Lab Exercise 04

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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'

```
[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

```
[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": "",
    "rc": 0,
    "results": [
        "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--> 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
Package              Arch         Version                      Repository         Size\n========================
    x86_64      2.47.1-1.amzn2.0.2           amzn2-core       57 k\nInstalling for dependencies:\n git-co
      noarch      2.47.1-1.amzn2.0.2           amzn2-core       3.2 M\n perl-Error           noarch        1:
.amzn2.0.2         amzn2-core       44 k\n perl-TermReadKey     x86_64      2.30-20.amzn2.0.2           amzn
==================================\nInstall  1 Package (+5 Dependent packages)\n\nTotal download size:
--------------------------------------\nTotal                                                        47 MB
on test succeeded\nRunning transaction\n  Installing : git-core-2.47.1-1.amzn2.0.2.x86_64
        2/6 \n  Installing : 1:perl-Error-0.17020-2.amzn2.noarch                      3/6 \n  Insta
 : perl-Git-2.47.1-1.amzn2.0.2.noarch                        5/6 \n  Installing : git-2.47.1-1.amzn2
0.amzn2.0.2.x86_64                       1/6 \n  Verifying  : perl-Git-2.47.1-1.amzn2.0.2.noarch
        3/6 \n  Verifying  : 1:perl-Error-0.17020-2.amzn2.noarch                      4/6 \n  V
ing  : git-core-2.47.1-1.amzn2.0.2.x86_64                       6/6 \n\nInstalled:\n  git.x86_64 0:
ed:\n  git-core.x86_64 0:2.47.1-1.amzn2.0.2                                    \n  git-core-doc.n
:0.17020-2.amzn2                                       \n  perl-Git.noarch 0:2.47.1-1.amzn2.0.2
                            \n\nComplete!\n"
    ]
}
```