

Lab Activity - 8

-Networking & System Administration Lab

Submitted by,

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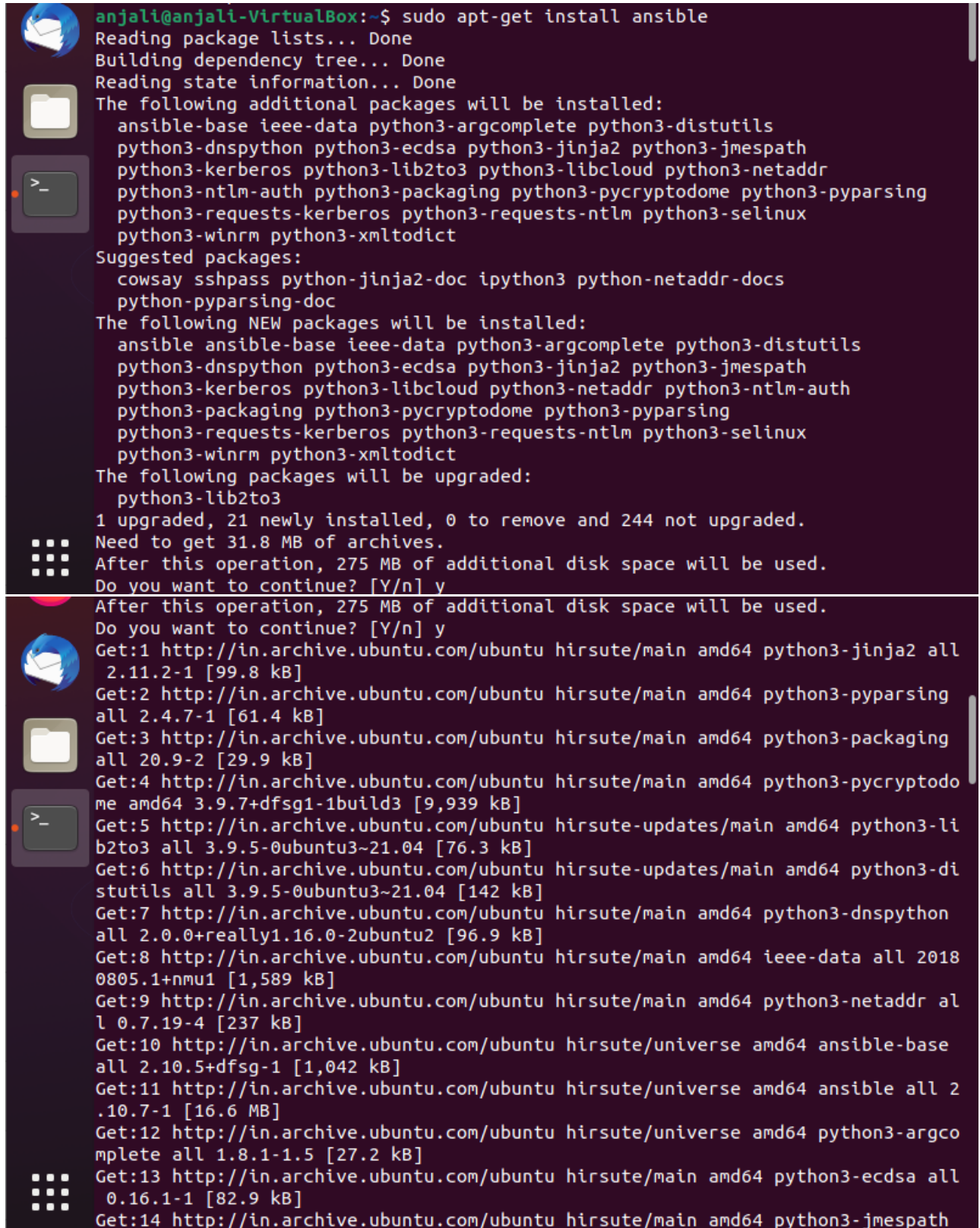
Roll No : 18

