ANSBILE TRAING WITH SHUBHAM

user121@DESKTOP-JFJ21I5 MINGW64 ~/Downloads

$

chmod 400 "ansible-master-key-demo.pem"

user121@DESKTOP-JFJ21I5 MINGW64 ~/Downloads

$ ssh -i "ansible-master-key-demo.pem" ubuntu@ec2-13-233-104-58.ap-south-1.compute.amazonaws.com

Welcome to Ubuntu 24.04.2 LTS (GNU/Linux 6.8.0-1024-aws x86\_64)

\* Documentation: https://help.ubuntu.com

\* Management: https://landscape.canonical.com

\* Support: https://ubuntu.com/pro

System information as of Fri Mar 28 03:12:25 UTC 2025

System load: 0.06 Processes: 108

Usage of /: 37.1% of 6.71GB Users logged in: 0

Memory usage: 28% IPv4 address for enX0: 172.31.15.168

Swap usage: 0%

Expanded Security Maintenance for Applications is not enabled.

37 updates can be applied immediately.

16 of these updates are standard security updates.

To see these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates.

See https://ubuntu.com/esm or run: sudo pro status

Last login: Fri Mar 28 03:05:07 2025 from 103.6.157.181

ubuntu@ip-172-31-15-168:~$ sudo apt-add-repository ppa:ansible^C

ubuntu@ip-172-31-15-168:~$ sudo apt-add-repository ppa:ansible/ansible

Repository: 'Types: deb

URIs: https://ppa.launchpadcontent.net/ansible/ansible/ubuntu/

Suites: noble

Components: main

'

Description:

Ansible is a radically simple IT automation platform that makes your applications and systems easier to deploy. Avoid writing scripts or custom code to deploy and update your applications— automate in a language that approaches plain English, using SSH, with no agents to install on remote systems.

http://ansible.com/

If you face any issues while installing Ansible PPA, file an issue here:

https://github.com/ansible-community/ppa/issues

More info: https://launchpad.net/~ansible/+archive/ubuntu/ansible

Adding repository.

Press [ENTER] to continue or Ctrl-c to cancel.

Hit:1 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble InRelease

Hit:2 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease

Hit:3 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease

Hit:4 http://security.ubuntu.com/ubuntu noble-security InRelease

Get:5 https://ppa.launchpadcontent.net/ansible/ansible/ubuntu noble InRelease [17.8 kB]

Get:6 https://ppa.launchpadcontent.net/ansible/ansible/ubuntu noble/main amd64 Packages [776 B]

Get:7 https://ppa.launchpadcontent.net/ansible/ansible/ubuntu noble/main Translation-en [472 B]

Fetched 19.1 kB in 1s (17.0 kB/s)

Reading package lists... Done

ubuntu@ip-172-31-15-168:~$ sudo apt update

Hit:1 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble InRelease

Hit:2 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease

Hit:3 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease

Hit:4 http://security.ubuntu.com/ubuntu noble-security InRelease

Hit:5 https://ppa.launchpadcontent.net/ansible/ansible/ubuntu noble InRelease

Reading package lists... Done

Building dependency tree... Done

Reading state information... Done

36 packages can be upgraded. Run 'apt list --upgradable' to see them.

ubuntu@ip-172-31-15-168:~$ sudo apt install ansible

Reading package lists... Done

Building dependency tree... Done

Reading state information... Done

The following packages will be upgraded:

ansible

1 upgraded, 0 newly installed, 0 to remove and 35 not upgraded.

Need to get 17.8 MB of archives.

After this operation, 89.1 MB disk space will be freed.

Get:1 https://ppa.launchpadcontent.net/ansible/ansible/ubuntu noble/main amd64 ansible all 10.7.0-1ppa~noble [17.8 MB]

Fetched 17.8 MB in 1min 6s (270 kB/s)

(Reading database ... 93623 files and directories currently installed.)

Preparing to unpack .../ansible\_10.7.0-1ppa~noble\_all.deb ...

Unpacking ansible (10.7.0-1ppa~noble) over (9.2.0+dfsg-0ubuntu5) ...

Setting up ansible (10.7.0-1ppa~noble) ...

Processing triggers for man-db (2.12.0-4build2) ...

Scanning processes...

Scanning linux images...

Running kernel seems to be up-to-date.

No services need to be restarted.

No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.

ubuntu@ip-172-31-15-168:~$ sudo vim /etc/ansible/hosts

ubuntu@ip-172-31-15-168:~$ ansible --v

usage: ansible [-h] [--version] [-v] [-b] [--become-method BECOME\_METHOD] [--become-user BECOME\_USER] [-K | --become-password-file BECOME\_PASSWORD\_FILE] [-i INVENTORY] [--list-hosts]

[-l SUBSET] [-P POLL\_INTERVAL] [-B SECONDS] [-o] [-t TREE] [--private-key PRIVATE\_KEY\_FILE] [-u REMOTE\_USER] [-c CONNECTION] [-T TIMEOUT] [--ssh-common-args SSH\_COMMON\_ARGS]

[--sftp-extra-args SFTP\_EXTRA\_ARGS] [--scp-extra-args SCP\_EXTRA\_ARGS] [--ssh-extra-args SSH\_EXTRA\_ARGS] [-k | --connection-password-file CONNECTION\_PASSWORD\_FILE] [-C] [-D]

[-e EXTRA\_VARS] [--vault-id VAULT\_IDS] [-J | --vault-password-file VAULT\_PASSWORD\_FILES] [-f FORKS] [-M MODULE\_PATH] [--playbook-dir BASEDIR] [--task-timeout TASK\_TIMEOUT]

[-a MODULE\_ARGS] [-m MODULE\_NAME]

pattern

ansible: error: ambiguous option: --v could match --version, --verbose, --vault-id, --vault-password-file, --vault-pass-file

usage: ansible [-h] [--version] [-v] [-b] [--become-method BECOME\_METHOD] [--become-user BECOME\_USER] [-K | --become-password-file BECOME\_PASSWORD\_FILE] [-i INVENTORY] [--list-hosts]

[-l SUBSET] [-P POLL\_INTERVAL] [-B SECONDS] [-o] [-t TREE] [--private-key PRIVATE\_KEY\_FILE] [-u REMOTE\_USER] [-c CONNECTION] [-T TIMEOUT] [--ssh-common-args SSH\_COMMON\_ARGS]

[--sftp-extra-args SFTP\_EXTRA\_ARGS] [--scp-extra-args SCP\_EXTRA\_ARGS] [--ssh-extra-args SSH\_EXTRA\_ARGS] [-k | --connection-password-file CONNECTION\_PASSWORD\_FILE] [-C] [-D]

[-e EXTRA\_VARS] [--vault-id VAULT\_IDS] [-J | --vault-password-file VAULT\_PASSWORD\_FILES] [-f FORKS] [-M MODULE\_PATH] [--playbook-dir BASEDIR] [--task-timeout TASK\_TIMEOUT]

[-a MODULE\_ARGS] [-m MODULE\_NAME]

pattern

Define and run a single task 'playbook' against a set of hosts

positional arguments:

pattern host pattern

options:

--become-password-file BECOME\_PASSWORD\_FILE, --become-pass-file BECOME\_PASSWORD\_FILE

Become password file

--connection-password-file CONNECTION\_PASSWORD\_FILE, --conn-pass-file CONNECTION\_PASSWORD\_FILE

Connection password file

--list-hosts outputs a list of matching hosts; does not execute anything else

--playbook-dir BASEDIR

Since this tool does not use playbooks, use this as a substitute playbook directory. This sets the relative path for many features including roles/ group\_vars/ etc.

--task-timeout TASK\_TIMEOUT

set task timeout limit in seconds, must be positive integer.

--vault-id VAULT\_IDS the vault identity to use. This argument may be specified multiple times.

--vault-password-file VAULT\_PASSWORD\_FILES, --vault-pass-file VAULT\_PASSWORD\_FILES

vault password file

--version show program's version number, config file location, configured module search path, module location, executable location and exit

-B SECONDS, --background SECONDS

run asynchronously, failing after X seconds (default=N/A)

-C, --check don't make any changes; instead, try to predict some of the changes that may occur

-D, --diff when changing (small) files and templates, show the differences in those files; works great with --check

-J, --ask-vault-password, --ask-vault-pass

ask for vault password

-K, --ask-become-pass

ask for privilege escalation password

-M MODULE\_PATH, --module-path MODULE\_PATH

prepend colon-separated path(s) to module library (default={{ ANSIBLE\_HOME ~ "/plugins/modules:/usr/share/ansible/plugins/modules" }}). This argument may be specified

multiple times.

-P POLL\_INTERVAL, --poll POLL\_INTERVAL

set the poll interval if using -B (default=15)

-a MODULE\_ARGS, --args MODULE\_ARGS

The action's options in space separated k=v format: -a 'opt1=val1 opt2=val2' or a json string: -a '{"opt1": "val1", "opt2": "val2"}'

-e EXTRA\_VARS, --extra-vars EXTRA\_VARS

set additional variables as key=value or YAML/JSON, if filename prepend with @. This argument may be specified multiple times.

-f FORKS, --forks FORKS

specify number of parallel processes to use (default=5)

-h, --help show this help message and exit

-i INVENTORY, --inventory INVENTORY, --inventory-file INVENTORY

specify inventory host path or comma separated host list. --inventory-file is deprecated. This argument may be specified multiple times.

-k, --ask-pass ask for connection password

-l SUBSET, --limit SUBSET

further limit selected hosts to an additional pattern

-m MODULE\_NAME, --module-name MODULE\_NAME

Name of the action to execute (default=command)

-o, --one-line condense output

-t TREE, --tree TREE log output to this directory

-v, --verbose Causes Ansible to print more debug messages. Adding multiple -v will increase the verbosity, the builtin plugins currently evaluate up to -vvvvvv. A reasonable level

to start is -vvv, connection debugging might require -vvvv. This argument may be specified multiple times.

Privilege Escalation Options:

control how and which user you become as on target hosts

--become-method BECOME\_METHOD

privilege escalation method to use (default=sudo), use `ansible-doc -t become -l` to list valid choices.

