

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#instances:v=3;case=tags:true%5C,client:false;\$regex=tags:false%5C,client:false

aws Services Search [Alt+S] N. Virginia krishivaku23

EC2 Dashboard EC2 Global View Events Console-to-Code Preview

▼ Instances

Instances

Instance Types Launch Templates Spot Requests Savings Plans Reserved Instances Dedicated Hosts Capacity Reservations New

▼ Images

AMIs AMI Catalog

Instances (1/15) Info

Find Instance by attribute or tag (case-sensitive)

Any state

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status
<input type="checkbox"/>	ancible-cont	i-070739221f782de2a	Running	t2.micro	Initializing	View alarms +
<input type="checkbox"/>	ancible-n1	i-0fa5cde57f132a5f2	Running	t2.micro	Initializing	View alarms +
<input checked="" type="checkbox"/>	ancible-n2	i-0455e5abe6e9ba55f	Running	t2.micro	Initializing	View alarms +

Instance: i-0455e5abe6e9ba55f (ancible-n2)

Details Status and alarms New Monitoring Security Networking Storage Tags

▼ Instance summary Info

Instance ID	Public IPv4 address	Private IPv4 addresses
i-0455e5abe6e9ba55f (ancible-n2)	18.215.144.151 open address	172.31.22.3
IPv6 address	Instance state	Public IPv4 DNS
-	Running	ec2-18-215-144-151.compute-1.amazonaws.com open address

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y

107.21.136.221 (ubuntu)

Terminal Sessions View X server Tools Games Settings Macros Help

Session Servers Tools Games Sessions View Split MultExec Tunneling Packages Settings Help

Quick connect...

home/ubuntu

Name

cache

.ash

.bash_logout

.bashrc

.profile

.Xauthority

Remote monitoring

Follow terminal folder

individual files in /usr/share/doc/*/*copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by applicable law.

/usr/bin/xauth: file /home/ubuntu/.Xauthority does not exist

To run a command as administrator (user "root"), use "sudo <command>". See "man sudo_root" for details.

ubuntu@ip-172-31-29-204:~\$ sudo -i

root@ip-172-31-29-204:~# sudo apt update -y

Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal InRelease

Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]

Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports InRelease [108 kB]

Get:4 http://security.ubuntu.com/ubuntu focal-security InRelease [114 kB]

Get:5 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal/universe amd64 Packages [8628 kB]

Get:6 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal/universe Translation-en [5124 kB]

Get:7 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal/universe amd64 c-n-f Metadata [265 kB]

Get:8 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal/multiverse amd64 Packages [144 kB]

Get:9 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal/multiverse Translation-en [104 kB]

Get:10 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal/multiverse amd64 c-n-f Metadata [9136 B]

Get:11 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 Packages [3058 kB]

Get:12 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/main Translation-en [493 kB]

Get:13 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 c-n-f Metadata [17.2 kB]

Get:14 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/restricted amd64 Packages [2619 kB]

Get:15 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/restricted Translation-en [365 kB]

Get:16 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/restricted amd64 c-n-f Metadata [552 B]

Get:17 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/universe amd64 Packages [1160 kB]

Get:18 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/universe Translation-en [279 kB]

Get:19 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/universe amd64 c-n-f Metadata [25.7 kB]

Get:20 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/multiverse amd64 Packages [26.1 kB]

Get:21 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/multiverse Translation-en [7768 B]

Get:22 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/multiverse amd64 c-n-f Metadata [620 B]

Get:23 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/main amd64 Packages [45.7 kB]

Get:24 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/main Translation-en [16.3 kB]

Get:25 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/main amd64 c-n-f Metadata [1420 B]

Get:26 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/restricted amd64 c-n-f Metadata [116 B]

Get:27 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/universe amd64 Packages [25.8 kB]

Get:28 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/universe Translation-en [16.3 kB]

Get:29 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/universe amd64 c-n-f Metadata [880 B]

Get:30 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports/multiverse amd64 c-n-f Metadata [116 B]

Get:31 http://security.ubuntu.com/ubuntu focal-security/main amd64 Packages [2679 kB]

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ENG IN 11:22 AM 2/3/2024

107.21.136.221 (ubuntu)

Terminal Sessions View X server Tools Games Settings Macros Help



Session



Servers



Tools



Games



Sessions



View



Split



MultiExec



Tunneling



Packages



Settings

Quick connect...



