System Provisioning and Configuration Module Lab

Executing Ansible Modules

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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

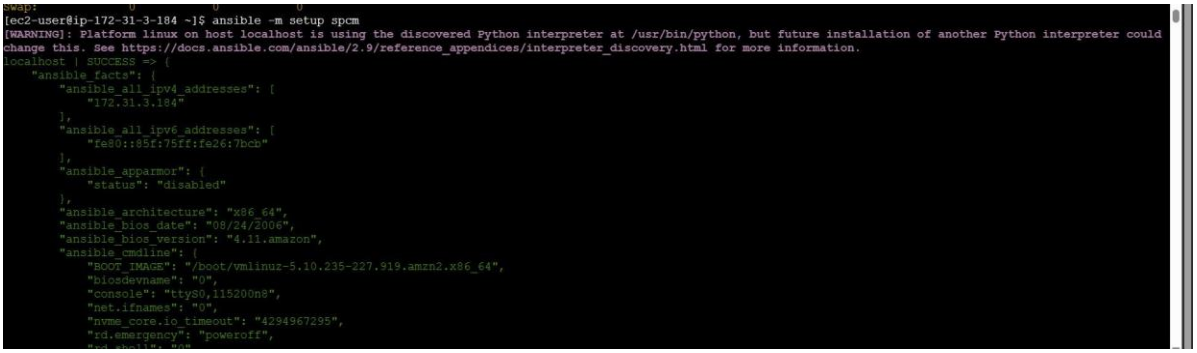
Prerequisites: None

Steps to be followed:

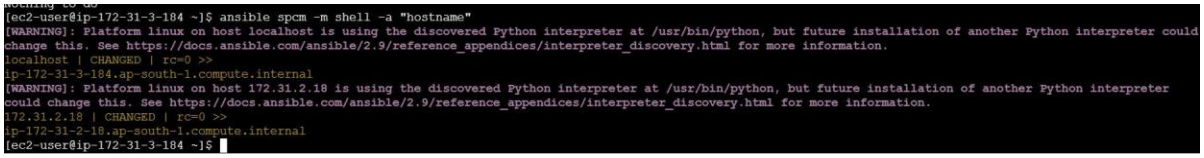
1. Use Ansible modules for server configuration

Step 1: Use Ansible modules for server configuration

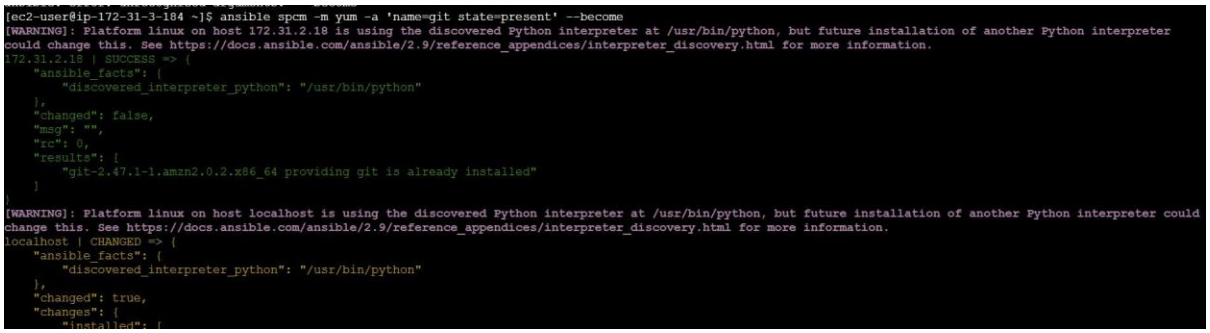
1.1 Run the following command using the **setup** module to collect and display detailed system information about the servers:
ansible -m setup spcm

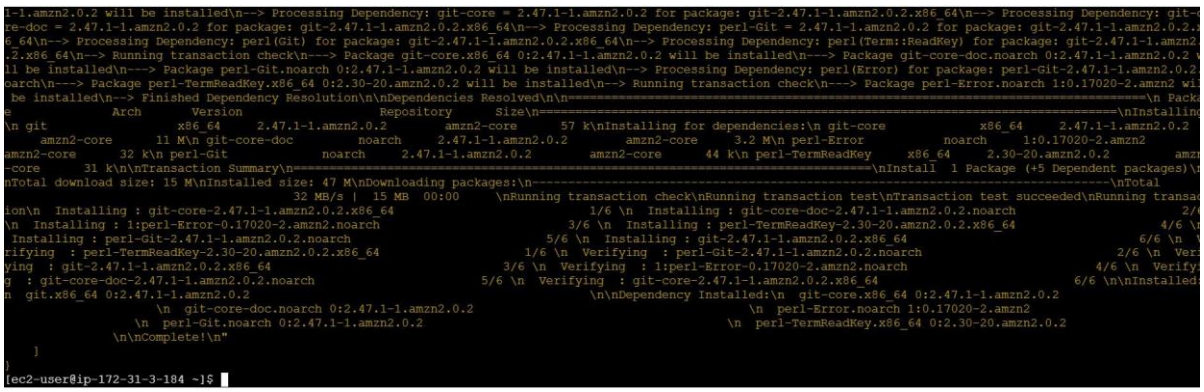


1.2 Run the following command using the **shell** module to retrieve server hostnames:
ansible spcm -m shell -a 'hostname'



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
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
e Arch Version Repository Size\n
\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 transa
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/
\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 \
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 ~]$