

```
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
/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
root@52.66.249.41's password:
```

```
Number of key(s) added: 1
```

```
Now try logging into the machine, with:  "ssh 'root@52.66.249.41'"
and check to make sure that only the key(s) you wanted were added.
```

```
root@ip-172-31-4-189:~/.ssh# ansible all -m ping
The authenticity of host '172.31.9.68 (172.31.9.68)' can't be established.
ED25519 key fingerprint is SHA256:ymTgoUJH9Ox1xZGwRM4lQho/YnJysGUErSLaxM5eTRg.
This host key is known by the following other names/addresses:
  ~/.ssh/known_hosts:3: [hashed name]
The authenticity of host '172.31.4.189 (172.31.4.189)' can't be established.
ED25519 key fingerprint is SHA256:qmQux5wLDB9C8UTk9yzJQsPT0HeGRfkMHeVOfVXsWPs.
This host key is known by the following other names/addresses:
  ~/.ssh/known_hosts:6: [hashed name]
Are you sure you want to continue connecting (yes/no/[fingerprint])? 172.31.11.174 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3"
  },
  "changed": false,
  "ping": "pong"
}
yes
172.31.9.68 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3"
  },
  "changed": false,
  "ping": "pong"
}
yes
172.31.4.189 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3"
  },
  "changed": false,
  "ping": "pong"
}
root@ip-172-31-4-189:~/.ssh#
```

```
yes
172.31.4.189 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3"
  },
  "changed": false,
  "ping": "pong"
}
```

```
root@ip-172-31-4-189:~/.ssh# cd ~
root@ip-172-31-4-189:~# cat ansible.yml
```

```
---
- name: To install jenkins on jenkins master
  hosts: jenkins_master
  become: true
  tasks:
    - name: To install packages
      script: jenkins.sh

    - name: To notify the installation
      debug:
        msg: "Package has been installed"

- name: To install docker and java on test server
  hosts: test_server
  become: true
  tasks:
    - name: To install Java and Docker
      script: test.sh

    - name: To notify about the installation!
      debug:
        msg: "Java and Docker has been installed!"

- name: To install docker and java on prod server
  hosts: prod_server
  become: true
  tasks:
    - name: To install Java and Docker
      script: prod.sh

    - name: To notify about the installation!
      debug:
        msg: "Java and Docker has been installed!"
root@ip-172-31-4-189:~#
```

```
    script: jenkins.sh

- name: To notify the installation
  debug:
    msg: "Package has been installed"

- name: To install docker and java on test server
  hosts: test_server
  become: true
  tasks:
    - name: To install Java and Docker
      script: test.sh

    - name: To notify about the installation!
      debug:
        msg: "Java and Docker has been installed!"

- name: To install docker and java on prod server
  hosts: prod_server
  become: true
  tasks:
    - name: To install Java and Docker
      script: prod.sh

    - name: To notify about the installation!
      debug:
        msg: "Java and Docker has been installed!"
root@ip-172-31-4-189:~# cat ansible.sh
```

```
#!/bin/bash
sudo apt update
sudo apt install software-properties-common
sudo add-apt-repository --yes --update ppa:ansible/ansible
sudo apt install ansible
```

```
UBUNTU_CODENAME=pramoda
wget -O- "https://keyserver.ubuntu.com/pks/lookup?fingerprint=on&op=get&search=0x6125E2A8C77F2818FB7BD15B93C4A3FD7BB9C367" | sudo gpg --dearmor -o /usr/share/keyrings/ansible-archive-keyring.gpg
echo "deb [signed-by=/usr/share/keyrings/ansible-archive-keyring.gpg] http://ppa.launchpad.net/ansible/ansible/ubuntu $UBUNTU_CODENAME main" | sudo tee /etc/apt/sources.list.d/ansible.list
sudo apt update && sudo apt install ansible
root@ip-172-31-4-189:~#
```

```
TASK [Gathering Facts] *****
ok: [172.31.11.174]

TASK [To install packages] *****
changed: [172.31.11.174]

TASK [To notify the installation] *****
ok: [172.31.11.174] => {
  "msg": "Package has been installed"
}

PLAY [To install docker and java on test server] *****

TASK [Gathering Facts] *****
ok: [172.31.9.68]

TASK [To install Java and Docker] *****
changed: [172.31.9.68]

TASK [To notify about the installation!] *****
ok: [172.31.9.68] => {
  "msg": "Java and Docker has been installed!"
}

PLAY [To install docker and java on prod server] *****

TASK [Gathering Facts] *****
ok: [172.31.4.189]

TASK [To install Java and Docker] *****
changed: [172.31.4.189]

TASK [To notify about the installation!] *****
ok: [172.31.4.189] => {
  "msg": "Java and Docker has been installed!"
}

PLAY RECAP *****
172.31.11.174      : ok=3    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
172.31.4.189      : ok=3    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
172.31.9.68       : ok=3    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0

root@ip-172-31-4-189:~#
```

+ New Item

People

Build History

Manage Jenkins

My Views

Build Queue

No builds in the queue.

