

Commands

# Ansible

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TrainWithShubham

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## Installation

```
sudo apt-add-repository ppa:ansible/ansible
```

```
sudo apt update
```

```
sudo apt install ansible
```

## Hosts file

```
sudo nano /etc/ansible/hosts
```

```
ansible-inventory --list -y
```

```
[servers]
```

```
server1 ansible_host=100.26.220.138
```

```
server2 ansible_host=54.210.87.140
```

```
server3 ansible_host=54.236.43.216
```

```
[all:vars]
```

```
ansible_python_interpreter=/usr/bin/python3
```

```
ansible_user=ubuntu
```

```
ansible_ssh_private_key_file=/home/ubuntu/keys/shubham-linux-key.pem
```



## Running commands

ansible all -a "df -h" -u ubuntu

ansible all -m ping -u ubuntu

ansible servers -a "uptime" -u ubuntu

## Playbooks

Date:

-


name: Play Date

hosts: servers

tasks:

- name: Show date

command: date



Nginx Install:

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name: Install Nginx

hosts: servers

become: yes

tasks:

- name: Nginx Installer

apt:

name: nginx

state: latest

- name: Nginx start

service:

name: nginx

state: started

enabled: yes



## Conditional

```
-  
  
hosts: servers  
  
become: true  
  
tasks:  
- name: Install apache  
  apt:  
    name: apache2  
    state: latest  
  
  when: ansible_distribution == 'Debian' or ansible_distribution == 'Ubuntu'  
  
- name: Install httpd  
  yum:  
    name: httpd  
    state: latest  
  
  when: ansible_distribution == 'CentOS' or ansible_distribution == 'Red Hat Enterprise Linux'
```



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