**Ansible on CentOS7**

**Step 1: Disabling Firewall and SELinux on both machines:**

Open a terminal and run the command:

yum update

**Disabling Firewall:**

yum install firewalld

systemctl stop firewalld

systemctl mask firewalld

**Disabling Selinux:**

vi /etc/sysconfig/selinux - disable selinux

reboot

sestatus -It must show as disabled

**Step 2: Install Ansible on source machine**

**Install ansible on source machine**

yum install ansible -y

ansible --version

**Add the host details in Inventory:**

vi /etc/ansible/hosts

Last line

[web]

Private ipaddress of destination host

**Generate SSH key on the Ansible Control Machine. In order to do that, use the command below:**

ssh-keygen

cd ~/.ssh/

Copy contents of id\_rsa.pub

**On the destination machine:**

cd ~/.ssh/authorized\_keys

cp id\_rsa.pub contents from ansible server to authorized\_keys

chmod 700 ~/.ssh

chmod 600 ~/.ssh/authorized\_keys

**On source machine:**

**Running Adhoc command:**

ansible -m ping web

Ping must be successfully

**Using Ansible YAML: (**https://docs.ansible.com/ansible/latest/user\_guide/playbooks\_intro.html)

**On Source machine:**

yum install httpd

service httpd start

**Location of httpd configuration file:**

/etc/httpd/conf/httpd.conf

**Install vim editor:**

yum install vim

**Create YAML file**

vim apache.yml

**---**

**- hosts: web**

**vars:**

**http\_port: 80**

**max\_clients: 200**

**remote\_user: root**

**tasks:**

**- name: ensure apache is at the latest version**

**yum:**

**name: httpd**

**state: latest**

**- name: write the apache config file**

**template:**

**src: /etc/httpd/conf/httpd.conf**

**dest: /etc/httpd/conf/httpd.conf**

**notify:**

**- restart apache**

**- name: ensure apache is running**

**service:**

**name: httpd**

**state: started**

**handlers:**

**- name: restart apache**

**service:**

**name: httpd**

**state: restarted**

**Run the below command and observe the changes**

ansible-playbook apache.yml