idle ≥ 30 minutes"/>
Deploy					
Deploy directory or WAR file located on server					

Cloud Architect

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What is a Cloud Architect?

A Cloud Architect is responsible for the design, planning, and implementation of cloud-based solutions that meet business and technical requirements. They work with developers, engineers, and stakeholders to identify and implement cloud solutions that improve scalability, reliability, and security.

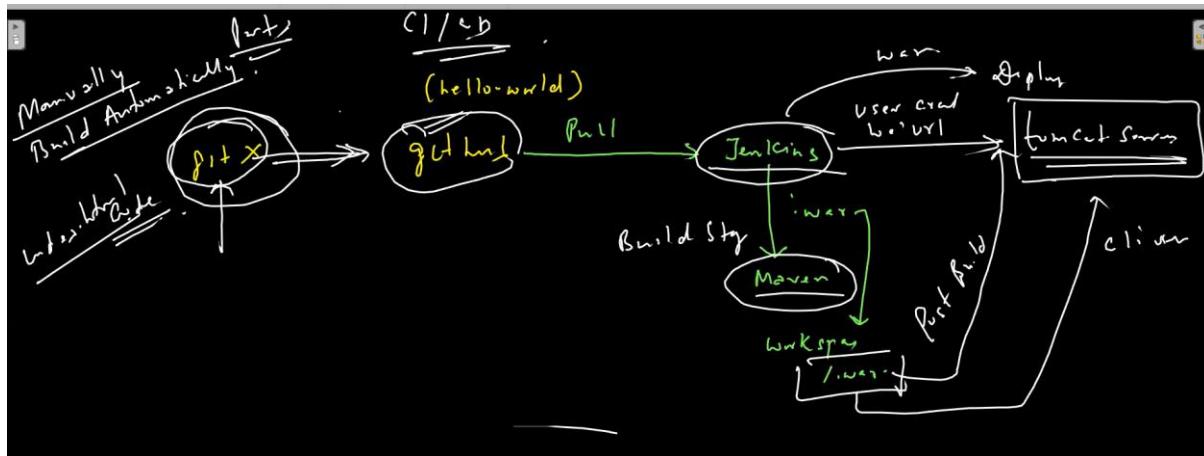
Services

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- [Cloud Infrastructure Design and Implementation](#)
- [Cloud Migration and Optimization](#)
- [Cloud Security and Compliance](#)

Blog

- [5 Key Benefits of Cloud Computing](#)
- [How to Plan Your Cloud Migration](#)
- [The Importance of Cloud Security](#)

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```

MINGW64:/c/Users/DELL/downloads/dev1/hello-world/webapp/src/main/webapp
$ cd downloads
$ cd dev1
$ cd hello-world
$ ls -la
total 196
drwxr-xr-x 1 Bhanu 197121 0 Apr 11 21:48 .
drwxr-xr-x 1 Bhanu 197121 0 Apr 11 21:48 ..
drwxr-xr-x 1 Bhanu 197121 0 Apr 11 21:48 hello-world/
$ cd hello-world
$ ls -la
total 20
drwxr-xr-x 1 Bhanu 197121 0 Apr 11 21:48 .
drwxr-xr-x 1 Bhanu 197121 0 Apr 11 21:48 ..
drwxr-xr-x 1 Bhanu 197121 0 Apr 11 21:48 Dockerfile
-rw-r--r-- 1 Bhanu 197121 134 Apr 11 21:48 .git/
-rw-r--r-- 1 Bhanu 197121 2 Apr 11 21:48 README.md
-rw-r--r-- 1 Bhanu 197121 6560 Apr 11 21:48 pom.xml
-rw-r--r-- 1 Bhanu 197121 507 Apr 11 21:48 regapp-deploy.yml
-rw-r--r-- 1 Bhanu 197121 209 Apr 11 21:48 regapp-service.yml
drwxr-xr-x 1 Bhanu 197121 0 Apr 11 21:48 server/
drwxr-xr-x 1 Bhanu 197121 0 Apr 11 21:48 webapp/
$ cd webapp/src/main/webapp
  
```

```
MINGW64:/c/Users/DELL/downloads/dev1/hello-world/webapp/src/main/webapp
<!DOCTYPE html>
<html>
<head>
    <title>DevOps Page</title>
</head>
<body>
    <h1>Welcome to our DevOps Page</h1>
    <p>This is a sample page for DevOps practice.</p>
    <ul>
        <li>Continuous Integration</li>
        <li>Continuous Delivery</li>
        <li>Automated Testing</li>
        <li>Infrastructure as Code</li>
        <li>Configuration Management</li>
        <li>Deployment Automation</li>
        <li>Monitoring and Logging</li>
    </ul>
    <p>Thanks for visiting!</p>
</body>
</html>
~
```

```
Bhanu@DESKTOP-SA605DI MINGW64 ~/downloads/dev1/hello-world/webapp/src/main/webapp
$ vi index.jsp

Bhanu@DESKTOP-SA605DI MINGW64 ~/downloads/dev1/hello-world/webapp/src/main/webapp (master)
$ cat index.jsp
<!DOCTYPE html>
<html>
<head>
    <title>DevOps Page</title>
</head>
<body>
    <h1>Welcome to our DevOps Page</h1>
    <p>This is a sample page for DevOps practice.</p>
    <ul>
        <li>Continuous Integration</li>
        <li>Continuous Delivery</li>
        <li>Automated Testing</li>
        <li>Infrastructure as Code</li>
        <li>Configuration Management</li>
        <li>Deployment Automation</li>
        <li>Monitoring and Logging</li>
    </ul>
    <p>Thanks for visiting!</p>
</body>
</html>

Bhanu@DESKTOP-SA605DI MINGW64 ~/downloads/dev1/hello-world/webapp/src/main/webapp (master)
$
```

```

MINGW64:/c/Users/DELL/downloads/dev1/hello-world/webapp/src/main/webapp
<p>Thanks for visiting!</p>
</body>
</html>

Bhanu@DESKTOP-SA605DI MINGW64 ~/downloads/dev1/hello-world/webapp/src/main/webapp (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
    (use "git restore <file>..." to discard changes in working directory)
      modified:   index.jsp

no changes added to commit (use "git add" and/or "git commit -a")

Bhanu@DESKTOP-SA605DI MINGW64 ~/downloads/dev1/hello-world/webapp/src/main/webapp (master)
$ git add .
Bhanu@DESKTOP-SA605DI MINGW64 ~/downloads/dev1/hello-world/webapp/src/main/webapp (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    modified:   index.jsp

Bhanu@DESKTOP-SA605DI MINGW64 ~/downloads/dev1/hello-world/webapp/src/main/webapp (master)
$ git commit -m "changed index.jsp"
[master ea299ec] changed index.jsp
 1 file changed, 20 insertions(+), 36 deletions(-)

Bhanu@DESKTOP-SA605DI MINGW64 ~/downloads/dev1/hello-world/webapp/src/main/webapp (master)
$ git push origin master
Enumerating objects: 13, done.
Counting objects: 100% (13/13), done.
Delta compression using up to 4 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (7/7), 748 bytes | 374.00 KiB/s, done.
Total 7 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/kondibhanu9/hello-world.git
 b45be11..ea299ec master -> master

Bhanu@DESKTOP-SA605DI MINGW64 ~/downloads/dev1/hello-world/webapp/src/main/webapp (master)
$ |

```

```

github.com/kondibhanu9/hello-world/blob/master/webapp/src/main/webapp/index.jsp
kondibhanu9 changed index.jsp
Latest commit ea299ec 1 minute ago History

