SCHOOL OF COMPUTER SCIENCE

SPCM LAB FILE

ANSIBLE LAB

Submitted by

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Lab Exercise 04

Executing Ansible Modules

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

Tools required: Linux terminal

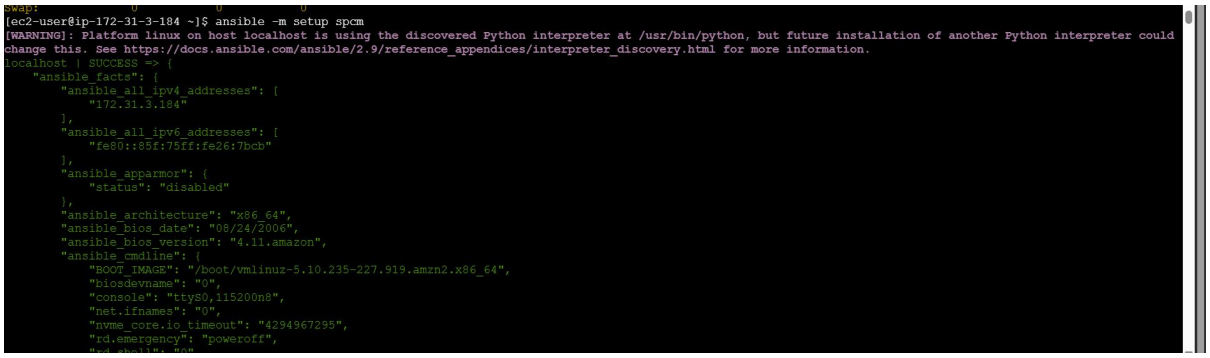
Prerequisites: None

Steps to be followed:

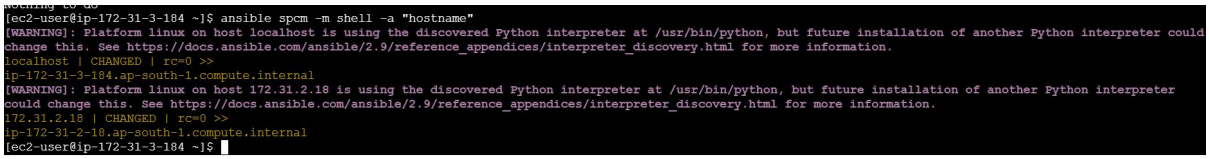
1. Use Ansible modules for server configuration

Step 1: Use Ansible modules for server configuration

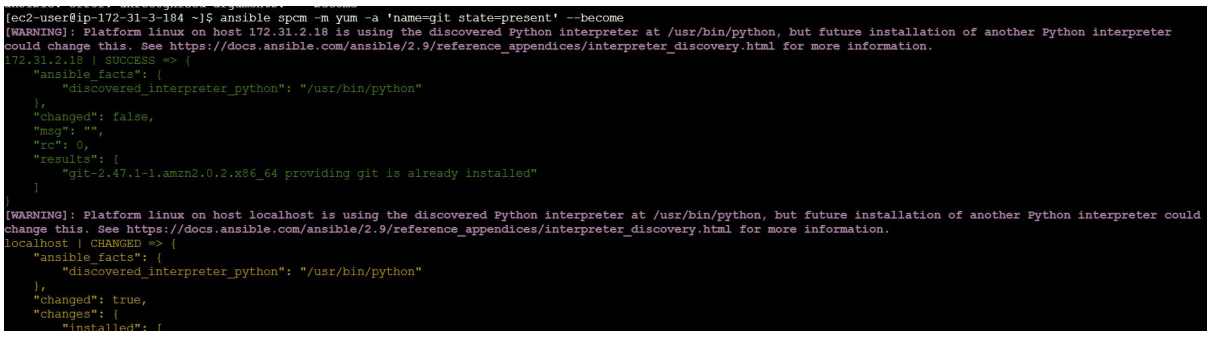
1.1 Run the following command using the **setup** module to collect and display detailed system information about the servers:
ansible -m setup spcm



