## **| Ansible Configuration |**

**Master**

* 1. docker pull ubuntu:latest
* 2. docker run -dit --name ansible-master ubuntu:latest
* 3. docker exec -it ansible-master bash
* 4. apt update && apt install -y software-properties-common
* 5. apt update && apt install -y python3 python3-pip
* 6. apt install -y ansible
* 7. ansible --version
* 9. apt install -y openssh-client openssh-server
* 10. ssh-keygen -t rsa -b 4096
* 19. ssh root@172.17.0.3
* 24. ssh root@172.17.0.3
* 35. ssh root@172.17.0.3
* 36. echo "ansible-slave ansible\_host=172.17.0.3 ansible\_user=root" > /etc/ansible/hosts
* 37. apt update && apt install -y ansible
* 38. ansible --version
* 39. mkdir -p /etc/ansible
* 40. echo "ansible-slave ansible\_host=172.17.0.3 ansible\_user=root" > /etc/ansible/hosts
* 41. cat /etc/ansible/hosts
* 42. ansible ansible-slave -m ping
* 47. ansible ansible-slave -m ping -u root --ask-pass
* 48. ansible ansible-slave -m shell -a "uptime" -u root –ask-pass
* 49. vi /root/setup.yml
* 50.

- name: Test Ansible Playbook

hosts: ansible-slave

become: yes

tasks:

- name: Update package cache

apt:

update\_cache: yes

- name: Install Nginx

apt:

name: nginx

state: present

- name: Start Nginx manually

command: nginx

* 51. ansible-playbook /root/setup.yml -u root --ask-pass

**Slave**

* 8. docker run -dit --name ansible-slave ubuntu:latest
* 11. docker exec -it ansible-slave bash
* 12. apt update && apt install -y openssh-server
* 13. mkdir -p /root/.ssh
* 14. chmod 700 /root/.ssh
* 17. chmod 600 /root/.ssh/authorized\_keys
* 18. service ssh start
* 25. ls -lah /root/.ssh/
* 26. cat /root/.ssh/authorized\_keys
* 27. chmod 600 /root/.ssh/authorized\_keys
* 28. chmod 700 /root/.ssh
* 29. service ssh restart
* 30. apt install -y vim
* 31. vi /etc/ssh/sshd\_config
* 32. PermitRootLogin yes PasswordAuthentication yes , ESC-> :wq
* 33. service ssh restart
* 34. passwd root
* 43. mv /root/.ssh/authorized\_keys /root/.ssh/authorized\_keys
* 44. chmod 600 /root/.ssh/authorized\_keys
* 45. chmod 700 /root/.ssh
* 46. service ssh restart

**Other Terminal**

* 15. docker cp ansible-master:/root/.ssh/id\_rsa.pub ./id\_rsa.pub
* 16. docker cp ./id\_rsa.pub ansible-slave:/root/.ssh/authorized\_keys
* 20. docker inspect -f '{{range.NetworkSettings.Networks}}{{.IPAddress}}{{end}}' ansible-slave
* 21. docker network create ansible-network
* 22. docker network connect ansible-network ansible-master
* 23. docker network connect ansible-network ansible-slave