/home/ubuntu/

Name



..



.cache



.ssh



.bash_logout



.bashrc



.profile



.Xauthority



3. 107.21.136.221 (ubuntu)



```
79 packages can be upgraded. Run 'apt list --upgradable' to see which packages are available for upgrade.
root@ip-172-31-29-204:~# sudo apt install ansible
Reading package lists... Done
Building dependency tree
Reading state information... Done
software-properties-common is already the default provider for ansible.
software-properties-common set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 0 not installed.
root@ip-172-31-29-204:~# sudo add-apt-repository ppa:ansible/ansible
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal InRelease
Hit:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates InRelease
Hit:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports InRelease
Hit:4 http://security.ubuntu.com/ubuntu focal-security InRelease
Get:5 http://ppa.launchpad.net/ansible/ansible/ubuntu focal InRelease
Get:6 http://ppa.launchpad.net/ansible/ansible/ubuntu focal InRelease
Get:7 http://ppa.launchpad.net/ansible/ansible/ubuntu focal InRelease
Fetched 19.9 kB in 1s (19.9 kB/s)
Reading package lists... Done
root@ip-172-31-29-204:~# sudo apt update
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal InRelease
Hit:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates InRelease
Hit:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports InRelease
Hit:4 http://security.ubuntu.com/ubuntu focal-security InRelease
Hit:5 http://ppa.launchpad.net/ansible/ansible/ubuntu focal InRelease
Reading package lists... Done
Building dependency tree
Reading state information... Done
79 packages can be upgraded. Run 'apt list --upgradable' to see which packages are available for upgrade.
root@ip-172-31-29-204:~# sudo apt install ansible
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  ansible-core python3-bcrypt python3-jmespath python3-requests-kerberos python3-requests
Suggested packages:
  python3-gssapi python-pyparsing-doc
The following NEW packages will be installed:
  ansible ansible-core python3-bcrypt python3-jmespath python3-requests-kerberos python3-requests
0 upgraded, 15 newly installed, 0 to remove and 0 not installed.
```



