TASK 2: HOW TO INSTALL ANSIBLE MASTER

1 Add the repository details of ansible sudo apt-addrepository ppa:ansible/ansible 2 Update apt packages sudo apt-get update 3 Install Ansible sudo apt-get install ansible 4 Get the ansible version ansible –version

ubuntu@ip-172-31-46-32:~$ sudo apt-add-repository ppa:ansible/ansible

Ansible is a radically simple IT automation platform that makes your applications and systems easier to deploy. Avoid writing scripts or custom code to deploy and update your applications— automate in a language that approaches plain English, using SSH, with no agents to install on remote systems.

http://ansible.com/

More info: https://launchpad.net/~ansible/+archive/ubuntu/ansible

Press [ENTER] to continue or Ctrl-c to cancel adding it.

Get:1 http://ppa.launchpad.net/ansible/ansible/ubuntu bionic InRelease [15.9 kB]

Hit:2 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic InRelease

Get:3 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic-updates InRelease [88.7 kB]

Get:4 http://security.ubuntu.com/ubuntu bionic-security InRelease [88.7 kB]

Get:5 http://ppa.launchpad.net/ansible/ansible/ubuntu bionic/main amd64 Packages [824 B]

Get:6 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic-backports InRelease [74.6 kB]

Get:7 http://ppa.launchpad.net/ansible/ansible/ubuntu bionic/main Translation-en [476 B]

Get:8 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic/universe amd64 Packages [8570 kB]

Get:9 http://security.ubuntu.com/ubuntu bionic-security/main amd64 Packages [1399 kB]

Get:10 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic/universe Translation-en [4941 kB]

Get:11 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic/multiverse amd64 Packages [151 kB]

Get:12 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic/multiverse Translation-en [108 kB]

Get:13 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 Packages [1726 kB]

Get:14 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/main Translation-en [367 kB]

Get:15 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/restricted amd64 Packages [184 kB]

Get:16 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/restricted Translation-en [24.6 kB]

Get:17 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/universe amd64 Packages [1683 kB]

Get:18 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/universe Translation-en [354 kB]

Get:19 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/multiverse amd64 Packages [31.9 kB]

Get:20 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/multiverse Translation-en [6980 B]

Get:21 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic-backports/main amd64 Packages [10.0 kB]

Get:22 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic-backports/main Translation-en [4764 B]

Get:23 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic-backports/universe amd64 Packages [10.3 kB]

Get:24 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic-backports/universe Translation-en [4588 B]

Get:25 http://security.ubuntu.com/ubuntu bionic-security/main Translation-en [276 kB]

Get:26 http://security.ubuntu.com/ubuntu bionic-security/restricted amd64 Packages [166 kB]

Get:27 http://security.ubuntu.com/ubuntu bionic-security/restricted Translation-en [22.1 kB]

Get:28 http://security.ubuntu.com/ubuntu bionic-security/universe amd64 Packages [1079 kB]

Get:29 http://security.ubuntu.com/ubuntu bionic-security/universe Translation-en [241 kB]

Get:30 http://security.ubuntu.com/ubuntu bionic-security/multiverse amd64 Packages [12.9 kB]

Get:31 http://security.ubuntu.com/ubuntu bionic-security/multiverse Translation-en [2964 B]

Fetched 21.6 MB in 14s (1588 kB/s)

Reading package lists... Done

ubuntu@ip-172-31-46-32:~$ sudo apt-get update

Hit:1 http://ppa.launchpad.net/ansible/ansible/ubuntu bionic InRelease

Hit:2 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic InRelease

Get:3 http://security.ubuntu.com/ubuntu bionic-security InRelease [88.7 kB]

Hit:4 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic-updates InRelease

Hit:5 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic-backports InRelease

Fetched 88.7 kB in 1s (129 kB/s)

