

Google Cloud Platform - Edureka-DockerCertification - Search products and resources

Compute Engine

VM instances

	Name	Zone	IP Address	Action
<input type="checkbox"/>	ansibleslave	us-central1-a	10.128.0.12 (nic0)	SSH
<input type="checkbox"/>	ansibleslave2	us-central1-a	10.128.0.13 (nic0)	SSH
<input type="checkbox"/>	docker	us-central1-a	10.128.0.2 (nic0)	None
<input type="checkbox"/>	docker-m1	us-central1-a	10.128.0.15 (nic0)	None
<input type="checkbox"/>	docker-w1	us-central1-a	10.128.0.16 (nic0)	None
<input type="checkbox"/>	docker-w2	us-central1-a	10.128.0.17 (nic0)	None
<input type="checkbox"/>	jenkins-m	us-central1-a	10.128.0.18 (nic0)	SSH

Select an instance

PERMISSIONS LABELS MONITORING

Please select at least one resource.

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Compute Engine

VM instances

INSTANCES

Status	Name	Zone	Recommendations	In use by	Internal IP	External IP	Connect
<input type="checkbox"/>	ansible	us-central1-a			10.128.0.12 (nic0)	35.226.63.36	SSH
<input type="checkbox"/>	ansibleslave	us-central1-a			10.128.0.13 (nic0)	34.122.25.176	SSH
<input type="checkbox"/>	ansibleslave2	us-central1-a			10.128.0.14 (nic0)	35.232.190.154	SSH
<input type="checkbox"/>	docker	us-central1-a			10.128.0.2 (nic0)	None	SSH
<input type="checkbox"/>	docker-m1	us-central1-a			10.128.0.15 (nic0)	None	SSH
<input type="checkbox"/>	docker-w1	us-central1-a			10.128.0.16 (nic0)	None	SSH
<input type="checkbox"/>	docker-w2	us-central1-a			10.128.0.17 (nic0)	None	SSH
<input type="checkbox"/>	jenkins-m	us-central1-a			10.128.0.18 (nic0)	35.192.97.2	SSH

Related Actions

- View Billing Report
- Monitor VMs
- Explore VM Logs
- Setup Firewall Rules
- Patch Management

DISMISS

immortalalkrazy@jenkins-m ~ Google Chrome

```
# ssh.cloud.google.com/projects/edureka-dockercertification/instances/jenkins-m?authuser=3&hi=en_US&projectNum...
Connected, host fingerprint: ssh-rsa 0 91:BC:A7:17:2B:A2:AD:56:D2:CF:83:DE:BD:75
:52:F5:E2:4C:23:FC:45:D8:D1:F7:40:F7:71:B6:C9:E7:8E:15
Last login: Wed Jul 14 23:38:40 2021 from 35.235.241.16
[immortalalkrazy@jenkins-m ~]$ su ansible
su: user ansible does not exist
-bash: e: command not found
[immortalalkrazy@jenkins-m ~]$ su ansible
Password:
[ansible@ansible-m ~]$ cd /home/immortalalkrazy
[ansible@ansible-m ~]$ curl ifconfig.co
35.232.190.154
[ansible@ansible-m ~]$
```

Select an instance

PERMISSIONS LABELS MONITORING

Please select at least one resource.

immortalalkrazy@jenkins-m ~ Google Chrome

```
# ssh.cloud.google.com/projects/edureka-dockercertification/instances/ansible?authuser=3&hi=en_US&projectNum...
[ansible@ansible-m ~]$ ssh -l ansible -p 22 35.232.190.154
Connected, host fingerprint: ssh-rsa 0 A5:05:5P:EC:0C:10:3A:32:B0:B7:C1:42:57:9D
:1407:0:8P:79:1:P:2B:10:68:00:0C:5A:7F:C2:A4:80:26:79:DC
Last login: Wed Jul 14 23:38:26 2021 from 35.235.241.16
[immortalalkrazy@ansible ~]$ su ansible
su: user ansible does not exist
-bash: e: command not found
[immortalalkrazy@ansible ~]$ su ansible
Password:
[ansible@ansible ~]$ cd /home/immortalalkrazy
[ansible@ansible ~]$ curl ifconfig.co
35.232.190.154
[ansible@ansible ~]$
```

Select an instance

PERMISSIONS LABELS MONITORING

Please select at least one resource.

immortalalkrazy@jenkins-m ~ Google Chrome

```
# ssh.cloud.google.com/projects/edureka-dockercertification/instances/ansibleslave2?authuser=3&hi=en_US&project...
Connected, host fingerprint: ssh-rsa 0 91:BC:A7:17:2B:A2:AD:56:D2:CF:83:DE:BD:75
:52:F5:E2:4C:23:FC:45:D8:D1:F7:40:F7:71:B6:C9:E7:8E:15
Last login: Wed Jul 14 23:38:40 2021 from 35.235.241.16
[immortalalkrazy@ansibleslave2 ~]$ su ansible
su: user ansible does not exist
-bash: e: command not found
[immortalalkrazy@ansibleslave2 ~]$ su ansible
Password:
[ansible@ansibleslave2 ~]$ cd /home/immortalalkrazy
[ansible@ansibleslave2 ~]$ curl ifconfig.co
35.232.190.154
[ansible@ansibleslave2 ~]$
```

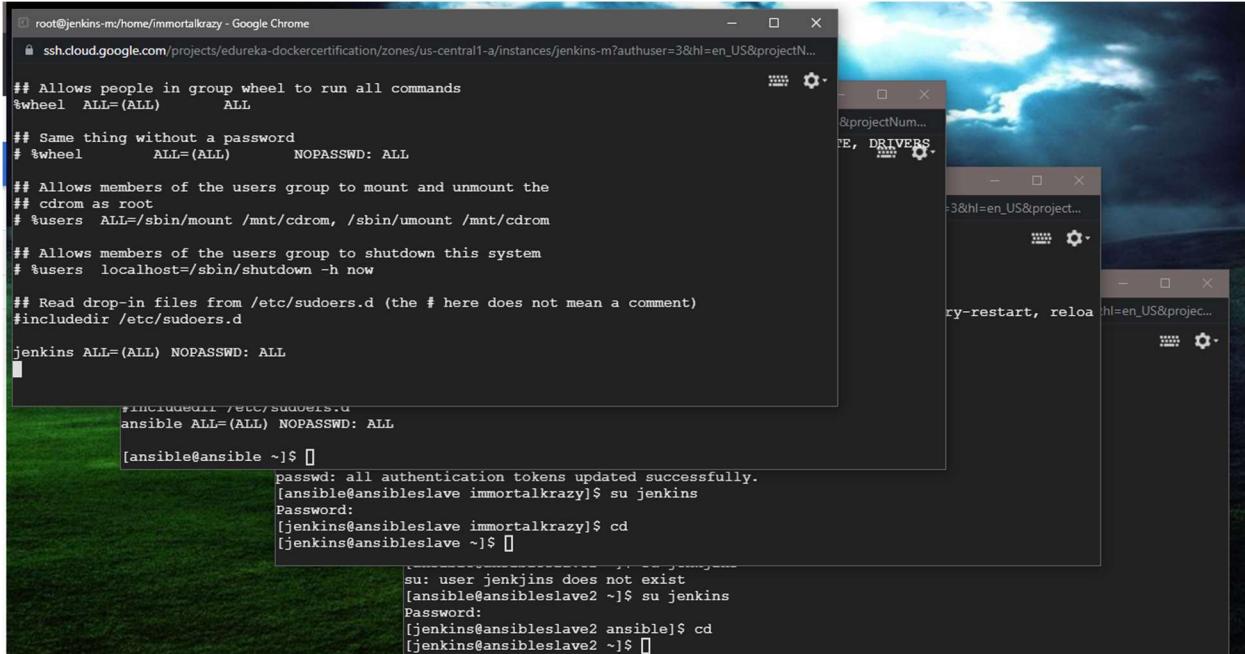
```
ssh.cloud.google.com/projects/edureka-dockercertification/zones/us-central1-a/instances/jenkins-m?authuser=3&hl=en_US&projectN...:63:AF:04:22:FB:57:B9:48:6E:5C:46:30:AE:D2:BE:1D:08 [immortalKrazy@jenkins-m ~]$ sudo useradd jenkins [immortalKrazy@jenkins-m ~]$ passwd jenkins passwd: Only root can specify a user name. [immortalKrazy@jenkins-m ~]$ sudo passwd jenkins Changing password for user jenkins. New password: BAD PASSWORD: The password is shorter than 8 characters Retype new password: passwd: all authentication tokens updated successfully. [jenkins@jenkins-m immortalKrazy]$ su jenkins Password: [jenkins@jenkins-m ansible]$ cd [jenkins@jenkins-m ~]$
```



```
[jenkins@jenkins-m ~]$ ssh.cloud.google.com/projects/edureka-dockercertification/zones/us-central1-a/instances/ansible?authuser=3&hl=en_US&projectN...:63:AF:04:22:FB:57:B9:48:6E:5C:46:30:AE:D2:BE:1D:08 [immortalKrazy@jenkins-m ~]$ ssh -f -o StrictHostKeyChecking=no jenkins@35.232.190.154 [immortalKrazy@jenkins-m ~]$ su jenkins Password: [jenkins@jenkins-m ansible]$ cd [jenkins@jenkins-m ~]$ curl ifconfig.co [jenkins@jenkins-m ~]$
```



```
[jenkins@jenkins-m ~]$ ssh.cloud.google.com/projects/edureka-dockercertification/zones/us-central1-a/instances/ansible?authuser=3&hl=en_US&projectN...:63:AF:04:22:FB:57:B9:48:6E:5C:46:30:AE:D2:BE:1D:08 [immortalKrazy@jenkins-m ~]$ ssh -f -o StrictHostKeyChecking=no jenkins@35.232.190.154 [immortalKrazy@jenkins-m ~]$ su jenkins Password: [jenkins@jenkins-m ansible]$ cd [jenkins@jenkins-m ~]$
```



```
## Allows people in group wheel to run all commands
%wheel    ALL=(ALL)        ALL

## Same thing without a password
# %wheel      ALL=(ALL)      NOPASSWD: ALL

## Allows members of the users group to mount and umount the
## cdrom as root
# %users    ALL=/sbin/mount /mnt/cdrom, /sbin/umount /mnt/cdrom

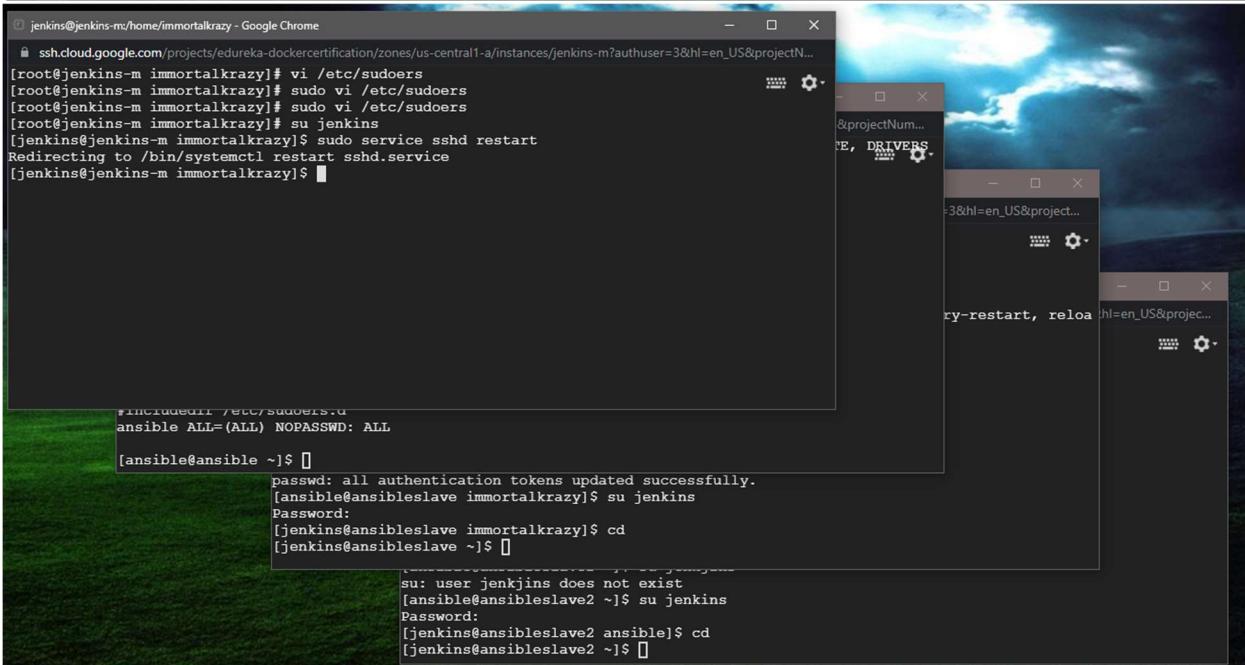
## Allows members of the users group to shutdown this system
# %users    localhost=/sbin/shutdown -h now

## Read drop-in files from /etc/sudoers.d (the # here does not mean a comment)
#include /etc/sudoers.d

jenkins ALL=(ALL) NOPASSWD: ALL
```

```
[ansible@ansible ~]$ 
[ansible@ansible ~]$ su jenkins
Password:
[jenkins@ansible immortalkrazy]$ cd
[jenkins@ansible ~]$ 

[jenkins@ansible ~]$ vi /etc/sudoers.d
[ansible@ansible ~]$ su jenkins
Password:
[jenkins@ansible immortalkrazy]$ cd
[jenkins@ansible ~]$ 
```



```
[root@jenkins-m immortalkrazy]# vi /etc/sudoers
[root@jenkins-m immortalkrazy]# sudo vi /etc/sudoers
[root@jenkins-m immortalkrazy]# sudo vi /etc/sudoers
[root@jenkins-m immortalkrazy]# su jenkins
[jenkins@jenkins-m immortalkrazy]$ sudo service sshd restart
Redirecting to /bin/systemctl restart sshd.service
[jenkins@jenkins-m immortalkrazy]$ 
```

```
[ansible@ansible ~]$ 
[ansible@ansible ~]$ su jenkins
Password:
[jenkins@ansible immortalkrazy]$ cd
[jenkins@ansible ~]$ 

[jenkins@ansible ~]$ vi /etc/sudoers.d
[ansible@ansible ~]$ su jenkins
Password:
[jenkins@ansible immortalkrazy]$ cd
[jenkins@ansible ~]$ 
```