S2 RMCA A

Submitted on :01-10-2021




Installation of Ansible

- `sudo apt-get install ansible`






```
anjali@anjali-VirtualBox:~$ sudo apt-get install ansible
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  ansible-base ieee-data python3-argcomplete python3-distutils
  python3-dnspython python3-ecdsa python3-jinja2 python3-jmespath
  python3-kerberos python3-lib2to3 python3-libcloud python3-netaddr
  python3-ntlm-auth python3-packaging python3-pycryptodome python3-pyparsing
  python3-requests-kerberos python3-requests-ntlm python3-selinux
  python3-winrm python3-xlrd python3-xmldict
Suggested packages:
  cowsay sshpass python-jinja2-doc ipython3 python-netaddr-docs
  python-pyparsing-doc
The following NEW packages will be installed:
  ansible ansible-base ieee-data python3-argcomplete python3-distutils
  python3-dnspython python3-ecdsa python3-jinja2 python3-jmespath
  python3-kerberos python3-libcloud python3-netaddr python3-ntlm-auth
  python3-packaging python3-pycryptodome python3-pyparsing
  python3-requests-kerberos python3-requests-ntlm python3-selinux
  python3-winrm python3-xlrd python3-xmldict
The following packages will be upgraded:
  python3-lib2to3
1 upgraded, 21 newly installed, 0 to remove and 244 not upgraded.
Need to get 31.8 MB of archives.
After this operation, 275 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
After this operation, 275 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://in.archive.ubuntu.com/ubuntu hirsute/main amd64 python3-jinja2 all
  2.11.2-1 [99.8 kB]
Get:2 http://in.archive.ubuntu.com/ubuntu hirsute/main amd64 python3-pyparsing
  all 2.4.7-1 [61.4 kB]
Get:3 http://in.archive.ubuntu.com/ubuntu hirsute/main amd64 python3-packaging
  all 20.9-2 [29.9 kB]
Get:4 http://in.archive.ubuntu.com/ubuntu hirsute/main amd64 python3-pycryptodo
  me amd64 3.9.7+dfsg1-1build3 [9,939 kB]
Get:5 http://in.archive.ubuntu.com/ubuntu hirsute-updates/main amd64 python3-li
  b2to3 all 3.9.5-0ubuntu3~21.04 [76.3 kB]
Get:6 http://in.archive.ubuntu.com/ubuntu hirsute-updates/main amd64 python3-di
  stutils all 3.9.5-0ubuntu3~21.04 [142 kB]
Get:7 http://in.archive.ubuntu.com/ubuntu hirsute/main amd64 python3-dnspython
  all 2.0.0+really1.16.0-2ubuntu2 [96.9 kB]
Get:8 http://in.archive.ubuntu.com/ubuntu hirsute/main amd64 ieee-data all 2018
  0805.1+nmu1 [1,589 kB]
Get:9 http://in.archive.ubuntu.com/ubuntu hirsute/main amd64 python3-netaddr al
  l 0.7.19-4 [237 kB]
Get:10 http://in.archive.ubuntu.com/ubuntu hirsute/universe amd64 ansible-base
  all 2.10.5+dfsg-1 [1,042 kB]
Get:11 http://in.archive.ubuntu.com/ubuntu hirsute/universe amd64 ansible all 2
  .10.7-1 [16.6 MB]
Get:12 http://in.archive.ubuntu.com/ubuntu hirsute/universe amd64 python3-argco
  mplete all 1.8.1-1.5 [27.2 kB]
Get:13 http://in.archive.ubuntu.com/ubuntu hirsute/main amd64 python3-ecdsa all
  0.16.1-1 [82.9 kB]
Get:14 http://in.archive.ubuntu.com/ubuntu hirsute/main amd64 python3-jmespath
```

```
oud all 3.2.0-2 [1,554 kB]
Get:17 http://in.archive.ubuntu.com/ubuntu hirsute/universe amd64 python3-ntlm-