21 lines (20 sloc) | 511 Bytes
Raw Blame Edit Download

1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title>DevOps Page</title>
5  </head>
6  <body>
7      <h1>Welcome to our DevOps Page</h1>
8      <p>This is a sample page for DevOps practice.</p>
9      <ul>
10         <li>Continuous Integration</li>
11         <li>Continuous Delivery</li>
12         <li>Automated Testing</li>
13         <li>Infrastructure as Code</li>
14         <li>Configuration Management</li>
15         <li>Deployment Automation</li>
16         <li>Monitoring and Logging</li>
17     </ul>
18     <p>Thanks for visiting!</p>
19 </body>
20 </html>
21

```

Build the tomcat again

← → ⌂ Not secure | 3.20.221.63:8080/job/OurFirstDeploymentOntomcat/2/

Jenkins

Dashboard > OurFirstDeploymentOntomcat > #2

Build #2 (Apr 11, 2023, 4:27:40 PM)

Status: ✓ Build successful

Changes:

- </> 1. Update index.jsp ([details](#) / [githubweb](#))
- </> 2. Update index.jsp ([details](#) / [githubweb](#))

Started by user **admin**

git

Revision: 9e66ee1828ff23252b16398cc0e8147cc466b262
 Repository: <https://github.com/jhamandeep/hello-world>
 refs/remotes/origin/master

Test Result (no failures)

Module Builds

Maven Project	Time
Server	7 sec
Webapp	2.3 sec
Maven Project	1.7 sec

Keep this build forever

Started 31 sec ago
 Took 24 sec

Add description

← → ⌂ Not secure | 3.20.221.63:8080/job/OurFirstDeploymentOntomcat/2/console

Jenkins

Dashboard > OurFirstDeploymentOntomcat > #2 > Console Output

Console Output

Started by user **admin**

```
Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/OurFirstDeploymentOntomcat
The recommended git tool is: NONE
No credentials specified
> git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/OurFirstDeploymentOntomcat/.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/jhamandeep/hello-world # timeout=10
Fetching upstream changes from https://github.com/jhamandeep/hello-world
> git --version # timeout=10
> git --version # "git version 2.39.2"
> git fetch -t --tags --progress -- https://github.com/jhamandeep/hello-world +refs/heads/*:refs/remotes/origin/* # timeout=10
> git rev-parse refs/remotes/origin/master{commit} # timeout=10
Checking out Revision 9e66ee1828ff23252b16398cc0e8147cc466b262 (refs/remotes/origin/master)
> git config core.sparsecheckout # timeout=10
> git checkout -f 9e66ee1828ff23252b16398cc0e8147cc466b262 # timeout=10
Commit message: "Update index.jsp"
> git rev-list --no-walk 720ca7f57ce431bde0b9cdf0d5cf0206cc0328d4 # timeout=10
Parsing POMs
Established TCP socket on 36225
[OurFirstDeploymentOntomcat] $ java -cp /var/lib/jenkins/plugins/maven-plugin/WEB-INF/lib/maven3-agent-1.14.jar:/opt/maven/boot/plexus-classworlds-2.6.0.jar:/opt/maven/conf/logging jenkins.maven3.agent.Maven35Main /opt/maven /var/lib/jenkins/WEB-INF/lib/remoting-3.107.v6650000b_51092.jar /var/lib/jenkins/plugins/maven-plugin/WEB-INF/lib/maven3-interceptor-1.14.jar /var/lib/jenkins/plugins/maven-plugin/WEB-INF/lib/maven3-interceptor-commons-1.14.jar org.jvnet.hudson.maven3.agent.Maven35Main
[OurFirstDeploymentOntomcat] $
```

← → ⌂ Not secure | 3.20.221.63:8080/job/OurFirstDeploymentOntomcat/2/console

Jenkins

Dashboard > OurFirstDeploymentOntomcat > #2 > Console Output

```
[INFO] Server ..... SUCCESS [ 0.049 s]
[INFO] Webapp ..... SUCCESS [ 2.024 s]
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 12.292 s
[INFO] Finished at: 2023-04-11T16:28:03Z
[INFO] -----
Waiting for Jenkins to finish collecting data
[JENKINS] Archiving /var/lib/jenkins/workspace/OurFirstDeploymentOntomcat/webapp/pom.xml to com.example.maven-project/webapp/1.0-SNAPSHOT/webapp-1.0-SNAPSHOT.pom
[JENKINS] Archiving /var/lib/jenkins/workspace/OurFirstDeploymentOntomcat/webapp/target/webapp.war to com.example.maven-project/webapp/1.0-SNAPSHOT/webapp-1.0-SNAPSHOT.war
[JENKINS] Archiving /var/lib/jenkins/workspace/OurFirstDeploymentOntomcat/server/pom.xml to com.example.maven-project/server/1.0-SNAPSHOT/server-1.0-SNAPSHOT.pom
[JENKINS] Archiving /var/lib/jenkins/workspace/OurFirstDeploymentOntomcat/server/target/server.jar to com.example.maven-project/server/1.0-SNAPSHOT/server-1.0-SNAPSHOT.jar
[JENKINS] Archiving /var/lib/jenkins/workspace/OurFirstDeploymentOntomcat/pom.xml to com.example.maven-project/maven-project/1.0-SNAPSHOT/maven-project-1.0-SNAPSHOT.pom
channel stopped
[DeployPublisher][INFO] Attempting to deploy 1 war file(s)
[DeployPublisher][INFO] Deploying /var/lib/jenkins/workspace/OurFirstDeploymentOntomcat/webapp/target/webapp.war to container Tomcat 8.x Remote with context null
  Redeploying [/var/lib/jenkins/workspace/OurFirstDeploymentOntomcat/webapp/target/webapp.war]
  Undeploying [/var/lib/jenkins/workspace/OurFirstDeploymentOntomcat/webapp/target/webapp.war]
  Deploying [/var/lib/jenkins/workspace/OurFirstDeploymentOntomcat/webapp/target/webapp.war]
Finished: SUCCESS
```

Jenkins

Dashboard > All >

Enter an item name

ourSeconddeploymentOntomcat » 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.

Maven project
Build a maven project. Jenkins takes advantage of your POM files and drastically reduces the configuration.

If you want to create a new item from other existing, you can use this option:

Copy from
Type to autocomplete

OK

Not secure | 3.20.221.63:8080/job/ourSeconddeploymentOntomcat/configure

Jenkins

Dashboard > ourSeconddeploymentOntomcat > Configuration

Configure

General

Enabled

Description
This is our second deployment on tomcat

Source Code Management

None

Git ?

Repositories ?

Repository URL ?

Credentials ?

Add

Advanced

Add Repository

Not secure | 3.20.221.63:8080/job/ourSeconddeploymentOntomcat/configure

Jenkins

Dashboard > ourSeconddeploymentOntomcat > Configuration

Configure

Source Code Management

None

Git ?

Repositories ?

Repository URL ?

Credentials ?

Add

Advanced

Add Repository

Branches to build ?

Not secure | 3.20.221.63:8080/job/ourSeconddeploymentOntomcat/configure

Dashboard > ourSeconddeploymentOntomcat > Configuration

Configure

General

Source Code Management

Build Triggers

Build Environment

Pre Steps

Build

Post Steps

Build Settings

Post-build Actions

Add Advanced Add Repository

Branches to build

Branch Specifier (blank for 'any')

Add Branch

Repository browser

Additional Behaviours

Add

Not secure | 3.20.221.63:8080/job/ourSeconddeploymentOntomcat/configure

Dashboard > ourSeconddeploymentOntomcat > Configuration

Configure

General

Source Code Management

Build Triggers

Build Environment

Pre Steps

Build

Post Steps

Build Settings

Post-build Actions

Build Triggers

Build whenever a SNAPSHOT dependency is built

Schedule build when some upstream has no successful builds

Trigger builds remotely (e.g., from scripts)

Build after other projects are built

Build periodically

GitHub hook trigger for GITScm polling

Poll SCM

Build Environment

Use secret text(s) or file(s)

Pre Steps

Add pre-build step

Not secure | 3.20.221.63:8080/job/ourSeconddeploymentOntomcat/configure

Dashboard > ourSeconddeploymentOntomcat > Configuration

Configure

General

Source Code Management

Build Triggers

Build Environment

Pre Steps

Build

Post Steps

Build Settings

Post-build Actions

Root POM

Goals and options

Advanced

Post Steps

Run only if build succeeds

Run only if build succeeds or is unstable

Run regardless of build result

Should the post-build steps run only for successful builds, etc.

Not secure | 3.20.221.63:8080/job/ourSeconddeploymentOntomcat/configure

Dashboard > ourSeconddeploymentOntomcat > Configuration

Configure

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

Deploy war/ear to a container

WAR/EAR files: `**/*.war`

Context path: `.`

Containers

Tomcat 8.x Remote

Credentials: `deployer/******** (this is manager)`

Add

Tomcat URL: `http://3.19.26.128:8080`

Advanced

Not secure | 3.20.221.63:8080/job/ourSeconddeploymentOntomcat/1/console

Jenkins

Search (CTRL+K) admin log out

Dashboard > ourSeconddeploymentOntomcat > #1 > Console Output

Console Output

Status Changes Console Output

View as plain text Edit Build Information Delete build #1 Git Build Data Redeploy Artifacts Test Result See Fingerprints

