

Ansible :

Create EC2 instance master1 and slave 2--→open in public key of master 1 install ansible --→

```
root@ip-172-31-4-220:~# cd /etc
```

```
root@ip-172-31-4-220:/etc# ls
```

ModemManager	dhcpcd.conf	libaudit.conf	overlayroot.local.conf	skel
PackageKit	dpkg	libblockdev	pam.conf	sos
X11	e2scrub.conf	libibverbs.d	pam.d	ssh
acpi	ec2_version	libnl-3	passwd	ssl
adduser.conf	environment	locale.alias	passwd-	subgid
alternatives	ethertypes	locale.conf	perl	subgid-
ansible	fstab	locale.gen	pki	subuid
apparmor	fuse.conf	localtime	plymouth	subuid-
apparmor.d	fwupd	logcheck	pm	sudo.conf
apport	gai.conf	login.defs	polkit-1	sudo_logsrvd.conf
apt	gnutls	logrotate.conf	pollinate	sudoers
bash.bashrc	groff	logrotate.d	ppp	sudoers.d
bash_completion	group	lsb-release	profile	supercat
bash_completion.d	group-	lvm	profile.d	sysctl.conf
bindresvport.blacklist	grub.d	machine-id	protocols	sysctl.d
binfmt.d	gshadow	magic	python3	sysstat
byobu	gshadow-	magic.mime	python3.12	systemd
ca-certificates	gss	manpath.config	rc0.d	terminfo
ca-certificates.conf	hdparm.conf	mdadm	rc1.d	timezone
chrony	hibagent-config.cfg	mime.types	rc2.d	tmpfiles.d
cloud	hibinit-config.cfg	mke2fs.conf	rc3.d	ubuntu-advantage
console-setup	host.conf	modprobe.d	rc4.d	ucf.conf
credstore	hostname	modules	rc5.d	udev

credstore.encrypted	hosts	modules-load.d	rc6.d	udisks2
cron.d	hosts.allow	mtab	rcS.d	ufw
cron.daily	hosts.deny	multipath	resolv.conf	update-manager
cron.hourly	init.d	multipath.conf	rmt	update-motd.d
cron.monthly	initramfs-tools	nanorc	rpc	update-notifier
cron.weekly	inputrc	needrestart	rsyslog.conf	
usb_modeswitch.conf				
cron.yearly	iproute2	netconfig	rsyslog.d	usb_modeswitch.d
crontab	iscsi	netplan	screenrc	vconsole.conf
cryptsetup-initramfs	issue	network	security	vim
crypttab	issue.net	networkd-dispatcher	selinux	vmware-tools
dbus-1	kernel	networks	sensors.d	vtrgb
debconf.conf	landscape	newt	sensors3.conf	wgetrc
debian_version	ld.so.cache	nftables.conf	services	xattr.conf
default	ld.so.conf	nsswitch.conf	sgml	xdg
deluser.conf	ld.so.conf.d	opt	shadow	xml
depmod.d	ldap	os-release	shadow-	
zsh_command_not_found				
dhcp	legal	overlayroot.conf	shells	

in these no ansible means

```
root@ip-172-31-4-220:/etc# cd ..
```

```
root@ip-172-31-4-220:/# vi slave.txt
```

```

root@ip-172-31-4-220:~# vi slave.txt
root@ip-172-31-4-220:~# [New] 2L, 28B written
root@ip-172-31-4-220:~# ls -l
total 40
-rwxr-xr-x 1 root root 2445 Oct 22 07:38 ansible.sh
-rw-r--r-- 1 root root 5132 Oct 22 10:41 configure
-rw-r--r-- 1 root root 170 Oct 22 08:07 hosts.ini
-rw-r--r-- 1 root root 28 Oct 22 10:36 inv
-rw-r--r-- 1 root root 172 Oct 22 09:59 inventory
-rw-r--r-- 1 root root 1675 Oct 22 09:16 master
-r----- 1 root root 1675 Oct 22 07:57 master.pem
-rw-r--r-- 1 root root 28 Oct 22 11:21 slave.txt
drwx----- 3 root root 4096 Oct 22 07:00 snap
root@ip-172-31-4-220:~# pwd
/root
root@ip-172-31-4-220:~# cat slave.txt
172.31.14.208
172.31.15.245

