####Ansible Cheat Workbook ####

Prepare Node:

#Set hostname For master

#hostnamectl set-hostname master

#adduser automation

#visudo

automation   ALL=(ALL)   NOPASSWD: ALL   #Add This Line

Shift +x #Save and Exit

Prepare master:

#Set hostname For master

#hostnamectl set-hostname master

#adduser automation

#visudo

automation   ALL=(ALL)   NOPASSWD: ALL   #Add This Line

Shift +x #Save and Exit

#Add Host Record

#vi /etc/hosts

192.168.44.135 node1

192.168.44.136 node2

Shift +x #Save and Exit

#yum install epel-release -y

#yum install ansible -y

```
#su - automation

#ssh-keygen

#ssh-copy-id node1

#mkdir ansible

#touch inventory

#vi inventory

[appnode]

node1


[dbnode]

node2


[appdb:children]

appnode

dbnode


Shift +x #Save and Exit


#cd ansible

#cp /etc/ansible/ansible.cfg

# Made bellow Changes to the configuration file

#vim ansible.cfg

[defaults]

inventory     = /home/automation/ansible/inventory

host_key_checking = False

remote_user = automation


[privilege_escalation]

become=True
```

become_method=sudo

become_user=root

become_ask_pass=False

Shift +x #Save and Exit

#ansible --version

#ansible all --list-hosts   #Check host list

#ansible all -m ping   #Check client node reachability

#ansible node1 -m command -a "uptime"   # Run Ad hoc command to check uptime

Install package using ad-hoc command

#ansible appdb -m shell -a "yum install httpd -y"

Install httpd package using yum module ad-hoc command####

#ansible appnode -m yum -a "name=httpd state=present"

Ansible Playbook###
#vim firstplay.yaml

- name: This is my first playbook

  hosts: appnode

  tasks:

   - name: Install apache

     yum:

       name: httpd

       state: latest

...
Shift +x #Save and Exit

#ansible-playbook firstplay.yaml --syntax-check   #Playbook Syntax-check

```
#ansible-playbook firstplay.yaml -C                    # Dry Run

#ansible-playbook firstplay.yaml                       # Run Playbook
```

#Conigure Web Server using a playbook

```
---

- name: This is my first playbook

  hosts: appnode

  tasks:

   - name: Install apache

     yum:

       name: httpd

       state: latest

   - name: Start apache service

     service:

       name: httpd

       state: started

       enabled: yes

   - name: Enable http traffic in the the firewall

     firewalld:

       service: http

       permanent: yes

       state: enabled

   - name: Copy Index file to the App node

     copy:

       src: index.html

       dest: /var/www/html/index.html

...
```

Shift +x #Save and Exit

```
#ansible-playbook firstplay.yaml --syntax-check        #Pleayboot Syntax-check

#ansible-playbook firstplay.yaml -C                     # Dry Run

#ansible-playbook firstplay.yaml                        # Run Playbook
```

#Configure Multi playbook

```
---
- name: This is my first playbook
  hosts: appnode
  tasks:
    - name: Install apache
      yum:
        name: httpd
        state: latest
    - name: Start apache service
      service:
        name: httpd
        state: started
        enabled: yes
    - name: Enable http traffic in the the firewall
      firewalld:
        service: http
        permanent: yes
        state: enabled
    - name: Copy Index file to the App node
      copy:
        src: index.html
        dest: /var/www/html/index.html
```

```
- name: Second Play

  hosts: dbnode

  tasks:

    - name: Install MariaDB

      yum:

        name: mariadb

        state: present


...


ansible-playbook firstplay.yaml --syntax-check        #Pleayboot Syntax-check

#ansible-playbook firstplay.yaml -C                    # Dry Run

#ansible-playbook firstplay.yaml                       # Run Playbook
```