```

Started by user admin
Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/ourSeconddeploymentOntomcat
The recommended git tool is: NONE
No credentials specified
Cloning the remote Git repository
  > git init /var/lib/jenkins/workspace/ourSeconddeploymentOntomcat # timeout=10
Fetching upstream changes from https://github.com/kondibhanu9/hello-world
  > git --version # timeout=10
  > git -v
  > git fetch --tags --force --progress -- https://github.com/kondibhanu9/hello-world +refs/heads/*:refs/remotes/origin/* # timeout=10
  > git config remote.origin.url https://github.com/kondibhanu9/hello-world # timeout=10
  > git config --add remote.origin.fetch +refs/heads/*:refs/remotes/origin/* # timeout=10
Avoid second fetch
  > git rev-parse refs/remotes/origin/master^{commit} # timeout=10
Checking out Revision ea299ec458c27ebd3b7117a1d2c48df4ef303e01 (refs/remotes/origin/master)
  > git config core.sparsecheckout # timeout=10
  > git checkout -f ea299ec458c27ebd3b7117a1d2c48df4ef303e01 # timeout=10
Commit message: "changed index.jsp"
First time build. Skipping changelog.
Parsing POM...
Discovered a new module com.example.maven-project:maven-project Maven Project

```

Not secure | 3.20.221.63:8080/job/ourSeconddeploymentOntomcat/1/console

Dashboard > ourSeconddeploymentOntomcat > #1 > Console Output

```

[INFO] JENKINS: JENKINS: -----
[INFO] Webapp..... SUCCESS [ 1.893 s]
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 11.269 s
[INFO] Finished at: 2023-04-11T16:41:15Z
[INFO] -----
Waiting for Jenkins to finish collecting data
[JENKINS] Archiving /var/lib/jenkins/workspace/ourSeconddeploymentOntomcat/webapp/pom.xml to com.example.maven-project/webapp/1.0-SNAPSHOT/webapp-1.0-SNAPSHOT.pom
[JENKINS] Archiving /var/lib/jenkins/workspace/ourSeconddeploymentOntomcat/webapp/target/webapp.war to com.example.maven-project/webapp/1.0-SNAPSHOT/webapp-1.0-SNAPSHOT.war
[JENKINS] Archiving /var/lib/jenkins/workspace/ourSeconddeploymentOntomcat/server/pom.xml to com.example.maven-project/server/1.0-SNAPSHOT/server-1.0-SNAPSHOT.pom
[JENKINS] Archiving /var/lib/jenkins/workspace/ourSeconddeploymentOntomcat/server/target/server.jar to com.example.maven-project/server/1.0-SNAPSHOT/server-1.0-SNAPSHOT.jar
[JENKINS] Archiving /var/lib/jenkins/workspace/ourSeconddeploymentOntomcat/pom.xml to com.example.maven-project/maven-project/1.0-SNAPSHOT/maven-project-1.0-SNAPSHOT.pom
channel stopped
[DeployerPublisher][INFO] Attempting to deploy 1 war file(s)
[DeployerPublisher][INFO] Deploying /var/lib/jenkins/workspace/ourSeconddeploymentOntomcat/webapp/target/webapp.war to container Tomcat 8.x Remote with context null
  Redeploying [/var/lib/jenkins/workspace/ourSeconddeploymentOntomcat/webapp/target/webapp.war]
  Undeploying [/var/lib/jenkins/workspace/ourSeconddeploymentOntomcat/webapp/target/webapp.war]
  Deploying [/var/lib/jenkins/workspace/ourSeconddeploymentOntomcat/webapp/target/webapp.war]
Finished: SUCCESS

```

← → ⌘ Not secure | 3.19.26.128:8080

Home Documentation Configuration Examples Wiki Mailing Lists Find Help

Apache Tomcat/9.0.73

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](#) [Realms & AAA](#) [Examples](#) [Servlet Specifications](#)
[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 9.0 access to the manager application is split between different users. [Read more...](#)

Documentation
[Tomcat 9.0 Documentation](#)
[Tomcat 9.0 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
[takiih@user](#)

← → ⌘ Not secure | 3.19.26.128:8080/manager/html

Tomcat Web Application Manager

Message: OK

Manager		HTML Manager Help	Manager Help	Server Status	
List Applications					
Applications					
Path	Version	Display Name	Running	Sessions	Commands
/	None specified	Welcome to Tomcat	true	0	Start Stop Reload Undeploy <input type="button" value="Expire sessions"/> with idle ≥ 30 minutes
/docs	None specified	Tomcat Documentation	true	0	Start Stop Reload Undeploy <input type="button" value="Expire sessions"/> with idle ≥ 30 minutes
/examples	None specified	Servlet and JSP Examples	true	0	Start Stop Reload Undeploy <input type="button" value="Expire sessions"/> with idle ≥ 30 minutes
/host-manager	None specified	Tomcat Host Manager Application	true	0	Start Stop Reload Undeploy <input type="button" value="Expire sessions"/> with idle ≥ 30 minutes
/manager	None specified	Tomcat Manager Application	true	1	Start Stop Reload Undeploy <input type="button" value="Expire sessions"/> with idle ≥ 30 minutes
/webapp	None specified	Webapp	true	0	Start Stop Reload Undeploy <input type="button" value="Expire sessions"/> with idle ≥ 30 minutes

← → ⌘ Not secure | 3.19.26.128:8080/webapp/

Welcome to our DevOps Page

This is a sample page for DevOps practice.

- Continuous Integration
- Continuous Delivery
- Automated Testing
- Infrastructure as Code
- Configuration Management
- Deployment Automation
- Monitoring and Logging

Thanks for visiting!

Build automatically using poll SCM

Not secure | 3.20.221.63:8080/view/all/newJob

Jenkins

Dashboard > All >

Enter an item name

automateDeploymentOnTomcat » 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.

Maven project
Build a maven project. Jenkins takes advantage of your POM files and drastically reduces the configuration.

If you want to create a new item from other existing, you can use this option:

Copy from
ourSecondDeploymentOnTomcat
ourSecondDeploymentOnTomcat

OK

Not secure | 3.20.221.63:8080/job/automateDeploymentOnTomcat/configure

Jenkins

Dashboard > automateDeploymentOnTomcat > Configuration

Configure

- General
- Source Code Management
- Build Triggers
- Build Environment
- Pre Steps
- Build
- Post Steps
- Build Settings
- Post-build Actions

General

Description
This is our second deployment on tomcat

[Plain text] Preview

Discard old builds ?
 GitHub project
 This project is parameterized ?
 Execute concurrent builds if necessary ?

Enabled

Source Code Management

Not secure | 3.20.221.63:8080/job/automateDeploymentOnTomcat/configure

Jenkins

Dashboard > automateDeploymentOnTomcat > Configuration

Configure

- General
- Source Code Management
- Build Triggers
- Build Environment
- Pre Steps
- Build
- Post Steps
- Build Settings
- Post-build Actions

Source Code Management

None
 Git ?

Repositories ?

Repository URL ?
https://github.com/kondibhanu9/hello-world

Credentials ?
- none -

Advanced

Not secure | 3.20.221.63:8080/job/automateDeploymentOnTomcat/configure

Dashboard > automateDeploymentOnTomcat > Configuration

Build Triggers

Configure

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

Build whenever a SNAPSHOT dependency is built ?

Trigger builds remotely (e.g., from scripts) ?

Build after other projects are built ?

Build periodically ?

GitHub hook trigger for GITScm polling ?

Poll SCM ?

Schedule ?

Do you really mean "every minute" when you say "***"? Perhaps you meant "H * * * *" to poll once per hour**
Would last have run at Tuesday, April 11, 2023 at 4:58:35 PM Coordinated Universal Time; would next run at Tuesday, April 11, 2023 at 4:58:35 PM Coordinated Universal Time.

Ignore post-commit hooks ?

Build Environment

Not secure | 3.20.221.63:8080/job/automateDeploymentOnTomcat/configure

Dashboard > automateDeploymentOnTomcat > Configuration

Build

Configure

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

Root POM ?
pom.xml

Goals and options ?
clean install

Advanced ▾

Post Steps

Run only if build succeeds

Run only if build succeeds or is unstable

Run regardless of build result

Should the post-build steps run only for successful builds, etc.

Not secure | 3.20.221.63:8080/job/automateDeploymentOnTomcat/configure

Dashboard > automateDeploymentOnTomcat > Configuration

Post-build Actions

Configure

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

Deploy war/ear to a container

WAR/EAR files ?
**/*.war

Context path ?

Containers

Tomcat 8.x Remote

Credentials
deployer/******** (this is manager)

Add ▾

Tomcat URL ?
http://3.19.26.128:8080

Not secure | 3.20.221.63:8080/job/automateDeploymentOnTomcat/configure

Dashboard > automateDeploymentOnTomcat > Configuration

Configure

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

Tomcat 8.x Remote

Credentials: deployer/******** (this is manager)

Tomcat URL: http://3.19.26.128:8080

Advanced

Add Container

Deploy on failure

Add post-build action

Save Apply

Not secure | 3.20.221.63:8080/job/automateDeploymentOnTomcat/

Jenkins

Dashboard > automateDeploymentOnTomcat >

Maven project automateDeploymentOnTomcat

Status: This is our second deployment on tomcat

Changes: Edit description, Disable Project

Workspace: Build Now, Configure, Delete Maven project, Modules, Git Polling Log, Rename

Build History: trend, #1 (pending—In the quiet period. Expires in 1.7 sec)

Not secure | 3.20.221.63:8080/job/automateDeploymentOnTomcat/1/console

Jenkins

Dashboard > automateDeploymentOnTomcat > #1 > Console Output

Console Output

Status: Started by an SCM change, Running as SYSTEM

Console Output: View as plain text, Edit Build Information, Delete build '#1', Polling Log, Git Build Data, Redeploy Artifacts, Test Result, See Fingerprints

