

QUESTION 4

4. Ansible

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- a. Create an Ansible inventory file and define two groups of hosts

The candidate should create an inventory file with two host groups: webservers (web1.abc.com, web2.abc.com) and dbservers (db1.abc.com, db2.abc.com). Add a variable **http_port** with value **8080** to the webservers group in the inventory file.

SOLUTION:

1. Created hosts file to define groups of remote machines and their connection details for Ansible to manage.

```
kaushal@master-vm:~/ansible-inventory-demo$ cat hosts
[webservers]
web1.abc.com ansible_host=192.168.153.131
web2.abc.com ansible_host=192.168.153.133

[webservers:vars]
http_port=8080

[dbservers]
db1.abc.com ansible_host=192.168.153.131
db2.abc.com ansible_host=192.168.153.128
kaushal@master-vm:~/ansible-inventory-demo$
```

2. The output shows that the playbook ran successfully, performed the intended tasks, and made changes on the target machines.

```
kaushal@master-vm:~/ansible-inventory-demo$ ansible -i hosts all -m ping --ask-pass
SSH password:
db1.abc.com | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3"
  },
  "changed": false,
  "ping": "pong"
}
web1.abc.com | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3"
  },
  "changed": false,
  "ping": "pong"
}
web2.abc.com | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3"
  },
  "changed": false,
  "ping": "pong"
}
db2.abc.com | SUCCESS => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python3"
  },
  "changed": false,
  "ping": "pong"
}
```

FILES CREATED :

```
[webservers]
web1.abc.com ansible_host=192.168.153.131
web2.abc.com ansible_host=192.168.153.133
```

```
[webservers:vars]
http_port=8080
```

```
[dbservers]
db1.abc.com ansible_host=192.168.153.131
db2.abc.com ansible_host=192.168.153.128
```