**Adhoc commands**

$ sudo ansible all -a uptime

$ sudo ansible all -a “uname -a”

**Ansible help/documents**

$ sudo ansible-doc -l|more //to list all modules

$ sudo ansible-doc -l|wc -l

$ sudo ansible-doc user

**Ansible modules**

$ sudo ansible all -m ping

**User: To add and delete users**

$ sudo ansible all -m user -a “name=user password=redhat”

$ sudo ansible appservers -m user -a 'name=john password=redhat'

$ sudo ansible appservers -m user -a 'name=john state=absent' (to delete user)

**yum/apt: For installation and management of applications**

**Install packages without yum/apt modules**

$ sudo ansible redhats -a “yum -y install httpd”

$ sudo ansible redhats -a “yum -y remove httpd”

$ sudo ansible ubuntus -a “apt-get install -y nginx”

$ sudo ansible ubuntus -a “apt-get remove -y nginx”

**Install packages with yum/apt modules**

$ sudo ansible-doc yum

$ sudo ansible redhats -m yum -a “name=httpd state=present”

$ sudo ansible redhats -m yum -a “name=httpd state=absent”

$ sudo ansible ubuntus -m apt -a “name=nginx state=present”

$ sudo ansible ubuntus -m apt -a “name=nginx state=absent”

**Service: To manage services like httpd, nginx, mysql etc.**

$ sudo ansible-doc service

$ sudo ansible redhats -m service -a ‘name=httpd state=started’

$ sudo ansible ubuntus -m service -a ‘name=nginx state=started’

**Setup: It’s used for gathering facts about the hosts**

$ sudo ansible-doc setup

$ sudo ansible all -m setup

**command: used to execute command in bash and see the result**

$ sudo ansible-doc command

$ sudo ansible appservers -m command -a "pwd"

**shell: operations like piping and redirects will not work in command. In these situations, you must use shell module.**

$ sudo ansible webservers -m shell -a 'echo $LD\_PATH'

**file: Used to create files, directories, set, or change file permissions and ownership etc.**

$ sudo ansible webservers -m file -a 'dest=/home/ubuntu/new.txt mode=600 owner=vishnu group=vishnu'

$ sudo ansible webservers -m file -a 'dest=/home/ubuntu/new mode=755 state=directory owner=vishnu'

**copy: Used for copying files to multiple nodes concurrently**

$ sudo ansible webservers -m copy -a 'src=/home/user/cfg.ini dest=/home/ubuntu /cfg.ini'