The screenshot displays two terminal windows on a Jenkins master node (jenkins-m) and a slave node (ansible). The top terminal window shows the Jenkins master's configuration for the 'sudoers' file:

```
[root@jenkins-m immortalkrazy]# vi /etc/sudoers
[...]
# Allows people in group wheel to run all commands
%wheel    ALL=(ALL)          ALL
[...]
## Same thing without a password
# %wheel          ALL=(ALL)      NOPASSWD: ALL
[...]
## Allows members of the users group to mount and umount the
## cdrom as root
# %users    ALL=/sbin/mount /mnt/cdrom, /sbin/umount /mnt/cdrom
[...]
## Allows members of the users group to shutdown this system
# %users    localhost=/sbin/shutdown -h now
[...]
## Read drop-in files from /etc/sudoers.d (the # here does not mean a comment)
#includedir /etc/sudoers.d
ansible  ALL=(ALL)      NOPASSWD: ALL
jenkins  ALL=(ALL)      NOPASSWD: ALL
[...]
:wq!
```

After saving, the command `passwd: all authentication tokens updated successfully.` is shown. The bottom terminal window shows the Jenkins slave's configuration for the 'sshd' service:

```
[ansible@ansibleslave immortalkrazy]$ su jenkins
Password:
[jenkins@ansibleslave immortalkrazy]$ cd
[jenkins@ansibleslave ~]$ [REDACTED]
[REDACTED]
[jenkins@ansibleslave2 ~]$ su jenkins
Password:
[jenkins@ansibleslave2 ansible]$ cd
[jenkins@ansibleslave2 ~]$ [REDACTED]
```

The bottom terminal window also shows the Jenkins master's configuration for the 'sshd' service:

```
[jenkins@jenkins-m immortalkrazy]$ [REDACTED]
[jenkins@jenkins-m immortalkrazy]$ [REDACTED]
```

The configuration file content is as follows:

```
#HostbasedAuthentication no
# Change to yes if you don't trust ~/.ssh/known_hosts for
# HostbasedAuthentication
#IgnoreUserKnownHosts no
# Don't read the user's ~/.rhosts and ~/.shosts files
#IgnoreRhosts yes

# To disable tunneled clear text passwords, change to no here!
PermitEmptyPasswords no
PasswordAuthentication yes

# Change to no to disable s/key passwords
#ChallengeResponseAuthentication yes
ChallengeResponseAuthentication no

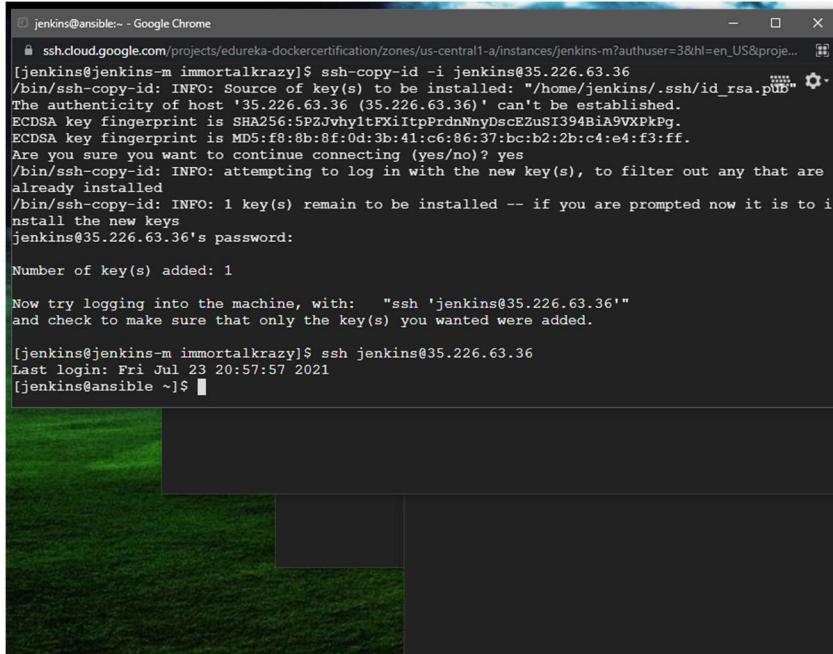
# Kerberos options
#KerberosAuthentication no
#KerberosOrLocalPasswd yes
#KerberosTicketCleanup yes
-- INSERT --
```

```
[jenkins@jenkins-m ~]$ ssh.cloud.google.com/projects/edureka-dockercertification/zones/us-central1-a/instances/jenkins-m?authuser=3&hl=en_US&projectNum...
[jenkins@jenkins-m immortalkrazy]$ 
[jenkins@ansible-ansible ~]$ sudo vi /etc/ssh/sshd_config
[jenkins@ansi... Redirecting to /dev/tt...
[jenkins@ansi... [jenkins@ansibleslave jenkins]$ sudo vi /etc/ssh/sshd_config
[jenkins@ansi... [jenkins@ansibleslave jenkins]$ su jenkins
[jenkins@ansi... Password:
[jenkins@ansi... [jenkins@ansibleslave ~]$ sudo vi /etc/ssh/sshd_config
[jenkins@ansi... [jenkins@ansibleslave ~]$ 

[jenkins@jenkins-m ~]$ ssh.cloud.google.com/projects/edureka-dockercertification/zones/us-central1-a/instances/jenkins-m?authuser=3&hl=en_US&projectNum...
[jenkins@jenkins-m immortalkrazy]$ 
[jenkins@ansible-ansible ~]$ sudo vi /etc/ssh/sshd_config
[jenkins@ansi... Redirecting to /dev/tt...
[jenkins@ansi... [jenkins@ansibleslave jenkins]$ sudo vi /etc/ssh/sshd_config
[jenkins@ansi... [jenkins@ansibleslave jenkins]$ su jenkins
[jenkins@ansi... Password:
[jenkins@ansi... [jenkins@ansibleslave ~]$ sudo vi /etc/ssh/sshd_config
[jenkins@ansi... [jenkins@ansibleslave ~]$ sudo service sshd restart
[jenkins@ansi... Redirecting to /bin/systemctl restart sshd.service
[jenkins@ansi... [jenkins@ansibleslave ~]$ 
```

```
jenkins@jenkins-m:~$ ssh.cloud.google.com/projects/edureka-dockercertification/zones/us-central1-a/instances/jenkins-m?authuser=3&hl=en_US&proj...  
Created directory '/home/jenkins/.ssh'.  
Enter passphrase (empty for no passphrase):  
Enter same passphrase again:  
Your identification has been saved in /home/jenkins/.ssh/id_rsa.  
Your public key has been saved in /home/jenkins/.ssh/id_rsa.pub.  
The key fingerprint is:  
SHA256:ZTzx3BfN/cxr3z5b/17dfEmNj1fxBvUftTGMS9lB8Xk jenkins@jenkins-m  
The key's randomart image is:  
+---[RSA 2048]---+  
| .o=X*|  
| . + =+X|  
| = + B@E|  
| o . + *|  
| S o.=|  
| .*=|  
| ..%|  
| O@|  
| +O|  
+---[SHA256]---+  
[jenkins@jenkins-m immortalkrazy]$
```

```
jenkins@jenkins-m:~$ ssh-copy-id -i jenkins@35.226.63.36  
/bin/ssh-copy-id: INFO: Source of key(s) to be installed: "/home/jenkins/.ssh/id_rsa.pub"  
The authenticity of host '35.226.63.36' can't be established.  
ECDSA key fingerprint is SHA256:5PZJvhyltFXiItPrdmNyDscEZuS1394BiAVXPkPg.  
ECDSA key fingerprint is MD5:f8:8b:6f:0d:3b:41:c6:86:37:bc:b2:c4:a4:f3:ff.  
Are you sure you want to continue connecting (yes/no)? yes  
/bin/ssh-copy-id: INFO: attempting to log in with the new key(s), to filter out any that are  
already installed  
/bin/ssh-copy-id: INFO: 1 key(s) remain to be installed -- if you are prompted now it is to i  
nstall the new keys  
jenkins@35.226.63.36's password:  
Number of key(s) added: 1  
  
Now try logging into the machine, with: "ssh 'jenkins@35.226.63.36'"  
and check to make sure that only the key(s) you wanted were added.  
[jenkins@jenkins-m immortalkrazy]$
```

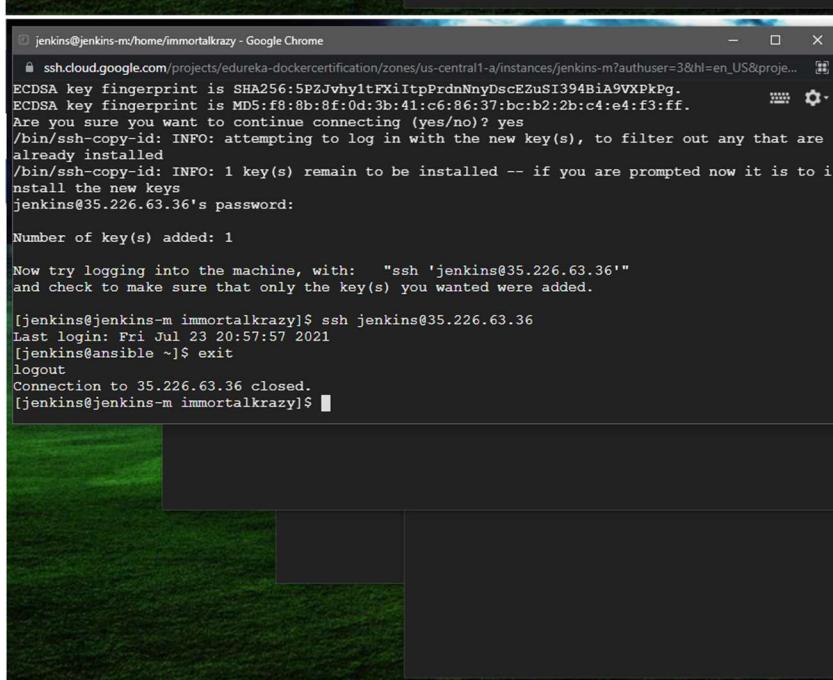


```
[jenkins@jenkins-m immortalKrazy]$ ssh-copy-id -i jenkins@35.226.63.36
/bin/ssh-copy-id: INFO: Source of key(s) to be installed: "/home/jenkins/.ssh/id_rsa.pub"
The authenticity of host '35.226.63.36 (35.226.63.36)' can't be established.
ECDSA key fingerprint is SHA256:5PZJvhyltFXiItpPrdnNnyDscEZuS1394BiA9VXPkPg.
ECDSA key fingerprint is MD5:f8:8b:8f:0d:3b:41:c6:86:37:bc:b2:c4:e4:f3:ff.
Are you sure you want to continue connecting (yes/no)? yes
/bin/ssh-copy-id: INFO: attempting to log in with the new key(s), to filter out any that are
already installed
/bin/ssh-copy-id: INFO: 1 key(s) remain to be installed -- if you are prompted now it is to i
nstall the new keys
jenkins@35.226.63.36's password:

Number of key(s) added: 1

Now try logging into the machine, with: "ssh 'jenkins@35.226.63.36'"
and check to make sure that only the key(s) you wanted were added.

[jenkins@jenkins-m immortalKrazy]$ ssh jenkins@35.226.63.36
Last login: Fri Jul 23 20:57:57 2021
[jenkins@ansible ~]$
```



```
[jenkins@jenkins-m/home/immortalKrazy - Google Chrome
ssh.cloud.google.com/projects/edureka-dockercertification/zones/us-central1-a/instances/jenkins-m?authuser=3&hl=en_US&proj...
[jenkins@jenkins-m immortalKrazy]$ ssh jenkins@35.226.63.36
ECDSA key fingerprint is SHA256:5PZJvhyltFXiItpPrdnNnyDscEZuS1394BiA9VXPkPg.
ECDSA key fingerprint is MD5:f8:8b:8f:0d:3b:41:c6:86:37:bc:b2:c4:e4:f3:ff.
Are you sure you want to continue connecting (yes/no)? yes
/bin/ssh-copy-id: INFO: attempting to log in with the new key(s), to filter out any that are
already installed
/bin/ssh-copy-id: INFO: 1 key(s) remain to be installed -- if you are prompted now it is to i
nstall the new keys
jenkins@35.226.63.36's password:

Number of key(s) added: 1

Now try logging into the machine, with: "ssh 'jenkins@35.226.63.36'"
and check to make sure that only the key(s) you wanted were added.

[jenkins@jenkins-m immortalKrazy]$ ssh jenkins@35.226.63.36
Last login: Fri Jul 23 20:57:57 2021
[jenkins@ansible ~]$ exit
logout
Connection to 35.226.63.36 closed.
[jenkins@jenkins-m immortalKrazy]$
```

The image shows two side-by-side terminal windows from Google Chrome. Both windows are running on the Jenkins Docker Certification project page.