--become-user BECOME\_USER

run operations as this user (default=root)

-b, --become run operations with become (does not imply password prompting)

Connection Options:

control as whom and how to connect to hosts

--private-key PRIVATE\_KEY\_FILE, --key-file PRIVATE\_KEY\_FILE

use this file to authenticate the connection

--scp-extra-args SCP\_EXTRA\_ARGS

specify extra arguments to pass to scp only (e.g. -l)

--sftp-extra-args SFTP\_EXTRA\_ARGS

specify extra arguments to pass to sftp only (e.g. -f, -l)

--ssh-common-args SSH\_COMMON\_ARGS

specify common arguments to pass to sftp/scp/ssh (e.g. ProxyCommand)

--ssh-extra-args SSH\_EXTRA\_ARGS

specify extra arguments to pass to ssh only (e.g. -R)

-T TIMEOUT, --timeout TIMEOUT

override the connection timeout in seconds (default depends on connection)

-c CONNECTION, --connection CONNECTION

connection type to use (default=ssh)

-u REMOTE\_USER, --user REMOTE\_USER

connect as this user (default=None)

Some actions do not make sense in Ad-Hoc (include, meta, etc)

ubuntu@ip-172-31-15-168:~$ ansible --version

ansible [core 2.16.3]

config file = None

configured module search path = ['/home/ubuntu/.ansible/plugins/modules', '/usr/share/ansible/plugins/modules']

ansible python module location = /usr/lib/python3/dist-packages/ansible

ansible collection location = /home/ubuntu/.ansible/collections:/usr/share/ansible/collections

executable location = /usr/bin/ansible

python version = 3.12.3 (main, Feb 4 2025, 14:48:35) [GCC 13.3.0] (/usr/bin/python3)

jinja version = 3.1.2

libyaml = True

ubuntu@ip-172-31-15-168:~$ sudo nano /etc/ansible/hosts

ubuntu@ip-172-31-15-168:~$ cd /etc/ansible

-bash: cd: /etc/ansible: No such file or directory

ubuntu@ip-172-31-15-168:~$ ^C

ubuntu@ip-172-31-15-168:~$ sudo mkdir -p /etc/ansible

ubuntu@ip-172-31-15-168:~$ sudo nano /etc/ansible/hosts

ubuntu@ip-172-31-15-168:~$ sudo nano /etc/ansible/hosts

ubuntu@ip-172-31-15-168:~$ mkdir keys

ubuntu@ip-172-31-15-168:~$ cd keys/

ubuntu@ip-172-31-15-168:~/keys$ pwd

/home/ubuntu/keys

ubuntu@ip-172-31-15-168:~/keys$ ls -ld /home/ubuntu/keys

drwxrwxr-x 2 ubuntu ubuntu 4096 Mar 28 03:34 **/home/ubuntu/keys**

ubuntu@ip-172-31-15-168:~/keys$ cd ..

ubuntu@ip-172-31-15-168:~$ ls -ld /home/ubuntu/keys

drwxrwxr-x 2 ubuntu ubuntu 4096 Mar 28 03:34 **/home/ubuntu/keys**

ubuntu@ip-172-31-15-168:~$ ls -ld /home/ubuntu/keys

drwxrwxr-x 2 ubuntu ubuntu 4096 Mar 28 03:34 **/home/ubuntu/keys**

ubuntu@ip-172-31-15-168:~$ cd /home/ubuntu/keys

ubuntu@ip-172-31-15-168:~/keys$ ls

ansible-master-key-demo.pem

ubuntu@ip-172-31-15-168:~/keys$ ls -lh

total 4.0K

-r--r--r-- 1 ubuntu ubuntu 1.7K Mar 28 03:34 ansible-master-key-demo.pem

ubuntu@ip-172-31-15-168:~/keys$ sudo vim /etc/ansible/hosts

ubuntu@ip-172-31-15-168:~/keys$ sudo vim /etc/ansible/hosts

ubuntu@ip-172-31-15-168:~/keys$ ansible servers -m ping

The authenticity of host '65.0.99.158 (65.0.99.158)' can't be established.

ED25519 key fingerprint is SHA256:R0rv8c4oeL7RLs2HesmWFhj+pZ4D4ItlMpFsE1qBIkg.

This key is not known by any other names.

The authenticity of host '43.204.98.52 (43.204.98.52)' can't be established.

ED25519 key fingerprint is SHA256:V7S76201PxZTLBPHjmlpVRhtTUfzaE5SCSrzFHf+uxw.

This key is not known by any other names.

The authenticity of host '13.203.157.108 (13.203.157.108)' can't be established.

ED25519 key fingerprint is SHA256:ARa08D9UqP/DG8H4EuLv40iomg+NssVeRBL3NCGY7dM.

This key is not known by any other names.

Are you sure you want to continue connecting (yes/no/[fingerprint])? yes

**server-3 | UNREACHABLE! => {**

**"changed": false,**

**"msg": "Failed to connect to the host via ssh: Warning: Permanently added '43.204.98.52' (ED25519) to the list of known hosts.\r\nno such identity: /home/ubuntu/keys/ansible-master-key-demo.pemy: No such file or directory\r\nubuntu@43.204.98.52: Permission denied (publickey).",**

**"unreachable": true**

**}**

**server-2 | UNREACHABLE! => {**

**"changed": false,**

**"msg": "Failed to connect to the host via ssh: Host key verification failed.",**

**"unreachable": true**

**}**

**server-1 | UNREACHABLE! => {**

**"changed": false,**

**"msg": "Failed to connect to the host via ssh: Host key verification failed.",**

**"unreachable": true**

**}**

ubuntu@ip-172-31-15-168:~/keys$ sudo vim /etc/ansible/hosts^C

ubuntu@ip-172-31-15-168:~/keys$ ls /home/ubuntu/keys/ansible-master-key-demo.pem

/home/ubuntu/keys/ansible-master-key-demo.pem

ubuntu@ip-172-31-15-168:~/keys$ sudo chmod 400 /home/ubuntu/keys/ansible-master-key-demo.pem

ubuntu@ip-172-31-15-168:~/keys$ sudo vim /etc/ansible/hosts

ubuntu@ip-172-31-15-168:~/keys$ ansible servers -m ping

The authenticity of host '13.203.157.108 (13.203.157.108)' can't be established.

ED25519 key fingerprint is SHA256:ARa08D9UqP/DG8H4EuLv40iomg+NssVeRBL3NCGY7dM.

This key is not known by any other names.

The authenticity of host '65.0.99.158 (65.0.99.158)' can't be established.

ED25519 key fingerprint is SHA256:R0rv8c4oeL7RLs2HesmWFhj+pZ4D4ItlMpFsE1qBIkg.

This key is not known by any other names.

Are you sure you want to continue connecting (yes/no/[fingerprint])? yes

server-1 | SUCCESS => {

"changed": false,

"ping": "pong"

}

server-3 | SUCCESS => {

"changed": false,

"ping": "pong"

}

**server-2 | UNREACHABLE! => {**

**"changed": false,**

**"msg": "Failed to connect to the host via ssh: Host key verification failed.",**

**"unreachable": true**

**}**

ubuntu@ip-172-31-15-168:~/keys$ ansible servers -m ping^C

ubuntu@ip-172-31-15-168:~/keys$ ssh-keygen -R 65.0.99.158

Host 65.0.99.158 not found in /home/ubuntu/.ssh/known\_hosts

ubuntu@ip-172-31-15-168:~/keys$ ssh-keyscan -H 65.0.99.158 >> ~/.ssh/known\_hosts

# 65.0.99.158:22 SSH-2.0-OpenSSH\_9.6p1 Ubuntu-3ubuntu13.8

# 65.0.99.158:22 SSH-2.0-OpenSSH\_9.6p1 Ubuntu-3ubuntu13.8

# 65.0.99.158:22 SSH-2.0-OpenSSH\_9.6p1 Ubuntu-3ubuntu13.8

# 65.0.99.158:22 SSH-2.0-OpenSSH\_9.6p1 Ubuntu-3ubuntu13.8

# 65.0.99.158:22 SSH-2.0-OpenSSH\_9.6p1 Ubuntu-3ubuntu13.8

ubuntu@ip-172-31-15-168:~/keys$ ansible servers -m ping

server-1 | SUCCESS => {

"changed": false,

"ping": "pong"

}

server-3 | SUCCESS => {

"changed": false,

"ping": "pong"

}

server-2 | SUCCESS => {

"changed": false,

"ping": "pong"

}

ubuntu@ip-172-31-15-168:~/keys$

ubuntu@ip-172-31-15-168:~/keys$ ansible servers -a "free -h"

server-3 | CHANGED | rc=0 >>

total used free shared buff/cache available

Mem: 957Mi 329Mi 396Mi 888Ki 384Mi 627Mi

Swap: 0B 0B 0B

server-2 | CHANGED | rc=0 >>

total used free shared buff/cache available

Mem: 957Mi 327Mi 399Mi 880Ki 383Mi 629Mi

Swap: 0B 0B 0B

server-1 | CHANGED | rc=0 >>

total used free shared buff/cache available

Mem: 957Mi 341Mi 385Mi 888Ki 383Mi 615Mi

Swap: 0B 0B 0B

ubuntu@ip-172-31-15-168:~/keys$ ansible servers -a "sudo apt update"

server-1 | CHANGED | rc=0 >>

Hit:1 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble InRelease

Get:2 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]

Get:3 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]

Get:4 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Packages [15.0 MB]

Get:5 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]

Get:6 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe Translation-en [5982 kB]

Get:7 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Components [3871 kB]

Get:8 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 c-n-f Metadata [301 kB]

Get:9 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Packages [269 kB]

Get:10 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse Translation-en [118 kB]

Get:11 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Components [35.0 kB]

Get:12 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 c-n-f Metadata [8328 B]

Get:13 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [960 kB]

Get:14 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main Translation-en [213 kB]

Get:15 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Components [151 kB]

Get:16 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 c-n-f Metadata [13.5 kB]

Get:17 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [1044 kB]

Get:18 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe Translation-en [263 kB]

Get:19 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Components [365 kB]

Get:20 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 c-n-f Metadata [26.0 kB]

Get:21 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Packages [842 kB]

Get:22 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted Translation-en [170 kB]

Get:23 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Components [212 B]

Get:24 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 c-n-f Metadata [492 B]

Get:25 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Packages [21.5 kB]

Get:26 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse Translation-en [4788 B]

Get:27 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Components [940 B]

Get:28 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 c-n-f Metadata [592 B]

Get:29 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 Packages [39.1 kB]

Get:30 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main Translation-en [8676 B]

Get:31 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 Components [7076 B]

Get:32 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 c-n-f Metadata [272 B]

Get:33 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 Packages [26.4 kB]

Get:34 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe Translation-en [16.3 kB]

Get:35 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 Components [15.7 kB]

Get:36 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 c-n-f Metadata [1304 B]

Get:37 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/restricted amd64 Components [216 B]

Get:38 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/restricted amd64 c-n-f Metadata [116 B]

Get:39 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 Components [212 B]

Get:40 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 c-n-f Metadata [116 B]

Get:41 http://security.ubuntu.com/ubuntu noble-security/main amd64 Packages [711 kB]

Get:42 http://security.ubuntu.com/ubuntu noble-security/main Translation-en [136 kB]

Get:43 http://security.ubuntu.com/ubuntu noble-security/main amd64 Components [8960 B]

Get:44 http://security.ubuntu.com/ubuntu noble-security/main amd64 c-n-f Metadata [7068 B]

Get:45 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Packages [822 kB]

Get:46 http://security.ubuntu.com/ubuntu noble-security/universe Translation-en [177 kB]

Get:47 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Components [51.9 kB]

Get:48 http://security.ubuntu.com/ubuntu noble-security/universe amd64 c-n-f Metadata [17.0 kB]

Get:49 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Packages [810 kB]

Get:50 http://security.ubuntu.com/ubuntu noble-security/restricted Translation-en [164 kB]

Get:51 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Components [212 B]

Get:52 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 c-n-f Metadata [468 B]

Get:53 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Packages [17.6 kB]

Get:54 http://security.ubuntu.com/ubuntu noble-security/multiverse Translation-en [3792 B]

Get:55 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Components [212 B]

Get:56 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 c-n-f Metadata [380 B]

Fetched 33.1 MB in 13s (2638 kB/s)

Reading package lists...