Remote monitoring


```
[testnodes]
samplernode1 ansible_ssh_host=172.31.33.0 ansible_ssh_user=ansibleadmin1
samplernode2 ansible_ssh_host=172.31.34.254 ansible_ssh_user=ansibleadmin1
# This is the default ansible 'hosts' file.
#
# It should live in /etc/ansible/hosts
#
# - Comments begin with the '#' character
# - Blank lines are ignored
# - Groups of hosts are delimited by [header] elements
# - You can enter hostnames or ip addresses
# - A hostname/ip can be a member of multiple groups

# Ex 1: Ungrouped hosts, specify before any group headers:

## green.example.com
## blue.example.com
## 192.168.100.1

## 192.168.100.10

# Ex 2: A collection of hosts belonging to the 'webservers' group:
## [webservers]
## alpha.example.org
## beta.example.org
## 192.168.1.100
## 192.168.1.110

# If you have multiple hosts following a pattern, you can specify
# them like this:
```

```
devopsadmin1@ip-172-31-33-192:/etc/ansible/playbook$ ls
debugmod1.yaml  gh  httpd.yaml  installation.yaml  installhttpd.yaml  insta
devopsadmin1@ip-172-31-33-192:/etc/ansible/playbook$ cat installation.yaml
```

```
--
- name: install tools
  hosts: samplenode2
  remote_user: ansibleadmin
  become: true
  tasks:
    - name: Install Git
      apt:
        name: git
        state: present
    - name: Install Maven
      apt:
        name: maven
        state: present
    - name: Create a Tomcat User
      user:
        name: tomcat
    - name: Create a Tomcat Group
      group:
        name: tomcat
    - name: Install Tomcat
      apt:
        name: tomcat9
        state: present
```

```
devopsadmin1@ip-172-31-33-192:/etc/ansible/playbook$ vi installation.yaml
devopsadmin1@ip-172-31-33-192:/etc/ansible/playbook$ vi installation.yaml
devopsadmin1@ip-172-31-33-192:/etc/ansible/playbook$ ansible-playbook installation.yaml

PLAY [install tools] *****

TASK [Gathering Facts] *****
ok: [samplenode2]

TASK [Install Git] *****
ok: [samplenode2]

TASK [Install Maven] *****
ok: [samplenode2]

TASK [Create a Tomcat User] *****
ok: [samplenode2]