Jenkins Master Terminal:

```
[jenkins@jenkins-m ~] $ ssh-copy-id -i jenkins@35.232.190.154
/bin/ssh-copy-id: INFO: Source of key(s) to be installed: "/home/jenkins/.ssh/id_rsa.pub"
The authenticity of host '35.232.190.154 (35.232.190.154)' can't be established.
ECDSA key fingerprint is SHA256:MoKf3p7NM2cuOojUTr90Hfj69e/W8fnUozpIyvsMacC.
ECDSA key fingerprint is MD5:6b:9f:ad:25:09:ea:43:7c:62:3d:71:3b:e2:b5:d8:9d.
Are you sure you want to continue connecting (yes/no)? yes
/bin/ssh-copy-id: INFO: attempting to log in with the new key(s), to filter out any that are already installed
/bin/ssh-copy-id: INFO: 1 key(s) remain to be installed -- if you are prompted now it is to install the new keys
jenkins@35.232.190.154's password:

Number of key(s) added: 1

Now try logging into the machine, with: "ssh 'jenkins@35.232.190.154'"
and check to make sure that only the key(s) you wanted were added.

[jenkins@jenkins-m ~] $
```

Ansible Slave Terminal:

```
jenkins@jenkins-m ~] $ ssh-copy-id -i jenkins@35.232.190.154
/bin/ssh-copy-id: INFO: Source of key(s) to be installed: "/home/jenkins/.ssh/id_rsa.pub"
he authenticity of host '35.232.190.154 (35.232.190.154)' can't be established.
CDSA key fingerprint is SHA256:MoKf3p7NM2cuOojUTr90Hfj69e/W8fnUozpIyvsMacC.
CDSA key fingerprint is MD5:6b:9f:ad:25:09:ea:43:7c:62:3d:71:3b:e2:b5:d8:9d.
re you sure you want to continue connecting (yes/no)? yes
bin/ssh-copy-id: INFO: attempting to log in with the new key(s), to filter out any that are already installed
bin/ssh-copy-id: INFO: 1 key(s) remain to be installed -- if you are prompted now it is to i
stall the new keys
jenkins@35.232.190.154's password:

umber of key(s) added: 1

ow try logging into the machine, with: "ssh 'jenkins@35.232.190.154'"
nd check to make sure that only the key(s) you wanted were added.

jenkins@jenkins-m ~] $ ssh jenkins@35.232.190.154
ast login: Fri Jul 23 21:02:57 2021
jenkins@ansibleslave2 ~]$
```

The screenshot displays a Jenkins pipeline interface with two parallel stages. Each stage has its own terminal window showing command-line output.

Stage 1 Host (Left Terminal):

```

jenkins@jenkins-m:~ - Google Chrome
ssh.cloud.google.com/projects/edureka-dockercertification/zones/us-central1-a/instances/jenkins-m?authuser=3&hl=en_US&proj...
ECDSA key fingerprint is SHA256:MoKf3p7NM2cuoojTr90Hfj69e/W8fnDzplLyvsMaCc.
ECDSA key fingerprint is MD5:6b:9f:ad:25:09:ea:43:7c:62:3d:71:3b:e2:b5:d8:9d.
Are you sure you want to continue connecting (yes/no)? yes
/bin/ssh-copy-id: INFO: attempting to log in with the new key(s), to filter out any that are
already installed
/bin/ssh-copy-id: INFO: 1 key(s) remain to be installed -- if you are prompted now it is to i
nstall the new keys
jenkins@35.232.190.154's password:

Number of key(s) added: 1

Now try logging into the machine, with: "ssh 'jenkins@35.232.190.154'"
and check to make sure that only the key(s) you wanted were added.

[jenkins@jenkins-m ~]$ ssh jenkins@35.232.190.154
Last login: Fri Jul 23 21:02:57 2021
[jenkins@ansibleslave2 ~]$ exit
logout
Connection to 35.232.190.154 closed.
[jenkins@jenkins-m ~]$ 

```

Stage 2 Host (Right Terminal):

```

jenkins@jenkins-m:~ - Google Chrome
ssh.cloud.google.com/projects/edureka-dockercertification/zones/us-central1-a/instances/ansibleslave2?authuser=3&hl=en_US&proj...
[jenkins@ansibleslave2 ~]$ sudo vi /etc/ssh/sshd_config
[jenkins@ansibleslave2 ~]$ sudo service sshd restart
Redirecting to /bin/systemctl restart sshd.service
[jenkins@ansibleslave2 ~]$ sudo vi /etc/ssh/sshd_config
[jenkins@ansibleslave2 ~]$ sudo service sshd restart
Redirecting to /bin/systemctl restart sshd.service
[jenkins@ansibleslave2 ~]$ 

```

Bottom Stage Host (Central Terminal):

```

jenkins@jenkins-m:~ - Google Chrome
ssh.cloud.google.com/projects/edureka-dockercertification/zones/us-central1-a/instances/jenkins-m?authuser=3&hl=en_US&proj...
Cleanups : kernel-tools-libs-3.10.0-1160.31.1.el7.x86_64
Cleaning up : python-perf-3.10.0-1160.31.1.el7.x86_64
Verifying : python-perf-3.10.0-1160.36.2.el7.x86_64
Verifying : kernel-3.10.0-1160.36.2.el7.x86_64
Verifying : kernel-tools-libs-3.10.0-1160.36.2.el7.x86_64
Verifying : kernel-tools-3.10.0-1160.36.2.el7.x86_64
Verifying : kernel-tools-3.10.0-1160.31.1.el7.x86_64
Verifying : kernel-tools-libs-3.10.0-1160.31.1.el7.x86_64
Verifying : python-perf-3.10.0-1160.31.1.el7.x86_64
Installed:
kernel.x86_64 0:3.10.0-1160.36.2.el7
Updated:
kernel-tools.x86_64 0:3.10.0-1160.36.2.el7 kernel-tools-libs.x86_64 0:3.10.0-1160.36.2.el7
python-perf.x86_64 0:3.10.0-1160.36.2.el7
Complete!
[jenkins@jenkins-m ~]$ sudo wget -O /etc/yum.repos.d/jenkins.repo \
> https://pkg.jenkins.io/redhat-stable/jenkins.repo
Redirecting to /bin/systemctl restart sshd.service
[jenkins@ansibleslave2 ~]$ 

```

```
jenkins@jenkins-m ~ - Google Chrome
ssh.cloud.google.com/projects/edureka-dockercertification/zones/us-central1-a/instances/jenkins-m?authuser=3&hl=en_US&proj...
Installed:
wget.x86_64 0:1.14-18.el7_6.1

Complete!
[jenkins@jenkins-m ~]$ sudo wget -O /etc/yum.repos.d/jenkins.repo https://pkg.jenkins.io/redhat-stable/jenkins.repo
--2021-07-23 21:43:23 -- https://pkg.jenkins.io/redhat-stable/jenkins.repo
Resolving pkg.jenkins.io (pkg.jenkins.io)... 151.101.2.133, 151.101.66.133, 151.101.130.133, ...
Connecting to pkg.jenkins.io (pkg.jenkins.io)|151.101.2.133|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 85
Saving to: '/etc/yum.repos.d/jenkins.repo'

100%[=====] 85      ---K/s   in 0s
2021-07-23 21:43:23 (5.75 MB/s) - '/etc/yum.repos.d/jenkins.repo' saved [85/85]
[jenkins@jenkins-m ~]$ sudo rpm --import https://pkg.jenkins.io/redhat-stable/jenkins.io.key
[jenkins@jenkins-m ~]$ Redirecting to /bin/systemctl restart sshd.service
[jenkins@ansibleslave2 ~]$
```

```
jenkins@jenkins-m ~ - Google Chrome
ssh.cloud.google.com/projects/edureka-dockercertification/zones/us-central1-a/instances/jenkins-m?authuser=3&hl=en_US&proj...
Install 1 Package

Total download size: 71 M
Installed size: 71 M
Is this ok [y/d/N]: y
Downloading packages:
jenkins-2.289.2-1.1.noarch.rpm | 71 MB  00:00:02
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
  Installing : jenkins-2.289.2-1.1.noarch
  Verifying   : jenkins-2.289.2-1.1.noarch
Installed:
  jenkins.noarch 0:2.289.2-1.1

Complete!
[jenkins@jenkins-m ~]$ sudo systemctl daemon-reload
[jenkins@jenkins-m ~]$ Redirecting to /bin/systemctl restart sshd.service
[jenkins@ansibleslave2 ~]$
```

```
jenkins@jenkins-m ~ - Google Chrome
ssh.cloud.google.com/projects/edureka-dockercertification/zones/us-central1-a/instances/jenkins-m?authuser=3&hl=en_US&proj...
libXau.x86_64 0:1.0.8-2.1.el7
libXext.x86_64 0:1.3.3-3.el7
libXi.x86_64 0:1.7.9-1.el7
libXrender.x86_64 0:0.9.10-1.el7
libXtst.x86_64 0:1.2.3-1.el7
libfontenc.x86_64 0:1.1.3-3.el7
libjpeg-turbo.x86_64 0:1.2.90-8.el7
libxcb.x86_64 0:1.13-1.el7
libxslt.x86_64 0:1.1.28-6.el7
libsctp-tools.x86_64 0:1.0.17-2.el7
pcsc-lite-libs.x86_64 0:1.8.8-8.el7
python-javapackages.noarch 0:3.4.1-11.el7
python-lxml.x86_64 0:3.2.1-4.el7
ttm�fdir.x86_64 0:3.0.9-42.el7
tzdata-java.noarch 0:2021a-1.el7
xorg-x11-font-utils.x86_64 1:7.5-21.el7
xorg-x11-fonts-Type1.noarch 0:7.5-9.el7

Complete!
[jenkins@jenkins-m ~]$ 

Redirecting to /bin/systemctl restart sshd.service
[jenkins@ansibleslave2 ~]$ 
```

```
jenkins@jenkins-m ~ - Google Chrome
ssh.cloud.google.com/projects/edureka-dockercertification/zones/us-central1-a/instances/jenkins-m?authuser=3&hl=en_US&proj...
Complete!
[jenkins@jenkins-m ~]$ sudo systemctl daemon-reload
[jenkins@jenkins-m ~]$ sudo systemctl start jenkins
[jenkins@jenkins-m ~]$ sudo systemctl status jenkins
● jenkins.service - LSB: Jenkins Automation Server
  Loaded: loaded (/etc/rc.d/init.d/jenkins; bad; vendor preset: disabled)
  Active: active (running) since Fri 2021-07-23 21:47:14 UTC; 10s ago
    Docs: man:systemd-sysv-generator(8)
Process: 12026 ExecStart=/etc/rc.d/init.d/jenkins start (code=exited, status=0/SUCCESS)
   CGroup: /system.slice/jenkins.service
           └─12053 /etc/alternatives/java -Dcom.sun.akuma.Daemon=daemonized -Djava.awt.he...
Jul 23 21:47:13 jenkins-m systemd[1]: Starting LSB: Jenkins Automation Server...
Jul 23 21:47:13 jenkins-m runuser[12031]: pam_unix(runuser:session): session opened for ...=0)
Jul 23 21:47:14 jenkins-m jenkins[12026]: Starting Jenkins [ OK ]
Jul 23 21:47:14 jenkins-m systemd[1]: Started LSB: Jenkins Automation Server.
Hint: Some lines were ellipsized, use -l to show in full.
[jenkins@jenkins-m ~]$ curl ifconfig.co
35.192.97.2
[jenkins@jenkins-m ~]$ Redirecting to /bin/systemctl restart sshd.service
[jenkins@ansibleslave2 ~]$
```

Sign in [Jenkins] +

Not secure | 35.192.97.2:8080/login?from=%2F

Apps Job Cloud Projects Amazon Bank CUNY Official Utilities Raspi Projects Courses Faisal Resources > Other bookmarks Reading list

Getting Started

Unlock Jenkins

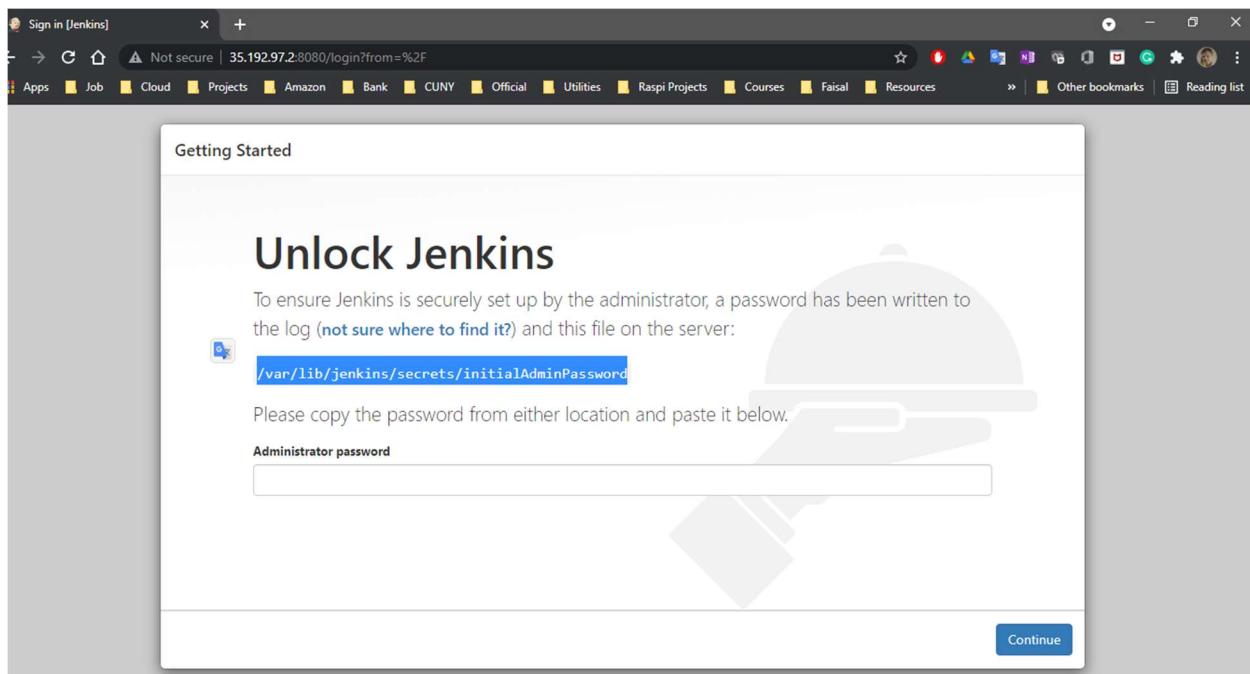
To ensure Jenkins is securely set up by the administrator, a password has been written to the log ([not sure where to find it?](#)) and this file on the server:

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

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

Administrator password

Continue



Setup Wizard [Jenkins] +

Not secure | 35.192.97.2:8080

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Getting Started

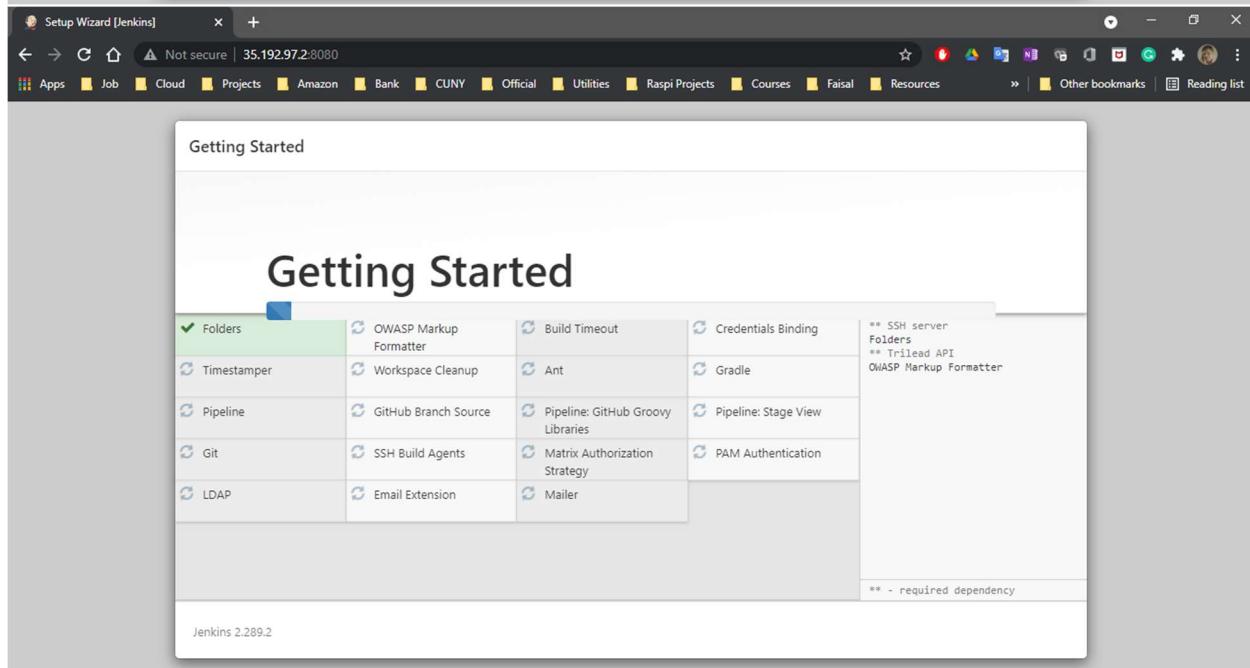
Getting Started

Folders	OWASP Markup Formatter	Build Timeout	Credentials Binding
Timestamper	Workspace Cleanup	Ant	Gradle
Pipeline	Github Branch Source	Pipeline: GitHub Groovy Libraries	Pipeline: Stage View
Git	SSH Build Agents	Matrix Authorization Strategy	PAM Authentication
LDAP	Email Extension	Mailer	

** SSH server
** Folders
** Trilead API
OWASP Markup Formatter

** - required dependency

Jenkins 2.289.2



Jenkins

Not secure | 35.192.97.2:8080/computer/createItem

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Jenkins

Faisal Ibrahim log out

Dashboard > Nodes >

[Back to Dashboard](#)

[Manage Jenkins](#)

[New Node](#)

[Configure Clouds](#)

[Node Monitoring](#)

Build Queue
No builds in the queue.

Build Executor Status
1 Idle
2 Idle

Name: slave-01

Description: slave machine one

Number of executors: 4

Remote root directory: /tmp/jenkins/workspace/

Labels: maven

Usage: Use this node as much as possible

Jenkins

Not secure | 35.192.97.2:8080/computer/createItem

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Jenkins

Dashboard > Nodes >

Build Executor Status

Add Credential

Labels

Domain: Global credentials (unrestricted)

Kind: SSH Username with private key

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

ID: (empty)

Description: Jenkins Private-Key

Username: jenkins

Treat username as secret

Availability

Advanced...

Nodes [Jenkins] Not secure | 35.192.97.2:8080/computer/

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Jenkins

Dashboard > Nodes

Back to Dashboard Manage Jenkins New Node Configure Clouds Node Monitoring

Build Queue

No builds in the queue.

Build Executor Status

S	Name ↓	Architecture	Clock Difference	Free Disk Space	Free Swap Space	Free Temp Space	Response Time
	master	Linux (amd64)	In sync	16.87 GB	0 B	16.87 GB	0ms
	slave-ansible	Linux (amd64)	In sync	17.12 GB	N/A	17.12 GB	33ms
	Data obtained	0.13 sec	0.11 sec	0.12 sec	7.5 sec	95 ms	0.1 sec

Refresh status

Nodes [Jenkins] Not secure | 35.192.97.2:8080/computer/

Apps Job Cloud Projects Amazon Bank CUNY Official Utilities Raspi Projects Courses Faisal Resources Other bookmarks Reading list

Jenkins

Dashboard > Nodes

Back to Dashboard Manage Jenkins New Node Configure Clouds Node Monitoring

Build Queue

No builds in the queue.

Build Executor Status

S	Name ↓	Architecture	Clock Difference	Free Disk Space	Free Swap Space	Free Temp Space	Response Time
	master	Linux (amd64)	In sync	16.87 GB	0 B	16.87 GB	0ms
	slave-ansible	Linux (amd64)	In sync	17.12 GB	N/A	17.12 GB	33ms
	Data obtained	0.13 sec	0.11 sec	0.12 sec	7.5 sec	95 ms	0.1 sec

Refresh status

The screenshot shows a Jenkins dashboard with a terminal window open. The terminal window displays a yum transaction log for installing packages on an Ansible slave node. The log includes package names, versions, and download sizes.

```
jenkins@ansibleslave:~ - Google Chrome
ssh.cloud.google.com/projects/edureka-dockercertification/zones/us-central1-a/instances/ansibleslave?authuser=3&hl=en_US&project...
libXau.x86_64 0:1.0.8-2.1.el7
libXext.x86_64 0:1.3.3-3.el7
libXi.x86_64 0:1.7.9-1.el7
libXrender.x86_64 0:0.9.9-1.el7
libXtst.x86_64 0:1.2.4-1.el7
libfontenc.x86_64 0:1.1.3-3.el7
libpng.x86_64 1.6.29-0.1.el7
libjpeg-turbo.x86_64 19(33): libXrender-0.9.10-1.el7.x86_64.rpm | 26 kB 00:00:00
libxcb.x86_64(20/33): libXtst-1.2.3-1.el7.x86_64.rpm | 20 kB 00:00:00
libxslt.x86_64(21/33): libfontenc-1.1.3-3.el7.x86_64.rpm | 31 kB 00:00:00
lkscpt-tools.(22/33): libjpeg-turbo-1.2.90-8.el7.x86_64.rpm | 135 kB 00:00:00
pcsc-lite-lik(23/33): java-11-openjdk-headless-11.0.12.0.7-0.el7_9.x86_64.rpm | 39 MB 00:00:00
python-javapackages(24/33): libxslt-1.1.28-6.el7.x86_64.rpm | 242 kB 00:00:00
python-lxml.(25/33): libxcb-1.13-1.el7.x86_64.rpm | 214 kB 00:00:00
ttmfdir.x86_64(26/33): lkscpt-tools-1.0.17-2.el7.x86_64.rpm | 88 kB 00:00:00
tzdata-java.(27/33): python-javapackages-3.4.1-11.el7.noarch.rpm | 31 kB 00:00:00
xorg-x11-fonts(28/33): python-lxml-3.2.1-4.el7.x86_64.rpm | 758 kB 00:00:00
xorg-x11-fonts(29/33): pcsc-lite-libs-1.8.8-8.el7.x86_64.rpm | 34 kB 00:00:00
(30/33): tzdata-java-2021a-1.el7.noarch.rpm | 191 kB 00:00:00
(31/33): ttmfdir-3.0.9-42.el7.x86_64.rpm | 48 kB 00:00:00
(32/33): xorg-x11-font-utils-7.5-21.el7.x86_64.rpm | 104 kB 00:00:00
(33/33): xorg-x11-fonts-Type1-7.5-9.el7.noarch.rpm | 521 kB 00:00:00

Total 35 MB/s | 48 MB 00:00:01

Running transaction check
Running transaction test
```

The screenshot shows the Jenkins dashboard with the following details:

- Nodes [Jenkins]**: The current page is "Nodes".
- Header:** Not secure | 35.192.97.2:8080/computer/
- Top Bar:** Apps, Job, Cloud, Projects, Amazon, Bank, CUNY, Official, Utilities, Raspi Projects, Courses, Faisal, Resources, Other bookmarks, Reading list.
- User:** Faisal Ibrahim, log out.
- Dashboard:** Back to Dashboard, Manage Jenkins, New Node, Configure Clouds, Node Monitoring.
- Build Queue:** Build Queue section is collapsed. It says "No builds in the queue." and has a "Refresh status" button.
- Build Executor Status:** Build Executor Status section is collapsed. It shows "master" with 1 Idle and 2 Idle items.
- Nodes Table:** A table listing the following nodes:

S	Name	Architecture	Clock Difference	Free Disk Space	Free Swap Space	Free Temp Space	Response Time
1	master	Linux (amd64)	In sync	16.87 GB	0 B	16.87 GB	0ms
2	slave-ansible	Linux (amd64)	In sync	17.12 GB	0 B	17.12 GB	31ms
3	slave-ansible1	Linux (amd64)	In sync	17.09 GB	0 B	17.09 GB	28ms
4	slave-ansible2	Linux (amd64)	In sync	17.23 GB	0 B	17.23 GB	26ms

```
ansible@ansible:~$ ssh.cloud.google.com/projects/edureka-dockercertification/zones/us-central1-a/instances/ansible?authuser=3&hl=en_US&projectNum...  
[ansible@ansible immortalkrazy]$ ansible -m command -a "uptime" webservers  
34.72.125.134 | CHANGED | rc=0 >>  
17:51:14 up 17 min, 2 users, load average: 0.00, 0.01, 0.01  
34.69.204.228 | CHANGED | rc=0 >>  
17:51:14 up 17 min, 2 users, load average: 0.00, 0.01, 0.02  
[ansible@ansible immortalkrazy]$ ansible -m command -a "df -kh" webservers  
34.72.125.134 | CHANGED | rc=0 >>  


| Filesystem | Size | Used | Avail | Use% | Mounted on     |
|------------|------|------|-------|------|----------------|
| devtmpfs   | 1.9G | 0    | 1.9G  | 0%   | /dev           |
| tmpfs      | 1.9G | 0    | 1.9G  | 0%   | /dev/shm       |
| tmpfs      | 1.9G | 8.5M | 1.9G  | 1%   | /run           |
| tmpfs      | 1.9G | 0    | 1.9G  | 0%   | /sys/fs/cgroup |
| /dev/sda2  | 20G  | 2.6G | 18G   | 13%  | /              |
| /dev/sdal  | 200M | 12M  | 189M  | 6%   | /boot/efi      |
| tmpfs      | 379M | 0    | 379M  | 0%   | /run/user/1000 |
| tmpfs      | 379M | 0    | 379M  | 0%   | /run/user/1001 |


| Filesystem | Size | Used | Avail | Use% | Mounted on     |
|------------|------|------|-------|------|----------------|
| devtmpfs   | 1.9G | 0    | 1.9G  | 0%   | /dev           |
| tmpfs      | 1.9G | 0    | 1.9G  | 0%   | /dev/shm       |
| tmpfs      | 1.9G | 8.5M | 1.9G  | 1%   | /run           |
| tmpfs      | 1.9G | 0    | 1.9G  | 0%   | /sys/fs/cgroup |
| /dev/sda2  | 20G  | 2.6G | 18G   | 13%  | /              |
| /dev/sdal  | 200M | 12M  | 189M  | 6%   | /boot/efi      |
| tmpfs      | 379M | 0    | 379M  | 0%   | /run/user/1000 |
| tmpfs      | 379M | 0    | 379M  | 0%   | /run/user/1001 |

  
[ansible@ansible immortalkrazy]$
```

```
ansible@ansible:~$ ssh.cloud.google.com/projects/edureka-dockercertification/zones/us-central1-a/instances/ansible?authuser=3&hl=en_US&projectNum...
34.69.204.228 | CHANGED | rc=0 >>
Filesystem      Size  Used Avail Use% Mounted on
/dev/tmpfs       1.9G   0    1.9G  0% /dev
tmpfs           1.9G   0    1.9G  0% /dev/shm
tmpfs           1.9G  8.5M  1.9G  1% /run
tmpfs           1.9G   0    1.9G  0% /sys/fs/cgroup
/dev/sda2        20G  2.6G  18G  13% /
/dev/sdal       200M  12M  189M  6% /boot/efi
tmpfs           379M   0   379M  0% /run/user/1000
tmpfs           379M   0   379M  0% /run/user/1001
[ansible@ansible immortalkrazy]$ ansible -m yum -a "name=git state=present" webservers
34.72.125.134 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python"
  },
  "changed": false,
  "msg": "",
  "rc": 0,
  "results": [
    "git-1.8.3.1-23.el7_8.x86_64 providing git is already installed"
  ]
}
34.69.204.228 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python"
  },
  "changed": false,
  "msg": "",
  "rc": 0,
  "results": [
    "git-1.8.3.1-23.el7_8.x86_64 providing git is already installed"
  ]
}
[ansible@ansible immortalkrazy]$
```

```
ansible@ansible:~ - Google Chrome
ssh.cloud.google.com/projects/edureka-dockercertification/zones/us-central1-a/instances/ansible?authuser=3&hl=en_US&projectNum...
[ansible@ansible immortalkrazy]$ ansible -m yum -a "name=httpd state=present" webservers
34.72.125.134 | SUCCESS => {
    "ansible_facts": {
        "discovered_interpreter_python": "/usr/bin/python"
    },
    "changed": false,
    "msg": "",
    "rc": 0,
    "results": [
        "httpd-2.4.6-97.el7.centos.x86_64 providing httpd is already installed"
    ]
}
34.69.204.228 | SUCCESS => {
    "ansible_facts": {
        "discovered_interpreter_python": "/usr/bin/python"
    },
    "changed": false,
    "msg": "",
    "rc": 0,
    "results": [
        "httpd-2.4.6-97.el7.centos.x86_64 providing httpd is already installed"
    ]
}
[ansible@ansible immortalkrazy]$ ansible -m service -a "name=httpd state=started" webservers