Build Executor Status

1	Idle
2	Idle

Welcome to Jenkins!

This page is where your Jenkins jobs will be displayed. To get started, you can set up distributed builds or start building a software project.

Start building your software project

Create a job

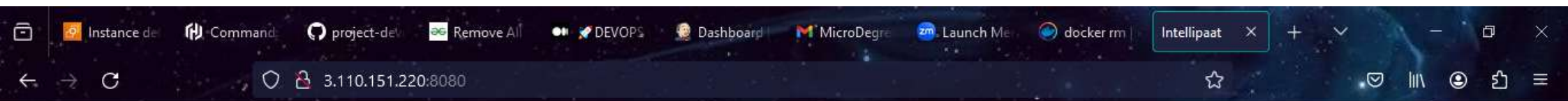
Set up a distributed build

Set up an agent

Configure a cloud

Learn more about distributed builds

Add description



Hello world!



GitHub




Hello world!



GitHub

Dashboard >


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


 Add description


All +						
S	W	Name ↓	Last Success	Last Failure	Last Duration	
		build	48 sec #5	2 min 18 sec #4	2 sec	
		test	38 sec #6	2 min 18 sec #4	1.4 sec	

Icon: S M L

Icon legend

 Atom feed for all

 Atom feed for failures

 Atom feed for just latest builds

Build Queue

No builds in the queue.


Build Executor Status

Built-In Node





1 Idle

2 Idle

prod_server

 **Jenkins**

Search (CTRL+K)

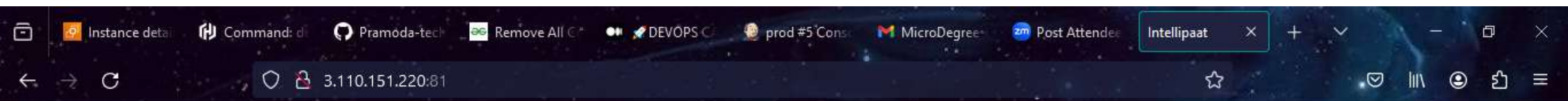
 1  2  pramoda  log out

Dashboard > prod > #3 > Console Output

- Status
- Changes
- Console Output**
- View as plain text
- Edit Build Information
- Delete build '#3'
- Git Build Data
- Previous Build
- Next Build

Console Output

```
Started by user pramoda
Running as SYSTEM
Building remotely on test_server in workspace /home/ubuntu/jenkins/workspace/prod
The recommended git tool is: NONE
No credentials specified
> git rev-parse --resolve-git-dir /home/ubuntu/jenkins/workspace/prod/.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/Pramoda-techrace/project-devops-sample-file-todeply.git # timeout=10
Fetching upstream changes from https://github.com/Pramoda-techrace/project-devops-sample-file-todeply.git
> git --version # timeout=10
> git --version # 'git version 2.34.1'
> git fetch --tags --force --progress -- https://github.com/Pramoda-techrace/project-devops-sample-file-todeply.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git rev-parse refs/remotes/origin/develop^{commit} # timeout=10
Checking out Revision a5694a56547a56538bfb2ef9ee8fb2a4d7720c42 (refs/remotes/origin/develop)
> git config core.sparsecheckout # timeout=10
> git checkout -f a5694a56547a56538bfb2ef9ee8fb2a4d7720c42 # timeout=10
Commit message: "Create dockerfile"
> git rev-list --no-walk a5694a56547a56538bfb2ef9ee8fb2a4d7720c42 # timeout=10
[prod] $ /bin/sh -xe /tmp/jenkins5130101072214193757.sh
+ docker build -t developimage .
DEPRECATED: The legacy builder is deprecated and will be removed in a future release.
             Install the buildx component to build images with BuildKit:
             https://docs.docker.com/go/buildx/
```



Hello world!



GitHub

Configure

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

- ☐ Inspect build log for published build scans
- ☐ Terminate a build if it's stuck
- ☐ With Ant ?

Build Steps

Execute shell ?

Command

See [the list of available environment variables](#)

```
docker rm --force $(docker ps -aq)
docker build -t testimage .
docker run -d --name coapestone1 -p 8080:80 testimage
```

Advanced ▾

Add build step ▾

Save Apply

Dashboard > test > Configuration

Configure

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

☐ With Ant ?

Build Steps

Execute shell ?

Command

See [the list of available environment variables](#)

```
docker rm --force $(docker ps -aq)
docker build -t prodimage .
docker run -d --name capestone2 -p 8080:80 prodimage
```

Advanced ▾

Add build step ▾

Post-build Actions

Add post-build action ▾

Save

Apply

Configure

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

Execute shell ?

Command

[See the list of available environment variables](#)

```
docker rm --force $(docker ps -aq)
docker build -t developimage .
docker run -d --name capestone-develop -p 81:80 developimage
```

Advanced

Add build step

Post-build Actions

Add post-build action

Save Apply