System Provisioning and Configuration Management Lab

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EXPERIMENT 4

Lab Exercise: Executing Ansible Modules

Objective: To demonstrate the use of the Ansible module for server configuration and management

Tools required: Linux terminal

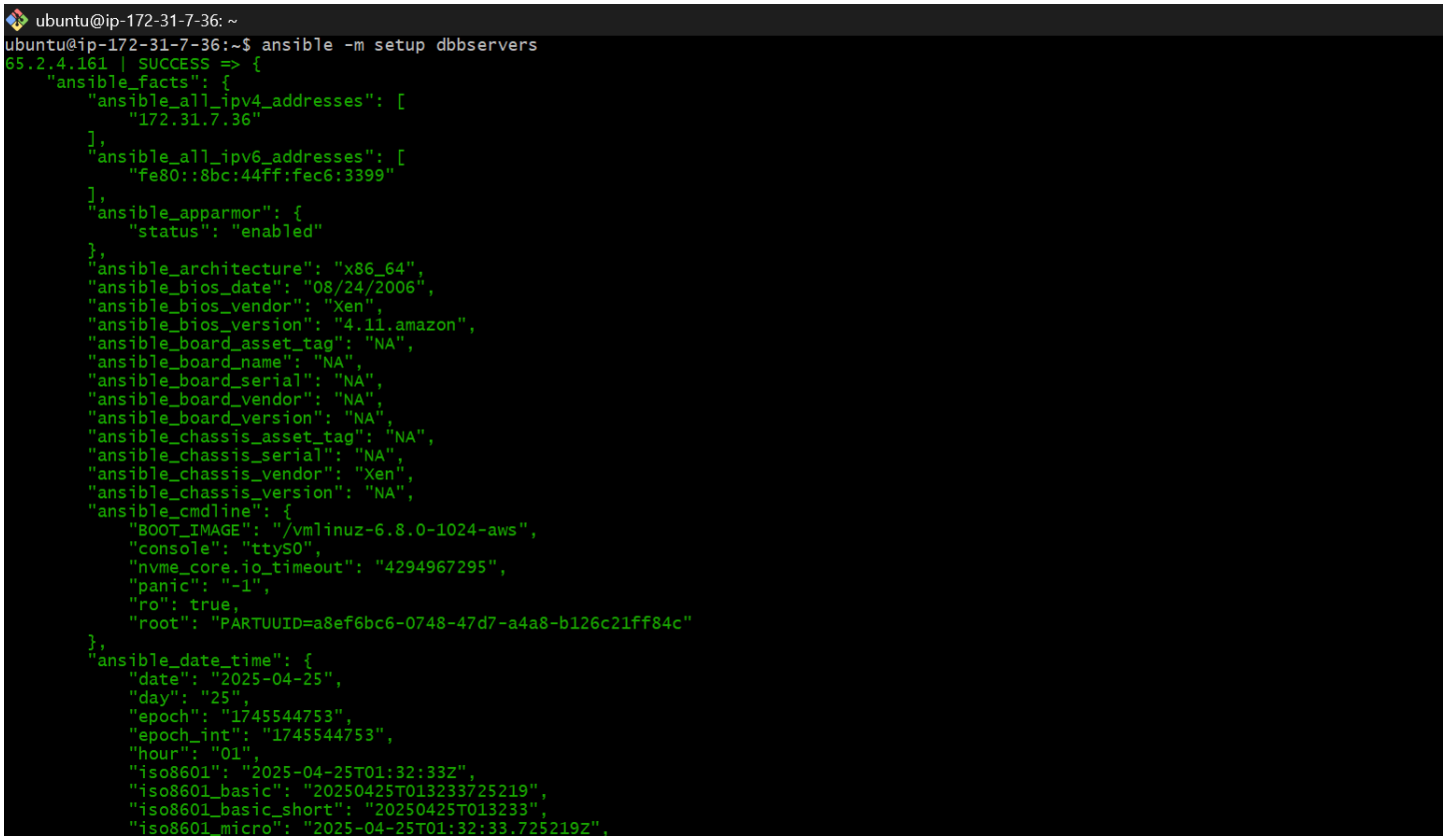
Prerequisites: None

Steps to be followed:

1. Use Ansible modules for server configuration

Step 1: Use Ansible modules for server configuration

1.1 Run the following command using the **setup** module to collect and display detailed system information about the servers: **ansible -m setup dbbservers**



1.2 Run the following command using the **shell** module to retrieve server hostnames:
ansible dbbservers -m shell -a 'hostname'

```
ubuntu@ip-172-31-7-36:~$ ansible dbbservers -m shell -a 'hostname'
65.2.4.161 | CHANGED | rc=0 >>
ip-172-31-7-36
172.31.7.36 | CHANGED | rc=0 >>
ip-172-31-7-36
localhost | CHANGED | rc=0 >>
ip-172-31-7-36
ubuntu@ip-172-31-7-36:~$
```

1.3 Run the following command using the **apt** module to install Git on servers:
ansible dbbservers -m apt -a 'name=git state=present update_cache=true' --become

```
ubuntu@ip-172-31-7-36:~$ ansible dbbservers -m apt -a 'name=git state=present update_cache=true' --become
localhost | SUCCESS => {
    "ansible_facts": {
        "discovered_interpreter_python": "/usr/bin/python3"
    },
    "cache_update_time": 1745545101,
    "cache_updated": true,
    "changed": false
}
65.2.4.161 | SUCCESS => {
    "ansible_facts": {
        "discovered_interpreter_python": "/usr/bin/python3"
    },
    "cache_update_time": 1745545103,
    "cache_updated": true,
    "changed": false
}
172.31.7.36 | SUCCESS => {
    "ansible_facts": {
        "discovered_interpreter_python": "/usr/bin/python3"
    },
    "cache_update_time": 1745545105,
    "cache_updated": true,
    "changed": false
}
ubuntu@ip-172-31-7-36:~$
```