```



```
state: present
- name: Install Maven
  apt:
    name: maven
    state: present
- name: Create a Tomcat User
  user:
    name: tomcat
- name: Create a Tomcat Group
  group:
    name: tomcat
- name: Install Tomcat
  apt:
    name: tomcat9
    state: present

devopsadmin1@ip-172-31-33-192:/etc/ansible/playbook$ ansible-playbook installation.yaml

PLAY [install tools] *****

TASK [Gathering Facts] *****
ok: [samplenode2]

TASK [Install Git] *****
ok: [samplenode2]

TASK [Install Maven] *****
ok: [samplenode2]

TASK [Create a Tomcat User] *****
ok: [samplenode2]

TASK [Create a Tomcat Group] *****
ok: [samplenode2]

TASK [Install Tomcat] *****
ok: [samplenode2]

PLAY RECAP *****
samplenode2 : ok=6 changed=0 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

devopsadmin1@ip-172-31-33-192:/etc/ansible/playbook$
```

```
devopsadmin1@ip-172-31-33-192:~$ cd /etc/ansible/playbook/
devopsadmin1@ip-172-31-33-192:/etc/ansible/playbook$ ls
debugmod1.yaml  gh  installation.yaml  installtool.yaml
devopsadmin1@ip-172-31-33-192:/etc/ansible/playbook$ ansible-playbook installation.yaml

PLAY [install tools] *****

TASK [Gathering Facts] *****
ok: [samplenode2]

TASK [Install Git] *****
ok: [samplenode2]

TASK [Install Maven] *****
ok: [samplenode2]

TASK [Create a Tomcat User] *****
ok: [samplenode2]













TASK [Create a Tomcat Group] *****
ok: [samplenode2]

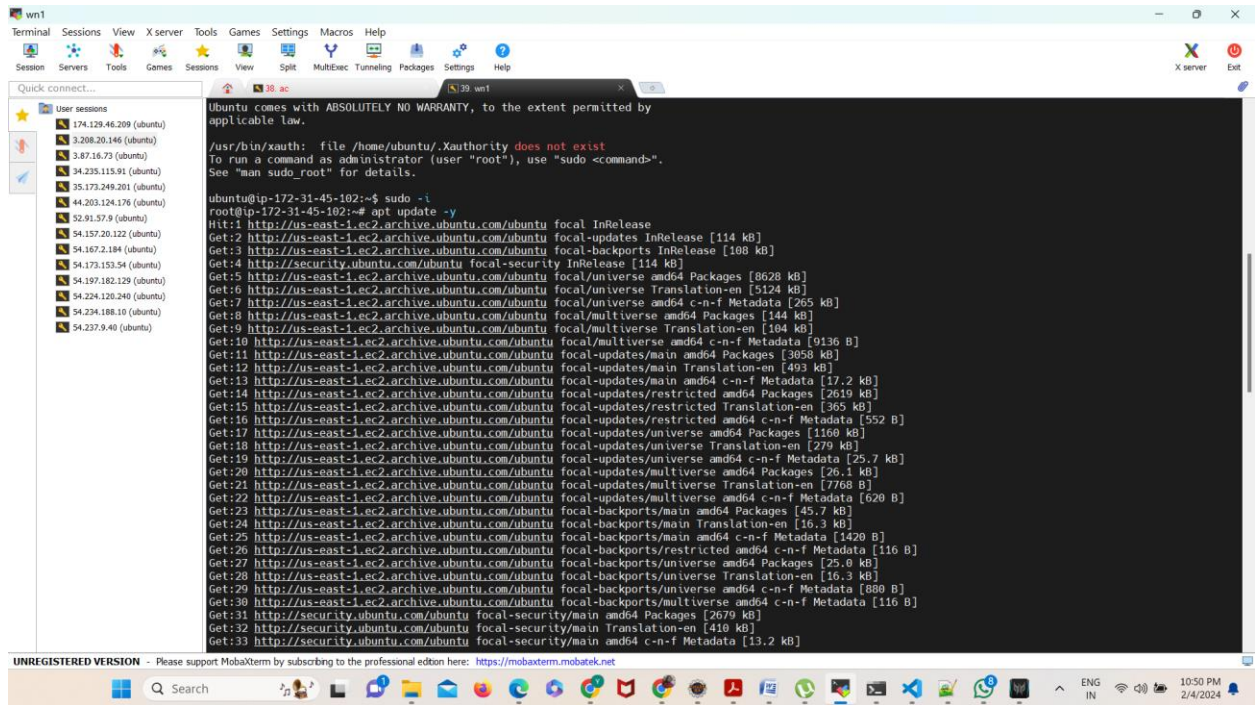
TASK [Install Tomcat] *****
ok: [samplenode2]

PLAY RECAP *****
samplenode2 : ok=6 changed=0 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0
```

```
Last login: Sat Jan 27 07:35:56 2024 from 49.43.5.115
ubuntu@ip-172-31-34-254:~$ sudo -i
root@ip-172-31-34-254:~# git --version
git version 2.34.1
root@ip-172-31-34-254:~# mvn --version
Apache Maven 3.6.3
Maven home: /usr/share/maven
Java version: 11.0.21, vendor: Ubuntu, runtime: /usr/lib/jvm/java-11-openjdk-amd64
Default locale: en, platform encoding: UTF-8
OS name: "linux", version: "6.2.0-1018-aws", arch: "amd64", family: "unix"
```