Building dependency tree...

Reading state information...

34 packages can be upgraded. Run 'apt list --upgradable' to see them.

WARNING: apt does not have a stable CLI interface. Use with caution in scripts.

server-3 | CHANGED | rc=0 >>

Hit:1 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble InRelease

Get:2 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]

Get:3 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]

Get:4 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Packages [15.0 MB]

Get:5 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]

Get:6 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe Translation-en [5982 kB]

Get:7 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Components [3871 kB]

Get:8 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 c-n-f Metadata [301 kB]

Get:9 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Packages [269 kB]

Get:10 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse Translation-en [118 kB]

Get:11 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Components [35.0 kB]

Get:12 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 c-n-f Metadata [8328 B]

Get:13 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [960 kB]

Get:14 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main Translation-en [213 kB]

Get:15 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Components [151 kB]

Get:16 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 c-n-f Metadata [13.5 kB]

Get:17 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [1044 kB]

Get:18 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe Translation-en [263 kB]

Get:19 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Components [365 kB]

Get:20 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 c-n-f Metadata [26.0 kB]

Get:21 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Packages [842 kB]

Get:22 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted Translation-en [170 kB]

Get:23 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Components [212 B]

Get:24 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 c-n-f Metadata [492 B]

Get:25 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Packages [21.5 kB]

Get:26 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse Translation-en [4788 B]

Get:27 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Components [940 B]

Get:28 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 c-n-f Metadata [592 B]

Get:29 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 Packages [39.1 kB]

Get:30 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main Translation-en [8676 B]

Get:31 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 Components [7076 B]

Get:32 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 c-n-f Metadata [272 B]

Get:33 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 Packages [26.4 kB]

Get:34 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe Translation-en [16.3 kB]

Get:35 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 Components [15.7 kB]

Get:36 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 c-n-f Metadata [1304 B]

Get:37 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/restricted amd64 Components [216 B]

Get:38 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/restricted amd64 c-n-f Metadata [116 B]

Get:39 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 Components [212 B]

Get:40 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 c-n-f Metadata [116 B]

Get:41 http://security.ubuntu.com/ubuntu noble-security/main amd64 Packages [711 kB]

Get:42 http://security.ubuntu.com/ubuntu noble-security/main Translation-en [136 kB]

Get:43 http://security.ubuntu.com/ubuntu noble-security/main amd64 Components [8960 B]

Get:44 http://security.ubuntu.com/ubuntu noble-security/main amd64 c-n-f Metadata [7068 B]

Get:45 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Packages [822 kB]

Get:46 http://security.ubuntu.com/ubuntu noble-security/universe Translation-en [177 kB]

Get:47 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Components [51.9 kB]

Get:48 http://security.ubuntu.com/ubuntu noble-security/universe amd64 c-n-f Metadata [17.0 kB]

Get:49 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Packages [810 kB]

Get:50 http://security.ubuntu.com/ubuntu noble-security/restricted Translation-en [164 kB]

Get:51 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Components [212 B]

Get:52 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 c-n-f Metadata [468 B]

Get:53 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Packages [17.6 kB]

Get:54 http://security.ubuntu.com/ubuntu noble-security/multiverse Translation-en [3792 B]

Get:55 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Components [212 B]

Get:56 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 c-n-f Metadata [380 B]

Fetched 33.1 MB in 24s (1400 kB/s)

Reading package lists...

Building dependency tree...

Reading state information...

34 packages can be upgraded. Run 'apt list --upgradable' to see them.

WARNING: apt does not have a stable CLI interface. Use with caution in scripts.

server-2 | CHANGED | rc=0 >>

Hit:1 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble InRelease

Get:2 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]

Get:3 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]

Get:4 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Packages [15.0 MB]

Get:5 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]

Get:6 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe Translation-en [5982 kB]

Get:7 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Components [3871 kB]

Get:8 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 c-n-f Metadata [301 kB]

Get:9 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Packages [269 kB]

Get:10 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse Translation-en [118 kB]

Get:11 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Components [35.0 kB]

Get:12 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 c-n-f Metadata [8328 B]

Get:13 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [960 kB]

Get:14 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main Translation-en [213 kB]

Get:15 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Components [151 kB]

Get:16 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 c-n-f Metadata [13.5 kB]

Get:17 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [1044 kB]

Get:18 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe Translation-en [263 kB]

Get:19 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Components [365 kB]

Get:20 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 c-n-f Metadata [26.0 kB]

Get:21 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Packages [842 kB]

Get:22 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted Translation-en [170 kB]

Get:23 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Components [212 B]

Get:24 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 c-n-f Metadata [492 B]

Get:25 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Packages [21.5 kB]

Get:26 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse Translation-en [4788 B]

Get:27 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Components [940 B]

Get:28 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 c-n-f Metadata [592 B]

Get:29 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 Packages [39.1 kB]

Get:30 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main Translation-en [8676 B]

Get:31 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 Components [7076 B]

Get:32 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 c-n-f Metadata [272 B]

Get:33 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 Packages [26.4 kB]

Get:34 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe Translation-en [16.3 kB]

Get:35 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 Components [15.7 kB]

Get:36 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 c-n-f Metadata [1304 B]

Get:37 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/restricted amd64 Components [216 B]

Get:38 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/restricted amd64 c-n-f Metadata [116 B]

Get:39 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 Components [212 B]

Get:40 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 c-n-f Metadata [116 B]

Get:41 http://security.ubuntu.com/ubuntu noble-security/main amd64 Packages [711 kB]

Get:42 http://security.ubuntu.com/ubuntu noble-security/main Translation-en [136 kB]

Get:43 http://security.ubuntu.com/ubuntu noble-security/main amd64 Components [8960 B]

Get:44 http://security.ubuntu.com/ubuntu noble-security/main amd64 c-n-f Metadata [7068 B]

Get:45 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Packages [822 kB]

Get:46 http://security.ubuntu.com/ubuntu noble-security/universe Translation-en [177 kB]

Get:47 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Components [51.9 kB]

Get:48 http://security.ubuntu.com/ubuntu noble-security/universe amd64 c-n-f Metadata [17.0 kB]

Get:49 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Packages [810 kB]

Get:50 http://security.ubuntu.com/ubuntu noble-security/restricted Translation-en [164 kB]

Get:51 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Components [212 B]

Get:52 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 c-n-f Metadata [468 B]

Get:53 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Packages [17.6 kB]

Get:54 http://security.ubuntu.com/ubuntu noble-security/multiverse Translation-en [3792 B]

Get:55 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Components [212 B]

Get:56 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 c-n-f Metadata [380 B]

Fetched 33.1 MB in 24s (1393 kB/s)

Reading package lists...

Building dependency tree...

Reading state information...

34 packages can be upgraded. Run 'apt list --upgradable' to see them.

WARNING: apt does not have a stable CLI interface. Use with caution in scripts.

ubuntu@ip-172-31-15-168:~/keys$

ubuntu@ip-172-31-15-168:~/keys$ sudo vim /etc/ansible/hosts

ubuntu@ip-172-31-15-168:~/keys$ sudo vim /etc/ansible/hosts

ubuntu@ip-172-31-15-168:~/keys$ ansible prod -m ping

server-3 | SUCCESS => {

"changed": false,

"ping": "pong"

}

ubuntu@ip-172-31-15-168:~/keys$ ansible-inventory --list

{

"\_meta": {

"hostvars": {

"server-1": {

"ansible\_host": "13.203.157.108",

"ansible\_python\_interpreter": "/usr/bin/python3",

"ansible\_ssh\_private\_key\_file": "/home/ubuntu/keys/ansible-master-key-demo.pem",

"ansible\_user": "ubuntu"

},

"server-2": {

"ansible\_host": "65.0.99.158",

"ansible\_python\_interpreter": "/usr/bin/python3",

"ansible\_ssh\_private\_key\_file": "/home/ubuntu/keys/ansible-master-key-demo.pem",

"ansible\_user": "ubuntu"

},

"server-3": {

"ansible\_host": "43.204.98.52",

"ansible\_python\_interpreter": "/usr/bin/python3",

"ansible\_ssh\_private\_key\_file": "/home/ubuntu/keys/ansible-master-key-demo.pem",

"ansible\_user": "ubuntu"

}

}

},

"all": {

"children": [

"ungrouped",

"servers",

"prod"

]

},

"prod": {

"hosts": [

"server-3"

]

},

"servers": {

"hosts": [

"server-1",

"server-2"

]

}

}

ubuntu@ip-172-31-15-168:~/keys$ ^C

ubuntu@ip-172-31-15-168:~/keys$ sudo vim /etc/ansible/hosts

ubuntu@ip-172-31-15-168:~/keys$ ansible prod -m ping

server-3 | SUCCESS => {

"changed": false,

"ping": "pong"

}

ubuntu@ip-172-31-15-168:~/keys$

---

- name: Dates Playbook

hosts: servers

tasks:

- name: Show date

command: date

- name: Show date again

command: date

---

- name: Dates Playbook

  hosts: servers

  tasks:

    - name: Show date

      command: date

    - name: Show date again

      command: date

ubuntu@ip-172-31-15-168:~/keys$ cd ..

ubuntu@ip-172-31-15-168:~$ mkdir playbooks

ubuntu@ip-172-31-15-168:~$ cd playbooks

ubuntu@ip-172-31-15-168:~/playbooks$ ls

ubuntu@ip-172-31-15-168:~/playbooks$ sudo vim date\_play.yml

ubuntu@ip-172-31-15-168:~/playbooks$ ansible-playbook date\_play.yml

PLAY [Dates Playbook] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TASK [Gathering Facts] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [server-2]

ok: [server-1]