```

Started by an SCM change
Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/automateDeploymentOnTomcat
The recommended git tool is: NONE
No credentials specified
Cloning the remote Git repository
  Cloning repository https://github.com/kondibhanu9/hello-world
    > git init /var/lib/jenkins/workspace/automateDeploymentOnTomcat # timeout=10
Fetching upstream changes from https://github.com/kondibhanu9/hello-world
  > git --version # timeout=10
  > git -v
  > git fetch -t --tags --force --progress -- https://github.com/kondibhanu9/hello-world +refs/heads/*:refs/remotes/origin/* # timeout=10
  > git config core.sparsecheckout # timeout=10
  > git config --add remote.origin.url https://github.com/kondibhanu9/hello-world # timeout=10
  > git config --add remote.origin.fetch +refs/heads/*:refs/remotes/origin/* # timeout=10
Avoid second fetch
  > git rev-parse refs/remotes/origin/master^{commit} # timeout=10
Checking out Revision ea299ec458c27ebd3b7117a1d2c48df4ef303e01 (refs/remotes/origin/master)
  > git config core.sparsecheckout # timeout=10
  > git checkout -f ea299ec458c27ebd3b7117a1d2c48df4ef303e01 # timeout=10
Commit message: "changed index.jsp"
First time build. Skipping changelog.
  Parsing POMs
  Discovered a new module com.example.maven-project:maven-project Maven Project
  Discovered a new module com.example.maven-project:server Server

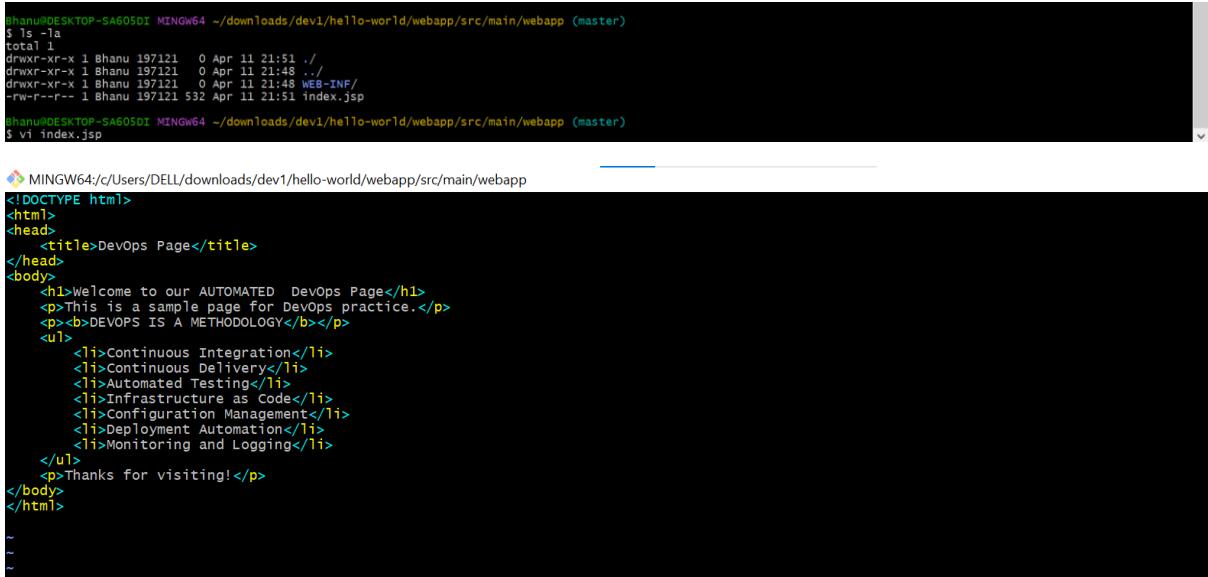
```

Welcome to our DevOps Page

This is a sample page for DevOps practice.

- Continuous Integration
- Continuous Delivery
- Automated Testing
- Infrastructure as Code
- Configuration Management
- Deployment Automation
- Monitoring and Logging

Thanks for visiting!

A screenshot of a terminal window and a code editor side-by-side. The terminal window on the left shows the command line history:

```
shanu@DESKTOP-SA605D1 MINGW64 ~/Downloads/dev1/hello-world/webapp/src/main/webapp (master)
$ ls -la
total 1
drwxr-xr-x 1 shanu 197121 0 Apr 11 21:51 .
drwxr-xr-x 1 shanu 197121 0 Apr 11 21:48 ..
drwxr-xr-x 1 shanu 197121 0 Apr 11 21:48 WEB-INF/
-rw-r--r-- 1 shanu 197121 532 Apr 11 21:51 index.jsp
$ vi index.jsp
```

The code editor on the right displays the HTML content of the "index.jsp" file:

```
<!DOCTYPE html>
<html>
<head>
<title>DevOps Page</title>
</head>
<body>
<h1>Welcome to our AUTOMATED DevOps Page</h1>
<p>This is a sample page for DevOps practice.</p>
<p><b>DEVOPS IS A METHODOLOGY</b></p>
<ul>
<li>Continuous Integration</li>
<li>Continuous Delivery</li>
<li>Automated Testing</li>
<li>Infrastructure as Code</li>
<li>Configuration Management</li>
<li>Deployment Automation</li>
<li>Monitoring and Logging</li>
</ul>
<p>Thanks for visiting!</p>
</body>
</html>
```

```

MINGW64:/c/Users/DELL/downloads/dev1/hello-world/webapp/src/main/webapp
drwxr-xr-x 1 Bhanu 197121 0 Apr 11 21:48 ..
drwxr-xr-x 1 Bhanu 197121 0 Apr 11 21:48 WEB-INF/
-rw-r--r-- 1 Bhanu 197121 532 Apr 11 21:51 index.jsp

Bhanu@DESKTOP-SA605DI MINGW64 ~/downloads/dev1/hello-world/webapp/src/main/webapp (master)
$ vi index.jsp

Bhanu@DESKTOP-SA605DI MINGW64 ~/downloads/dev1/hello-world/webapp/src/main/webapp (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
    (use "git restore <file>..." to discard changes in working directory)
      modified:   index.jsp

no changes added to commit (use "git add" and/or "git commit -a")

Bhanu@DESKTOP-SA605DI MINGW64 ~/downloads/dev1/hello-world/webapp/src/main/webapp (master)
$ git add .

