Lab Exercise 04 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. Run the following command using the setup module to collect and display detailed system information about the servers:

ansible -m setup dbservers

2. Run the following command using the shell module to retrieve server hostnames: ansible dbservers -m shell -a 'hostname'

```
[do@ip-172-31-8-236 ~]$ ansible dbservers -m shell -a 'hostname'
[WARNING]: Platform linux on host 172.31.5.230 is using the discovered Python interpreter
https://docs.ansible.com/ansible/2.9/reference_appendices/interpreter_discovery.html for
172.31.5.230 | CHANGED | rc=0 >>
ip-172-31-5-230.ap-south-1.compute.internal
[WARNING]: Platform linux on host 172.31.6.104 is using the discovered Python interpreter
https://docs.ansible.com/ansible/2.9/reference_appendices/interpreter_discovery.html for
172.31.6.104 | CHANGED | rc=0 >>
ip-172-31-6-104.ap-south_1.compute.internal
```

3. Run the following command using the apt module to install Git on servers: ansible dbservers -m yum -a 'name=git state=present' - -become

```
[do@ip-172-31-8-236 ~]$ ansible dbservers -m yum -a 'name=git state=present' --become
[WARNING]: Platform linux on host 172.31.5.230 is using the discovered Python interpreter at /usr/bin/p
  https://docs.ansible.com/ansible/2.9/reference_appendices/interpreter_discovery.html for more informati
     72.31.5.230 | CHANGED => {
    "ansible_facts": {
      "discovered_interpreter_python": "/usr/bin/python"
                           changed": true,
                       "changes": {
    "installed": [
                                                                  "git'
                       "msg": "",
"rc": 0,
"results": [
"Loaded plugins: extras_suggestions, langpacks, priorities, update-motd\nResolving Dependencies
"Loaded plugins Dependency: git-core = 2.47.1-1.amzn2.0.2 for package: git-2.47.1-1.amzn2.0.2 for package: git-2.47.1-1.amzn2.0.2
 "Loaded plugins: extras_suggestions, languacks, priorities, update-motd\nkesolving Dependencies nstalled\n--> Processing Dependency: git-core = 2.47.1-1.amzn2.0.2 for package: git-2.47.1-1.amzn2.0.2.
.47.1-1.amzn2.0.2.x86_64\n--> Processing Dependency: perl-Git = 2.47.1-1.amzn2.0.2 for package: git-2.47.1-1.amzn2.0.2.x8
amzn2.0.2.x86_64\n--> Processing Dependency: perl(Term::ReadKey) for package: git-2.47.1-1.amzn2.0.2.x8
will be installed\n---> Package git-core-doc.noarch 0:2.47.1-1.amzn2.0.2 will be installed\n---> Packag
rl(Error) for package: perl-Git-2.47.1-1.amzn2.0.2.noarch\n---> Package perl-TermReadKey.x86_64 0:2.30-
noarch 1:0.17020-2.amzn2 will be installed\n---> Finished Dependency Resolution\n\nDependencies Resolved
                                    amzn2.0.2
   | Amgn2.0.2 | Amgn
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  3/6 \n Insta
                                                                                                                                                                                                                                                                                                                                                      5/6 \n Installing : git-2.47.1-1.amzn2
     6/6 \n\nInstalled:\n git.x86 64 0:
     d:\n git-core.x86_64 0:2.47.1-1.amzn2.0.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           \n git-core
    0.17020-2.amzn2
                                                                                                                                                                                                                                                                                                                             \n perl-Git.noarch 0:2.47.1-1.amzn2.0.2
                                                                                                                                                                               \n\nComplete!\n"
```