

Ansible Homework

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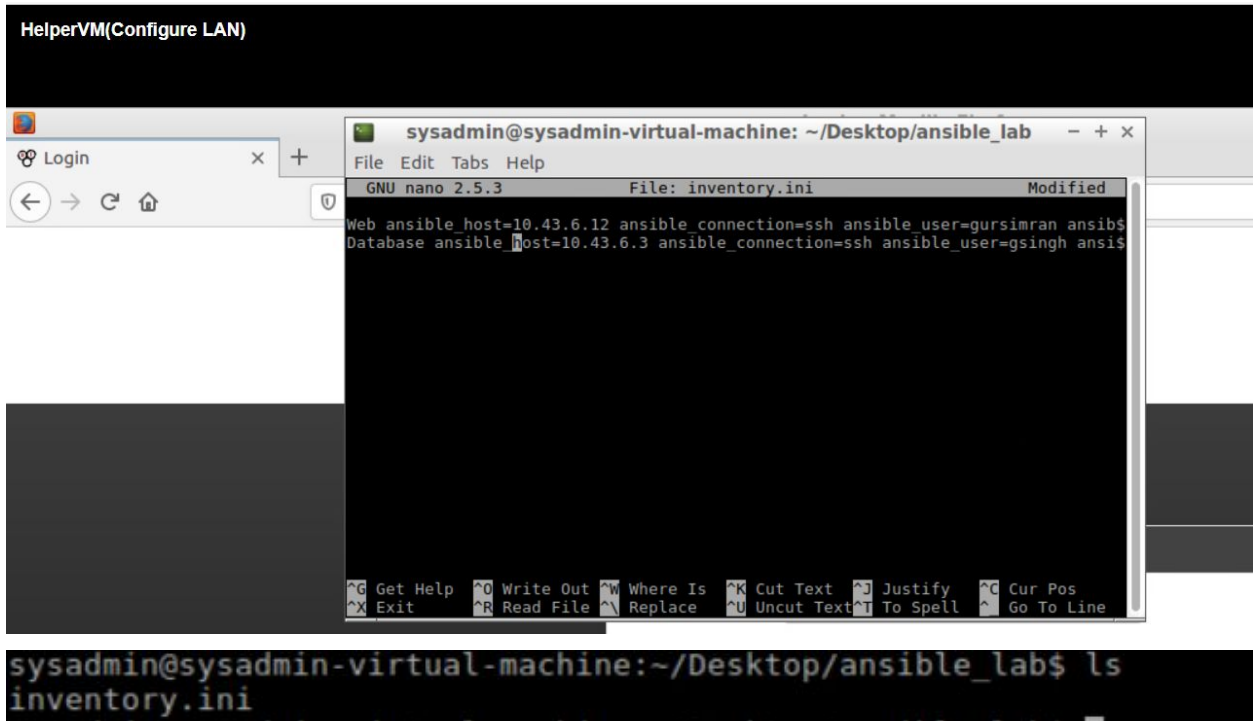
Task 1

The screenshot shows a terminal window titled "sysadmin@sysadmin-virtual-machine: ~". The terminal output displays the installation of various Python packages using pip, including python-yaml, python-crypto, python-ecdsa, python-paramiko, python-httplib2, python-setuptools, sshpass, python-cffi-backend, python-enum34, python-idna, python-ipaddress, python-pyasn1, and python-cryptography. After the installations, the user runs the command "ansible --version", which outputs the following information:

```
ansible 2.9.6
  config file = /etc/ansible/ansible.cfg
  configured module search path = [u'/home/sysadmin/.ansible/plugins/modules', u'/usr/share/ansible/plugins/modules']
  ansible python module location = /usr/lib/python2.7/dist-packages/ansible
  executable location = /usr/bin/ansible
  python version = 2.7.12 (default, Oct 8 2019, 14:14:10) [GCC 5.4.0 20160609]
```

Below the terminal window, there is a "Password" field with the placeholder text "Enter your password".

Task 2



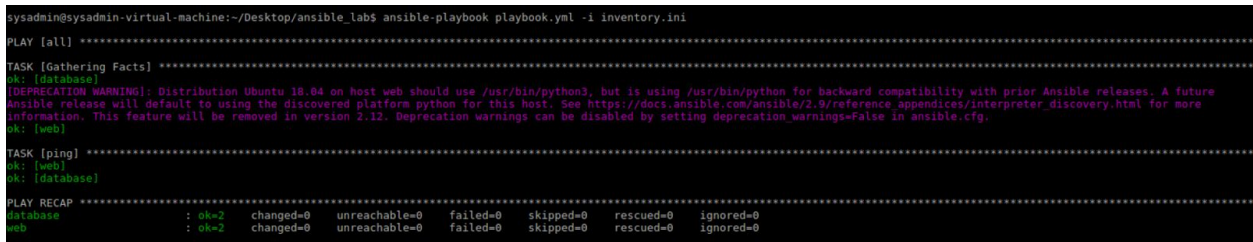
The screenshot shows a terminal window titled "HelperVM(Configured LAN)" and a nano editor window titled "sysadmin@sysadmin-virtual-machine: ~/Desktop/ansible_lab". The nano editor is editing the file "inventory.ini". The content of the file is as follows:

```
Web ansible_host=10.43.6.12 ansible_connection=ssh ansible_user=gursimran ansib$
Database ansible_host=10.43.6.3 ansible_connection=ssh ansible_user=gsingh ansi$
```