Bhanu@DESKTOP-SA605DI MINGW64 ~/downloads/dev1/hello-world/webapp/src/main/webapp (master)
$ git commit -m "made few changes to index.jsp"
[master 34c4668] made few changes to index.jsp
 1 file changed, 2 insertions(+), 1 deletion(-)

Bhanu@DESKTOP-SA605DI MINGW64 ~/downloads/dev1/hello-world/webapp/src/main/webapp (master)
$ git status
On branch master
Your branch is ahead of 'origin/master' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean

Bhanu@DESKTOP-SA605DI MINGW64 ~/downloads/dev1/hello-world/webapp/src/main/webapp (master)
$ git push origin master
Enumerating objects: 13, done.
Counting objects: 100% (13/13), done.
Delta compression using up to 4 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (7/7), 578 bytes | 289.00 KiB/s, done.
Total 7 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
To https://github.com/kondibhanu9/hello-world.git
  ea299ec..34c4668 master -> master

Bhanu@DESKTOP-SA605DI MINGW64 ~/downloads/dev1/hello-world/webapp/src/main/webapp (master)
$ |

```

← → ⌂ Not secure | 3.20.221.63:8080/job/automateDeploymentOnTomcat/

Maven project automateDeploymentOnTomcat

This is our second deployment on tomcat

Test Result Trend

Build	Status
#1	Passed
#2	Pending

Build History

Build	Status	Timestamp
#2	(pending—In the quiet period. Expires in 1.6 sec)	Apr 11, 2023, 5:00 PM
#1	Passed	Apr 11, 2023, 5:00 PM

Not secure | 3.20.221.63:8080/job/automateDeploymentOnTomcat/2/console

```

Started by an SCM change
Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/automateDeploymentOnTomcat
The recommended git tool is: NONE
No credentials specified
> git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/automateDeploymentOnTomcat/.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/kondibhanu9/hello-world # timeout=10
Fetching upstream changes from https://github.com/kondibhanu9/hello-world
> git --version # timeout=10
> git --version # 'git version 2.39.2'
> git fetch --tags --force --progress -- https://github.com/kondibhanu9/hello-world +refs/heads/*:refs/remotes/origin/* # timeout=10
> git rev-parse refs/remotes/origin/master^{commit} # timeout=10
Checking out Revision 34c46608500e8182282c6bf2740e7a7002a3b86f (refs/remotes/origin/master)
> git config core.sparsecheckout # timeout=10
> git checkout -f 34c46608500e8182282c6bf2740e7a7002a3b86f # timeout=10
Commit message: "made few changes to index.jsp"
> git rev-list --no-walk ea299ec458c27ebd3b7117a1d2c48df4ef303e01 # timeout=10
Parsing POMs
Established TCP socket on 37931
[automateDeploymentOnTomcat] $ java -cp /var/lib/jenkins/plugins/maven-plugin/WEB-INF/lib/maven35-agent-1.14.jar:/opt/maven/boot/plexus-classworlds-2.6.0.jar:/opt/maven/conf/logging jenkins.maven3.agent.Maven3Main /opt/maven /var/lib/jenkins/WEB-INF/lib/remoting-3.107.v665000b_51092.jar /var/lib/jenkins/plugins/maven-plugin/WEB-INF/lib/maven35-interceptor-1.14.jar /var/lib/jenkins/plugins/maven-plugin/WEB-INF/lib/maven3-interceptor-commons-1.14.jar

```

Not secure | 3.20.221.63:8080/job/automateDeploymentOnTomcat/2/console

