Lab Exercise 04 Executing

Ansible Modules

By: Dhruv Jain

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
   172.31.5.230 | CHANGED => {
    "ansible_facts": {
                                         "discovered_interpreter_python": "/usr/bin/python"
                 },
"changed": true,
"changes": {
    "installed": [
                                                             "git'
                          msg": "",
                       msg : ,
'rc": 0,
'results": [
"Tesults": [

"Loaded plugins: extras_suggestions, langpacks, priorities, update-motd\nResolving 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-2.4 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---> Package 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
                                                                                                                                                            Version
                                                                                                                                                                                                                                                                                      Repository
                                                                                                                                                                                                                                                                                                                                                                         Size\n=
                                                                                                                                                                                                                                                                                                 57 k\nInstalling for dependencies:\n git-
                                  x86 64
                                                                                      2.47.1-1.amzn2.0.2
                                                                                                                                                                                                                         amzn2-core
                                                                                            2.47.1-1.amzn2.0.2
  | Noarch | 2.47.1-1.amzn2.0.2 | amzn2-core | 3.2 M\n perl-Error | noarch | 1 | noarch | 1 | noarch | 2.47.1-1.amzn2.0.2 | amzn2.0.2 | amzn2.0 | amzn2.0.2 | amzn2.0 | amzn
                                                                                                                                                                                                                                 amzn2-core
   \n\nComplete!\n"
```