Below the nano editor, the terminal shows the command to list the contents of the inventory file:

```
sysadmin@sysadmin-virtual-machine:~/Desktop/ansible_lab$ ls
inventory.ini
```

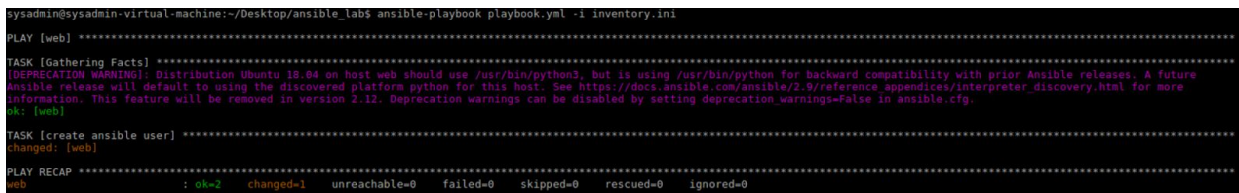
Task 3



The screenshot shows a terminal window titled "sysadmin@sysadmin-virtual-machine:~/Desktop/ansible_lab\$". The command executed is "ansible-playbook playbook.yml -i inventory.ini". The output shows the following tasks:

```
PLAY [all]
TASK [Gathering Facts]
ok: [database]
ok: [web]
TASK [ping]
ok: [web]
ok: [database]
PLAY RECAP
database : ok=2 changed=0 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0
web : ok=2 changed=0 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0
```