Reading package lists... Done

ubuntu@ip-172-31-46-32:~$ sudo apt-get install ansible

Reading package lists... Done

Building dependency tree

Reading state information... Done

The following additional packages will be installed:

libpython-stdlib libpython2.7-minimal libpython2.7-stdlib python

python-asn1crypto python-cffi-backend python-crypto python-cryptography

python-enum34 python-httplib2 python-idna python-ipaddress python-jinja2

python-markupsafe python-minimal python-paramiko python-pkg-resources

python-pyasn1 python-setuptools python-six python-yaml python2.7

python2.7-minimal sshpass

Suggested packages:

python-doc python-tk python-crypto-doc python-cryptography-doc

python-cryptography-vectors python-enum34-doc python-jinja2-doc

python-gssapi python-setuptools-doc python2.7-doc binutils binfmt-support

The following NEW packages will be installed:

ansible libpython-stdlib libpython2.7-minimal libpython2.7-stdlib python

python-asn1crypto python-cffi-backend python-crypto python-cryptography

python-enum34 python-httplib2 python-idna python-ipaddress python-jinja2

python-markupsafe python-minimal python-paramiko python-pkg-resources

python-pyasn1 python-setuptools python-six python-yaml python2.7

python2.7-minimal sshpass

0 upgraded, 25 newly installed, 0 to remove and 60 not upgraded.

Need to get 11.3 MB of archives.

After this operation, 83.3 MB of additional disk space will be used.

Do you want to continue? [Y/n] Y

Get:1 http://ppa.launchpad.net/ansible/ansible/ubuntu bionic/main amd64 ansible all 2.9.14-1ppa~bionic [5800 kB]

Get:2 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 libpython2.7-minimal amd64 2.7.17-1~18.04ubuntu1.2 [335 kB]

Get:3 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 python2.7-minimal amd64 2.7.17-1~18.04ubuntu1.2 [1290 kB]

Get:4 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic/main amd64 python-minimal amd64 2.7.15~rc1-1 [28.1 kB]

Get:5 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 libpython2.7-stdlib amd64 2.7.17-1~18.04ubuntu1.2 [1916 kB]

Get:6 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 python2.7 amd64 2.7.17-1~18.04ubuntu1.2 [248 kB]

Get:7 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic/main amd64 libpython-stdlib amd64 2.7.15~rc1-1 [7620 B]

Get:8 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic/main amd64 python amd64 2.7.15~rc1-1 [140 kB]

Get:9 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic/main amd64 python-markupsafe amd64 1.0-1build1 [13.0 kB]

Get:10 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 python-jinja2 all 2.10-1ubuntu0.18.04.1 [94.8 kB]

Get:11 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic/main amd64 python-yaml amd64 3.12-1build2 [115 kB]

Get:12 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic/main amd64 python-asn1crypto all 0.24.0-1 [72.7 kB]

Get:13 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic/main amd64 python-cffi-backend amd64 1.11.5-1 [63.4 kB]

Get:14 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic/main amd64 python-enum34 all 1.1.6-2 [34.8 kB]

Get:15 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic/main amd64 python-idna all 2.6-1 [32.4 kB]

Get:16 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic/main amd64 python-ipaddress all 1.0.17-1 [18.2 kB]

Get:17 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic/main amd64 python-six all 1.11.0-2 [11.3 kB]

Get:18 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 python-cryptography amd64 2.1.4-1ubuntu1.3 [221 kB]

Get:19 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic/main amd64 python-pyasn1 all 0.4.2-3 [46.7 kB]

Get:20 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 python-paramiko all 2.0.0-1ubuntu1.2 [110 kB]

Get:21 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 python-httplib2 all 0.9.2+dfsg-1ubuntu0.2 [34.8 kB]

Get:22 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic/main amd64 python-crypto amd64 2.6.1-8ubuntu2 [244 kB]

Get:23 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic/main amd64 python-pkg-resources all 39.0.1-2 [128 kB]

Get:24 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic/main amd64 python-setuptools all 39.0.1-2 [329 kB]

Get:25 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic/universe amd64 sshpass amd64 1.06-1 [10.5 kB]

Fetched 11.3 MB in 14s (795 kB/s)

Selecting previously unselected package libpython2.7-minimal:amd64.