Assignment -2

<input checked="" type="checkbox"/>	Name 	Instance ID	Instance state 	Instance type 	Status check	Alarm status	Availability Zone
<input checked="" type="checkbox"/>	p.ac1	i-0d09d4a1b6ef7be84	✔ Running  	t2.micro	✔ 2/2 checks passed View alarms 	us-east-1c	
<input checked="" type="checkbox"/>	p.ac	i-03640e7443b97bb96	✔ Running  	t2.micro	✔ 2/2 checks passed View alarms 	us-east-1c	
<input checked="" type="checkbox"/>	p.ac2	i-04dc50da86b9b8256	✔ Running  	t2.micro	✔ 2/2 checks passed View alarms 	us-east-1c	



```
Get:39 http://security.ubuntu.com/ubuntu focal-security/universe amd64 c-n-f Metadata [19.2 kB]
Get:40 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 Packages [23.9 kB]
Get:41 http://security.ubuntu.com/ubuntu focal-security/multiverse Translation-en [5796 B]
Get:42 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 c-n-f Metadata [548 B]
Fetched 29.9 MB in 6s (5008 kB/s)
Reading package lists... Done
Building dependency tree
Reading state information... Done
79 packages can be upgraded. Run 'apt list --upgradable' to see them.
root@ip-172-31-45-102:~# useradd ansibleadmin -s /bin/bash -m -d /home/ansibleadmin
root@ip-172-31-45-102:~# passwd
New password:
Retype new password:
passwd: password updated successfully
root@ip-172-31-45-102:~# vi /etc/ssh/sshd_config
root@ip-172-31-45-102:~# service sshd reload
root@ip-172-31-45-102:~# visudo
root@ip-172-31-45-102:~# su - ansibleadmin
```



```
38. ac 39. wn1
To see these additional updates run: apt list --upgradable

1 additional security update can be applied with ESM Apps.
Learn more about enabling ESM Apps service at https://ubuntu.com/esm

New release '22.04.3 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

Last login: Sun Feb  4 13:09:25 2024 from 49.36.59.164
ubuntu@ip-172-31-46-96:~$ sudo -i
root@ip-172-31-46-96:~# useradd devopsadmin -s /bin/bash -m -d /home/devopsadmin
root@ip-172-31-46-96:~# su - devopsadmin
devopsadmin@ip-172-31-46-96:~$ ssh-keygen -t rsa -b 1024 -m PEM
Generating public/private rsa key pair.
Enter file in which to save the key (/home/devopsadmin/.ssh/id_rsa):
Created directory '/home/devopsadmin/.ssh'.
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/devopsadmin/.ssh/id_rsa
Your public key has been saved in /home/devopsadmin/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:z2Vy+1NnaUI5H8uG0isrD86Ge3PNgG4rJ6a7pgvhLbYs devopsadmin@ip-172-31-46-96
The key's randomart image is:
+---[RSA 1024]-----+
|
|      .
|     S o = +
|    .   o * @ .
|   o . o. = o = *
|  +. = B+*. *  B
| +E=0.0==oo.o o
+---[SHA256]-----+
devopsadmin@ip-172-31-46-96:~$ cd .ssh
devopsadmin@ip-172-31-46-96:~/.ssh$ ssh-copy-id ansibleadmin@172.31.45.102
/usr/bin/ssh-copy-id: INFO: Source of key(s) to be installed: "/home/devopsadmin/.ssh/id_rsa.pub"
The authenticity of host '172.31.45.102 (172.31.45.102)' can't be established.
ECDSA key fingerprint is SHA256:RJsFrTFK0W2LBerR6RDlP05r4VICrpJ5awEE0cJEgIc.
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
```

Number of key(s) added: 1

Now try logging into the machine, with: `"ssh 'ansibleadmin@172.31.45.102'"`
and check to make sure that only the key(s) you wanted were added.

```
[testnodes]
samplenode1 ansible_ssh_host=172.31.33.0 ansible_ssh_user=ansibleadmin1
samplenode2 ansible_ssh_host=172.31.34.254 ansible_ssh_user=ansibleadmin1
# This is the default ansible 'hosts' file.
#
# It should live in /etc/ansible/hosts
#
# - Comments begin with the '#' character
# - Blank lines are ignored
# - Groups of hosts are delimited by [header] elements
# - You can enter hostnames or ip addresses
# - A hostname/ip can be a member of multiple groups

# Ex 1: Ungrouped hosts, specify before any group headers:

## green.example.com
## blue.example.com
## 192.168.100.1

## 192.168.100.10

# Ex 2: A collection of hosts belonging to the 'webservers' group:
## [webservers]
## alpha.example.org
## beta.example.org
## 192.168.1.100
## 192.168.1.110

# If you have multiple hosts following a pattern, you can specify
# them like this:
```

```
devopsadmin1@ip-172-31-33-192:/etc/ansible$ vi hosts
devopsadmin1@ip-172-31-33-192:/etc/ansible$
```

```

root@ip-172-31-37-2:~/new/demo2# ls
Dockerfile mvnw mvnw.cmd pom.xml src target
root@ip-172-31-37-2:~/new/demo2# cd src/main/resources/static/
root@ip-172-31-37-2:~/new/demo2/src/main/resources/static# ls
index.html
root@ip-172-31-37-2:~/new/demo2/src/main/resources/static# cat index.html
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>This is springboot Application</title>
</head>
<body>

</body>