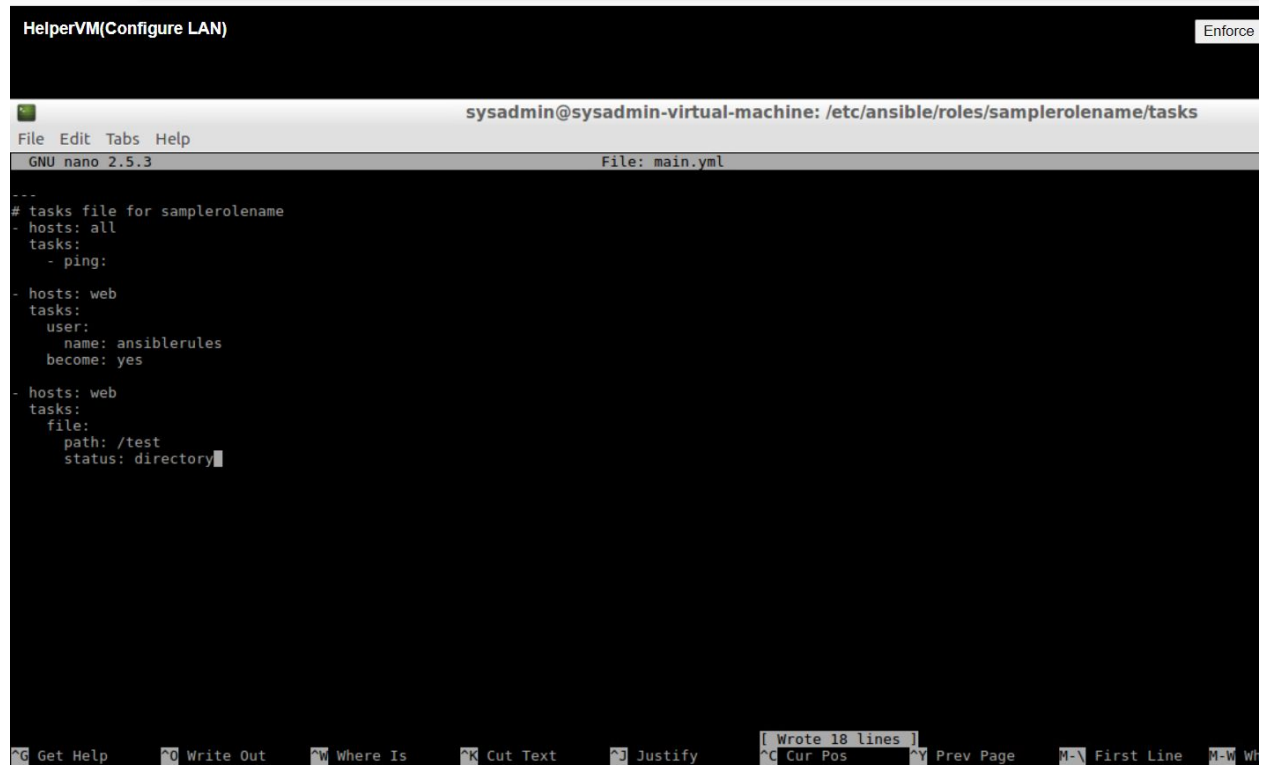
Task 4



The screenshot shows a terminal window titled "sysadmin@sysadmin-virtual-machine:~/Desktop/ansible_lab\$". The command executed is "ansible-playbook playbook.yml -i inventory.ini". The output shows the following tasks:

```
PLAY [web]
TASK [Gathering Facts]
ok: [web]
ok: [database]
TASK [create ansible user]
changed: [web]
PLAY RECAP
web : ok=2 changed=1 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0
```

Task 5

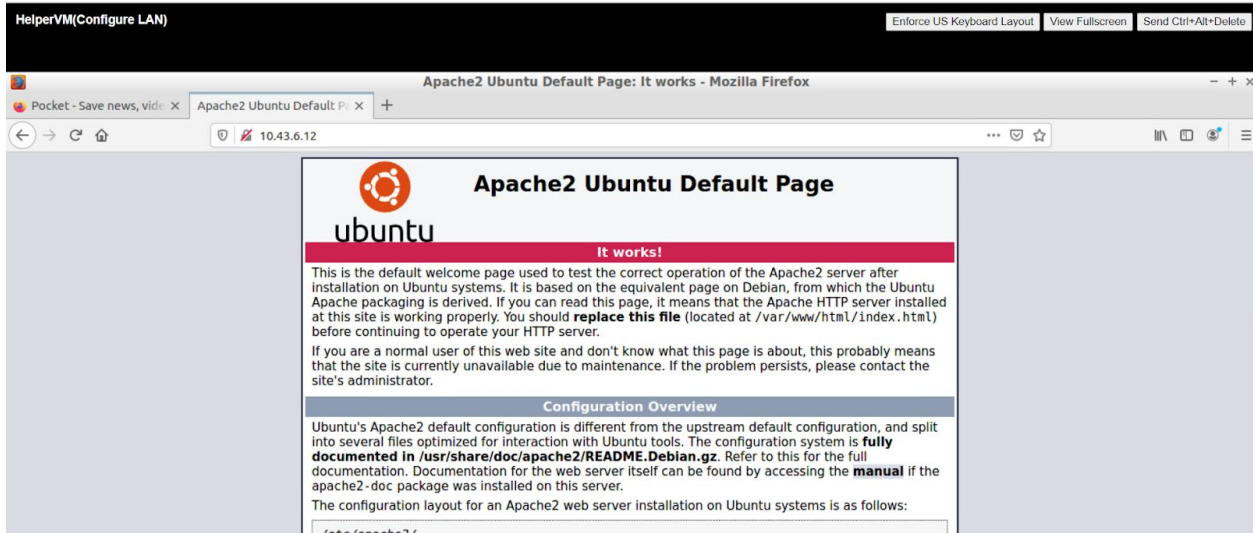


The screenshot shows a terminal window titled "HelperVM(Configure LAN)" with an "Enforce" button in the top right corner. The terminal prompt is "sysadmin@sysadmin-virtual-machine: /etc/ansible/roles/samplerolename/tasks". The nano editor is open, editing "main.yml". The file content is as follows:

```
---
# tasks file for samplerolename
- hosts: all
  tasks:
    - ping:
- hosts: web
  tasks:
    user:
      name: ansible.rules
      become: yes
- hosts: web
  tasks:
    file:
      path: /test
      status: directory
```

The nano editor's status bar at the bottom shows "GNU nano 2.5.3" and "File: main.yml". The bottom status bar includes various icons and text: "Get Help", "Write Out", "Where Is", "Cut Text", "Justify", "[Wrote 18 lines]", "Cur Pos", "Prev Page", "First Line", and "Wh".

Task 6



Task 7

```
TASK [geerlingguy.mysql : Ensure MySQL users are present.] *****
skipping: [database]

TASK [geerlingguy.mysql : include_tasks] *****
included: /home/sysadmin/.ansible/roles/geerlingguy.mysql/tasks/replication.yml
for database

TASK [geerlingguy.mysql : Ensure replication user exists on master.] *****
skipping: [database]

TASK [geerlingguy.mysql : Check slave replication status.] *****
skipping: [database]

TASK [geerlingguy.mysql : Check master replication status.] *****
skipping: [database]

TASK [geerlingguy.mysql : Configure replication on the slave.] *****
skipping: [database]

TASK [geerlingguy.mysql : Start replication.] *****
skipping: [database]

RUNNING HANDLER [geerlingguy.mysql : restart mysql] *****
[WARNING]: Ignoring "sleep" as it is not used in "systemd"
changed: [database]

PLAY RECAP *****
database                : ok=32   changed=6   unreachable=0   failed=0   s
kipped=19   rescued=0   ignored=0
```