```

```
ansible@ansible:~ - Google Chrome
ssh.cloud.google.com/projects/edureka-dockercertification/zones/us-central1-a/instances/ansible?authuser=3&hl=en_US&projectNum...
)
34.69.204.228 | FAILED! => {
    "ansible_facts": {
        "discovered_interpreter_python": "/usr/bin/python"
    },
    "changed": false,
    "msg": "Unable to start service httpd: Failed to start httpd.service: Connection timed out\nSee system logs and 'systemctl status httpd.service' for details.\n"
}
[ansible@ansible immortalkrazy]$ ansible -m yum -a "name=httpd state=present" webservers --become
34.72.125.134 | SUCCESS => {
    "ansible_facts": {
        "discovered_interpreter_python": "/usr/bin/python"
    },
    "changed": false,
    "msg": "",
    "rc": 0,
    "results": [
        "httpd-2.4.6-97.el7.centos.x86_64 providing httpd is already installed"
    ]
}
34.69.204.228 | SUCCESS => {
    "ansible_facts": {
        "discovered_interpreter_python": "/usr/bin/python"
    },
    "changed": false,
    "msg": "",
    "rc": 0,
    "results": [
        "httpd-2.4.6-97.el7.centos.x86_64 providing httpd is already installed"
    ]
}
[ansible@ansible immortalkrazy]$ 
```

```
ansible@ansible:~/home/immortalkrazy - Google Chrome
ssh.cloud.google.com/projects/edureka-dockercertification/zones/us-central1-a/instances/ansible?authuser=3&hl=en_US&projectNum...
34.69.204.228 | FAILED! => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python"
  },
  "changed": false,
  "msg": "Unable to start service httpd: Failed to start httpd.service: Connection timed out\nSee system logs and 'systemctl status httpd.service' for details.\n"
}
[ansible@ansible immortalkrazy]$ ansible -m yum -a "name=httpd state=present" webservers --become
34.72.125.134 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python"
  },
  "changed": true,
  "msg": "jenkins@jenkins-m immortalkrazy$ service status jenkins
The service command supports only basic LSB actions (start, stop, restart, try-restart, reload, force-reload, status). For other actions, please try to use systemctl.
jenkins@jenkins-m immortalkrazy$ service jenkins status
/etc/sysconfig/jenkins not readable. Perhaps you forgot 'sudo'?
jenkins@jenkins-m immortalkrazy$ sudo service jenkins status
● jenkins.service - LSB: Jenkins Automation Server
  Loaded: loaded (/etc/rc.d/init.d/jenkins; bad; vendor preset: disabled)
  Active: active (running) since Thu 2021-07-29 17:33:43 UTC; 1h 14min ago
    Docs: man:systemd-sysv-generator(8)
  Process: 847 ExecStart=/etc/rc.d/init.d/jenkins start (code=exited, status=0/SUCCESS)
  CGroup: /system.slice/jenkins.service
          └─1214 /etc/alternatives/java -Dcom.sun.akuma.Daemon=daemonized -Djava.awt.head...
34.69.204.228 | "ansible_facts": {
  "discovered_interpreter_python": "/usr/bin/python"
},
  "changed": true,
  "msg": "jenkins@jenkins-m immortalkrazy$ sudo service jenkins start
Jul 29 17:33:41 jenkins-m systemd[1]: Starting LSB: Jenkins Automation Server...
Jul 29 17:33:41 jenkins-m runuser[869]: pam_unix(runuser:session): session opened for user jenkins
Jul 29 17:33:43 jenkins-m jenkins[847]: Starting Jenkins [ OK ]
Jul 29 17:33:43 jenkins-m systemd[1]: Started LSB: Jenkins Automation Server.
}
[ansible@ansible: Hint: Some lines were ellipsized, use -l to show in full.
[jenkins@jenkins-m immortalkrazy]$ "
jenkins@jenkins-m immortalkrazy - Google Chrome
ssh.cloud.google.com/projects/edureka-dockercertification/zones/us-central1-a/instances/jenkins-m?authuser=3&hl=en_US... 2:57:9D
[jenkins@jenkins-m immortalkrazy]$ projectNum...
[jenkins@jenkins-m immortalkrazy]$ DE:BD:75

jenkins@jenkins-m:~/home/immortalkrazy$ ssh.cloud.google.com/projects/edureka-dockercertification/zones/us-central1-a/instances/jenkins-m?authuser=3&hl=en_US...
jenkins@jenkins-m:~/home/immortalkrazy$ jenkins@ansible:~/home/immortalkrazy$ jenkins@ansibleslave:~/home/immortalkrazy$ jenkins@ansibleslave2:~/home/immortalkrazy$ root@docker:/home/immortalkrazy$ Connected, host fingerprint: ssh-rsa 0 6C:B0:32:2D:C2:7A:71:23:84:2E:52:7C:3A:EF :63:AF:04:22:FD:7C:57:B9:48:6E:5C:46:30:AE:D2:BE:ID:08 Last login: Thu Jul 29 17:36:13 2021 from 35.235.241.17 [immortalkrazy@jenkins-m:~]$ su jenkins Password: [jenkins@jenkins-m immortalkrazy]$ ssh-copy-id -i jenkins@34.136.198.167 /usr/bin/ssh-copy-id: INFO: Source of key(s) to be installed: "/home/jenkins/.ssh/id_rsa.pub" /usr/bin/ssh-copy-id: INFO: attempting to log in with the new key(s), to filter out any that are already installed /usr/bin/ssh-copy-id: INFO: 1 key(s) remain to be installed -- if you are prompted now it is to install the new keys Permission denied (publickey,gssapi-keyex,gssapi-with-mic). [jenkins@jenkins-m immortalkrazy]$ ssh-copy-id -i jenkins@34.136.198.167 /usr/bin/ssh-copy-id: INFO: Source of key(s) to be installed: "/home/jenkins/.ssh/id_rsa.pub" /usr/bin/ssh-copy-id: INFO: attempting to log in with the new key(s), to filter out any that are already installed /usr/bin/ssh-copy-id: INFO: 1 key(s) remain to be installed -- if you are prompted now it is to install the new keys jenkins@34.136.198.167's password: Number of key(s) added: 1 Now try logging into the machine, with: "ssh 'jenkins@34.136.198.167'" and check to make sure that only the key(s) you wanted were added. [jenkins@jenkins-m immortalkrazy]$ ssh jenkins@34.136.198.167 Last failed login: Thu Jul 29 19:44:49 UTC 2021 from 205.72.197.104.bc.googleusercontent.com on ssh:notty There were 6 failed login attempts since the last successful login. [jenkins@docker:~]$ exit logout Connection to 34.136.198.167 closed. [jenkins@jenkins-m immortalkrazy]$ 
```

```
jenkins@jenkins-m:~$ ssh.cloud.google.com/projects/edureka-dockercertification/zones/us-central1-a/instances/jenkins-m?authuser=3&hl=en_US... +  
Connected, host fingerprint: ssh-rsa 0 6C:B0:32:2D:C2:7A:71:23:84:2E:52:7C:1A:3:EF  
:63:AF:04:22:FD:7C:57:89:48:6E:5C:46:30:AE:D2:BE:1b:08  
Last login: Thu Jul 29 17:36:13 2021 from 35.235.241.17  
(immortalkrazy@jenkins-m ~)$ su jenkins  
Password:  
[jenkins@jenkins-m immortalkrazy]$ ssh-copy-id -i jenkins@34.136.198.167  
/usr/bin/ssh-copy-id: INFO: Source of key(s) to be installed: "/home/jenkins/.ssh/id_rsa.pub"  
/usr/bin/ssh-copy-id: INFO: attempting to log in with the new key(s), to filter out any that are already installed  
/usr/bin/ssh-copy-id: INFO: 1 key(s) remain to be installed -- if you are prompted now it is to install the new keys  
Permission denied (publickey,gssapi-keyex,gssapi-with-mic).  
[jenkins@jenkins-m immortalkrazy]$ ssh-copy-id -i jenkins@34.136.198.167  
/usr/bin/ssh-copy-id: INFO: Source of key(s) to be installed: "/home/jenkins/.ssh/id_rsa.pub"  
/usr/bin/ssh-copy-id: INFO: attempting to log in with the new key(s), to filter out any that are already installed  
/usr/bin/ssh-copy-id: INFO: 1 key(s) remain to be installed -- if you are prompted now it is to install the new keys  
jenkins@34.136.198.167's password:  
  
Number of key(s) added: 1  
  
Now try logging into the machine, with: "ssh 'jenkins@34.136.198.167'"  
and check to make sure that only the key(s) you wanted were added.  
  
[jenkins@jenkins-m immortalkrazy]$ ssh jenkins@34.136.198.167  
Last failed login: Thu Jul 29 19:14:49 UTC 2021 from 205.72.197.104.bc.googleusercontent.com on ssh:notty  
There were 6 failed login attempts since the last successful login.  
[jenkins@docker ~]$ exit  
logout  
Connection to 34.136.198.167 closed.  
[jenkins@jenkins-m immortalkrazy]$
```

```
jenkins@jenkins-m:~$ ssh.cloud.google.com/projects/edureka-dockercertification/zones/us-central1-a/instances/jenkins-m?authuser=3&hl=en_US... +  
Apps Job Cloud Projects Amazon Bank CUNY Official Utilities Rasp Pi Projects Courses Faisal Resources >> Other bookmarks Reading list  
/usr/bin/ssh-copy-id: INFO: 1 key(s) remain to be installed -- if you are prompted now it is to install the new keys  
Permission denied (publickey,gssapi-keyex,gssapi-with-mic).  
[jenkins@jenkins-m immortalkrazy]$ ssh-copy-id -i jenkins@34.136.198.167  
/usr/bin/ssh-copy-id: INFO: Source of key(s) to be installed: "/home/jenkins/.ssh/id_rsa.pub"  
/usr/bin/ssh-copy-id: INFO: attempting to log in with the new key(s), to filter out any that are already installed  
/usr/bin/ssh-copy-id: INFO: 1 key(s) remain to be installed -- if you are prompted now it is to install the new keys  
jenkins@34.136.198.167's password:  
  
Number of key(s) added: 1  
  
Now try logging into the machine, with: "ssh 'jenkins@34.136.198.167'"  
and check to make sure that only the key(s) you wanted were added.  
  
[jenkins@jenkins-m immortalkrazy]$ ssh jenkins@34.136.198.167  
Last failed login: Thu Jul 29 19:14:49 UTC 2021 from 205.72.197.104.bc.googleusercontent.com on ssh:notty  
There were 6 failed login attempts since the last successful login.  
[jenkins@docker ~]$ exit  
logout  
Connection to 34.136.198.167 closed.  
[jenkins@jenkins-m immortalkrazy]$ ssh-copy-ad -i jenkins@34.136.198.167  
bash: ssh-copy-ad: command not found  
[jenkins@jenkins-m immortalkrazy]$ ssh-copy-id -i jenkins@34.136.198.167  
/usr/bin/ssh-copy-id: INFO: Source of key(s) to be installed: "/home/jenkins/.ssh/id_rsa.pub"  
/usr/bin/ssh-copy-id: INFO: attempting to log in with the new key(s), to filter out any that are already installed  
  
/usr/bin/ssh-copy-id: WARNING: All keys were skipped because they already exist on the remote system.  
      (if you think this is a mistake, you may want to use -f option)  
  
[jenkins@jenkins-m immortalkrazy]$ ssh jenkins@34.136.198.167  
Last login: Thu Jul 29 19:32:48 2021 from 205.72.197.104.bc.googleusercontent.com  
[jenkins@docker ~]$ exit  
logout  
Connection to 34.136.198.167 closed.  
[jenkins@jenkins-m immortalkrazy]$ █
```

The screenshot shows the Jenkins Nodes page. On the left, there's a sidebar with links like Back to Dashboard, Manage Jenkins, New Node, Configure Clouds, and Node Monitoring. Below that is a Build Queue section indicating 'No builds in the queue.' Under Build Executor Status, it shows 'master' with 1 idle and 2 idle executors. The main area displays a table of build nodes:

S	Name	Architecture	Clock Difference	Free Disk Space	Free Swap Space	Free Temp Space	Response Time
1	master	Linux (amd64)	In sync	16.87 GB	0 B	16.87 GB	0ms
2	slave-ansible	Linux (amd64)	In sync	17.12 GB	0 B	17.12 GB	38ms
3	slave-ansible1	Linux (amd64)	In sync	17.10 GB	0 B	17.10 GB	16ms
4	slave-docker	Linux (amd64)	In sync	13.41 GB	0 B	13.41 GB	49ms

A 'Refresh status' button is located at the bottom right of the table.