(Reading database ... 57083 files and directories currently installed.)

Preparing to unpack .../0-libpython2.7-minimal\_2.7.17-1~18.04ubuntu1.2\_amd64.deb ...

Unpacking libpython2.7-minimal:amd64 (2.7.17-1~18.04ubuntu1.2) ...

Selecting previously unselected package python2.7-minimal.

Preparing to unpack .../1-python2.7-minimal\_2.7.17-1~18.04ubuntu1.2\_amd64.deb ...

Unpacking python2.7-minimal (2.7.17-1~18.04ubuntu1.2) ...

Selecting previously unselected package python-minimal.

Preparing to unpack .../2-python-minimal\_2.7.15~rc1-1\_amd64.deb ...

Unpacking python-minimal (2.7.15~rc1-1) ...

Selecting previously unselected package libpython2.7-stdlib:amd64.

Preparing to unpack .../3-libpython2.7-stdlib\_2.7.17-1~18.04ubuntu1.2\_amd64.deb ...

Unpacking libpython2.7-stdlib:amd64 (2.7.17-1~18.04ubuntu1.2) ...

Selecting previously unselected package python2.7.

Preparing to unpack .../4-python2.7\_2.7.17-1~18.04ubuntu1.2\_amd64.deb ...

Unpacking python2.7 (2.7.17-1~18.04ubuntu1.2) ...

Selecting previously unselected package libpython-stdlib:amd64.

Preparing to unpack .../5-libpython-stdlib\_2.7.15~rc1-1\_amd64.deb ...

Unpacking libpython-stdlib:amd64 (2.7.15~rc1-1) ...

Setting up libpython2.7-minimal:amd64 (2.7.17-1~18.04ubuntu1.2) ...

Setting up python2.7-minimal (2.7.17-1~18.04ubuntu1.2) ...

Linking and byte-compiling packages for runtime python2.7...

Setting up python-minimal (2.7.15~rc1-1) ...

Selecting previously unselected package python.

(Reading database ... 57831 files and directories currently installed.)

Preparing to unpack .../00-python\_2.7.15~rc1-1\_amd64.deb ...

Unpacking python (2.7.15~rc1-1) ...

Selecting previously unselected package python-markupsafe.

Preparing to unpack .../01-python-markupsafe\_1.0-1build1\_amd64.deb ...

Unpacking python-markupsafe (1.0-1build1) ...

Selecting previously unselected package python-jinja2.

Preparing to unpack .../02-python-jinja2\_2.10-1ubuntu0.18.04.1\_all.deb ...

Unpacking python-jinja2 (2.10-1ubuntu0.18.04.1) ...

Selecting previously unselected package python-yaml.

Preparing to unpack .../03-python-yaml\_3.12-1build2\_amd64.deb ...

Unpacking python-yaml (3.12-1build2) ...

Selecting previously unselected package python-asn1crypto.

Preparing to unpack .../04-python-asn1crypto\_0.24.0-1\_all.deb ...

Unpacking python-asn1crypto (0.24.0-1) ...

Selecting previously unselected package python-cffi-backend.

Preparing to unpack .../05-python-cffi-backend\_1.11.5-1\_amd64.deb ...

Unpacking python-cffi-backend (1.11.5-1) ...

Selecting previously unselected package python-enum34.

Preparing to unpack .../06-python-enum34\_1.1.6-2\_all.deb ...

Unpacking python-enum34 (1.1.6-2) ...

Selecting previously unselected package python-idna.

Preparing to unpack .../07-python-idna\_2.6-1\_all.deb ...

Unpacking python-idna (2.6-1) ...

Selecting previously unselected package python-ipaddress.

Preparing to unpack .../08-python-ipaddress\_1.0.17-1\_all.deb ...

Unpacking python-ipaddress (1.0.17-1) ...

Selecting previously unselected package python-six.

Preparing to unpack .../09-python-six\_1.11.0-2\_all.deb ...

Unpacking python-six (1.11.0-2) ...