TASK [Show date] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [server-2]

changed: [server-1]

TASK [show date again] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [server-1]

changed: [server-2]

PLAY RECAP \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

server-1 : ok=3 changed=2 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

server-2 : ok=3 changed=2 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

ubuntu@ip-172-31-15-168:~/playbooks$ ansible-playbook -v date\_play.yml

No config file found; using defaults

PLAY [Dates Playbook] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TASK [Gathering Facts] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [server-2]

ok: [server-1]

TASK [Show date] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [server-1] => {"changed": true, "cmd": ["date"], "delta": "0:00:00.004548", "end": "2025-03-28 04:27:12.992411", "msg": "", "rc": 0, "start": "2025-03-28 04:27:12.987863", "stderr": "", "stderr\_lines": [], "stdout": "Fri Mar 28 04:27:12 UTC 2025", "stdout\_lines": ["Fri Mar 28 04:27:12 UTC 2025"]}

changed: [server-2] => {"changed": true, "cmd": ["date"], "delta": "0:00:00.003871", "end": "2025-03-28 04:27:12.993421", "msg": "", "rc": 0, "start": "2025-03-28 04:27:12.989550", "stderr": "", "stderr\_lines": [], "stdout": "Fri Mar 28 04:27:12 UTC 2025", "stdout\_lines": ["Fri Mar 28 04:27:12 UTC 2025"]}

TASK [show date again] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [server-1] => {"changed": true, "cmd": ["date"], "delta": "0:00:00.003807", "end": "2025-03-28 04:27:13.312934", "msg": "", "rc": 0, "start": "2025-03-28 04:27:13.309127", "stderr": "", "stderr\_lines": [], "stdout": "Fri Mar 28 04:27:13 UTC 2025", "stdout\_lines": ["Fri Mar 28 04:27:13 UTC 2025"]}

changed: [server-2] => {"changed": true, "cmd": ["date"], "delta": "0:00:00.004316", "end": "2025-03-28 04:27:13.324982", "msg": "", "rc": 0, "start": "2025-03-28 04:27:13.320666", "stderr": "", "stderr\_lines": [], "stdout": "Fri Mar 28 04:27:13 UTC 2025", "stdout\_lines": ["Fri Mar 28 04:27:13 UTC 2025"]}

PLAY RECAP \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

server-1 : ok=3 changed=2 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

server-2 : ok=3 changed=2 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

ubuntu@ip-172-31-15-168:~/playbooks$

-

**name:** Dates Playbook

**hosts:** servers

**tasks:**

**- name:** Show date

**command:** date

**- name:** show uptime

**command:** uptime

**~**

**~**

ubuntu@ip-172-31-15-168:~/playbooks$ sudo vim date\_play.yml

ubuntu@ip-172-31-15-168:~/playbooks$ sudo vim date\_play.yml

ubuntu@ip-172-31-15-168:~/playbooks$ ansible-playbook -v date\_play.yml

No config file found; using defaults

PLAY [Dates Playbook] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TASK [Gathering Facts] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [server-1]

ok: [server-2]

TASK [Show date] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [server-1] => {"changed": true, "cmd": ["date"], "delta": "0:00:00.003751", "end": "2025-03-28 04:30:49.493282", "msg": "", "rc": 0, "start": "2025-03-28 04:30:49.489531", "stderr": "", "stderr\_lines": [], "stdout": "Fri Mar 28 04:30:49 UTC 2025", "stdout\_lines": ["Fri Mar 28 04:30:49 UTC 2025"]}

changed: [server-2] => {"changed": true, "cmd": ["date"], "delta": "0:00:00.002918", "end": "2025-03-28 04:30:49.510729", "msg": "", "rc": 0, "start": "2025-03-28 04:30:49.507811", "stderr": "", "stderr\_lines": [], "stdout": "Fri Mar 28 04:30:49 UTC 2025", "stdout\_lines": ["Fri Mar 28 04:30:49 UTC 2025"]}

TASK [show uptime] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [server-1] => {"changed": true, "cmd": ["uptime"], "delta": "0:00:00.006319", "end": "2025-03-28 04:30:49.833012", "msg": "", "rc": 0, "start": "2025-03-28 04:30:49.826693", "stderr": "", "stderr\_lines": [], "stdout": " 04:30:49 up 1:30, 1 user, load average: 0.00, 0.00, 0.00", "stdout\_lines": [" 04:30:49 up 1:30, 1 user, load average: 0.00, 0.00, 0.00"]}

changed: [server-2] => {"changed": true, "cmd": ["uptime"], "delta": "0:00:00.005470", "end": "2025-03-28 04:30:49.845930", "msg": "", "rc": 0, "start": "2025-03-28 04:30:49.840460", "stderr": "", "stderr\_lines": [], "stdout": " 04:30:49 up 1:30, 1 user, load average: 0.08, 0.02, 0.01", "stdout\_lines": [" 04:30:49 up 1:30, 1 user, load average: 0.08, 0.02, 0.01"]}

PLAY RECAP \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

server-1 : ok=3 changed=2 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

server-2 : ok=3 changed=2 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

ubuntu@ip-172-31-15-168:~/playbooks$

-

**name:** Install-nginx

**hosts:** servers

**become:** yes

**tasks:**

**- name:** nginx

**apt:**

**name:** nginx

**state:** latest

**~**

-

 name: Install-nginx

 hosts: servers

 become: yes

 tasks:

  - name: nginx

    apt:

      name: nginx

      state: latest

~

ubuntu@ip-172-31-15-168:~/playbooks$ sudo vim date\_play.yml

ubuntu@ip-172-31-15-168:~/playbooks$ sudo vim date\_play.yml

ubuntu@ip-172-31-15-168:~/playbooks$ ansible-playbook -v date\_play.yml

No config file found; using defaults

PLAY [Dates Playbook] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TASK [Gathering Facts] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [server-1]

ok: [server-2]

TASK [Show date] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [server-1] => {"changed": true, "cmd": ["date"], "delta": "0:00:00.003751", "end": "2025-03-28 04:30:49.493282", "msg": "", "rc": 0, "start": "2025-03-28 04:30:49.489531", "stderr": "", "stderr\_lines": [], "stdout": "Fri Mar 28 04:30:49 UTC 2025", "stdout\_lines": ["Fri Mar 28 04:30:49 UTC 2025"]}

changed: [server-2] => {"changed": true, "cmd": ["date"], "delta": "0:00:00.002918", "end": "2025-03-28 04:30:49.510729", "msg": "", "rc": 0, "start": "2025-03-28 04:30:49.507811", "stderr": "", "stderr\_lines": [], "stdout": "Fri Mar 28 04:30:49 UTC 2025", "stdout\_lines": ["Fri Mar 28 04:30:49 UTC 2025"]}

TASK [show uptime] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [server-1] => {"changed": true, "cmd": ["uptime"], "delta": "0:00:00.006319", "end": "2025-03-28 04:30:49.833012", "msg": "", "rc": 0, "start": "2025-03-28 04:30:49.826693", "stderr": "", "stderr\_lines": [], "stdout": " 04:30:49 up 1:30, 1 user, load average: 0.00, 0.00, 0.00", "stdout\_lines": [" 04:30:49 up 1:30, 1 user, load average: 0.00, 0.00, 0.00"]}

changed: [server-2] => {"changed": true, "cmd": ["uptime"], "delta": "0:00:00.005470", "end": "2025-03-28 04:30:49.845930", "msg": "", "rc": 0, "start": "2025-03-28 04:30:49.840460", "stderr": "", "stderr\_lines": [], "stdout": " 04:30:49 up 1:30, 1 user, load average: 0.08, 0.02, 0.01", "stdout\_lines": [" 04:30:49 up 1:30, 1 user, load average: 0.08, 0.02, 0.01"]}

PLAY RECAP \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

server-1 : ok=3 changed=2 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

server-2 : ok=3 changed=2 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

-

**name:** Install-nginx

**hosts:** servers

**become:** yes

**tasks:**

**- name:** nginx

**apt:**

**name:** nginx

**state:** latest

**- name:** start-ngninx

**service:**

**name:** nginx

**state:** started

**enabled:** **true**

**~**

**~**

**~**

-

 name: Install-nginx

 hosts: servers

 become: yes

 tasks:

  - name: nginx

    apt:

      name: nginx

      state: latest

  - name: start-ngninx

    service:

      name: nginx

      state: started

      enabled: true

ubuntu@ip-172-31-15-168:~/playbooks$ sudo vim install\_nginx\_play.yml

ubuntu@ip-172-31-15-168:~/playbooks$ ^C

ubuntu@ip-172-31-15-168:~/playbooks$ ansible-playbook install\_nginx\_play.yml

PLAY [Install-nginx] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TASK [Gathering Facts] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [server-2]

ok: [server-1]

TASK [nginx] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [server-1]

ok: [server-2]

TASK [start-ngninx] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [server-1]

ok: [server-2]

PLAY RECAP \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

server-1 : ok=3 changed=0 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

server-2 : ok=3 changed=0 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

ubuntu@ip-172-31-15-168:~/playbooks$

-

**name:** Install nginx and serve static website

**hosts:** prod

**become:** yes

**tasks:**

**- name:** instsll-nginx

**apt:**

**name:** nginx

**state:** latest

**- name:**

**service:**

**name:** start nginx

**state:** started

**enabled:** yes

**- name:** Deploy a web page

**copy:**

**src:** index.html

**dest:** /var/www/html

**~**

-

 name: Install nginx and serve static website

 hosts: prod

 become: yes

 tasks:

   - name: instsll-nginx

     apt:

       name: nginx

       state: latest

   - name:

     service:

       name: start nginx

       state: started

       enabled: yes

   - name: Deploy a web page

     copy:

       src: index.html

       dest: /var/www/html

ubuntu@ip-172-31-15-168:~/playbooks$ sudo vim deploy\_static\_page\_play.yml

ubuntu@ip-172-31-15-168:~/playbooks$ cat deploy\_static\_page\_play.yml

-

name: Install nginx and serve static website

hosts: prod

become: yes

tasks:

- name: instsll-nginx

apt:

name: nginx

state: latest

- name:

service:

name: start nginx

state: started

enabled: yes

- name: Deploy a web page

copy:

src: index.html

dest: /var/www/html

~

- name: Install nginx and serve static website

hosts: prod

become: yes

tasks:

- name: Install nginx

apt:

name: nginx

state: latest

- name: Start nginx service

service:

name: nginx

state: started

enabled: yes

- name: Deploy a web page

copy:

src: index.html

dest: /var/www/html

-

 name: Install nginx and serve static website

 hosts: prod

 become: yes

 tasks:

   - name: instsll-nginx

     apt:

       name: nginx

       state: latest

   - name:

     service:

       name: start nginx

       state: started

       enabled: yes

   - name: Deploy a web page

     copy:

       src: index.html

       dest: /var/www/html

ubuntu@ip-172-31-15-168:~/playbooks$ sudo vim deploy\_static\_page\_plays.yml

ubuntu@ip-172-31-15-168:~/playbooks$ ansible-playbook deploy\_static\_page\_plays.yml

PLAY [Install nginx and serve static website] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TASK [Gathering Facts] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [server-3]

TASK [Install nginx] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [server-3]

TASK [Start nginx service] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [server-3]

TASK [Deploy a web page] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [server-3]

PLAY RECAP \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

server-3 : ok=4 changed=2 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

ubuntu@ip-172-31-15-168:~/playbooks$ cat deploy\_static\_page\_play.yml

-

name: Install nginx and serve static website

hosts: prod

become: yes

tasks:

- name: instsll-nginx

apt:

name: nginx

state: latest

- name:

service:

name: start nginx

state: started

enabled: yes

- name: Deploy a web page

copy:

src: index.html

dest: /var/www/html

COPY EVERYTHNING

user121@DESKTOP-JFJ21I5 MINGW64 ~/Downloads

$

chmod 400 "ansible-master-key-demo.pem"

user121@DESKTOP-JFJ21I5 MINGW64 ~/Downloads

$ ssh -i "ansible-master-key-demo.pem" ubuntu@ec2-13-233-104-58.ap-south-1.compute.amazonaws.com

Welcome to Ubuntu 24.04.2 LTS (GNU/Linux 6.8.0-1024-aws x86\_64)

\* Documentation: https://help.ubuntu.com

\* Management: https://landscape.canonical.com

\* Support: https://ubuntu.com/pro

System information as of Fri Mar 28 03:12:25 UTC 2025

System load: 0.06 Processes: 108

Usage of /: 37.1% of 6.71GB Users logged in: 0

Memory usage: 28% IPv4 address for enX0: 172.31.15.168

Swap usage: 0%

Expanded Security Maintenance for Applications is not enabled.

37 updates can be applied immediately.

16 of these updates are standard security updates.

To see these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates.

See https://ubuntu.com/esm or run: sudo pro status

Last login: Fri Mar 28 03:05:07 2025 from 103.6.157.181

ubuntu@ip-172-31-15-168:~$ sudo apt-add-repository ppa:ansible^C

ubuntu@ip-172-31-15-168:~$ sudo apt-add-repository ppa:ansible/ansible

Repository: 'Types: deb

URIs: https://ppa.launchpadcontent.net/ansible/ansible/ubuntu/

Suites: noble

Components: main

'

Description:

Ansible is a radically simple IT automation platform that makes your applications and systems easier to deploy. Avoid writing scripts or custom code to deploy and update your applications— automate in a language that approaches plain English, using SSH, with no agents to install on remote systems.

http://ansible.com/

If you face any issues while installing Ansible PPA, file an issue here:

https://github.com/ansible-community/ppa/issues

More info: https://launchpad.net/~ansible/+archive/ubuntu/ansible

Adding repository.

Press [ENTER] to continue or Ctrl-c to cancel.

Hit:1 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble InRelease

Hit:2 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease

Hit:3 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease

Hit:4 http://security.ubuntu.com/ubuntu noble-security InRelease

Get:5 https://ppa.launchpadcontent.net/ansible/ansible/ubuntu noble InRelease [17.8 kB]

Get:6 https://ppa.launchpadcontent.net/ansible/ansible/ubuntu noble/main amd64 Packages [776 B]

Get:7 https://ppa.launchpadcontent.net/ansible/ansible/ubuntu noble/main Translation-en [472 B]

Fetched 19.1 kB in 1s (17.0 kB/s)

Reading package lists... Done

ubuntu@ip-172-31-15-168:~$ sudo apt update

Hit:1 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble InRelease

Hit:2 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease

Hit:3 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease

Hit:4 http://security.ubuntu.com/ubuntu noble-security InRelease

Hit:5 https://ppa.launchpadcontent.net/ansible/ansible/ubuntu noble InRelease

Reading package lists... Done

Building dependency tree... Done

Reading state information... Done

36 packages can be upgraded. Run 'apt list --upgradable' to see them.

ubuntu@ip-172-31-15-168:~$ sudo apt install ansible

Reading package lists... Done

Building dependency tree... Done

Reading state information... Done

The following packages will be upgraded:

ansible

1 upgraded, 0 newly installed, 0 to remove and 35 not upgraded.

Need to get 17.8 MB of archives.

After this operation, 89.1 MB disk space will be freed.

Get:1 https://ppa.launchpadcontent.net/ansible/ansible/ubuntu noble/main amd64 ansible all 10.7.0-1ppa~noble [17.8 MB]

Fetched 17.8 MB in 1min 6s (270 kB/s)

(Reading database ... 93623 files and directories currently installed.)

Preparing to unpack .../ansible\_10.7.0-1ppa~noble\_all.deb ...

Unpacking ansible (10.7.0-1ppa~noble) over (9.2.0+dfsg-0ubuntu5) ...

Setting up ansible (10.7.0-1ppa~noble) ...

Processing triggers for man-db (2.12.0-4build2) ...

Scanning processes...

Scanning linux images...

Running kernel seems to be up-to-date.

No services need to be restarted.

No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.

ubuntu@ip-172-31-15-168:~$ sudo vim /etc/ansible/hosts

ubuntu@ip-172-31-15-168:~$ ansible --v

usage: ansible [-h] [--version] [-v] [-b] [--become-method BECOME\_METHOD] [--become-user BECOME\_USER] [-K | --become-password-file BECOME\_PASSWORD\_FILE] [-i INVENTORY] [--list-hosts]

[-l SUBSET] [-P POLL\_INTERVAL] [-B SECONDS] [-o] [-t TREE] [--private-key PRIVATE\_KEY\_FILE] [-u REMOTE\_USER] [-c CONNECTION] [-T TIMEOUT] [--ssh-common-args SSH\_COMMON\_ARGS]

[--sftp-extra-args SFTP\_EXTRA\_ARGS] [--scp-extra-args SCP\_EXTRA\_ARGS] [--ssh-extra-args SSH\_EXTRA\_ARGS] [-k | --connection-password-file CONNECTION\_PASSWORD\_FILE] [-C] [-D]

[-e EXTRA\_VARS] [--vault-id VAULT\_IDS] [-J | --vault-password-file VAULT\_PASSWORD\_FILES] [-f FORKS] [-M MODULE\_PATH] [--playbook-dir BASEDIR] [--task-timeout TASK\_TIMEOUT]

[-a MODULE\_ARGS] [-m MODULE\_NAME]

pattern

ansible: error: ambiguous option: --v could match --version, --verbose, --vault-id, --vault-password-file, --vault-pass-file

usage: ansible [-h] [--version] [-v] [-b] [--become-method BECOME\_METHOD] [--become-user BECOME\_USER] [-K | --become-password-file BECOME\_PASSWORD\_FILE] [-i INVENTORY] [--list-hosts]

[-l SUBSET] [-P POLL\_INTERVAL] [-B SECONDS] [-o] [-t TREE] [--private-key PRIVATE\_KEY\_FILE] [-u REMOTE\_USER] [-c CONNECTION] [-T TIMEOUT] [--ssh-common-args SSH\_COMMON\_ARGS]

[--sftp-extra-args SFTP\_EXTRA\_ARGS] [--scp-extra-args SCP\_EXTRA\_ARGS] [--ssh-extra-args SSH\_EXTRA\_ARGS] [-k | --connection-password-file CONNECTION\_PASSWORD\_FILE] [-C] [-D]

[-e EXTRA\_VARS] [--vault-id VAULT\_IDS] [-J | --vault-password-file VAULT\_PASSWORD\_FILES] [-f FORKS] [-M MODULE\_PATH] [--playbook-dir BASEDIR] [--task-timeout TASK\_TIMEOUT]

[-a MODULE\_ARGS] [-m MODULE\_NAME]

pattern

Define and run a single task 'playbook' against a set of hosts

positional arguments:

pattern host pattern

options:

--become-password-file BECOME\_PASSWORD\_FILE, --become-pass-file BECOME\_PASSWORD\_FILE

Become password file

--connection-password-file CONNECTION\_PASSWORD\_FILE, --conn-pass-file CONNECTION\_PASSWORD\_FILE

Connection password file

--list-hosts outputs a list of matching hosts; does not execute anything else

--playbook-dir BASEDIR

Since this tool does not use playbooks, use this as a substitute playbook directory. This sets the relative path for many features including roles/ group\_vars/ etc.

--task-timeout TASK\_TIMEOUT

set task timeout limit in seconds, must be positive integer.

--vault-id VAULT\_IDS the vault identity to use. This argument may be specified multiple times.

--vault-password-file VAULT\_PASSWORD\_FILES, --vault-pass-file VAULT\_PASSWORD\_FILES

vault password file

--version show program's version number, config file location, configured module search path, module location, executable location and exit

-B SECONDS, --background SECONDS

run asynchronously, failing after X seconds (default=N/A)

-C, --check don't make any changes; instead, try to predict some of the changes that may occur

-D, --diff when changing (small) files and templates, show the differences in those files; works great with --check

-J, --ask-vault-password, --ask-vault-pass

ask for vault password

-K, --ask-become-pass

ask for privilege escalation password

-M MODULE\_PATH, --module-path MODULE\_PATH

prepend colon-separated path(s) to module library (default={{ ANSIBLE\_HOME ~ "/plugins/modules:/usr/share/ansible/plugins/modules" }}). This argument may be specified

multiple times.

-P POLL\_INTERVAL, --poll POLL\_INTERVAL

set the poll interval if using -B (default=15)

-a MODULE\_ARGS, --args MODULE\_ARGS

The action's options in space separated k=v format: -a 'opt1=val1 opt2=val2' or a json string: -a '{"opt1": "val1", "opt2": "val2"}'

-e EXTRA\_VARS, --extra-vars EXTRA\_VARS

set additional variables as key=value or YAML/JSON, if filename prepend with @. This argument may be specified multiple times.

-f FORKS, --forks FORKS

specify number of parallel processes to use (default=5)

-h, --help show this help message and exit

-i INVENTORY, --inventory INVENTORY, --inventory-file INVENTORY

specify inventory host path or comma separated host list. --inventory-file is deprecated. This argument may be specified multiple times.

