

Ansible

1. Create the inventory file /etc/ansible/hosts

```
localhost      ansible_connection=local

[webservers]

other1.example.com  ansible_connection=ssh  ansible_user=ec2-user
ansible_ssh_private_key_file=/home/ec2-user/<keyfile name>

other2.example.com  ansible_connection=ssh  ansible_user=ec2-user
ansible_ssh_private_key_file=/home/ec2-user/<keyfile name>
```

2. Disable host key checking in /etc/ansible/ansible.cfg

```
[defaults]

host_key_checking = False
```

3. validate the connection

```
ansible all -m ping

ansible all -a "/bin/echo hello"
```

4. EC2 inventory file

```
wget https://raw.githubusercontent.com/ansible/ansible/devel/contrib/inventory/ec2.py
wget https://raw.githubusercontent.com/ansible/ansible/devel/contrib/inventory/ec2.ini
```

```
cp ec2.py /etc/ansible/ec2.py
chmod +x /etc/ansible/ec2.py
```

```
cp ec2.ini /etc/ansible/ec2.ini
chmod +x /etc/ansible/ec2.ini
```

```
export AWS_ACCESS_KEY_ID='AK123'
export AWS_SECRET_ACCESS_KEY='abc123'
```

```
export EC2_INI_PATH=/path/to/my_ec2.ini
```

```
ansible -i ec2.py -u ec2-user us-east-1d -m ping
```

5. Creating a Playbook

```
vi webservers.yaml
```

```
---
```

```
- hosts: webservers
```

```
vars:
```

```
    http_port: 80
```

```
    max_clients: 200
```

```
remote_user: ec2-user
```

```
tasks:
```

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

```
    yum:
```

```
        name: httpd
```

```
        state: latest
```

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

```
    template:
```

```
        src: /srv/httpd.j2
```

```
        dest: /etc/httpd.conf
```

```
    notify:
```

```
- restart apache
```

```
- name: ensure apache is running
```

```
    service:
```

```
        name: httpd
```

```
        state: started
```

```
handlers:
```

```
- name: restart apache
```

```
    service:
```

```
        name: httpd
```

```
        state: restarted
```

6. Run the Playbook

```
ansible-playbook playbook.yml -f 10
```

Lab 2: Install Wordpress with Ansible

```
git clone https://github.com/ansible/ansible-examples/tree/master/wordpress-nginx_rhel7.git
```

Do modification required

```
ansible-playbook -i /etc/ansible/hosts site.yml
```