**6. Ansible installation**

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.

**Update OS to latest version.**

**Command**: sudo apt-get update

root@localhost:~# sudo apt-get update

Hit:1 http://mirrors.linode.com/ubuntu cosmic InRelease

Get:2 http://mirrors.linode.com/ubuntu cosmic-updates InRelease [88.7 kB]

Get:3 http://mirrors.linode.com/ubuntu cosmic-backports InRelease [74.6 kB]

Get:4 http://mirrors.linode.com/ubuntu cosmic-updates/main i386 Packages [200 kB]

Get:5 http://mirrors.linode.com/ubuntu cosmic-updates/main amd64 Packages [223 kB]

Get:6 http://security.ubuntu.com/ubuntu cosmic-security InRelease [88.7 kB]

Get:7 http://security.ubuntu.com/ubuntu cosmic-security/main amd64 Packages [131 kB]

Get:8 http://security.ubuntu.com/ubuntu cosmic-security/main i386 Packages [109 kB]

Fetched 915 kB in 1s (700 kB/s)

Reading package lists... Done

**Add Ansible package to your Ubuntu system.**

**Command:** sudo apt-add-repository --yes --update ppa:ansible/ansible

root@localhost:~# sudo apt-add-repository --yes --update ppa:ansible/ansible

Hit:1 http://mirrors.linode.com/ubuntu cosmic InRelease

Hit:2 http://mirrors.linode.com/ubuntu cosmic-updates InRelease

Get:3 http://mirrors.linode.com/ubuntu cosmic-backports InRelease [74.6 kB]

Hit:4 http://security.ubuntu.com/ubuntu cosmic-security InRelease

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Get:5 http://ppa.launchpad.net/ansible/ansible/ubuntu cosmic InRelease [15.9 kB]

Get:6 http://ppa.launchpad.net/ansible/ansible/ubuntu cosmic/main i386 Packages [536 B]

Get:7 http://ppa.launchpad.net/ansible/ansible/ubuntu cosmic/main amd64 Packages[536B]

Get:8 **http://ppa.launchpad.net/ansible/a**

nsible/ubuntu cosmic/main Translation-en [344 B]

Fetched 91.9 kB in 1s (64.7 kB/s)



Reading package lists... Done

**Install Ansible completely.**

**COMMAND sudo apt install ansible**

**COMMAND : ansible –version**

**Install Ansible and pyVmomi**

Python should already be installed on Mac but you might need to install pip by running this

command.

**sudo easy\_install pip**

Once pip is installed, we can use it to install Ansible with the following command.

**sudo pip install ansible**

We also need to install pyVmomi which is the Python SDK for the VMware vSphere API

that allows you to manage ESX, ESXi, and vCenter.

That’s all the dependencies installed, we’re now ready to create our Ansible playbook.

**Create Ansible Playbook**

Ansible playbooks are YAML configuratiom files that describe what actions to run on a

remote host. For this example, we’ll create a simple playbook called deploy-vms.yml that

will use the vmware\_guest module to deply a VM from template.