-k, --ask-pass ask for connection password

-l SUBSET, --limit SUBSET

further limit selected hosts to an additional pattern

-m MODULE\_NAME, --module-name MODULE\_NAME

Name of the action to execute (default=command)

-o, --one-line condense output

-t TREE, --tree TREE log output to this directory

-v, --verbose Causes Ansible to print more debug messages. Adding multiple -v will increase the verbosity, the builtin plugins currently evaluate up to -vvvvvv. A reasonable level

to start is -vvv, connection debugging might require -vvvv. This argument may be specified multiple times.

Privilege Escalation Options:

control how and which user you become as on target hosts

--become-method BECOME\_METHOD

privilege escalation method to use (default=sudo), use `ansible-doc -t become -l` to list valid choices.

--become-user BECOME\_USER

run operations as this user (default=root)

-b, --become run operations with become (does not imply password prompting)

Connection Options:

control as whom and how to connect to hosts

--private-key PRIVATE\_KEY\_FILE, --key-file PRIVATE\_KEY\_FILE

use this file to authenticate the connection

--scp-extra-args SCP\_EXTRA\_ARGS

specify extra arguments to pass to scp only (e.g. -l)

--sftp-extra-args SFTP\_EXTRA\_ARGS

specify extra arguments to pass to sftp only (e.g. -f, -l)

--ssh-common-args SSH\_COMMON\_ARGS

specify common arguments to pass to sftp/scp/ssh (e.g. ProxyCommand)

--ssh-extra-args SSH\_EXTRA\_ARGS

specify extra arguments to pass to ssh only (e.g. -R)

-T TIMEOUT, --timeout TIMEOUT

override the connection timeout in seconds (default depends on connection)

-c CONNECTION, --connection CONNECTION

connection type to use (default=ssh)

-u REMOTE\_USER, --user REMOTE\_USER

connect as this user (default=None)

Some actions do not make sense in Ad-Hoc (include, meta, etc)

ubuntu@ip-172-31-15-168:~$ ansible --version

ansible [core 2.16.3]

config file = None

configured module search path = ['/home/ubuntu/.ansible/plugins/modules', '/usr/share/ansible/plugins/modules']

ansible python module location = /usr/lib/python3/dist-packages/ansible

ansible collection location = /home/ubuntu/.ansible/collections:/usr/share/ansible/collections

executable location = /usr/bin/ansible

python version = 3.12.3 (main, Feb 4 2025, 14:48:35) [GCC 13.3.0] (/usr/bin/python3)

jinja version = 3.1.2

libyaml = True

ubuntu@ip-172-31-15-168:~$ sudo nano /etc/ansible/hosts

ubuntu@ip-172-31-15-168:~$ cd /etc/ansible

-bash: cd: /etc/ansible: No such file or directory

ubuntu@ip-172-31-15-168:~$ ^C

ubuntu@ip-172-31-15-168:~$ sudo mkdir -p /etc/ansible

ubuntu@ip-172-31-15-168:~$ sudo nano /etc/ansible/hosts

ubuntu@ip-172-31-15-168:~$ sudo nano /etc/ansible/hosts

ubuntu@ip-172-31-15-168:~$ mkdir keys

ubuntu@ip-172-31-15-168:~$ cd keys/

ubuntu@ip-172-31-15-168:~/keys$ pwd

/home/ubuntu/keys

ubuntu@ip-172-31-15-168:~/keys$ ls -ld /home/ubuntu/keys

drwxrwxr-x 2 ubuntu ubuntu 4096 Mar 28 03:34 **/home/ubuntu/keys**

ubuntu@ip-172-31-15-168:~/keys$ cd ..

ubuntu@ip-172-31-15-168:~$ ls -ld /home/ubuntu/keys

drwxrwxr-x 2 ubuntu ubuntu 4096 Mar 28 03:34 **/home/ubuntu/keys**

ubuntu@ip-172-31-15-168:~$ ls -ld /home/ubuntu/keys

drwxrwxr-x 2 ubuntu ubuntu 4096 Mar 28 03:34 **/home/ubuntu/keys**

ubuntu@ip-172-31-15-168:~$ cd /home/ubuntu/keys

ubuntu@ip-172-31-15-168:~/keys$ ls

ansible-master-key-demo.pem

ubuntu@ip-172-31-15-168:~/keys$ ls -lh

total 4.0K

-r--r--r-- 1 ubuntu ubuntu 1.7K Mar 28 03:34 ansible-master-key-demo.pem

ubuntu@ip-172-31-15-168:~/keys$ sudo vim /etc/ansible/hosts

ubuntu@ip-172-31-15-168:~/keys$ sudo vim /etc/ansible/hosts

ubuntu@ip-172-31-15-168:~/keys$ ansible servers -m ping

The authenticity of host '65.0.99.158 (65.0.99.158)' can't be established.

ED25519 key fingerprint is SHA256:R0rv8c4oeL7RLs2HesmWFhj+pZ4D4ItlMpFsE1qBIkg.

This key is not known by any other names.

The authenticity of host '43.204.98.52 (43.204.98.52)' can't be established.

ED25519 key fingerprint is SHA256:V7S76201PxZTLBPHjmlpVRhtTUfzaE5SCSrzFHf+uxw.

This key is not known by any other names.

The authenticity of host '13.203.157.108 (13.203.157.108)' can't be established.

ED25519 key fingerprint is SHA256:ARa08D9UqP/DG8H4EuLv40iomg+NssVeRBL3NCGY7dM.

This key is not known by any other names.

Are you sure you want to continue connecting (yes/no/[fingerprint])? yes

**server-3 | UNREACHABLE! => {**

**"changed": false,**

**"msg": "Failed to connect to the host via ssh: Warning: Permanently added '43.204.98.52' (ED25519) to the list of known hosts.\r\nno such identity: /home/ubuntu/keys/ansible-master-key-demo.pemy: No such file or directory\r\nubuntu@43.204.98.52: Permission denied (publickey).",**

**"unreachable": true**

**}**

**server-2 | UNREACHABLE! => {**

**"changed": false,**

**"msg": "Failed to connect to the host via ssh: Host key verification failed.",**

**"unreachable": true**

**}**

**server-1 | UNREACHABLE! => {**

**"changed": false,**

**"msg": "Failed to connect to the host via ssh: Host key verification failed.",**

**"unreachable": true**

**}**

ubuntu@ip-172-31-15-168:~/keys$ sudo vim /etc/ansible/hosts^C

ubuntu@ip-172-31-15-168:~/keys$ ls /home/ubuntu/keys/ansible-master-key-demo.pem

/home/ubuntu/keys/ansible-master-key-demo.pem

ubuntu@ip-172-31-15-168:~/keys$ sudo chmod 400 /home/ubuntu/keys/ansible-master-key-demo.pem

ubuntu@ip-172-31-15-168:~/keys$ sudo vim /etc/ansible/hosts

ubuntu@ip-172-31-15-168:~/keys$ ansible servers -m ping

The authenticity of host '13.203.157.108 (13.203.157.108)' can't be established.

ED25519 key fingerprint is SHA256:ARa08D9UqP/DG8H4EuLv40iomg+NssVeRBL3NCGY7dM.

This key is not known by any other names.

The authenticity of host '65.0.99.158 (65.0.99.158)' can't be established.

ED25519 key fingerprint is SHA256:R0rv8c4oeL7RLs2HesmWFhj+pZ4D4ItlMpFsE1qBIkg.

This key is not known by any other names.

Are you sure you want to continue connecting (yes/no/[fingerprint])? yes

server-1 | SUCCESS => {

"changed": false,

"ping": "pong"

}

server-3 | SUCCESS => {

"changed": false,

"ping": "pong"

}

**server-2 | UNREACHABLE! => {**

**"changed": false,**

**"msg": "Failed to connect to the host via ssh: Host key verification failed.",**

**"unreachable": true**

**}**

ubuntu@ip-172-31-15-168:~/keys$ ansible servers -m ping^C

ubuntu@ip-172-31-15-168:~/keys$ ssh-keygen -R 65.0.99.158

Host 65.0.99.158 not found in /home/ubuntu/.ssh/known\_hosts

ubuntu@ip-172-31-15-168:~/keys$ ssh-keyscan -H 65.0.99.158 >> ~/.ssh/known\_hosts

# 65.0.99.158:22 SSH-2.0-OpenSSH\_9.6p1 Ubuntu-3ubuntu13.8

# 65.0.99.158:22 SSH-2.0-OpenSSH\_9.6p1 Ubuntu-3ubuntu13.8

# 65.0.99.158:22 SSH-2.0-OpenSSH\_9.6p1 Ubuntu-3ubuntu13.8

# 65.0.99.158:22 SSH-2.0-OpenSSH\_9.6p1 Ubuntu-3ubuntu13.8

# 65.0.99.158:22 SSH-2.0-OpenSSH\_9.6p1 Ubuntu-3ubuntu13.8

ubuntu@ip-172-31-15-168:~/keys$ ansible servers -m ping

server-1 | SUCCESS => {

"changed": false,

"ping": "pong"

}

server-3 | SUCCESS => {

"changed": false,

"ping": "pong"

}

server-2 | SUCCESS => {

"changed": false,

"ping": "pong"

}

ubuntu@ip-172-31-15-168:~/keys$

ubuntu@ip-172-31-15-168:~/keys$ ansible servers -a "free -h"

server-3 | CHANGED | rc=0 >>

total used free shared buff/cache available

Mem: 957Mi 329Mi 396Mi 888Ki 384Mi 627Mi

Swap: 0B 0B 0B

server-2 | CHANGED | rc=0 >>

total used free shared buff/cache available

Mem: 957Mi 327Mi 399Mi 880Ki 383Mi 629Mi

Swap: 0B 0B 0B

server-1 | CHANGED | rc=0 >>

total used free shared buff/cache available

Mem: 957Mi 341Mi 385Mi 888Ki 383Mi 615Mi

Swap: 0B 0B 0B

ubuntu@ip-172-31-15-168:~/keys$ ansible servers -a "sudo apt update"

server-1 | CHANGED | rc=0 >>

Hit:1 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble InRelease

Get:2 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]

Get:3 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]

Get:4 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Packages [15.0 MB]

Get:5 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]

Get:6 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe Translation-en [5982 kB]

Get:7 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Components [3871 kB]

Get:8 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 c-n-f Metadata [301 kB]

Get:9 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Packages [269 kB]

Get:10 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse Translation-en [118 kB]

Get:11 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Components [35.0 kB]

Get:12 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 c-n-f Metadata [8328 B]

Get:13 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [960 kB]

Get:14 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main Translation-en [213 kB]

Get:15 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Components [151 kB]

Get:16 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 c-n-f Metadata [13.5 kB]

Get:17 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [1044 kB]

Get:18 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe Translation-en [263 kB]

Get:19 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Components [365 kB]

Get:20 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 c-n-f Metadata [26.0 kB]

Get:21 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Packages [842 kB]

Get:22 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted Translation-en [170 kB]