```

[INFO] Server ..... SUCCESS [ 0.204 s]
[INFO] Webapp ..... SUCCESS [ 2,093 s]
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 11.243 s
[INFO] Finished at: 2023-04-11T17:04:27Z
[INFO] -----
Waiting for Jenkins to finish collecting data
[JENKINS] Archiving /var/lib/jenkins/workspace/automateDeploymentOnTomcat/webapp/pom.xml to com.example.maven-project/webapp/1.0-SNAPSHOT/webapp-1.0-SNAPSHOT.pom
[JENKINS] Archiving /var/lib/jenkins/workspace/automateDeploymentOnTomcat/webapp/target/webapp.war to com.example.maven-project/webapp/1.0-SNAPSHOT/webapp-1.0-SNAPSHOT.war
[JENKINS] Archiving /var/lib/jenkins/workspace/automateDeploymentOnTomcat/server/pom.xml to com.example.maven-project/server/1.0-SNAPSHOT/server-1.0-SNAPSHOT.pom
[JENKINS] Archiving /var/lib/jenkins/workspace/automateDeploymentOnTomcat/server/target/server.jar to com.example.maven-project/server/1.0-SNAPSHOT/server-1.0-SNAPSHOT.jar
[JENKINS] Archiving /var/lib/jenkins/workspace/automateDeploymentOnTomcat/pom.xml to com.example.maven-project/maven-project/1.0-SNAPSHOT/maven-project-1.0-SNAPSHOT.pom
channel stopped
[DeployPublisher][INFO] Attempting to deploy 1 war file(s)
[DeployPublisher][INFO] Deploying /var/lib/jenkins/workspace/automateDeploymentOnTomcat/webapp/target/webapp.war to container Tomcat 8.x Remote with context null
    Redeploying [/var/lib/jenkins/workspace/automateDeploymentOnTomcat/webapp/target/webapp.war]
    Undeploying [/var/lib/jenkins/workspace/automateDeploymentOnTomcat/webapp/target/webapp.war]
    Deploying [/var/lib/jenkins/workspace/automateDeploymentOnTomcat/webapp/target/webapp.war]
Finished: SUCCESS

```

Not secure | 3.19.26.128:8080/webapp/

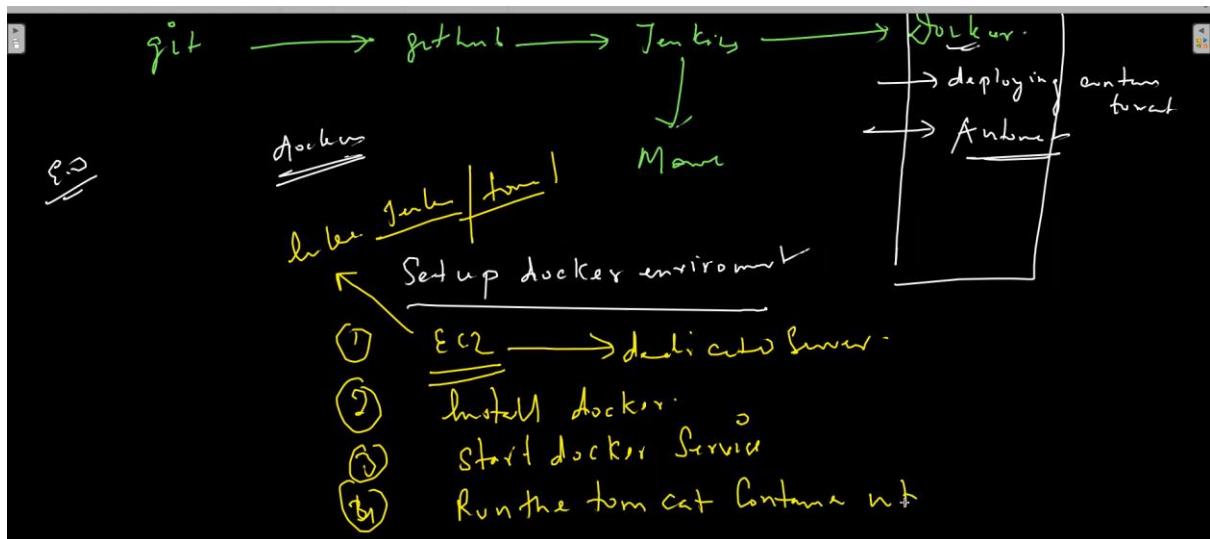
Welcome to our AUTOMATED DevOps Page

This is a sample page for DevOps practice.

DEVOPS IS A METHODOLOGY

- Continuous Integration
- Continuous Delivery
- Automated Testing
- Infrastructure as Code
- Configuration Management
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- Monitoring and Logging

Thanks for visiting!



The screenshot shows the AWS EC2 Instances launch wizard. The first window displays the 'Launch an instance' configuration, including fields for 'Name and tags' (set to 'Demo_Docker_host') and 'Software Image (AMI)' (selected as 'Amazon Linux 2 Kernel 5.10 AMI'). The second window shows the 'Application and OS Images (Amazon Machine Image)' catalog, where 'Amazon Linux 2 AMI (HVM) - Kernel 5.10, SSD Volume Type' is selected. The third window is the 'Summary' page, showing a summary of the instance configuration, including the selected AMI, instance type ('t2.micro'), and a note about the free tier. A modal window provides details about the free tier, stating it includes 750 hours of t2.micro usage per month.

Instance type

Instance type: t2.micro (Free tier eligible)

Family: t2 1 vCPU 1 GiB Memory
On-Demand Linux pricing: 0.0116 USD per Hour
On-Demand SUSE pricing: 0.0116 USD per Hour
On-Demand Windows pricing: 0.0162 USD per Hour
On-Demand RHEL pricing: 0.0716 USD per Hour

Key pair (login)

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - required: jenkinskey

Network settings

VPC - required: vpc-0a95aad72a3489e34 (default)

Summary

Number of instances: 1

Software Image (AMI): Amazon Linux 2 Kernel 5.10 AMI...read more

Virtual server type (instance type): t2.micro

Firewall (security group): New security group

Storage (volumes): 1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month. 30 GiB of EBS

Launch instance

VPC - required

vpc-0a95aad72a3489e34 (default)

Subnet

No preference

Auto-assign public IP

Enable

Firewall (security groups)

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

Create security group (selected)

Select existing security group

Security group name - required

launch-wizard-1

This security group will be added to all network interfaces. The name can't be edited after the security group is created. Max length is 255 characters. Valid characters: a-z, A-Z, 0-9, spaces, and _/!@#\$%^&{}\$^*

Description - required: launch-wizard-1 created 2023-04-11T17:24:59.803Z

Inbound security groups rules

Security group rule 1 (TCP, 22, 0.0.0.0/0)

Type: ssh, Protocol: TCP, Port range: 22

Summary

Number of instances: 1

Software Image (AMI): Amazon Linux 2 Kernel 5.10 AMI...read more

Virtual server type (instance type): t2.micro

Firewall (security group): New security group

Storage (volumes): 1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month. 30 GiB of EBS

Launch instance

Security group rule 2 (TCP, 443, 0.0.0.0/0)

Type: HTTPS, Protocol: TCP, Port range: 443

Source type: Anywhere

Description: e.g. SSH for admin desktop

Security group rule 3 (TCP, 80, 0.0.0.0/0)

Type: HTTP, Protocol: TCP, Port range: 80

Source type: Anywhere

Description: e.g. SSH for admin desktop

Security group rule 4 (TCP, 8080-9050, 0.0.0.0/0)

Type: Custom TCP, Protocol: TCP, Port range: 8080-9050

Source type: Anywhere

Description: e.g. SSH for admin desktop

Summary

Number of instances: 1

Software Image (AMI): Amazon Linux 2 Kernel 5.10 AMI...read more

Virtual server type (instance type): t2.micro

Firewall (security group): New security group

Storage (volumes): 1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month. 30 GiB of EBS

Launch instance

AWS CloudFormation console showing the creation of a new stack. The 'Configure storage' section is expanded, showing a root volume of 8 GiB using gp2 storage. A note indicates free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage. The 'Launch instance' button is highlighted.

AWS CloudFormation console showing the creation of a new stack. The 'Configure storage' section is expanded, showing a root volume of 8 GiB using gp2 storage. A note indicates free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage. The 'Launch instance' button is highlighted.

AWS CloudFormation console showing the creation of a new stack. The 'Configure storage' section is expanded, showing a root volume of 8 GiB using gp2 storage. A note indicates free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage. The 'Launch instance' button is highlighted.

aws Services Search [Alt+S]

```

Dependency Installed:
containererd.x86_64 0:1.6.19-1.amzn2.0.1           libgroup.x86_64 0:0.41-21.amzn2.0.1          pigz.x86_64 0:2.3.4-1.amzn2.0.1          runc.x86_64 0:1.1.4-1.amzn2.0.1

Complete!
[root@ip-172-31-37-164 ~]# docker --version
Docker: 20.10.22
[root@ip-172-31-37-164 ~]# systemctl status docker
● docker.service - Docker Application Container Engine
  Loaded: loaded (/usr/lib/systemd/system/docker.service; disabled; vendor preset: disabled)
  Active: inactive (dead)
    Docs: https://docs.docker.com
[root@ip-172-31-37-164 ~]# systemctl start docker
[root@ip-172-31-37-164 ~]# systemctl status docker
● docker.service - Docker Application Container Engine
  Loaded: loaded (/usr/lib/systemd/system/docker.service; disabled; vendor preset: disabled)
  Active: active (running) since Tue 2023-04-11 17:29:13 UTC; 3s ago
    Docs: https://docs.docker.com
  Process: 3848 ExecStartPre=/usr/libexec/docker/docker-setup-runtimes.sh (code=exited, status=0/SUCCESS)
  Process: 3847 ExecStartPre=/bin/mkdir -p /run/docker (code=exited, status=0/SUCCESS)
  Main PID: 3851 (dockerd)
    Tasks: 7
   Memory: 20.9M
      CGroup: /system.slice/docker.service
              └─3851 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/containerd.sock --default-ulimit nofile=32768:65536

Apr 11 17:29:13 ip-172-31-37-164.us-east-2.compute.internal dockerd[3851]: time="2023-04-11T17:29:13.453575530Z" level=info msg="ClientConn switching balancer to \"pick first\""
Apr 11 17:29:13 ip-172-31-37-164.us-east-2.compute.internal dockerd[3851]: time="2023-04-11T17:29:13.484445520Z" level=warning msg="Your kernel does not support cgroup blkio weight"
Apr 11 17:29:13 ip-172-31-37-164.us-east-2.compute.internal dockerd[3851]: time="2023-04-11T17:29:13.484885020Z" level=warning msg="Your kernel does not support cgroup blkio weight_device"
Apr 11 17:29:13 ip-172-31-37-164.us-east-2.compute.internal dockerd[3851]: time="2023-04-11T17:29:13.485328091Z" level=info msg="Loading containers: start."
Apr 11 17:29:13 ip-172-31-37-164.us-east-2.compute.internal dockerd[3851]: time="2023-04-11T17:29:13.657709724Z" level=info msg="Default bridge (docker0) is assigned with an IP ... address"

```

i-09a428beac48071b9 (Demo_Docker_host)

PublicIPs: 3.136.154.75 PrivateIPs: 172.31.37.164

aws Services Search [Alt+S]