auth all 1.4.0-1 [20.4 kB]
Get:18 http://in.archive.ubuntu.com/ubuntu hirsute/universe amd64 python3-reque
sts-kerberos all 0.12.0-2 [11.9 kB]
Get:19 http://in.archive.ubuntu.com/ubuntu hirsute/universe amd64 python3-reque
sts-ntlm all 1.1.0-1.1 [6,160 B]
Get:20 http://in.archive.ubuntu.com/ubuntu hirsute/universe amd64 python3-selin
ux amd64 3.1-3build1 [139 kB]
Get:21 http://in.archive.ubuntu.com/ubuntu hirsute/universe amd64 python3-xmlto
dict all 0.12.0-2 [12.6 kB]
Get:22 http://in.archive.ubuntu.com/ubuntu hirsute/universe amd64 python3-winrm
all 0.3.0-2 [21.7 kB]
Fetched 31.8 MB in 54s (590 kB/s)
Selecting previously unselected package python3-jinja2.
(Reading database ... 192115 files and directories currently installed.)
Preparing to unpack .../00-python3-jinja2_2.11.2-1_all.deb ...
Unpacking python3-jinja2 (2.11.2-1) ...
Selecting previously unselected package python3-pyparsing.
Preparing to unpack .../01-python3-pyparsing_2.4.7-1_all.deb ...
Unpacking python3-pyparsing (2.4.7-1) ...
Selecting previously unselected package python3-packaging.
Preparing to unpack .../02-python3-packaging_20.9-2_all.deb ...
Unpacking python3-packaging (20.9-2) ...
Selecting previously unselected package python3-pycryptodome.
Preparing to unpack .../03-python3-pycryptodome_3.9.7+dfsg1-1build3_amd64.deb .
..
Unpacking python3-pycryptodome (3.9.7+dfsg1-1build3) ...
Preparing to unpack .../04-python3-lib2to3_3.9.5-0ubuntu3~21.04_all.deb ...
Unpacking python3-pycryptodome (3.9.7+dfsg1-1build3) ...
Preparing to unpack .../04-python3-lib2to3_3.9.5-0ubuntu3~21.04_all.deb ...
Unpacking python3-lib2to3 (3.9.5-0ubuntu3~21.04) over (3.9.4-0ubuntu1) ...
Selecting previously unselected package python3-distutils.
Preparing to unpack .../05-python3-distutils_3.9.5-0ubuntu3~21.04_all.deb ...
Unpacking python3-distutils (3.9.5-0ubuntu3~21.04) ...
Selecting previously unselected package python3-dnspython.
Preparing to unpack .../06-python3-dnspython_2.0.0+really1.16.0-2ubuntu2_all.de
b ...
Unpacking python3-dnspython (2.0.0+really1.16.0-2ubuntu2) ...
Selecting previously unselected package ieee-data.
Preparing to unpack .../07-ieee-data_20180805.1+nmu1_all.deb ...
Unpacking ieee-data (20180805.1+nmu1) ...
Selecting previously unselected package python3-netaddr.
Preparing to unpack .../08-python3-netaddr_0.7.19-4_all.deb ...
Unpacking python3-netaddr (0.7.19-4) ...
Selecting previously unselected package ansible-base.
Preparing to unpack .../09-ansible-base_2.10.5+dfsg-1_all.deb ...
Unpacking ansible-base (2.10.5+dfsg-1) ...
Selecting previously unselected package ansible.
Preparing to unpack .../10-ansible_2.10.7-1_all.deb ...
Unpacking ansible (2.10.7-1) ...
Selecting previously unselected package python3-argcomplete.
Preparing to unpack .../11-python3-argcomplete_1.8.1-1.5_all.deb ...
Unpacking python3-argcomplete (1.8.1-1.5) ...
Selecting previously unselected package python3-ecdsa.
Preparing to unpack .../12-python3-ecdsa_0.16.1-1_all.deb ...
Unpacking python3-ecdsa (0.16.1-1) ...
Selecting previously unselected package python3-jmespath.
```