Get:23 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Components [212 B]

Get:24 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 c-n-f Metadata [492 B]

Get:25 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Packages [21.5 kB]

Get:26 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse Translation-en [4788 B]

Get:27 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Components [940 B]

Get:28 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 c-n-f Metadata [592 B]

Get:29 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 Packages [39.1 kB]

Get:30 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main Translation-en [8676 B]

Get:31 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 Components [7076 B]

Get:32 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 c-n-f Metadata [272 B]

Get:33 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 Packages [26.4 kB]

Get:34 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe Translation-en [16.3 kB]

Get:35 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 Components [15.7 kB]

Get:36 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 c-n-f Metadata [1304 B]

Get:37 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/restricted amd64 Components [216 B]

Get:38 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/restricted amd64 c-n-f Metadata [116 B]

Get:39 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 Components [212 B]

Get:40 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 c-n-f Metadata [116 B]

Get:41 http://security.ubuntu.com/ubuntu noble-security/main amd64 Packages [711 kB]

Get:42 http://security.ubuntu.com/ubuntu noble-security/main Translation-en [136 kB]

Get:43 http://security.ubuntu.com/ubuntu noble-security/main amd64 Components [8960 B]

Get:44 http://security.ubuntu.com/ubuntu noble-security/main amd64 c-n-f Metadata [7068 B]

Get:45 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Packages [822 kB]

Get:46 http://security.ubuntu.com/ubuntu noble-security/universe Translation-en [177 kB]

Get:47 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Components [51.9 kB]

Get:48 http://security.ubuntu.com/ubuntu noble-security/universe amd64 c-n-f Metadata [17.0 kB]

Get:49 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Packages [810 kB]

Get:50 http://security.ubuntu.com/ubuntu noble-security/restricted Translation-en [164 kB]

Get:51 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Components [212 B]

Get:52 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 c-n-f Metadata [468 B]

Get:53 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Packages [17.6 kB]

Get:54 http://security.ubuntu.com/ubuntu noble-security/multiverse Translation-en [3792 B]

Get:55 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Components [212 B]

Get:56 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 c-n-f Metadata [380 B]

Fetched 33.1 MB in 13s (2638 kB/s)

Reading package lists...

Building dependency tree...

Reading state information...

34 packages can be upgraded. Run 'apt list --upgradable' to see them.

WARNING: apt does not have a stable CLI interface. Use with caution in scripts.

server-3 | CHANGED | rc=0 >>

Hit:1 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble InRelease

Get:2 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]

Get:3 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]

Get:4 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Packages [15.0 MB]

Get:5 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]

Get:6 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe Translation-en [5982 kB]

Get:7 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Components [3871 kB]

Get:8 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 c-n-f Metadata [301 kB]

Get:9 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Packages [269 kB]

Get:10 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse Translation-en [118 kB]

Get:11 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Components [35.0 kB]

Get:12 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 c-n-f Metadata [8328 B]

Get:13 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [960 kB]

Get:14 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main Translation-en [213 kB]

Get:15 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Components [151 kB]

Get:16 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 c-n-f Metadata [13.5 kB]

Get:17 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [1044 kB]

Get:18 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe Translation-en [263 kB]

Get:19 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Components [365 kB]

Get:20 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 c-n-f Metadata [26.0 kB]

Get:21 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Packages [842 kB]

Get:22 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted Translation-en [170 kB]

Get:23 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Components [212 B]

Get:24 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 c-n-f Metadata [492 B]

Get:25 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Packages [21.5 kB]

Get:26 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse Translation-en [4788 B]

Get:27 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Components [940 B]

Get:28 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 c-n-f Metadata [592 B]

Get:29 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 Packages [39.1 kB]

Get:30 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main Translation-en [8676 B]

Get:31 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 Components [7076 B]

Get:32 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 c-n-f Metadata [272 B]

Get:33 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 Packages [26.4 kB]

Get:34 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe Translation-en [16.3 kB]

Get:35 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 Components [15.7 kB]

Get:36 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 c-n-f Metadata [1304 B]

Get:37 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/restricted amd64 Components [216 B]

Get:38 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/restricted amd64 c-n-f Metadata [116 B]

Get:39 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 Components [212 B]

Get:40 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 c-n-f Metadata [116 B]

Get:41 http://security.ubuntu.com/ubuntu noble-security/main amd64 Packages [711 kB]

Get:42 http://security.ubuntu.com/ubuntu noble-security/main Translation-en [136 kB]

Get:43 http://security.ubuntu.com/ubuntu noble-security/main amd64 Components [8960 B]

Get:44 http://security.ubuntu.com/ubuntu noble-security/main amd64 c-n-f Metadata [7068 B]

Get:45 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Packages [822 kB]

Get:46 http://security.ubuntu.com/ubuntu noble-security/universe Translation-en [177 kB]

Get:47 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Components [51.9 kB]

Get:48 http://security.ubuntu.com/ubuntu noble-security/universe amd64 c-n-f Metadata [17.0 kB]

Get:49 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Packages [810 kB]

Get:50 http://security.ubuntu.com/ubuntu noble-security/restricted Translation-en [164 kB]

Get:51 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Components [212 B]

Get:52 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 c-n-f Metadata [468 B]

Get:53 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Packages [17.6 kB]

Get:54 http://security.ubuntu.com/ubuntu noble-security/multiverse Translation-en [3792 B]

Get:55 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Components [212 B]

Get:56 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 c-n-f Metadata [380 B]

Fetched 33.1 MB in 24s (1400 kB/s)

Reading package lists...

Building dependency tree...

Reading state information...

34 packages can be upgraded. Run 'apt list --upgradable' to see them.

WARNING: apt does not have a stable CLI interface. Use with caution in scripts.

server-2 | CHANGED | rc=0 >>

Hit:1 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble InRelease

Get:2 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]

Get:3 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]

Get:4 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Packages [15.0 MB]

Get:5 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]

Get:6 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe Translation-en [5982 kB]

Get:7 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Components [3871 kB]

Get:8 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 c-n-f Metadata [301 kB]

Get:9 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Packages [269 kB]

Get:10 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse Translation-en [118 kB]

Get:11 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Components [35.0 kB]

Get:12 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 c-n-f Metadata [8328 B]

Get:13 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [960 kB]

Get:14 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main Translation-en [213 kB]

Get:15 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Components [151 kB]

Get:16 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 c-n-f Metadata [13.5 kB]

Get:17 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [1044 kB]

Get:18 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe Translation-en [263 kB]

Get:19 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Components [365 kB]

Get:20 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 c-n-f Metadata [26.0 kB]

Get:21 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Packages [842 kB]

Get:22 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted Translation-en [170 kB]

Get:23 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Components [212 B]

Get:24 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 c-n-f Metadata [492 B]

Get:25 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Packages [21.5 kB]

Get:26 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse Translation-en [4788 B]

Get:27 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Components [940 B]

Get:28 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 c-n-f Metadata [592 B]

Get:29 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 Packages [39.1 kB]

Get:30 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main Translation-en [8676 B]

Get:31 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 Components [7076 B]

Get:32 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 c-n-f Metadata [272 B]

Get:33 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 Packages [26.4 kB]

Get:34 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe Translation-en [16.3 kB]

Get:35 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 Components [15.7 kB]

Get:36 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 c-n-f Metadata [1304 B]

Get:37 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/restricted amd64 Components [216 B]

Get:38 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/restricted amd64 c-n-f Metadata [116 B]

Get:39 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 Components [212 B]

Get:40 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 c-n-f Metadata [116 B]

Get:41 http://security.ubuntu.com/ubuntu noble-security/main amd64 Packages [711 kB]

Get:42 http://security.ubuntu.com/ubuntu noble-security/main Translation-en [136 kB]

Get:43 http://security.ubuntu.com/ubuntu noble-security/main amd64 Components [8960 B]

Get:44 http://security.ubuntu.com/ubuntu noble-security/main amd64 c-n-f Metadata [7068 B]

Get:45 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Packages [822 kB]

Get:46 http://security.ubuntu.com/ubuntu noble-security/universe Translation-en [177 kB]

Get:47 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Components [51.9 kB]

Get:48 http://security.ubuntu.com/ubuntu noble-security/universe amd64 c-n-f Metadata [17.0 kB]

Get:49 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Packages [810 kB]

Get:50 http://security.ubuntu.com/ubuntu noble-security/restricted Translation-en [164 kB]

Get:51 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Components [212 B]

Get:52 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 c-n-f Metadata [468 B]

Get:53 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Packages [17.6 kB]

Get:54 http://security.ubuntu.com/ubuntu noble-security/multiverse Translation-en [3792 B]

Get:55 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Components [212 B]

Get:56 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 c-n-f Metadata [380 B]

Fetched 33.1 MB in 24s (1393 kB/s)

Reading package lists...

Building dependency tree...

Reading state information...

34 packages can be upgraded. Run 'apt list --upgradable' to see them.

WARNING: apt does not have a stable CLI interface. Use with caution in scripts.

ubuntu@ip-172-31-15-168:~/keys$

ubuntu@ip-172-31-15-168:~/keys$ sudo vim /etc/ansible/hosts

ubuntu@ip-172-31-15-168:~/keys$ sudo vim /etc/ansible/hosts

ubuntu@ip-172-31-15-168:~/keys$ ansible prod -m ping

server-3 | SUCCESS => {

"changed": false,

"ping": "pong"

}

ubuntu@ip-172-31-15-168:~/keys$ ansible-inventory --list

{

"\_meta": {

"hostvars": {

"server-1": {

"ansible\_host": "13.203.157.108",

"ansible\_python\_interpreter": "/usr/bin/python3",

"ansible\_ssh\_private\_key\_file": "/home/ubuntu/keys/ansible-master-key-demo.pem",

"ansible\_user": "ubuntu"

},

"server-2": {

"ansible\_host": "65.0.99.158",

"ansible\_python\_interpreter": "/usr/bin/python3",

"ansible\_ssh\_private\_key\_file": "/home/ubuntu/keys/ansible-master-key-demo.pem",

"ansible\_user": "ubuntu"

},

"server-3": {

"ansible\_host": "43.204.98.52",

"ansible\_python\_interpreter": "/usr/bin/python3",

"ansible\_ssh\_private\_key\_file": "/home/ubuntu/keys/ansible-master-key-demo.pem",

"ansible\_user": "ubuntu"

}

}

},

"all": {

"children": [

"ungrouped",

"servers",

"prod"

]

},

"prod": {

"hosts": [

"server-3"

]

},

"servers": {

"hosts": [

"server-1",

"server-2"

]