```

Apr 11 17:29:13 ip-172-31-37-164.us-east-2.compute.internal dockerd[3851]: time="2023-04-11T17:29:13.484885020Z" level=warning msg="Your kernel does not support cgroup blkio weight_device"
Apr 11 17:29:13 ip-172-31-37-164.us-east-2.compute.internal dockerd[3851]: time="2023-04-11T17:29:13.485328091Z" level=info msg="Loading containers: start."
Apr 11 17:29:13 ip-172-31-37-164.us-east-2.compute.internal dockerd[3851]: time="2023-04-11T17:29:13.657709724Z" level=info msg="Default bridge (docker0) is assigned with an IP ... address"
Apr 11 17:29:13 ip-172-31-37-164.us-east-2.compute.internal dockerd[3851]: time="2023-04-11T17:29:13.711274501Z" level=info msg="Loading containers: done."
Apr 11 17:29:13 ip-172-31-37-164.us-east-2.compute.internal dockerd[3851]: time="2023-04-11T17:29:13.729105325Z" level=info msg="Docker daemon" commit=42c8b31 graphDriver(s)=ove...=20.10.22
Apr 11 17:29:13 ip-172-31-37-164.us-east-2.compute.internal dockerd[3851]: time="2023-04-11T17:29:13.729624136Z" level=info msg="Daemon has completed initialization"
Apr 11 17:29:13 ip-172-31-37-164.us-east-2.compute.internal dockerd[3851]: time="2023-04-11T17:29:13.754101552Z" level=info msg="API listen on /run/docker.sock"

Hint: Some lines were ellipsized, use -l to show in full.
[root@ip-172-31-37-164 ~]# docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
[root@ip-172-31-37-164 ~]# docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
[root@ip-172-31-37-164 ~]# docker pull tomcat
Using default tag: latest
latest: Pulling from library/tomcat
MacOS6450: Pull complete
a182a610d05: Pull complete
adffea29a3001: Pull complete
9d52462c5181: Pull complete
ac04a5b8b4d2: Pull complete
9477850df22: Pull complete
cc02062a4c64: Pull complete
Digest: sha256:7e4f2ad3dd9a6c80990aa89c882148c3497dc1ddd5b8ac1724f759686d40b25c
Status: Downloaded newer image for tomcat:latest
docker.io/library/tomcat:latest
[root@ip-172-31-37-164 ~]# docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
tomcat latest 6082949008754 2 weeks ago 475MB
[root@ip-172-31-37-164 ~]#

```

i-09a428beac48071b9 (Demo_Docker_host)

PublicIPs: 3.136.154.75 PrivateIPs: 172.31.37.164

aws Services Search [Alt+S]

```

Apr 11 17:29:13 ip-172-31-37-164.us-east-2.compute.internal dockerd[3851]: time="2023-04-11T17:29:13.729624136Z" level=info msg="Daemon has completed initialization"
Apr 11 17:29:13 ip-172-31-37-164.us-east-2.compute.internal systemd[1]: Started Docker Application Container Engine.
Apr 11 17:29:13 ip-172-31-37-164.us-east-2.compute.internal dockerd[3851]: time="2023-04-11T17:29:13.754101552Z" level=info msg="API listen on /run/docker.sock"
Hint: Some lines were ellipsized, use -l to show in full.
[root@ip-172-31-37-164 ~]# docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
[root@ip-172-31-37-164 ~]# docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
[root@ip-172-31-37-164 ~]# docker pull tomcat
Using default tag: latest
latest: Pulling from library/tomcat
74ac77866ff8: Pull complete
a182a610d05: Pull complete
adffea29a3001: Pull complete
9d52462c5181: Pull complete
ac04a5b8b4d2: Pull complete
9477850df22: Pull complete
cc02062a4c64: Pull complete
Digest: sha256:7e4f2ad3dd9a6c80990aa89c882148c3497dc1ddd5b8ac1724f759686d40b25c
Status: Downloaded newer image for tomcat:latest
docker.io/library/tomcat:latest
[root@ip-172-31-37-164 ~]# docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
tomcat latest 6082949008754 2 weeks ago 475MB
[root@ip-172-31-37-164 ~]# docker run -d --name sampleteTomcat -p 8081:8080 tomcat
7c136f4f328fedc2340457b4801a19d92c7ec579bce095957fcc8a82bcf775
[root@ip-172-31-37-164 ~]# docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
7c136f4f328f tomcat "catalina.sh run" 5 seconds ago Up 4 seconds 0.0.0.0:8081->8080/tcp, :::8081->8080/tcp sampleteTomcat
[root@ip-172-31-37-164 ~]#

```

i-09a428beac48071b9 (Demo_Docker_host)

PublicIPs: 3.136.154.75 PrivateIPs: 172.31.37.164

[←](#) [→](#) [C](#) [▲](#) Not secure | 3.136.154.75:8081 [⋮](#)

HTTP Status 404 – Not Found

Type: Status Report

Description: The origin server did not find a current representation for the target resource or is not willing to disclose that one exists.

Apache Tomcat/10.1.7

```

aws Services Search [Alt+S]
REPOSITORY TAG IMAGE ID CREATED SIZE
tomcat latest 608294900754 2 weeks ago 475MB
[root@ip-172-31-37-164 ~]# docker run -d --name sampletomcat -p 8081:8080 tomcat
7c136f4f328fed72340d457b4801a19d92c7ec59bce095957fcc0a82bcf775
[root@ip-172-31-37-164 ~]# docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
7c136f4f328f tomcat "catalina.sh run" 5 seconds ago Up 4 seconds 0.0.0.0:8081->8080/tcp, :::8081->8080/tcp sampletomcat
[root@ip-172-31-37-164 ~]# docker exec -it sampletomcat /bin/bash
root@7c136f4f328f:/usr/local/tomcat# ls -la
total 128
drwxr-xr-x 1 root root 30 Mar 28 01:16 .
drwxr-xr-x 1 root root 20 Mar 16 08:04 ..
drwxr-xr-x 2 root root 4096 Mar 28 01:16 bin
-rw-r--r-- 1 root root 20123 Feb 27 20:25 BUILDING.txt
drwxr-xr-x 1 root root 22 Apr 11 17:30 conf
-rw-r--r-- 1 root root 6210 Feb 27 20:25 CONTRIBUTING.md
drwxr-xr-x 2 root root 4096 Mar 28 01:16 lib
-rw-r--r-- 1 root root 60393 Feb 27 20:25 LICENSE
drwxrwxrwt 1 root root 80 Apr 11 17:30 .
drwxr-xr-x 2 root root 158 Mar 28 01:16 native-jni-lib
-rw-r--r-- 1 root root 2331 Feb 27 20:25 NOTICE
-rw-r--r-- 1 root root 3398 Feb 27 20:25 README.md
-rw-r--r-- 1 root root 6775 Feb 27 20:25 RELEASE-NOTES
-rw-r--r-- 1 root root 16076 Feb 27 20:25 RUNNING.txt
drwxrwxrwt 2 root root 30 Mar 28 01:16 webapps
drwxr-xr-x 2 root root 6 Mar 28 01:16 webapps
drwxr-xr-x 7 root root 81 Feb 27 20:25 webapps.dist
drwxrwxrwt 2 root root 6 Feb 27 20:25 .
root@7c136f4f328f:/usr/local/tomcat# cd webapps
root@7c136f4f328f:/usr/local/tomcat/webapps# 

```

i-09a428beac48071b9 (Demo_Docker_host)

PublicIPs: 3.136.154.75 PrivateIPs: 172.31.37.164