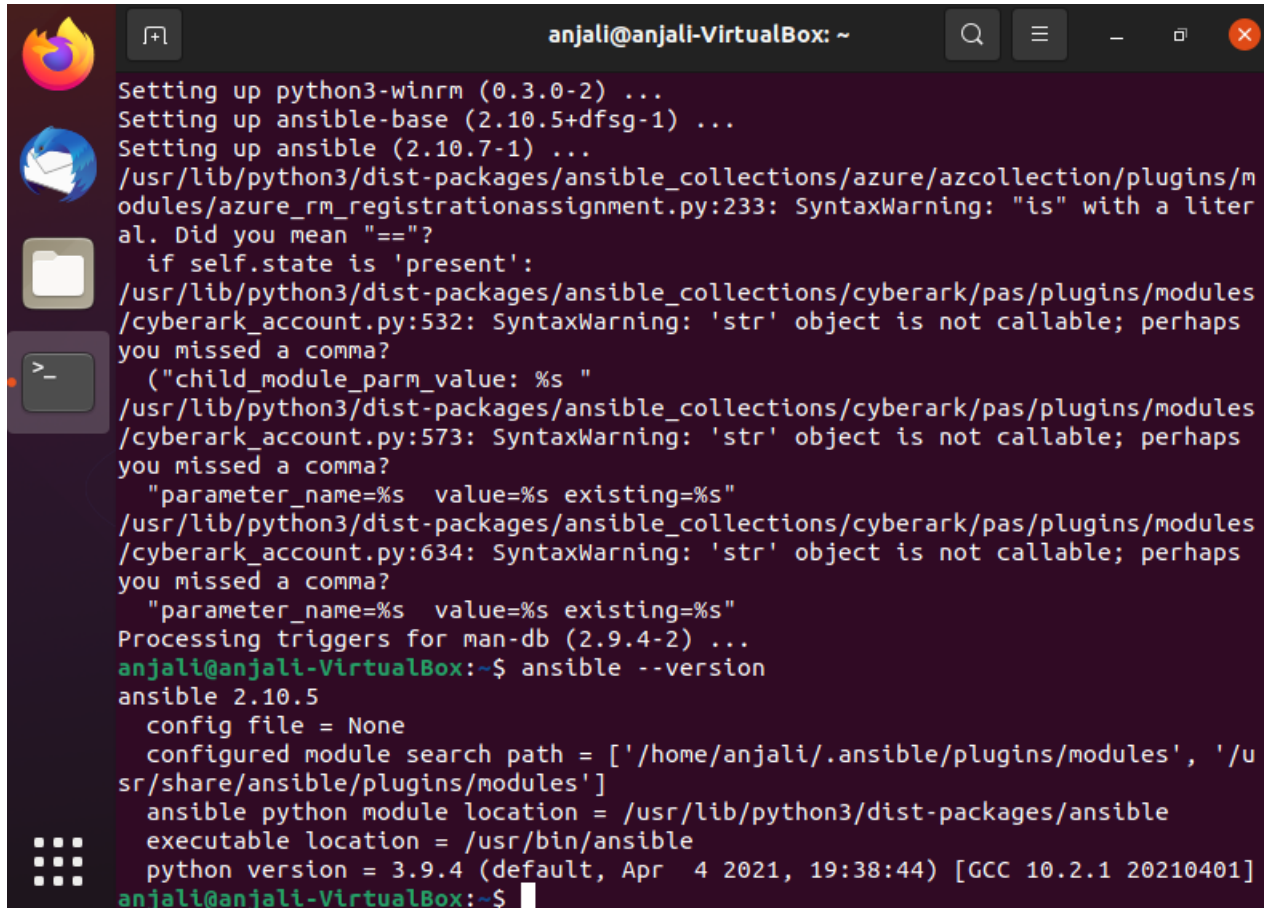


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Unpacking python3-libcloud (3.2.0-2) ...
Selecting previously unselected package python3-ntlm-auth.
Preparing to unpack .../16-python3-ntlm-auth_1.4.0-1_all.deb ...
Unpacking python3-ntlm-auth (1.4.0-1) ...
Selecting previously unselected package python3-requests-kerberos.
Preparing to unpack .../17-python3-requests-kerberos_0.12.0-2_all.deb ...
Unpacking python3-requests-kerberos (0.12.0-2) ...
Selecting previously unselected package python3-requests-ntlm.
Preparing to unpack .../18-python3-requests-ntlm_1.1.0-1.1_all.deb ...
Unpacking python3-requests-ntlm (1.1.0-1.1) ...
Selecting previously unselected package python3-selinux.
Preparing to unpack .../19-python3-selinux_3.1-3build1_amd64.deb ...
Unpacking python3-selinux (3.1-3build1) ...
Selecting previously unselected package python3-xlrd.
Preparing to unpack .../20-python3-xlrd_0.12.0-2_all.deb ...
Unpacking python3-xlrd (0.12.0-2) ...
Selecting previously unselected package python3-winrm.
Preparing to unpack .../21-python3-winrm_0.3.0-2_all.deb ...
Unpacking python3-winrm (0.3.0-2) ...
Setting up python3-ntlm-auth (1.4.0-1) ...
Setting up python3-pycryptodome (3.9.7+dfsg1-1build3) ...
Setting up python3-kerberos (1.1.14-3.1build3) ...
Setting up python3-libcloud (3.2.0-2) ...
Setting up python3-xlrd (0.12.0-2) ...
Setting up python3-jinja2 (2.11.2-1) ...
Setting up python3-pyparsing (2.4.7-1) ...
Setting up python3-jmespath (0.10.0-1) ...
Setting up python3-requests-kerberos (0.12.0-2) ...
```