The screenshot shows the Jenkins Dashboard page. On the left, there's a sidebar with links like New Item, People, Build History, Project Relationship, Check File Fingerprint, Manage Jenkins, My Views, Lockable Resources, and New View. Below that is a Build Queue section indicating 'No builds in the queue.' The main area features a 'Welcome to Jenkins!' message with a sub-section 'Start building your software project' containing a 'Create a job' button.

```

jenkins@jenkins-m:~$ ssh.cloud.google.com/projects/edureka-dockercertification/zones/us-central1-a/instances/jenkins-m?authuser=3&hl=en_US...
Running transaction
  Installing : 1:perl-Error-0.17020-2.el7.noarch
  Installing : compat-libtidy-0.99.0-37.20091203.el7.x86_64
  Installing : libzip-0.10.1-8.el7.x86_64
  Installing : php-common-5.4.16-48.el7.x86_64
  Installing : php-fedorautoloader-1.0.1-2.el7.noarch
  Installing : php-phunit-text-template-1.2.0-5.el7.noarch
  Installing : php-xml-5.4.16-48.el7.x86_64
  Installing : php-doctrine-instantiator-1.0.5-1.el7.noarch
  Installing : php-mbstring-5.4.16-48.el7.x86_64
  Installing : php-phunit-diff-1.4.3-1.el7.noarch
  Installing : php-phunit-PHP-Timer-1.0.9-1.el7.noarch
  Installing : php-symfony-class-loader-2.8.12-2.el7.noarch
  Installing : php-symfony-common-2.8.12-2.el7.noarch
  Installing : php-cli-5.4.16-48.el7.x86_64
  Installing : php-phunit-File-Iterator-1.4.0-1.el7.noarch
  Installing : php-phunit-environment-1.3.2-1.el7.noarch
  Installing : php-sebastian-recursion-context-1.0.2-1.el7.noarch
  Installing : php-phunit-exporter-1.2.2-1.el7.noarch
  Installing : php-phunit-comparator-1.2.4-1.el7.noarch
  Installing : php-phunit-PHP-Invoker-1.1.3-6.el7.noarch
  Installing : php-symfony-yaml-2.8.12-2.el7.noarch
  Installing : php-phunit-PHP-TokenStream-1.4.11-1.el7.noarch
  Installing : php-soap-5.4.16-48.el7.x86_64
  Installing : php-phunit-MockObject-2.3.8-1.el7.noarch
  Installing : php-phptdocumentor-reflection-docblock-2.0.4-1.el7.noarch
  Installing : php-phpspec-prophecy-1.4.1-1.el7.noarch
  Installing : php-tidy-5.4.16-9.el7.x86_64
  Installing : php-sebastian-global-state-1.1.1-1.el7.noarch
  Installing : perl-TermReadKey-2.30-20.el7.x86_64
  Installing : rsync-3.1.2-10.el7.x86_64
  Installing : perl-Git-1.8.3.1-23.el7_8.noarch
  Installing : git-1.8.3.1-23.el7_8.x86_64 [#####
  1 32/35

jenkins@jenkins-m:~$ ssh.cloud.google.com/projects/edureka-dockercertification/zones/us-central1-a/instances/jenkins-m?authuser=3&hl=en_US...
Verifying : php-tidy-5.4.16-9.el7.x86_64
Verifying : php-doctrine-instantiator-1.0.5-1.el7.noarch
Verifying : php-phunit-PHP-TokenStream-1.4.11-1.el7.noarch
Verifying : php-sebastian-global-state-1.1.1-1.el7.noarch
Verifying : php-symfony-common-2.8.12-2.el7.noarch
Verifying : php-mbstring-5.4.16-48.el7.x86_64
Verifying : php-phunit-environment-1.3.2-1.el7.noarch
Verifying : php-phunit-exporter-1.2.2-1.el7.noarch
Verifying : php-sebastian-recursion-context-1.0.2-1.el7.noarch
Installed:
  php-phunit-PHPUnit.noarch 0:4.8.36-1.el7

Dependency Installed:
  compat-libtidy.x86_64 0:0.99.0-37.20091203.el7
  libzip.x86_64 0:0.10.1-8.el7
  perl-Git.noarch 0:1.8.3.1-23.el7_8
  php-cli.x86_64 0:5.4.16-48.el7
  php-doctrine-instantiator.noarch 0:1.0.5-1.el7
  php-mbstring.x86_64 0:5.4.16-48.el7
  php-phpspec-prophecy.noarch 0:1.4.1-1.el7
  php-phunit-PHP-CodeCoverage.noarch 0:2.2.4-1.el7
  php-phunit-PHP-Timer.noarch 0:1.0.9-1.el7
  php-phunit-PHPUnit-MockObject.noarch 0:2.3.8-1.el7
  php-phunit-Version.noarch 0:1.0.5-1.el7
  php-phunit-diff.noarch 0:1.4.3-1.el7
  php-phunit-exporter.noarch 0:1.2.2-1.el7
  php-sebastian-recursion-context.noarch 0:1.0.2-1.el7
  php-symfony-class-loader.noarch 0:2.8.12-2.el7
  php-symfony-yaml.noarch 0:2.8.12-2.el7
  php-xml.x86_64 0:5.4.16-48.el7
  git.x86_64 0:1.8.3.1-23.el7_8
  perl-Error.noarch 1:0.17020-2.el7
  perl-TermReadKey.x86_64 0:2.30-20.el7
  php-common.x86_64 0:5.4.16-48.el7
  php-fedorautoloader.noarch 0:1.0.1-2.el7
  php-phptdocumentor-reflection-docblock.noarch 0:2.0.4-1.el7
  php-phunit-File-Iterator.noarch 0:1.4.0-1.el7
  php-phunit-PHP-Invoker.noarch 0:1.1.3-6.el7
  php-phunit-PHP-TokenStream.noarch 0:1.4.11-1.el7
  php-phunit-Text-Template.noarch 0:1.2.0-5.el7
  php-phunit-comparator.noarch 0:1.2.4-1.el7
  php-phunit-environment.noarch 0:1.3.2-1.el7
  php-sebastian-global-state.noarch 0:1.1.1-1.el7
  php-soap.x86_64 0:5.4.16-48.el7
  php-symfony-common.noarch 0:2.8.12-2.el7
  php-tidy.x86_64 0:5.4.16-9.el7
  rsync.x86_64 0:3.1.2-10.el7
  27/35
  28/35
  29/35
  30/35
  31/35
  32/35
  33/35
  34/35
  35/35

Complete!
[jenkins@jenkins-m ssh]$

```

The screenshot shows two windows side-by-side. The top window is the Jenkins 'Plugin Manager' showing a list of installed plugins. The bottom window is a Visual Studio Code editor showing PHP code in an 'about-us.php' file.

Jenkins Plugin Manager:

Plugin Name	Description	Version	Action
Email Extension Plugin	This plugin is a replacement for Jenkins's email publisher. It allows to configure every aspect of email notifications: when an email is sent, who should receive it and what the email says	2.83	Uninstall
Jackson 2 API Plugin	This plugin exposes the Jackson 2 JSON APIs to other Jenkins plugins.	2.12.4	Uninstall
JUnit Plugin	Allows JUnit-format test results to be published.	1.51	Uninstall
Matrix Project Plugin	Multi-configuration (matrix) project type.	1.19	Uninstall
Pipeline: API	Plugin that defines Pipeline API.	2.46	Uninstall
Pipeline: Step API	API for asynchronous build step primitive.	2.24	Uninstall
Plugin Utilities API Plugin	Provides several utility classes that can be used to accelerate plugin development.	2.4.0	Uninstall

Visual Studio Code Editor:

```
<p id="PID-ab2-pg">This is <b>about</b> page. Lorem Ipsum D ipsum is simply dummy text of the printing and typesetting industry. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.</p>
```

The code editor shows the 'about-us.php' file with the above content. The 'Code' tab is selected in the bottom right corner of the editor.

Dashboard > Global Tool Configuration

JDK Installations

Add JDK

JDK

Name:

Install automatically

Install Oracle Java SE Development Kit from the website

Version:

I agree to the Java SE Development Kit License Agreement

Oracle Java SE 11+ is not available for business, commercial or production use without a commercial license.
Public updates for Oracle Java SE 8 released after January 2019 will not be available for business, commercial or production use without a commercial license.
[Oracle Java SE Licensing FAQ](#)

[Delete Installer](#)

Add Installer ▾

[Save](#) [Apply](#)

Global Tool Configuration

Name:

Install automatically

Install from Apache

Version:

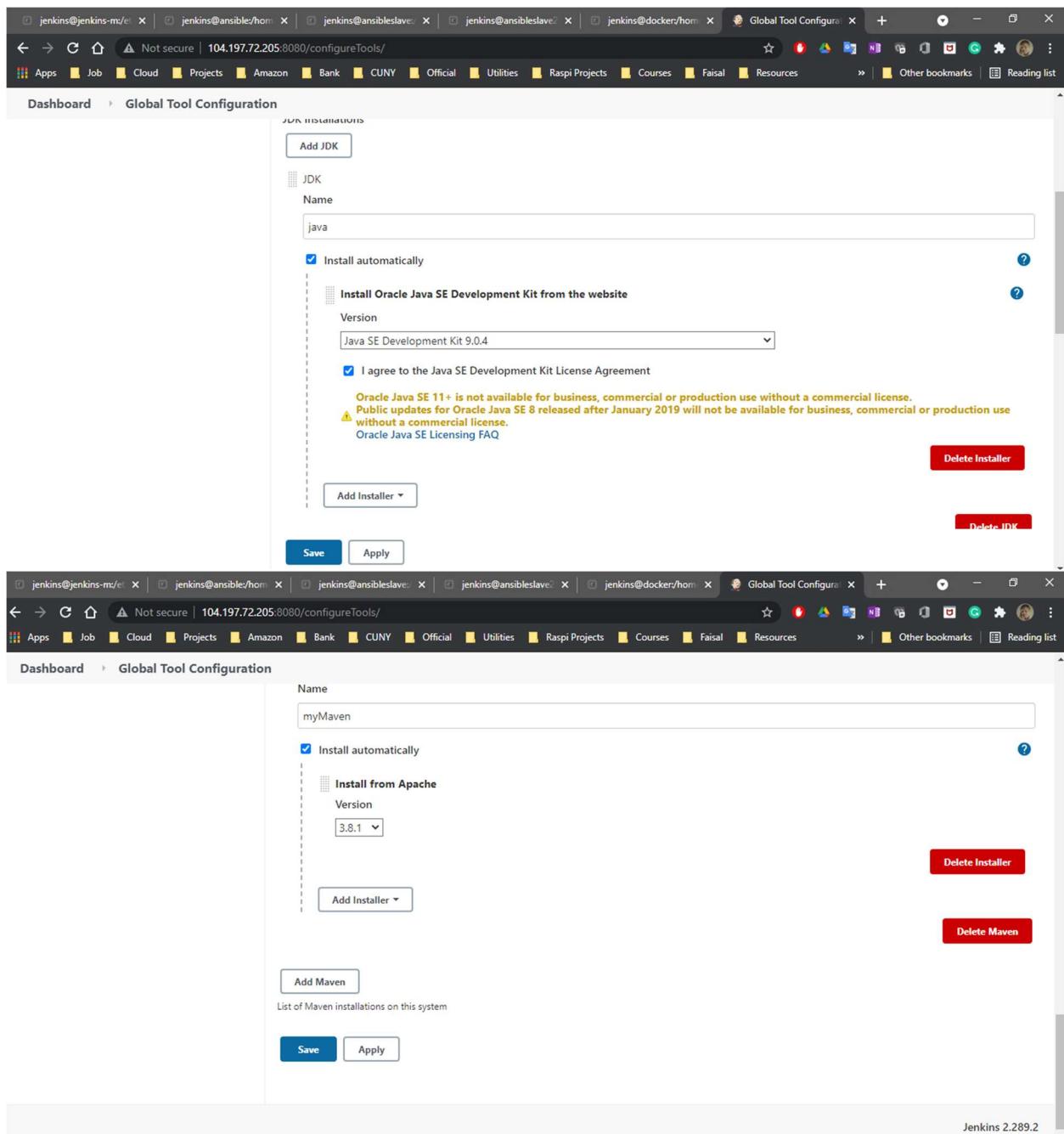
[Delete Installer](#)

Add Maven

List of Maven installations on this system

[Save](#) [Apply](#)

Jenkins 2.289.2



jenkins@jenkins-m:~| jenkins@ansible:home | jenkins@ansibleslave:~| jenkins@ansibleslave:~| jenkins@docker/home | New Item [Jenkins] | + | - | X

Not secure | 104.197.72.205:8080/view/all/new.job

Apps Job Cloud Projects Amazon Bank CUNY Official Utilities Raspi Projects Courses Faisal Resources > Other bookmarks Reading list

Jenkins

Dashboard > All >

Enter an item name

Required field

Freestyle project
This is the central feature of Jenkins. Jenkins will build your project, combining any SCM with any build system, and this can be even used for something other than software build.

Pipeline
Orchestrates long-running activities that can span multiple build agents. Suitable for building pipelines (formerly known as workflows) and/or organizing complex activities that do not easily fit in free-style job type.

Multi-configuration project
Suitable for projects that need a large number of different configurations, such as testing on multiple environments, platform-specific builds, etc.

OK Creates a container that stores nested items in it. Useful for grouping things together. Unlike view, which is just a filter, a folder creates a

jenkins@jenkins-m:~| jenkins@ansible:home | jenkins@ansibleslave:~| jenkins@ansibleslave:~| jenkins@docker/home | pull-code Config Jenk | + | - | X

Not secure | 104.197.72.205:8080/job/pull-code/configure

Apps Job Cloud Projects Amazon Bank CUNY Official Utilities Raspi Projects Courses Faisal Resources > Other bookmarks Reading list

Dashboard > pull-code >

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

Git

Repositories

Repository URL

Credentials

Advanced... Add Repository

Branches to build

Branch Specifier (blank for 'any')

Save Apply Add Branch

Dashboard > pull-code

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

Build Triggers

Build periodically GitHub hook trigger for GITScm polling Poll SCM

Schedule H/5 * * * *

Would last have run at Thursday, July 29, 2021 at 9:56:06 PM Coordinated Universal Time; would next run at Thursday, July 29, 2021 at 10:01:06 PM Coordinated Universal Time.

Ignore post-commit hooks

Build Environment

Delete workspace before build starts

Patterns for files to be deleted

Add Save Apply

Dashboard > pull-code

Workspace Recent Changes

Permalinks

Build History trend ^

find

#2 Jul 29, 2021 10:01 PM

#1 Jul 29, 2021 10:00 PM

Atom feed for all Atom feed for failures

REST API Jenkins 2.289.2

Jenkins

Dashboard > pull-code > #2

Build #2 (Jul 29, 2021, 10:01:29 PM)

No changes.

