

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