}

}

ubuntu@ip-172-31-15-168:~/keys$ ^C

ubuntu@ip-172-31-15-168:~/keys$ sudo vim /etc/ansible/hosts

ubuntu@ip-172-31-15-168:~/keys$ ansible prod -m ping

server-3 | SUCCESS => {

"changed": false,

"ping": "pong"

}

ubuntu@ip-172-31-15-168:~/keys$ cd ..

ubuntu@ip-172-31-15-168:~$ mkdir playbooks

ubuntu@ip-172-31-15-168:~$ cd playbooks

ubuntu@ip-172-31-15-168:~/playbooks$ ls

ubuntu@ip-172-31-15-168:~/playbooks$ sudo vim date\_play.yml

ubuntu@ip-172-31-15-168:~/playbooks$ ansible-playbook date\_play.yml

PLAY [Dates Playbook] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TASK [Gathering Facts] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [server-2]

ok: [server-1]

TASK [Show date] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [server-2]

changed: [server-1]

TASK [show date again] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [server-1]

changed: [server-2]

PLAY RECAP \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

server-1 : ok=3 changed=2 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

server-2 : ok=3 changed=2 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

ubuntu@ip-172-31-15-168:~/playbooks$ ansible-playbook -v date\_play.yml

No config file found; using defaults

PLAY [Dates Playbook] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TASK [Gathering Facts] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [server-2]

ok: [server-1]

TASK [Show date] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [server-1] => {"changed": true, "cmd": ["date"], "delta": "0:00:00.004548", "end": "2025-03-28 04:27:12.992411", "msg": "", "rc": 0, "start": "2025-03-28 04:27:12.987863", "stderr": "", "stderr\_lines": [], "stdout": "Fri Mar 28 04:27:12 UTC 2025", "stdout\_lines": ["Fri Mar 28 04:27:12 UTC 2025"]}

changed: [server-2] => {"changed": true, "cmd": ["date"], "delta": "0:00:00.003871", "end": "2025-03-28 04:27:12.993421", "msg": "", "rc": 0, "start": "2025-03-28 04:27:12.989550", "stderr": "", "stderr\_lines": [], "stdout": "Fri Mar 28 04:27:12 UTC 2025", "stdout\_lines": ["Fri Mar 28 04:27:12 UTC 2025"]}

TASK [show date again] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [server-1] => {"changed": true, "cmd": ["date"], "delta": "0:00:00.003807", "end": "2025-03-28 04:27:13.312934", "msg": "", "rc": 0, "start": "2025-03-28 04:27:13.309127", "stderr": "", "stderr\_lines": [], "stdout": "Fri Mar 28 04:27:13 UTC 2025", "stdout\_lines": ["Fri Mar 28 04:27:13 UTC 2025"]}

changed: [server-2] => {"changed": true, "cmd": ["date"], "delta": "0:00:00.004316", "end": "2025-03-28 04:27:13.324982", "msg": "", "rc": 0, "start": "2025-03-28 04:27:13.320666", "stderr": "", "stderr\_lines": [], "stdout": "Fri Mar 28 04:27:13 UTC 2025", "stdout\_lines": ["Fri Mar 28 04:27:13 UTC 2025"]}

PLAY RECAP \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

server-1 : ok=3 changed=2 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

server-2 : ok=3 changed=2 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

ubuntu@ip-172-31-15-168:~/playbooks$ sudo vim date\_play.yml

ubuntu@ip-172-31-15-168:~/playbooks$ sudo vim date\_play.yml

ubuntu@ip-172-31-15-168:~/playbooks$ ansible-playbook -v date\_play.yml

No config file found; using defaults

PLAY [Dates Playbook] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TASK [Gathering Facts] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [server-1]

ok: [server-2]

TASK [Show date] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [server-1] => {"changed": true, "cmd": ["date"], "delta": "0:00:00.003751", "end": "2025-03-28 04:30:49.493282", "msg": "", "rc": 0, "start": "2025-03-28 04:30:49.489531", "stderr": "", "stderr\_lines": [], "stdout": "Fri Mar 28 04:30:49 UTC 2025", "stdout\_lines": ["Fri Mar 28 04:30:49 UTC 2025"]}

changed: [server-2] => {"changed": true, "cmd": ["date"], "delta": "0:00:00.002918", "end": "2025-03-28 04:30:49.510729", "msg": "", "rc": 0, "start": "2025-03-28 04:30:49.507811", "stderr": "", "stderr\_lines": [], "stdout": "Fri Mar 28 04:30:49 UTC 2025", "stdout\_lines": ["Fri Mar 28 04:30:49 UTC 2025"]}

TASK [show uptime] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [server-1] => {"changed": true, "cmd": ["uptime"], "delta": "0:00:00.006319", "end": "2025-03-28 04:30:49.833012", "msg": "", "rc": 0, "start": "2025-03-28 04:30:49.826693", "stderr": "", "stderr\_lines": [], "stdout": " 04:30:49 up 1:30, 1 user, load average: 0.00, 0.00, 0.00", "stdout\_lines": [" 04:30:49 up 1:30, 1 user, load average: 0.00, 0.00, 0.00"]}

changed: [server-2] => {"changed": true, "cmd": ["uptime"], "delta": "0:00:00.005470", "end": "2025-03-28 04:30:49.845930", "msg": "", "rc": 0, "start": "2025-03-28 04:30:49.840460", "stderr": "", "stderr\_lines": [], "stdout": " 04:30:49 up 1:30, 1 user, load average: 0.08, 0.02, 0.01", "stdout\_lines": [" 04:30:49 up 1:30, 1 user, load average: 0.08, 0.02, 0.01"]}

PLAY RECAP \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

server-1 : ok=3 changed=2 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

server-2 : ok=3 changed=2 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

ubuntu@ip-172-31-15-168:~/playbooks$ sudo vim install\_nginx\_play.yml

ubuntu@ip-172-31-15-168:~/playbooks$ cat install\_nginx\_play.yml

-

name: Install-nginx

hosts: server

become: yes

tasks:

- name: nginx

apt:

name: nginx

state: latest

ubuntu@ip-172-31-15-168:~/playbooks$ sudo vim install\_nginx\_play.yml

ubuntu@ip-172-31-15-168:~/playbooks$ ansible-playbook install\_nginx\_play.yml

PLAY [Install-nginx] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TASK [Gathering Facts] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [server-1]

ok: [server-2]

TASK [nginx] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [server-1]

changed: [server-2]

PLAY RECAP \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

server-1 : ok=2 changed=1 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

server-2 : ok=2 changed=1 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

ubuntu@ip-172-31-15-168:~/playbooks$ sudo vim install\_nginx\_play.yml

ubuntu@ip-172-31-15-168:~/playbooks$ ^C

ubuntu@ip-172-31-15-168:~/playbooks$ ansible-playbook install\_nginx\_play.yml

PLAY [Install-nginx] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TASK [Gathering Facts] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [server-2]

ok: [server-1]

TASK [nginx] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [server-1]

ok: [server-2]

TASK [start-ngninx] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [server-1]

ok: [server-2]

PLAY RECAP \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

server-1 : ok=3 changed=0 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

server-2 : ok=3 changed=0 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

ubuntu@ip-172-31-15-168:~/playbooks$ sudo vim deploy\_static\_page\_play.yml

ubuntu@ip-172-31-15-168:~/playbooks$ cat deploy\_static\_page\_play.yml

-

name: Install nginx and serve static website

hosts: prod

become: yes

tasks:

- name: instsll-nginx

apt:

name: nginx

state: latest

- name:

service:

name: start nginx

state: started

enabled: yes

- name: Deploy a web page

copy:

src: index.html

dest: /var/www/html

~

~

~

~

~

~

~

~

~

~

~

~

~

~

~

~

~

~

~

~

~

~

~

~

~

~

~

~

ubuntu@ip-172-31-15-168:~/playbooks$ ansible-playbook deploy\_static\_page\_play.yml 20,26

ERROR! We were unable to read either as JSON nor YAML, these are the errors we got from each:

JSON: Expecting value: line 1 column 1 (char 0)

Syntax Error while loading YAML.

could not find expected ':'

The error appears to be in '/home/ubuntu/playbooks/deploy\_static\_page\_play.yml': line 22, column 1, but may

be elsewhere in the file depending on the exact syntax problem.

The offending line appears to be:

~

~

^ here

ubuntu@ip-172-31-15-168:~/playbooks$ sudo vim deploy\_static\_page\_play.yml

ubuntu@ip-172-31-15-168:~/playbooks$ ansible-playbook deploy\_static\_page\_play.yml

ERROR! We were unable to read either as JSON nor YAML, these are the errors we got from each:

JSON: Expecting value: line 1 column 1 (char 0)

Syntax Error while loading YAML.

could not find expected ':'

The error appears to be in '/home/ubuntu/playbooks/deploy\_static\_page\_play.yml': line 20, column 1, but may

be elsewhere in the file depending on the exact syntax problem.

The offending line appears to be:

~

~

^ here

ubuntu@ip-172-31-15-168:~/playbooks$ sudo vim deploy\_static\_page\_play.yml

ubuntu@ip-172-31-15-168:~/playbooks$ ansible-playbook deploy\_static\_page\_play.yml

ERROR! We were unable to read either as JSON nor YAML, these are the errors we got from each:

JSON: Expecting value: line 1 column 1 (char 0)

Syntax Error while loading YAML.

could not find expected ':'

The error appears to be in '/home/ubuntu/playbooks/deploy\_static\_page\_play.yml': line 21, column 1, but may

be elsewhere in the file depending on the exact syntax problem.

The offending line appears to be:

~

~

^ here

ubuntu@ip-172-31-15-168:~/playbooks$ sudo vim deploy\_static\_page\_play.yml

ubuntu@ip-172-31-15-168:~/playbooks$ ansible-playbook deploy\_static\_page\_play.yml

ERROR! We were unable to read either as JSON nor YAML, these are the errors we got from each:

JSON: Expecting value: line 1 column 1 (char 0)

Syntax Error while loading YAML.

could not find expected ':'

The error appears to be in '/home/ubuntu/playbooks/deploy\_static\_page\_play.yml': line 20, column 1, but may

be elsewhere in the file depending on the exact syntax problem.

The offending line appears to be:

~

~

^ here

ubuntu@ip-172-31-15-168:~/playbooks$ sudo vim deploy\_static\_page\_plays.yml

ubuntu@ip-172-31-15-168:~/playbooks$ ansible-playbook deploy\_static\_page\_plays.yml

PLAY [Install nginx and serve static website] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TASK [Gathering Facts] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [server-3]

TASK [Install nginx] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [server-3]

TASK [Start nginx service] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [server-3]

TASK [Deploy a web page] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

changed: [server-3]

PLAY RECAP \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

server-3 : ok=4 changed=2 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

ubuntu@ip-172-31-15-168:~/playbooks$