

Q-1 What is the command to create a file without using the 'file'

Module?

Ans.

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

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

*** System restart required ***
Last login: Mon Apr  3 16:59:36 2023 from 18.206.107.29
ubuntu@ip-172-31-90-21:~$ cd .ssh
ubuntu@ip-172-31-90-21:~/.ssh$ cat id_rsa.pub
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQGCzOwlnNbVKEwPMcVfd+d/2angqTc5gB0cElWhekMRRJDW2WvvunzqF4GGAYVeJEvzKvaoXqUdvYUwZRjhybt4PE/8bi7G8pGTEKCB6PcRMWdvMXoWNka9Zy
gjca6Vz8jSQEhmpuCKlxLO/AvPl/WbAK1uPMo6/9mfXH29spcB3e7/mP0HGGeJnJ9fs6f3KL+AiXwduzz14f6c/+gTpn/Um3kxuaVF1U+YKmdZPZ0L59/XLS1U1Z1WQHxBL6TeM/Oh/OliaNMcM5I+blSMkqRb
u+oa0Cia9W0+W5/RFzn0WkxQuvQCP+XT8HXJftWJY6L90yVdzg5lw5y6f17d4xSxyMC+qkoXjcKwvAFm5JZdHX2aJoM2bmReovfF8/iMHniVXHkGXfaG5NXP5C8PWK+oMMB5w12V7c84nworcnaDjfjpat2sk0
+8zRkHaqwiuAnBM25Bz9jLZLT3waZuhlVgIOLrQvsXRckoLBkCans9iqeq00+JU+1K8rFHIWeCGrE= ubuntu@ip-172-31-90-21
ubuntu@ip-172-31-90-21:~/.ssh$ sudo nano /etc/ansible/hosts
ubuntu@ip-172-31-90-21:~/.ssh$ ansible -m ping all
host-name2 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3"
  },
  "changed": false,
  "ping": "pong"
}
host-name1 | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3"
  },
  "changed": false,
  "ping": "pong"
}
ubuntu@ip-172-31-90-21:~/.ssh$
```

```
ubuntu@ip-172-31-90-21:~/.ssh$ ansible all -a "touch ansible.txt"
host-name1 | CHANGED | rc=0 >>

host-name2 | CHANGED | rc=0 >>

ubuntu@ip-172-31-90-21:~/.ssh$
```

```
Last login: Mon Apr  3 17:34:14 2023 from 54.236.210.67
ubuntu@ip-172-31-83-244:~$ sudo nano .ssh/authorized_keys
ubuntu@ip-172-31-83-244:~$ ls
ansible.txt
ubuntu@ip-172-31-83-244:~$
```

```
Last login: Mon Apr  3 17:35:06 2023 from 54.236.210.67
ubuntu@ip-172-31-87-6:~$ sudo nano .ssh/authorized_keys
ubuntu@ip-172-31-87-6:~$ ls
ansible.txt
ubuntu@ip-172-31-87-6:~$
```

Q-2 What is the command to create a directory using the 'file' module?

Ans.

```
ubuntu@ip-172-31-90-21:~/.ssh$ ansible all -a "touch ansible.txt"
host-name1 | CHANGED | rc=0 >>

host-name2 | CHANGED | rc=0 >>

ubuntu@ip-172-31-90-21:~/.ssh$ touch ansible.yml
ubuntu@ip-172-31-90-21:~/.ssh$ nano ansible.yml
ubuntu@ip-172-31-90-21:~/.ssh$ ansible-playbook ansible.yml --syntax-check

playbook: ansible.yml
ubuntu@ip-172-31-90-21:~/.ssh$
```

```
playbook: ansible.yml
ubuntu@ip-172-31-90-21:~/.ssh$ ansible-playbook ansible.yml --check

PLAY [play 1] *****

TASK [Gathering Facts] *****
ok: [host-name2]
ok: [host-name1]

TASK [create a directory] *****
changed: [host-name1]
changed: [host-name2]

PLAY RECAP *****
host-name1      : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
host-name2      : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0

ubuntu@ip-172-31-90-21:~/.ssh$
```



```
ubuntu@ip-172-31-90-21:~/.ssh$ ansible-playbook ansible.yml

PLAY [play 1] *****

TASK [Gathering Facts] *****
ok: [host-name1]
ok: [host-name2]

TASK [create a directory] *****
changed: [host-name1]
changed: [host-name2]

PLAY RECAP *****
host-name1      : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
host-name2      : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0

ubuntu@ip-172-31-90-21:~/.ssh$
```

Q-3 Install nginx server on hosts and replace existing home page with another simple web page. See if you can access it.

Ans.

GNU nano 6.2

```
- hosts: all
  become: yes
  name: play 1
  tasks:
    - name: install nginx
      apt:
        name: nginx
        state: latest
    - name: replace html
      script: nginx.sh
```

```
ubuntu@ip-172-31-90-21:~/.ssh$ ansible-playbook install nginx.yml
```

GNU nano 6.2

```
#!/bin/bash
tee /var/www/html/index.nginx-debian.html << EOF
<html>
    <head>
        <title>Introduction</title>
    </head>
    <body>
        <h1>Hitesh Kumar Yadav</h1>
    </body>
</html>
EOF
```

```
PLAY [play 1] *****
TASK [Gathering Facts] *****
ok: [host-name-1]
ok: [host-name-2]

TASK [install nginx] *****
ok: [host-name-1]
ok: [host-name-2]

TASK [replace html] *****
changed: [host-name-1]
changed: [host-name-2]

PLAY RECAP *****
host-name-1      : ok=3    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
host-name-2      : ok=3    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
```

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