```

```

root@ip-172-31-4-220:~# vi ansible.cfg
[New] 132L, 5132B written
root@ip-172-31-4-220:~# ansible --version
ansible [core 2.18.10]
  config file = /root/ansible.cfg
  configured module search path = ['/root/.ansible/plugins/modules', '/usr/share/ansible/plugins/modules']
  ansible python module location = /usr/lib/python3/dist-packages/ansible
  ansible collection location = /root/.ansible/collections:/usr/share/ansible/collections
  executable location = /usr/bin/ansible
  python version = 3.12.3 (main, Aug 14 2025, 17:47:21) [GCC 13.3.0] (/usr/bin/python3)
  jinja version = 3.1.2
  libyaml = True
root@ip-172-31-4-220:~# ansible all -i slave.txt -m ping
172.31.15.245: UNREACHABLE!

```

```

root@ip-172-31-4-220:~# cat slave.txt
[slaves]
172.31.15.245 ansible_user=ubuntu ansible_ssh_private_key_file=/root/masterkey.pem
172.31.14.208 ansible_user=ubuntu ansible_ssh_private_key_file=/root/masterkey.pem

root@ip-172-31-4-220:~# ls -l /root/slave.txt
-rw-r--r-- 1 root root 170 Oct 22 12:03 /root/slave.txt
root@ip-172-31-4-220:~# chmod 644 /root/slave.txt
root@ip-172-31-4-220:~# ansible-inventory -i /root/slave.txt --list
{
  "_meta": {
    "hostvars": {
      "172.31.14.208": {
        "ansible_ssh_private_key_file": "/root/masterkey.pem",
        "ansible_user": "ubuntu"
      },
      "172.31.15.245": {
        "ansible_ssh_private_key_file": "/root/masterkey.pem",
        "ansible_user": "ubuntu"
      }
    }
  },
  "all": {
    "children": [

```

In these change masterkey instead of master

```
root@ip-172-31-4-220:~# ansible-playbook -i inventory.yml playbook.yml
[WARNING]: Platform linux on host 172.31.15.245 is using the discovered Python interpreter at /usr/bin/python3.12, but future installation of another Python interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-core/2.18/reference_appendices/interpreter_discovery.html for more information.
[WARNING]: Platform linux on host 172.31.14.208 is using the discovered Python interpreter at /usr/bin/python3.12, but future installation of another Python interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-core/2.18/reference_appendices/interpreter_discovery.html for more information.
172.31.14.208 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3.12"
  },
  "changed": false,
  "ping": "pong"
}
172.31.15.245 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3.12"
  },
  "changed": false,
  "ping": "pong"
}
root@ip-172-31-4-220:~#
```

```
root@ip-172-31-4-220:~# ansible all -i slave.txt -a "date"
172.31.14.208 | CHANGED | rc=0 >>
Wed Oct 22 12:06:51 UTC 2025
172.31.15.245 | CHANGED | rc=0 >>
Wed Oct 22 12:06:51 UTC 2025
```

```
root@ip-172-31-4-220:~# ansible all -i slave.txt -a "df -h"
172.31.14.208 | CHANGED | rc=0 >>
Filesystem      Size  Used Avail Use% Mounted on
/dev/root        6.8G  1.9G  4.9G  28% /
tmpfs            458M   0  458M   0% /dev/shm
tmpfs            183M  872K  182M   1% /run
tmpfs            5.0M   0   5.0M   0% /run/lock
efivarfs         128K   3.8K  120K   4% /sys/firmware/efi/efivars
/dev/nvme0n1p16  881M   87M  733M  11% /boot
/dev/nvme0n1p15  105M   6.2M   99M   6% /boot/efi
tmpfs            92M   12K   92M   1% /run/user/1000
172.31.15.245 | CHANGED | rc=0 >>
Filesystem      Size  Used Avail Use% Mounted on
/dev/root        6.8G  1.9G  4.9G  28% /
tmpfs            458M   0  458M   0% /dev/shm
tmpfs            183M  872K  182M   1% /run
tmpfs            5.0M   0   5.0M   0% /run/lock
efivarfs         128K   3.8K  120K   4% /sys/firmware/efi/efivars
/dev/nvme0n1p16  881M   87M  733M  11% /boot
/dev/nvme0n1p15  105M   6.2M   99M   6% /boot/efi
tmpfs            92M   12K   92M   1% /run/user/1000
```