```

```

</html>root@ip-172-31-37-2:~/new/demo2/src/main/resources/static# cd ../../../../
root@ip-172-31-37-2:~/new/demo2/src# cd ..
root@ip-172-31-37-2:~/new/demo2# ls
Dockerfile mvnw mvnw.cmd pom.xml src target
root@ip-172-31-37-2:~/new/demo2# cat Dockerfile
FROM openjdk:17
VOLUME /tmp
EXPOSE 8080
ARG JAR_FILE=target/demo2-0.0.1-SNAPSHOT.jar
ADD ${JAR_FILE} app.jar
ENTRYPOINT ["java","-jar","/app.jar"]
root@ip-172-31-37-2:~/new/demo2#

```

Build an image from a Dockerfile

```

root@ip-172-31-37-2:~/new/demo2# docker build -t somajoshi/springboot:1.0 .
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/

```

```

Sending build context to Docker daemon 45.37MB
Step 1/6 : FROM openjdk:17
--> 5e28ba2b4cdb
Step 2/6 : VOLUME /tmp
--> Running in 79ae6e7fd1a
Removing intermediate container 79ae6e7fd1a
--> 6d5999cc0b07
Step 3/6 : EXPOSE 8080
--> Running in 0496cbe1ab18
Removing intermediate container 0496cbe1ab18
--> aa093ef258f4
Step 4/6 : ARG JAR_FILE=target/demo2-0.0.1-SNAPSHOT.jar
--> Running in cbe94de7ea63
Removing intermediate container cbe94de7ea63
--> e71e76ad2712
Step 5/6 : ADD ${JAR_FILE} app.jar
--> dddfca98d9b0
Step 6/6 : ENTRYPOINT ["java","-jar","/app.jar"]
--> Running in 876dd3b6d93b
Removing intermediate container 876dd3b6d93b
--> 2fcb1c071b55
Successfully built 2fcb1c071b55
Successfully tagged somajoshi/springboot:1.0
root@ip-172-31-37-2:~/new/demo2# docker run -d -p 8089:8080 somajoshi/springboot:1.0
89415033831efa54951a36cd2edea525690bce13f8354ae12dd4209fde04658

```


```

root@ip-172-31-37-2:~/new/demo2# docker ps
CONTAINER ID   IMAGE               COMMAND                  CREATED        STATUS        PORTS                               NAMES
89415033831e   somajoshi/springboot:1.0   "java -jar /app.jar"    2 minutes ago   Up 2 minutes   0.0.0.0:8089->8080/tcp, :::8089->8080/tcp   laughing_nb
bel
root@ip-172-31-37-2:~/new/demo2# docker push somajoshi/springboot:1.0
The push refers to repository [docker.io/somajoshi/springboot]
5b338a75c8c6: Pushed
dc9fa3d8b576: Mounted from library/openjdk
27ee19dc88f2: Mounted from library/openjdk
c8dd97366670: Mounted from library/openjdk
1.0: digest: sha256:a8c2a599a3f8a06e41c8b0fd15e01030dc2f577f81f112900ce7edf1e2d7255b size: 1166
root@ip-172-31-37-2:~/new/demo2#

```

General
Tags
Builds
Collaborators
Webhooks
Settings

i Add a short description for this repository
The short description is used to index your content on Docker Hub and in search engines. It's visible to users in search results.

 somajoshi / springboot


Description

This repository does not have a description *pencil icon*

Last pushed: 3 minutes ago

Tags

This repository contains 2 tag(s).

Tag	OS	Type	Pulled	Pushed
1.0		Image	---	4 minutes ago

Automate

Manually pr
Bitbucket to
code is upd

Available w
[automated](#)

```

root@ip-172-31-33-192:~# cd /etc/ansible/roles/
root@ip-172-31-33-192:/etc/ansible/roles# ansible-galaxy init node-config
- Role node-config was created successfully
root@ip-172-31-33-192:/etc/ansible/roles# tree