Selecting previously unselected package python-cryptography.

Preparing to unpack .../10-python-cryptography\_2.1.4-1ubuntu1.3\_amd64.deb ...

Unpacking python-cryptography (2.1.4-1ubuntu1.3) ...

Selecting previously unselected package python-pyasn1.

Preparing to unpack .../11-python-pyasn1\_0.4.2-3\_all.deb ...

Unpacking python-pyasn1 (0.4.2-3) ...

Selecting previously unselected package python-paramiko.

Preparing to unpack .../12-python-paramiko\_2.0.0-1ubuntu1.2\_all.deb ...

Unpacking python-paramiko (2.0.0-1ubuntu1.2) ...

Selecting previously unselected package python-httplib2.

Preparing to unpack .../13-python-httplib2\_0.9.2+dfsg-1ubuntu0.2\_all.deb ...

Unpacking python-httplib2 (0.9.2+dfsg-1ubuntu0.2) ...

Selecting previously unselected package python-crypto.

Preparing to unpack .../14-python-crypto\_2.6.1-8ubuntu2\_amd64.deb ...

Unpacking python-crypto (2.6.1-8ubuntu2) ...

Selecting previously unselected package python-pkg-resources.

Preparing to unpack .../15-python-pkg-resources\_39.0.1-2\_all.deb ...

Unpacking python-pkg-resources (39.0.1-2) ...

Selecting previously unselected package python-setuptools.

Preparing to unpack .../16-python-setuptools\_39.0.1-2\_all.deb ...

Unpacking python-setuptools (39.0.1-2) ...

Selecting previously unselected package sshpass.

Preparing to unpack .../17-sshpass\_1.06-1\_amd64.deb ...

Unpacking sshpass (1.06-1) ...

Selecting previously unselected package ansible.

Preparing to unpack .../18-ansible\_2.9.14-1ppa~bionic\_all.deb ...

Unpacking ansible (2.9.14-1ppa~bionic) ...

Setting up sshpass (1.06-1) ...

Setting up libpython2.7-stdlib:amd64 (2.7.17-1~18.04ubuntu1.2) ...

Setting up python2.7 (2.7.17-1~18.04ubuntu1.2) ...

Setting up libpython-stdlib:amd64 (2.7.15~rc1-1) ...

Setting up python (2.7.15~rc1-1) ...

Setting up python-idna (2.6-1) ...

Setting up python-yaml (3.12-1build2) ...

Setting up python-asn1crypto (0.24.0-1) ...

Setting up python-crypto (2.6.1-8ubuntu2) ...

Setting up python-pyasn1 (0.4.2-3) ...

Setting up python-pkg-resources (39.0.1-2) ...

Setting up python-markupsafe (1.0-1build1) ...

Setting up python-httplib2 (0.9.2+dfsg-1ubuntu0.2) ...

Setting up python-cffi-backend (1.11.5-1) ...

Setting up python-six (1.11.0-2) ...

Setting up python-enum34 (1.1.6-2) ...

Setting up python-ipaddress (1.0.17-1) ...

Setting up python-setuptools (39.0.1-2) ...

Setting up python-jinja2 (2.10-1ubuntu0.18.04.1) ...

Setting up python-cryptography (2.1.4-1ubuntu1.3) ...

Setting up python-paramiko (2.0.0-1ubuntu1.2) ...

Setting up ansible (2.9.14-1ppa~bionic) ...

Processing triggers for mime-support (3.60ubuntu1) ...

Processing triggers for man-db (2.8.3-2ubuntu0.1) ...

ubuntu@ip-172-31-46-32:~$ ansible --version

ansible 2.9.14

config file = /etc/ansible/ansible.cfg

configured module search path = [u'/home/ubuntu/.ansible/plugins/modules', u'/usr/share/ansible/plugins/modules']

ansible python module location = /usr/lib/python2.7/dist-packages/ansible

executable location = /usr/bin/ansible

python version = 2.7.17 (default, Sep 30 2020, 13:38:04) [GCC 7.5.0]

ubuntu@ip-172-31-46-32:~$