```

aws Services Search [Alt+S]
drwxr-xr-x 2 root root 4096 Mar 28 01:16 lib
-rw-r--r-- 1 root root 60393 Feb 27 20:25 LICENSE
drwxrwxrwt 1 root root 80 Apr 11 17:30 .
drwxr-xr-x 2 root root 158 Mar 28 01:16 native-jni-lib
-rw-r--r-- 1 root root 2331 Feb 27 20:25 NOTICE
-rw-r--r-- 1 root root 3398 Feb 27 20:25 README.md
-rw-r--r-- 1 root root 6775 Feb 27 20:25 RELEASE-NOTES
-rw-r--r-- 1 root root 16076 Feb 27 20:25 RUNNING.txt
drwxrwxrwt 2 root root 30 Mar 28 01:16 webapps
drwxr-xr-x 2 root root 6 Mar 28 01:16 webapps
drwxr-xr-x 7 root root 81 Feb 27 20:25 webapps.dist
drwxrwxrwt 2 root root 6 Feb 27 20:25 .
root@7c136f4f328f:/usr/local/tomcat# cd webapps
root@7c136f4f328f:/usr/local/tomcat/webapps# ls -la
total 0
drwxr-xr-x 2 root root 6 Mar 28 01:16 .
drwxr-xr-x 1 root root 30 Mar 28 01:16 ..
root@7c136f4f328f:/usr/local/tomcat/webapps# cd ..
root@7c136f4f328f:/usr/local/tomcat# cd webapps.dist/
root@7c136f4f328f:/usr/local/tomcat/webapps.dist# ls -la
total 4
drwxr-xr-x 7 root root 81 Feb 27 20:25 .
drwxr-xr-x 1 root root 30 Mar 28 01:16 ..
drwxr-xr-x 16 root root 4096 Mar 28 01:16 docs
drwxr-xr-x 7 root root 99 Mar 28 01:16 examples
drwxr-xr-x 6 root root 79 Mar 28 01:16 host-manager
drwxr-xr-x 6 root root 114 Mar 28 01:16 manager
drwxr-xr-x 3 root root 223 Mar 28 01:16 ROOT
root@7c136f4f328f:/usr/local/tomcat/webapps.dist# cp -R * ../webapps/
root@7c136f4f328f:/usr/local/tomcat/webapps.dist# 

```

i-09a428beac48071b9 (Demo_Docker_host)

PublicIPs: 3.136.154.75 PrivateIPs: 172.31.37.164

```

aws Services Search [Alt+S]
drwxr-xr-x 3 root root 30 Mar 28 01:16 .
drwxr-xr-x 1 root root 81 Apr 11 17:43 .
drwxr-xr-x 1 root root 57 Mar 28 01:16 ..
drwxr-xr-x 16 root root 4096 Apr 11 17:43 docs
drwxr-xr-x 7 root root 99 Apr 11 17:43 examples
drwxr-xr-x 6 root root 79 Apr 11 17:43 host-manager
drwxr-xr-x 6 root root 114 Apr 11 17:43 manager
drwxr-xr-x 3 root root 223 Apr 11 17:43 ROOT
root@7c136f4f328f:/usr/local/tomcat/webapps# 

```

i-09a428beac48071b9 (Demo_Docker_host)

PublicIPs: 3.136.154.75 PrivateIPs: 172.31.37.164

```

aws Services Search [Alt+S]
Stop one or more running containers
[root@ip-172-31-37-164 ~]# docker ps -a
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
7c136f4f328f tomcat "catalina.sh run" 14 minutes ago Up 14 minutes 0.0.0.0:8081->8080/tcp, :::8081->8080/tcp sampletomcat
[root@ip-172-31-37-164 ~]# docker run -d --name sampletomcat -p 8082:8080 tomcat
docker: Error response from daemon: Conflict. The container name "/sampletomcat" is already in use by container "7c136f4f328fed72340d457b4801a19d92c7ec59bce095957fcc0a82bcf775". You have to either remove that container to be able to reuse that name.
See 'docker run --help'.
[root@ip-172-31-37-164 ~]# docker run -d --name sampletomcat1 -p 8081:8080 tomcat
0460edb374119d0aef335283d380a3f1d9cb93bf3c81167e137d1c9b22b25042
docker: Error response from daemon: driver failed programming external connectivity on endpoint sampletomcat1 (7a832070c00ale3a7f0538fa0f01bf7a1362ef44ef93317519963920e14f22da): Bind for 0.0.0.0:8081 failed: port is already allocated.
[root@ip-172-31-37-164 ~]# docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
7c136f4f328f tomcat "catalina.sh run" 15 minutes ago Up 15 minutes 0.0.0.0:8081->8080/tcp, :::8081->8080/tcp sampletomcat
[root@ip-172-31-37-164 ~]# docker run -d --name sampletomcat1 -p 8082:8080 tomcat
docker: Error response from daemon: Conflict. The container name "/sampletomcat1" is already in use by container "0460edb374119d0aef335283d380a3f1d9cb93bf3c81167e137d1c9b22b25042". You have to remove (or rename) that container to be able to reuse that name.
See 'docker run --help'.
[root@ip-172-31-37-164 ~]# docker run -d --name sampletomcat2 -p 8082:8080 tomcat
9842b59ac150fe044946e18ba741cb2b0014d1164d4d6geefc6284a839a3d0
[root@ip-172-31-37-164 ~]# docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
9842b59ac150 tomcat "catalina.sh run" 6 seconds ago Up 5 seconds 0.0.0.0:8082->8080/tcp, :::8082->8080/tcp sampletomcat2
7c136f4f328f tomcat "catalina.sh run" 16 minutes ago Up 16 minutes 0.0.0.0:8081->8080/tcp, :::8081->8080/tcp sampletomcat
[root@ip-172-31-37-164 ~]# docker stop
"docker stop" requires at least 1 argument.
See 'docker stop --help'.
Usage: docker stop [OPTIONS] CONTAINER [CONTAINER...]
```

i-09a428beac48071b9 (Demo_Docker_host)

PublicIPs: 3.136.154.75 PrivateIPs: 172.31.37.164

```
[root@ip-172-31-37-164 ~]# vi Dockerfile
[root@ip-172-31-37-164 ~]#
```

i-09a428beac48071b9 (Demo_Docker_host)

PublicIPs: 3.136.154.75 PrivateIPs: 172.31.37.164

```
aws Services Search [Alt+S]
```

```
FROM tomcat:latest
RUN cp -R /usr/local/tomcat/webapps.dist/* /usr/local/tomcat/webapps
```

```
-- INSERT --
```

```
i-09a428beac48071b9 (Demo_Docker_host)
```

```
PublicIPs: 3.136.154.75 PrivateIPs: 172.31.37.164
```

```
aws Services Search [Alt+S]
```

```
Usage: docker stop [OPTIONS] CONTAINER (CONTAINER...)
```

```
Stop one or more running containers
[root@ip-172-31-37-164 ~]# vi Dockerfile
[root@ip-172-31-37-164 ~]# cat Dockerfile
FROM tomcat:latest
RUN cp -R /usr/local/tomcat/webapps.dist/* /usr/local/tomcat/webapps
```

```
[root@ip-172-31-37-164 ~]# docker build -t newtomcat:latest .
Sending build context to Docker daemon 10.75kB
Step 1/2 : FROM tomcat:latest
--> 608294908754
Step 2/2 : RUN cp -R /usr/local/tomcat/webapps.dist/* /usr/local/tomcat/webapps
--> Running in 8039ef34250e
Removing intermediate container 8039ef34250e
--> ec1c3cf6815a
Successfully built ec1c3cf6815a
Successfully tagged newtomcat:latest
[root@ip-172-31-37-164 ~]# docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
newtomcat latest ec1c3cf6815a 6 seconds ago 479MB
tomcat latest 608294908754 2 weeks ago 479MB
[root@ip-172-31-37-164 ~]# docker run -d --name newtomcatserver -p 8083:8080 newtomcat:latest
c510d72effead122351e996374eed1115570b8ce0dbe965189ed69352faa7d1
[root@ip-172-31-37-164 ~]# docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
555555555555 newtomcat:latest "catalina.sh run" 5 seconds ago Up 4 seconds 0.0.0.0:8083->8080/tcp, :::8083->8080/tcp newtomcatserver
8842b59ac150 tomcat "catalina.sh run" 3 minutes ago Up 3 minutes 0.0.0.0:8082->8080/tcp, :::8082->8080/tcp sampletomcat2
7c136f4f328f tomcat "catalina.sh run" 19 minutes ago Up 19 minutes 0.0.0.0:8081->8080/tcp, :::8081->8080/tcp sampletomcat
[root@ip-172-31-37-164 ~]#
```

```
i-09a428beac48071b9 (Demo_Docker_host)
```

```
PublicIPs: 3.136.154.75 PrivateIPs: 172.31.37.164
```