Started by an SCM change

Revision: 975e894179e66f81cff46819b836851f60e25ab
Repository: <https://github.com/edureka-devops/projCert.git>

refs/remotes/origin/master

Keep this build forever

add description Started 26 sec ago
Took 1.2 sec on slave-docker

Back to Project Status Changes Console Output Edit Build Information Delete build '#2' Polling Log Git Build Data Previous Build

REST API Jenkins 2.289.2

Console Output

Started by an SCM change
Running as SYSTEM
Building remotely on slave-docker (blue) in workspace /home/jenkins/workspace/pull-code
[WS-CLEANUP] Deleting project workspace...
[WS-CLEANUP] Deferred wipeout is used...
[WS-CLEANUP] Done
The recommended git tool is: NONE
No credentials specified
Cloning the remote Git repository
Cloning repository <https://github.com/edureka-devops/projCert.git>
> git init /home/jenkins/workspace/pull-code # timeout=10
Fetching upstream changes from <https://github.com/edureka-devops/projCert.git>
> git --version # timeout=10
> git --version # 'git' version 1.8.3.1'
> git fetch --tags --progress <https://github.com/edureka-devops/projCert.git> +refs/heads/*:refs/remotes/origin/* # timeout=10
> git config remote.origin.url <https://github.com/edureka-devops/projCert.git> # 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 975e894179e66f81cff46819b836851f60e25ab (refs/remotes/origin/master)
> git config core.sparsecheckout # timeout=10
> git checkout -f 975e894179e66f81cff46819b836851f60e25ab # timeout=10
Commit message: "Update home.php"
> git rev-list --no-walk 975e894179e66f81cff46819b836851f60e25ab # timeout=10
Finished: SUCCESS

Back to Project Status Changes Console Output View as plain text Edit Build Information Delete build '#2' Polling Log Git Build Data Previous Build

Jenkins Console Output for pull-code #2

```

Started by an SCM change
Running as SYSTEM
Building remotely on slave-docker (blue) in workspace /home/jenkins/workspace/pull-code
[WS-CLEANUP] Deleting project workspace...
[WS-CLEANUP] Deferred wipeout is used...
[WS-CLEANUP] Done
The recommended git tool is: NONE
No credentials specified
Cloning the remote Git repository
Cloning repository https://github.com/edureka-devops/projCert.git
> git init /home/jenkins/workspace/pull-code # timeout=10
Fetching upstream changes from https://github.com/edureka-devops/projCert.git
> git --version # timeout=10
> git --version # 'git version 1.8.3.1'
> git fetch --tags --progress https://github.com/edureka-devops/projCert.git +refs/heads/*:refs/remotes/origin/*
> git config remote.origin.url https://github.com/edureka-devops/projCert.git # 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 975e894179e66f81cff46819b36851f60e25ab (refs/remotes/origin/master)
> git config core.sparsecheckout # timeout=10
> git checkout -f 975e894179e66f81cff46819b36851f60e25ab # timeout=10
Commit message: "Update home.php"
> git rev-list --no-walk 975e894179e66f81cff46819b36851f60e25ab # timeout=10
Finished: SUCCESS

```

SSH Session on ssh.cloud.google.com

```

Verifying : 1:java-11-openjdk-devel-11.0.12.0.7-0.el7_9.x86_64
Verifying : libfontenc-1.1.3-3.el7.x86_64
Verifying : avahi-libs-0.6.31-20.el7.x86_64

Installed:
java-11-openjdk-devel.x86_64 1:11.0.12.0.7-0.el7_9

Dependency Installed:
avahi-libs.x86_64 0:0.6.31-20.el7
cups-libs.x86_64 1:1.6.3-51.el7
dejavu-sans-fonts.noarch 0:2.33-6.el7
fontpackages-filesystem.noarch 0:1.44-8.el7
java-11-openjdk.x86_64 1:11.0.12.0.7-0.el7_9
javapackages-tools.noarch 0:3.4.1-11.el7
libSM.x86_64 0:1.2.2-2.el7
libX11-common.noarch 0:1.6.7-3.el7_9
libXext.x86_64 0:1.3.3-3.el7
libXrender.x86_64 0:0.9.10-1.el7
libfontenc.x86_64 0:1.1.3-3.el7
libxcb.x86_64 0:1.13-1.el7
lksctp-tools.x86_64 0:1.0.17-2.el7
python-javapackages.noarch 0:3.4.1-11.el7
ttmfdir.x86_64 0:3.0.9-42.el7
xorg-x11-font-utils.x86_64 1:7.5-21.el7

copy-jdk-configs.noarch 0:3.3-10.el7_5
dejavu-fants-common.noarch 0:2.33-6.el7
fontconfig.x86_64 0:2.13.0-4.3.el7
giflib.x86_64 0:4.1.6-9.el7
java-11-openjdk-headless.x86_64 1:11.0.12.0.7-0.el7_9
libICE.x86_64 0:1.0.9-9.el7
libX11.x86_64 0:1.6.7-3.el7_9
libXau.x86_64 0:1.0.8-2.el7
libXi.x86_64 0:1.7.9-1.el7
libXtst.x86_64 0:1.2.3-1.el7
libjpeg-turbo.x86_64 0:1.2.90-8.el7
libXslt.x86_64 0:1.1.28-6.el7
pcsc-lite-libs.x86_64 0:1.8.8-8.el7
python-lxml.x86_64 0:3.2.1-4.el7
tzdata-java.noarch 0:2021a-1.el7
xorg-x11-fants-Type1.noarch 0:7.5-9.el7

Complete!
[jenkins@docker immortalkrazy]$ cd /home/jenkins/workspace/pull-code
[jenkins@docker pull-code]$ ls -la
total 0
drwxrwxr-x. 4 jenkins jenkins 33 Jul 29 22:01 .
drwxrwxr-x. 3 jenkins jenkins 23 Jul 29 22:01 ..
drwxrwxr-x. 8 jenkins jenkins 162 Jul 29 22:01 .git
drwxrwxr-x. 4 jenkins jenkins 110 Jul 29 22:01 website
[jenkins@docker pull-code]$ 

```

```

jenkins@jenkins-m- [~] | jenkins@ansible/home | jenkins@ansibleslave | jenkins@ansibleslave | jenkins@docker-~| pull-code #2 Console | + - X
← → C ⌂ ssh.cloud.google.com/projects/edureka-dockercertification/zones/us-central1-a/instances/docker?authuser=3&hl=en_US&p...
Apps Job Cloud Projects Amazon Bank CUNY Official Utilities Raspi Projects Courses Faisal Resources > Other bookmarks | Reading list
javapackages-tools.noarch 0:3.4.1-11.el7 libICE.x86_64 0:1.0.9-9.el7
libSM.x86_64 0:1.2.2-2.el7 libX11-common.noarch 0:1.6.7-3.el7_9
libXext.x86_64 0:1.3.3-3.el7 libXrender.x86_64 0:0.9.10-1.el7
libfontenc.x86_64 0:1.1.3-3.el7 libxcb.x86_64 0:1.13-1.el7
libsctp-tools.x86_64 0:1.0.17-2.el7 libxml2.x86_64 0:2.9.4-1.el7
python-javapackages.noarch 0:3.4.1-11.el7 libxslt.x86_64 0:1.1.28-6.el7
ttm�fdir.x86_64 0:3.0.9-42.el7 pcsc-lite-libs.x86_64 0:1.8.8-8.el7
xorg-x11-font-utils.x86_64 0:1.7.5-21.el7 tzdata-java.noarch 0:2021a-1.el7
xorg-x11-fonts-Type1.noarch 0:7.5-9.el7

Complete!
[jenkins@docker immortalkrazy]$ cd /home/jenkins/workspace/pull-code
[jenkins@docker pull-code]$ ls -la
total 0
drwxrwxr-x. 4 jenkins jenkins 33 Jul 29 22:01 .
drwxrwxr-x. 3 jenkins jenkins 23 Jul 29 22:01 ..
drwxrwxr-x. 8 jenkins jenkins 162 Jul 29 22:01 .git
drwxrwxr-x. 4 jenkins jenkins 110 Jul 29 22:01 website
[jenkins@docker pull-code]$ cd website/
[jenkins@docker website]$ ls
config.php content functions.php index.php readme.md template
[jenkins@docker website]$ ls -la
total 16
drwxrwxr-x. 4 jenkins jenkins 110 Jul 29 22:01 .
drwxrwxr-x. 4 jenkins jenkins 33 Jul 29 22:01 ..
-rw-rw-r--. 1 jenkins jenkins 580 Jul 29 22:01 config.php
drwxrwxr-x. 2 jenkins jenkins 96 Jul 29 22:01 content
-rw-rw-r--. 1 jenkins jenkins 1367 Jul 29 22:01 functions.php
-rw-rw-r--. 1 jenkins jenkins 62 Jul 29 22:01 index.php
-rw-rw-r--. 1 jenkins jenkins 937 Jul 29 22:01 readme.md
drwxrwxr-x. 2 jenkins jenkins 26 Jul 29 22:01 template
[jenkins@docker website]$ 

```

jenkins@jenkins-m- [~] | jenkins@ansible/home | jenkins@ansibleslave | jenkins@ansibleslave | jenkins@docker-~| deploy Config Jenkins | + - X
← → C ⌂ Not secure | 104.197.72.205:8080/job/deploy/configure
Apps Job Cloud Projects Amazon Bank CUNY Official Utilities Raspi Projects Courses Faisal Resources > Other bookmarks | Reading list

Dashboard > deploy >

General	Source Code Management	Build Triggers	Build Environment	Build	Post-build Actions
<input type="checkbox"/> Inspect build log for published Gradle build scans <input type="checkbox"/> With Ant					
Build					
Execute shell					
Command <pre>cd /home/jenkins/workspace/pull-code/website touch Dockerfile cat<<EOT>>Dockerfile FROM php:7.4-cli COPY . /usr/src/myapp WORKDIR /usr/src/myapp CMD ["php", "./index.php"] EXPOSE 80 EOT sudo docker build -t deploy sudo docker run -tid --name app -p 8080:80 deploy</pre>					
<small>See the list of available environment variables</small>					
<input type="button" value="Save"/> <input type="button" value="Apply"/> <input type="button" value="Advanced..."/>					

Dashboard > deploy >

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

[Plain text] Preview

Discard old builds
 GitHub project
 This build requires lockable resources
 This project is parameterized
 Throttle builds
 Disable this project
 Execute concurrent builds if necessary
 Restrict where this project can be run

Label Expression

docker

Label docker matches 1 node. Permissions or other restrictions provided by plugins may further reduce that list.

Advanced...

Source Code Management

None
 Git

Repositories

Repository URL

https://github.com/edureka-devops/projCert.git

Credentials

- none -

Advanced...

Add Repository

Save Apply

jenkins@jenkins-m:~\$ ssh.cloud.google.com/projects/edureka-dockercertification/zones/us-central1-a/instances/ansibleslave?authuser=3&hl=en_...
connected, host fingerprint: ssh-rsa 0 A5:05:5F:EC:CC:10:3A:32:B0:B7:C1:42:57:9D
40:70:8A:79:1F:2B:10:68:00:0C:5A:7F:C2:A4:80:26:79:DC
ast login: Thu Jul 29 17:36:45 2021 from 35.235.241.18
immortalkrazy@ansibleslave ~]\$ su jenkins
assword:
jenkins@ansibleslave immortalkrazy]~\$

Dashboard > deploy >

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

Ignore post-commit hooks

Build Environment

Delete workspace before build starts
 Use secret text(s) or file(s)
 Abort the build if it's stuck
 Add timestamps to the Console Output
 Inspect build log for published Gradle build scans
 With Ant

Build

Execute shell

Command

```
cd /home/jenkins/workspace/pull-code/website
sudo rm Dockerfile
touch Dockerfile
cat<<EOF>>Dockerfile
FROM php:7.4-cl
COPY ./ /usr/src/myapp
WORKDIR /usr/src/myapp
CMD ["php", "./index.php"]
EXPOSE 80
EOT
sudo docker build -t deploy .
sudo docker run -itd --name phapp -p 8080:80 deploy --become=true
```

See the list of available environment variables

[Advanced...](#)

[Add build step ▾](#)

Post-build Actions

[Add post-build action ▾](#)

Save **Apply**

jenkins@jenkins-m:~\$ | jenkins@ansible:~/home | jenkins@ansibleslave:~| jenkins@ansibleslave:~| root@docker/home/ | deploy Config [Jenkin] +

Dashboard > deploy >

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

Add timestamps to the Console Output
 Inspect build log for published Gradle build scans
 With Ant

Build

Execute shell

Command

```
cd /home/jenkins/workspace/pull-code/website
sudo rm Dockerfile
touch Dockerfile
cat<<EOF>>Dockerfile
FROM php:7.4-cl
COPY ./ /usr/src/myapp
WORKDIR /usr/src/myapp
CMD ["php", "./index.php"]
EXPOSE 80
EOT
sudo docker build -t deploy .
sudo docker run -itd --name phapp -p 8080:80 deploy --become=true
```

See the list of available environment variables

[Advanced...](#)