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



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



```
1-1.amzn2.0.2 will be installed\n--> Processing Dependency: git-core = 2.47.1-1.amzn2.0.2 for package: git-2.47.1-1.amzn2.0.2.x86_64\n--> Processing Dependency: git-
re-doc = 2.47.1-1.amzn2.0.2 for package: git-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.
6_64\n--> Processing Dependency: perl(Git) for package: git-2.47.1-1.amzn2.0.2.x86_64\n--> Processing Dependency: perl(Term::ReadKey) for package: git-2.47.1-1.amzn2.
.2.x86_64\n--> Running transaction check\n---> Package git-core.x86_64 0:2.47.1-1.amzn2.0.2 Will be installed\n---> Package git-core-doc.noarch 0:2.47.1-1.amzn2.0.2 W
ll be installed\n---> Package perl-Git.noarch 0:2.47.1-1.amzn2.0.2 will be installed\n--> Processing Dependency: perl(Error) for package: perl-Git-2.47.1-1.amzn2.0.2
oarch\n---> Package perl-TermReadKey.x86_64 0:2.30-20.amzn2.0.2 will be installed\n--> Running transaction check\n---> Package perl-Error.noarch 1:0.17020-2.amzn2 wi
 be installed\n--> Finished Dependency Resolution\n\nDependencies Resolved\n\n================================================================================\n Packa
e            Arch       Version                    Repository      Size\n================================================================================\nInstalling
\n git                x86_64     2.47.1-1.amzn2.0.2         amzn2-core      57 k\nInstalling for dependencies:\n git-core            x86_64     2.47.1-1.amzn2.0.2
     amzn2-core       11 M\n git-core-doc         noarch     2.47.1-1.amzn2.0.2         amzn2-core     3.2 M\n perl-Error          noarch     1:0.17020-2.amzn2
amzn2-core       32 k\n perl-Git             noarch     2.47.1-1.amzn2.0.2         amzn2-core      44 k\n perl-TermReadKey     x86_64     2.30-20.amzn2.0.2          amz
-core      31 k\n\nTransaction Summary\n================================================================================\nInstall  1 Package (+5 Dependent packages)\n
nTotal download size: 15 M\nInstalled size: 47 M\nDownloading packages:\n--------------------------------------------------------------------------------\nTotal
                                        32 MB/s |  15 MB  00:00     \nRunning transaction check\nRunning transaction test\nTransaction test succeeded\nRunning transac
ion\n  Installing : git-core-2.47.1-1.amzn2.0.2.x86_64                           1/6 \n  Installing : git-core-doc-2.47.1-1.amzn2.0.2.noarch                    2/6
\n  Installing : 1:perl-Error-0.17020-2.amzn2.noarch                         3/6 \n  Installing : perl-TermReadKey-2.30-20.amzn2.0.2.x86_64                 4/6 \n
 Installing : perl-Git-2.47.1-1.amzn2.0.2.noarch                          5/6 \n  Installing : git-2.47.1-1.amzn2.0.2.x86_64                           6/6 \n  \
rifying  : perl-TermReadKey-2.30-20.amzn2.0.2.x86_64                  1/6 \n  Verifying  : perl-Git-2.47.1-1.amzn2.0.2.noarch                      2/6 \n  Veri
ying  : git-2.47.1-1.amzn2.0.2.x86_64                                 3/6 \n  Verifying  : 1:perl-Error-0.17020-2.amzn2.noarch                     4/6 \n  Verify
g  : git-core-doc-2.47.1-1.amzn2.0.2.noarch                           5/6 \n  Verifying  : git-core-2.47.1-1.amzn2.0.2.x86_64                       6/6 \n\nInstalled:
n  git.x86_64 0:2.47.1-1.amzn2.0.2                                          \n\nDependency Installed:\n  git-core.x86_64 0:2.47.1-1.amzn2.0.2
                  \n  git-core-doc.noarch 0:2.47.1-1.amzn2.0.2                                    \n  perl-Error.noarch 1:0.17020-2.amzn2
                \n  perl-Git.noarch 0:2.47.1-1.amzn2.0.2                                  \n  perl-TermReadKey.x86_64 0:2.30-20.amzn2.0.2
              \n\nComplete!\n"
    ]
}
[ec2-user@ip-172-31-3-184 ~]$
```