

System Provisioning and Configuration Management Lab

<u>Submitted to:</u>

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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**

```
whurtub@p-172-31-7-36-≤
bubntub@p-172-31-7-36-≤
siz.4.161 | SUCCESS =>

"ansible_facts";
    "ansible_all_!pv4_addresses";
    "#72.31.7.38-
],
    "ansible_all_!pv4_addresses";
    ""f80:.8bc:44ff:fsc8:3399"
    "ansible_anpanor";
    "status"; "enabled"
},
    "ansible_point_andresses";
    "ansible_bos_date"; "08/24/2006",
    "ansible_bos_date"; "08/24/2006",
    "ansible_bos_date"; "08/24/2006",
    "ansible_bos_date"; "08/24/2006",
    "ansible_bos_essect_age"; "NA",
    "ansible_boar_dessect_age"; "NA",
    "ansible_boar_dessect_age"; "NA",
    "ansible_boar_dession"; "NA",
    "ansible_boar_dession"; "NA",
    "ansible_boar_dession"; "NA",
    "ansible_boar_dession"; "NA",
    "ansible_chassis_assect_age"; "NA",
    "ansible_chassis_assect_a
```

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
}
72.31.7.36 | SUCCESS => {
        "ansible_facts": {
            "discovered_interpreter_python": "/usr/bin/python3"
        },
        "cache_updated": true,
        "discovered_interpreter_python": "/usr/bin/python3"
        },
        "cache_updated": true,
        "changed": false
}
ubuntu@ip-172-31-7-36:~$
```