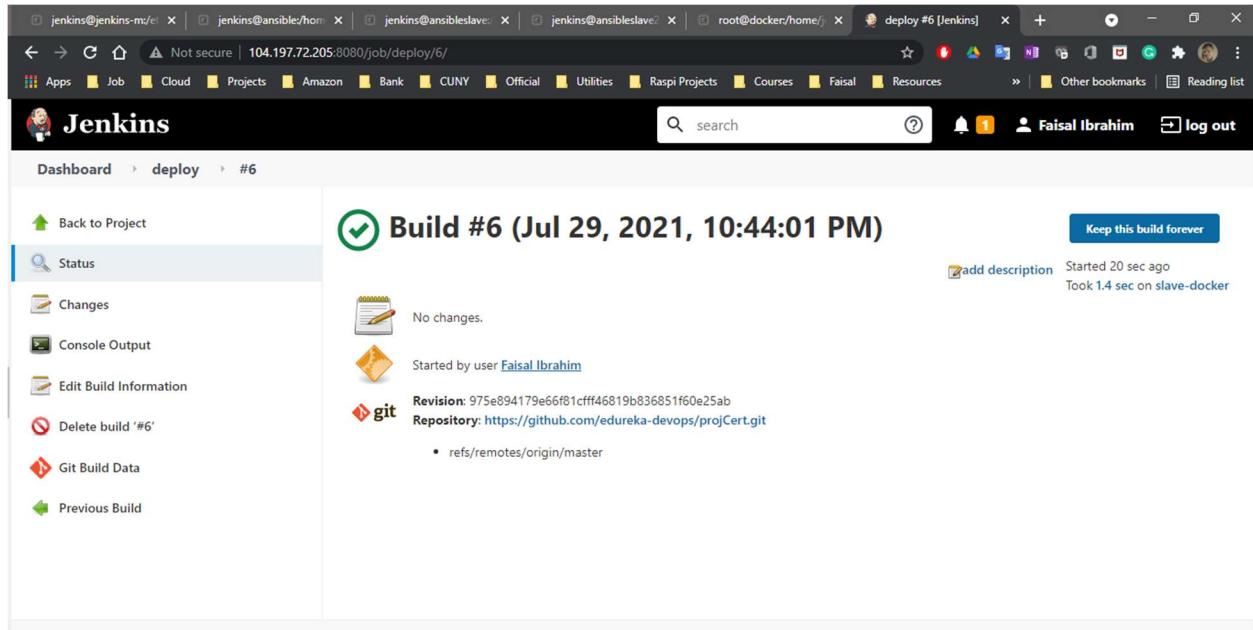
Save **Apply**

b14220581db8	docker.io/immortalkrazy/edureka:unapp	"httpd-foreground"	2 weeks ago	Exited (0)	2 weeks ago
2611ea2b378	my-apache-app	"httpd-foreground"	3 weeks ago	Exited (0)	2 weeks ago
4f3105c12f73	apache	"httpd-foreground"	3 weeks ago	Exited (0)	3 weeks ago
54b374dd52	tomcat	"catalina.sh run"	3 weeks ago	Exited (143)	3 weeks ago
[root@docker website]# docker ps -a grep app					
aef1145bc8753	app	970fe6846027	"docker-php-entryp..."	3 minutes ago	Created
2b57e3fb20f7	immortalkrazy/springapp:latest	"java -Dspring.dat..."	10 days ago	Exited (143)	3 minutes ago
91342fc1e7ec	springboot	"java -Dspring.dat..."	10 days ago	Exited (143)	10 days ago
063415759e15	immortalkrazy/springapp	"java -Dspring.dat..."	10 days ago	Created	
ca57d1fbee9	goofy_euler	"java -Dspring.dat..."	10 days ago		
3b2334b013a2	blissful_morse	"java -Dspring.dat..."	10 days ago		
353f13b6e858	immortalkrazy/heisenberg	"java -Dspring.dat..."	10 days ago		
c8af8f2e0a2e	tender_fermi	"java -Dspring.dat..."	10 days ago		
862027e1ec10	immortalkrazy/springapp	"java -Dspring.dat..."	10 days ago		
b14220581db8	relaxed_hoover	"java -Dspring.dat..."	10 days ago		
2611ea2b378	immortalkrazy/edureka:unapp2	"httpd-foreground"	2 weeks ago	Exited (0)	2 weeks ago
[root@docker website]# docker rm app	app				
[root@docker website]#					

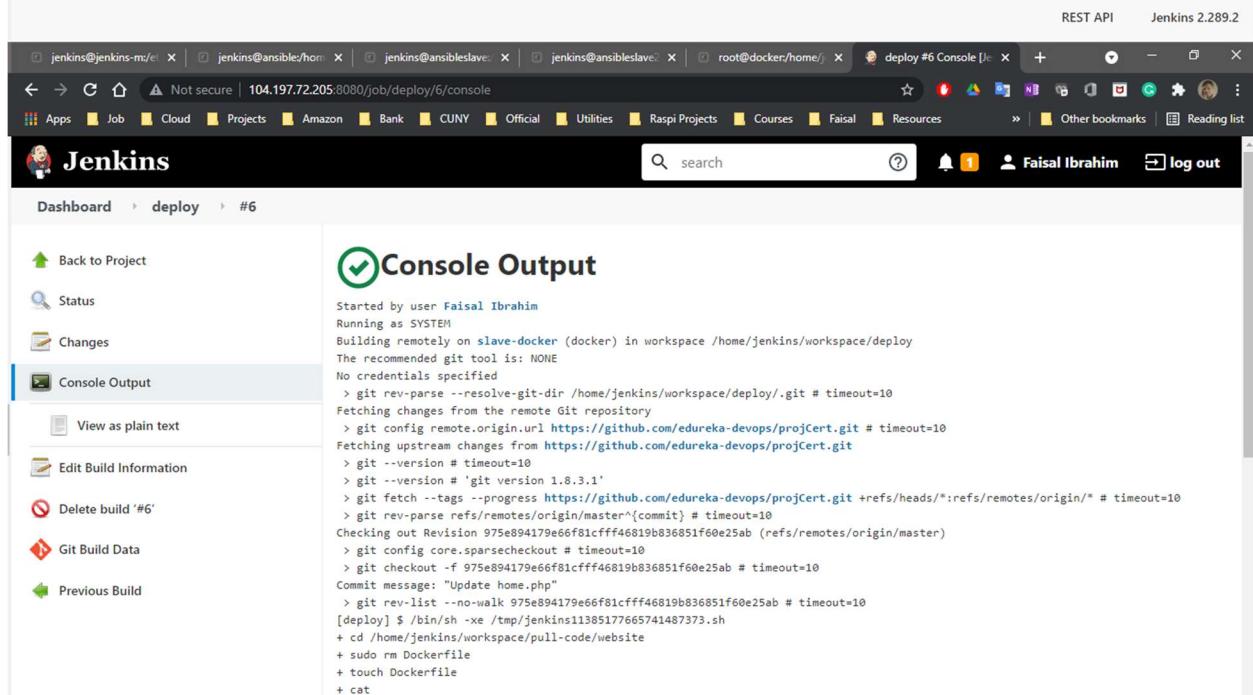
The screenshot shows a Jenkins dashboard for a project named 'deploy'. The left sidebar contains links for 'Configure', 'Delete Project', 'Git Polling Log', and 'Rename'. Below this is a 'Build History' section with a search bar containing 'find'. A list of builds is shown, each with a status icon (green circle with checkmark for successful, red circle with X for failed), the build number, and the date it was run. The most recent build (#6) is successful. The 'trend' button is also visible. On the right, a 'Permalinks' section lists various build-related URLs.

Permalinks

- Last build (#5), 2 min 41 sec ago
- Last stable build (#1), 23 min ago
- Last successful build (#1), 23 min ago
- Last failed build (#5), 2 min 41 sec ago
- Last unsuccessful build (#5), 2 min 41 sec ago
- Last completed build (#5), 2 min 41 sec ago



The screenshot shows the Jenkins web interface for a build named 'deploy #6'. The main title is 'Build #6 (Jul 29, 2021, 10:44:01 PM)'. The status is 'Success' (green checkmark). The build was started by user 'Faisal Ibrahim'. The revision is '975e894179e66f81cff46819b836851f60e25ab' from the 'https://github.com/edureka-devops/projCert.git' repository. The commit message is 'refs/remotes/origin/master'. The sidebar on the left includes links for Back to Project, Status, Changes, Console Output, Edit Build Information, Delete build '#6', Git Build Data, and Previous Build.



The screenshot shows the Jenkins web interface for the 'Console Output' of build #6. The title is 'Console Output'. The output shows the command-line logs of the build process. It starts with 'Started by user Faisal Ibrahim' and 'Running as SYSTEM'. It then details the git configuration and fetch process, followed by the checkout of revision '975e894179e66f81cff46819b836851f60e25ab' and the execution of a shell script '[deploy] \$ /bin/sh -xe /tmp/jenkins11385177665741487373.sh' which performs file operations like rm Dockerfile, touch Dockerfile, and cat.

```
Started by user Faisal Ibrahim
Running as SYSTEM
Building remotely on slave-docker (docker) in workspace /home/jenkins/workspace/Deploy
The recommended git tool is: NONE
No credentials specified
> git rev-parse --resolve-git-dir /home/jenkins/workspace/Deploy/.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/edureka-devops/projCert.git # timeout=10
Fetching upstream changes from https://github.com/edureka-devops/projCert.git
> git --version # timeout=10
> git --version # 'git' version 1.8.3.1'
> git fetch --tags --progress https://github.com/edureka-devops/projCert.git +refs/heads/*:refs/remotes/origin/*
> git rev-parse refs/remotes/origin/master^{commit} # timeout=10
Checking out Revision 975e894179e66f81cff46819b836851f60e25ab (refs/remotes/origin/master)
> git config core.sparsecheckout # timeout=10
> git checkout -f 975e894179e66f81cff46819b836851f60e25ab # timeout=10
Commit message: "Update home.php"
> git rev-list --no-walk 975e894179e66f81cff46819b836851f60e25ab # timeout=10
[deploy] $ /bin/sh -xe /tmp/jenkins11385177665741487373.sh
+ cd /home/jenkins/workspace/pull-code/website
+ sudo rm Dockerfile
+ touch Dockerfile
+ cat
```

jenkins@jenkins-m:~ | jenkins@ansible:home | jenkins@ansibleslave:~ | jenkins@ansibleslave:~ | root@docker:home/ | deploy #6 Console [J] | + - X

Not secure | 104.197.72.205:8080/job/deploy/6/console

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Dashboard > deploy > #6

```
[deploy] $ /bin/sh -xe /tmp/jenkins11385177665741487373.sh
+ cd /home/jenkins/workspace/pull-code/website
+ sudo rm Dockerfile
+ touch Dockerfile
+ cat
+ sudo docker build -t deploy .
Sending build context to Docker daemon 19.46 kB

Step 1/5 : FROM php:7.4-cli
--> 4ad229e4e700
Step 2/5 : COPY . /usr/src/myapp
--> Using cache
--> e1eeb5005307
Step 3/5 : WORKDIR /usr/src/myapp
--> Using cache
--> 1930333ecac6b
Step 4/5 : CMD php ./index.php
--> Using cache
--> c2697b8a841e
Step 5/5 : EXPOSE 80
--> Using cache
--> 77777b072871
Successfully built 77777b072871
+ sudo docker run -itd --name phapp -p 8000:80 deploy --become=true
71a2f8d80c2c582f603c7ed9136a5761879612463c30c93fac6850d2497bb978
Finished: SUCCESS
```

REST API Jenkins 2.289.2

ssh.cloud.google.com/projects/edureka-dockercertification/zones/us-central1-a/instances/docker?authuser=3&hl=en_US&p... | + - X

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ID	Container Name	Image	Command	Created	Status
063415759e15	goofy_euler	immortalkrazy/springapp	"java -Dspring.dat..."	10 days ago	Created
ca57d1fbbe9	blissful_morse	immortalkrazy/springapp	"java -Dspring.dat..."	10 days ago	Exited (143) 10 days ago
3b2334b013a2	peaceful_heisenberg	immortalkrazy/springapp	"java -Dspring.dat..."	10 days ago	Exited (143) 10 days ago
353f13b6e858	tender_fermi	immortalkrazy/springapp	"java -Dspring.dat..."	10 days ago	Exited (143) 10 days ago
e23ec2f85755	relaxed_hoover	immortalkrazy/springapp	"java -Dspring.dat..."	10 days ago	Exited (143) 10 days ago
f2ead79f0c08	my-apache2	elastic_jepsen	"httpd-foreground"	10 days ago	Exited (0) 10 days ago
6ec17264042a	cocky_kilby	my-apache2	"httpd-foreground"	10 days ago	Exited (0) 10 days ago
90ebc41adb4f	tomcat	elastic_jepsen	"catalina.sh run"	12 days ago	Exited (143) 12 days ago
c282030ead9e	jovial_keller	nginx	"docke...r-entrypoint..."	12 days ago	Exited (0) 12 days ago
5fb3066d046f	serene_franklin	nginx	"httpd-foreground"	12 days ago	Exited (0) 12 days ago
c8af8f2e0a2e	httpd	zealous_pike	"docke...r-entrypoint..."	12 days ago	Exited (0) 12 days ago
b14220581db8	romantic_curran	ngin...x	"httpd-foreground"	2 weeks ago	Exited (0) 2 weeks ago
2611eaa2b378	immortalkrazy/edureka:unapp2	edureka-unapp	"httpd-foreground"	2 weeks ago	Exited (0) 2 weeks ago
4f3105c12f73	unapp2	apache-test-app	"httpd-foreground"	2 weeks ago	Exited (0) 2 weeks ago
54b374dd52	my-apache2	docker.io/immortalkrazy/edureka:unapp	"httpd-foreground"	2 weeks ago	Exited (0) 2 weeks ago
[root@docker website]#	my-apache-app	httpd	"httpd-foreground"	3 weeks ago	Exited (0) 3 weeks ago
	apache	apache	"httpd-foreground"	3 weeks ago	Exited (0) 3 weeks ago
	tomcat	tomcat	"catalina.sh run"	3 weeks ago	Exited (143) 3 weeks ago

The Jenkins dashboard shows two active builds:

S	W	Name	Last Success	Last Failure	Last Duration
✓	Cloud	deploy	2 min 12 sec - #6	5 min 2 sec - #5	1.4 sec
✓	Cloud	pull-code	44 min - #2	N/A	1.2 sec

Terminal output:

```
[root@docker website]# docker ps -a | grep deploy2
4046b19cc475      deploy2          "docker-php-entryp..."   6 minutes ago      Exited (0) 6 minutes ago
[root@docker website]#
```