```

```

20 directories, 19 files
root@ip-172-31-33-192:/etc/ansible/roles# cd node-config/
root@ip-172-31-33-192:/etc/ansible/roles/node-config# tree
.
├── README.md
├── defaults
│   └── main.yml
├── files
├── handlers
│   └── main.yml
├── meta
│   └── main.yml
├── tasks
│   └── main.yml
├── templates
├── tests
│   ├── inventory
│   └── test.yml
└── vars
    └── main.yml

```

```

└─ playbook
└─ roles.yaml

20 directories, 19 files
root@ip-172-31-33-192:/etc/ansible/roles# cd node-config/
root@ip-172-31-33-192:/etc/ansible/roles/node-config# tree
.
├── README.md
├── defaults
│   └── main.yml
├── files
├── handlers
│   └── main.yml
├── meta
│   └── main.yml
├── tasks
│   └── main.yml
├── templates
├── tests
│   ├── inventory
│   └── test.yml
└── vars
    └── main.yml

8 directories, 8 files
root@ip-172-31-33-192:/etc/ansible/roles/node-config# cd tasks/
root@ip-172-31-33-192:/etc/ansible/roles/node-config/tasks# vi main.yml
root@ip-172-31-33-192:/etc/ansible/roles/node-config/tasks#

```

The screenshot shows a terminal window with the following content:

```

compliance features.
https://ubuntu.com/awx/pro

Expanded Security Maintenance for Applications is not enabled.

25 updates can be applied immediately.
To see these additional updates run: apt list --upgradable

1 additional security update can be applied with ESM Apps.
Learn more about enabling ESM Apps service at https://ubuntu.com/esm

Last login: Thu Feb 15 03:57:32 2024 from 49.36.59.164
ubuntu@ip-172-31-33-192:~$ sudo -i
root@ip-172-31-33-192:~# cd /etc/ansible/roles/node-config/tasks
root@ip-172-31-33-192:/etc/ansible/roles/node-config/tasks# cat main.yml
---
- name: updating apt
  command: sudo apt-get update

- name: Install Docker
  command: sudo apt-get install -y docker.io

- name: Start Docker Service
  command: sudo systemctl start docker

- name: create user unix
  user:
    name: demo

- name: create unix group
  ansible.builtin.group:
    name: demo
    state: present

- name: Deploy Docker Container
  command: docker run -d -p 8080:8080 somajoshi/springboot:1.0

root@ip-172-31-33-192:/etc/ansible/roles/node-config/tasks#

```

The terminal window also shows a file explorer on the left with a tree view of the file system, including directories like .ansible, .cache, .ssh, .bash_history, .bash_logout, .bashrc, .profile, .sudo_as_admin_successful, .xmodmap, and .Xauthority. The bottom of the window shows a taskbar with various application icons and system status information.

```

devopsadmin1@ip-172-31-33-192:/etc/ansible$ cat setup.yml
---
- hosts: samplenode1
  roles:
    - node-config

```



```

devopsadmin@ip-172-31-33-192:/etc/ansible$ ansible-playbook setup.yml
PLAY [samplenode1] *****
TASK [Gathering Facts] *****
ok: [samplenode1]
TASK [node-config : updating apt] *****
changed: [samplenode1]
TASK [node-config : Install Docker] *****
changed: [samplenode1]
TASK [node-config : Start Docker Service] *****
changed: [samplenode1]
TASK [node-config : create user unix] *****
ok: [samplenode1]
TASK [node-config : create unix group] *****
ok: [samplenode1]
TASK [node-config : Deploy Docker Container] *****

```

```

TASK [Gathering Facts] *****
ok: [samplenode1]
TASK [updating apt] *****
changed: [samplenode1]
TASK [Install Docker] *****
changed: [samplenode1]
TASK [Start Docker Service] *****
changed: [samplenode1]
TASK [create user unix] *****
changed: [samplenode1]
TASK [create unix group] *****
ok: [samplenode1]
TASK [Deploy Docker Container] *****
changed: [samplenode1]
PLAY RECAP *****
samplenode1 : ok=7  changed=5  unreachable=0  failed=0  skipped=0  rescued=0  ignored=0

```