```
Setting up python3-jmespath (0.10.0-1) ...
Setting up python3-requests-kerberos (0.12.0-2) ...
Setting up ieee-data (20180805.1+nmu1) ...
Setting up python3-dnspython (2.0.0+really1.16.0-2ubuntu2) ...
Setting up python3-selinux (3.1-3build1) ...
Setting up python3-argcomplete (1.8.1-1.5) ...
Setting up python3-lib2to3 (3.9.5-0ubuntu3~21.04) ...
Setting up python3-distutils (3.9.5-0ubuntu3~21.04) ...
Setting up python3-requests-ntlm (1.1.0-1.1) ...
Setting up python3-packaging (20.9-2) ...
Setting up python3-netaddr (0.7.19-4) ...
Setting up python3-winrm (0.3.0-2) ...
Setting up ansible-base (2.10.5+dfsg-1) ...
Setting up ansible (2.10.7-1) ...
/usr/lib/python3/dist-packages/ansible_collections/azure/azcollection/plugins/modules/azure_rm_registrationassignment.py:233: SyntaxWarning: "is" with a literal. Did you mean "=="?
    if self.state is 'present':
/usr/lib/python3/dist-packages/ansible_collections/cyberark/pas/plugins/modules/cyberark_account.py:532: SyntaxWarning: 'str' object is not callable; perhaps you missed a comma?
    ("child_module_parm_value: %s "
/usr/lib/python3/dist-packages/ansible_collections/cyberark/pas/plugins/modules/cyberark_account.py:573: SyntaxWarning: 'str' object is not callable; perhaps you missed a comma?
    "parameter_name=%s value=%s existing=%s"
/usr/lib/python3/dist-packages/ansible_collections/cyberark/pas/plugins/modules/cyberark_account.py:634: SyntaxWarning: 'str' object is not callable; perhaps you missed a comma?
```


- **ansible --version**



The image shows a terminal window titled "anjali@anjali-VirtualBox: ~". The window contains the following text:

```
Setting up python3-winrm (0.3.0-2) ...
Setting up ansible-base (2.10.5+dfsg-1) ...
Setting up ansible (2.10.7-1) ...
/usr/lib/python3/dist-packages/ansible_collections/azure/azcollection/plugins/modules/azure_rm_registrationassignment.py:233: SyntaxWarning: "is" with a literal. Did you mean "=="?
    if self.state is 'present':
/usr/lib/python3/dist-packages/ansible_collections/cyberark/pas/plugins/modules/cyberark_account.py:532: SyntaxWarning: 'str' object is not callable; perhaps you missed a comma?
    ("child_module_parm_value: %s "
/usr/lib/python3/dist-packages/ansible_collections/cyberark/pas/plugins/modules/cyberark_account.py:573: SyntaxWarning: 'str' object is not callable; perhaps you missed a comma?
    "parameter_name=%s value=%s existing=%s"
/usr/lib/python3/dist-packages/ansible_collections/cyberark/pas/plugins/modules/cyberark_account.py:634: SyntaxWarning: 'str' object is not callable; perhaps you missed a comma?
    "parameter_name=%s value=%s existing=%s"
Processing triggers for man-db (2.9.4-2) ...
anjali@anjali-VirtualBox:~$ ansible --version
ansible 2.10.5
  config file = None
  configured module search path = ['/home/anjali/.ansible/plugins/modules', '/usr/share/ansible/plugins/modules']
  ansible python module location = /usr/lib/python3/dist-packages/ansible
  executable location = /usr/bin/ansible
  python version = 3.9.4 (default, Apr  4 2021, 19:38:44) [GCC 10.2.1 20210401]
anjali@anjali-VirtualBox:~$
```