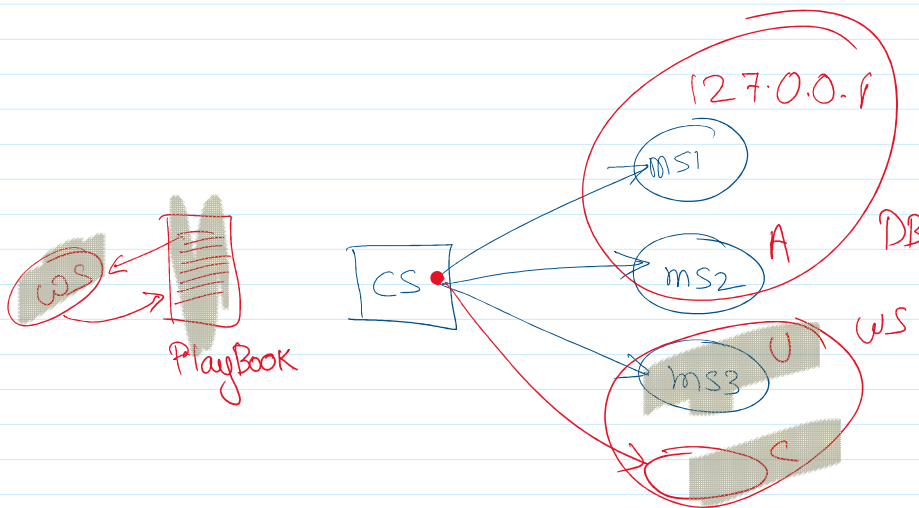


11.21Jul.Ansible Playbooks

Friday, July 21, 2023 3:02 PM

```
#!/bin/bash
sudo apt update
sudo apt install python3-pip -y
sudo mkdir /etc/ansible
sudo bash -c 'cat<<EOF > /etc/ansible/hosts
[ws]
127.0.0.1
EOF'
sudo apt install ansible -y
ssh-keygen -b 3072 -t rsa -f ~/.ssh/sshkey -q -N ""
cat ~/.ssh/sshkey.pub | cat >> ~/.ssh/authorized_keys

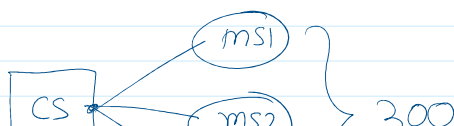
sudo bash -c 'cat<<EOF > ~/.ssh/config
Host *
  User root
  IdentityFile ~/.ssh/sshkey
EOF'
sudo ansible --version > /tmp/ansibleVersion.txt
```

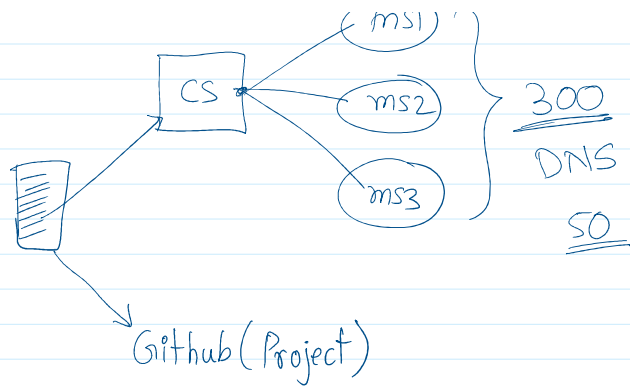


```
---
- hosts: ws

tasks:
- name: Update APT package manager repositories cache
  become: true
  apt:
    update_cache: yes

- name: Install OpenJDK Java
  become: yes
  apt:
    name: "{{ item }}"
    state: present
  with_items:
    openjdk-8-jdk
```





- hosts: ws

become: yes

tasks:

- name: Install MySQL server

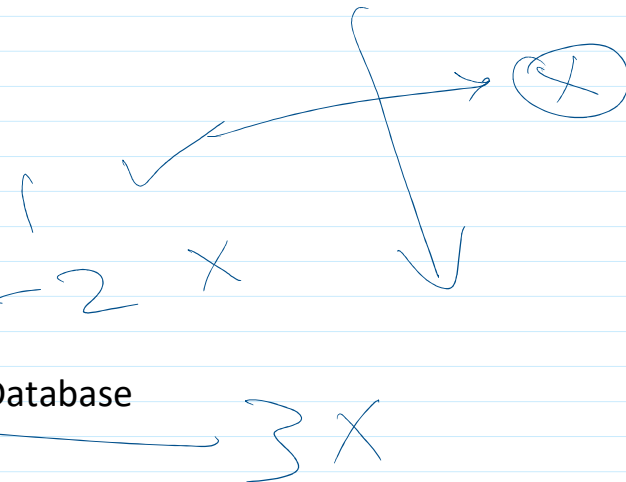
apt: name=mysql-server state=latest

- name: Install Php5 with MySQL

apt: name=php5-mysql state=latest

- name: Install PhpMyAdmin GUI for MySQL Database

apt: name=phpmyadmin state=latest



- name: Uninstall old versions

dnf:

name:

- docker-client

- docker-client-latest

- docker-common

- docker-latest

- docker-latest-logrotate

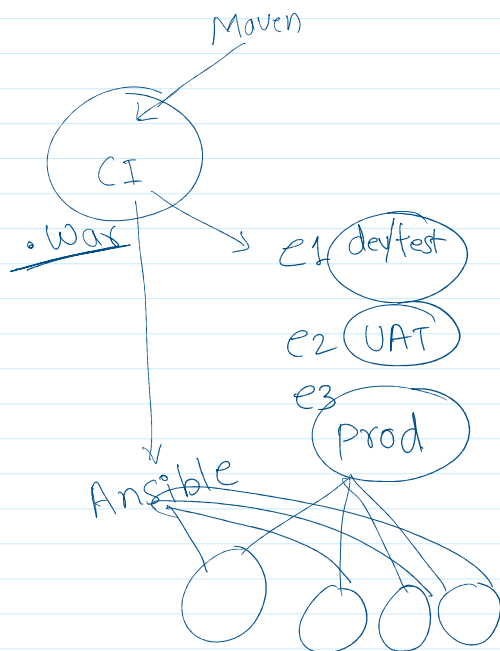
- docker-logrotate

- docker-engine

state: absent



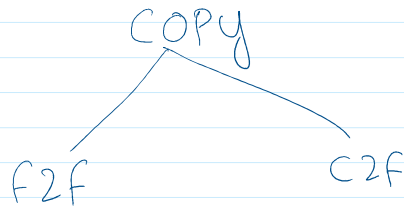
- docker-engine
state: absent



Module: Copy.

src /my@pc/ abc.pem.
dest /h/u.ssh/ abc.pem
Owner: root
group: poweruser.
mode: 0400

copy



welcome → file.

welcome } → /tmp/abc.txt
Ansible }

```
---
# Play1 - WebServer related tasks
- name: Play Web - Create apache directories and username in web servers
  hosts: webservers
  become: yes
  become_user: root
  tasks:
    - name: create username apacheadm
      user:
        name: apacheadm
        group: users,admin
        shell: /bin/bash
        home: /home/weblogic

    - name: install httpd
      yum:
        name: httpd
        state: installed

# Play2 - Application Server related tasks
- name: Play app - Create tomcat directories and username in app servers
  hosts: appservers
  become: yes
  become_user: root
  tasks:
    - name: Create a username for tomcat
      user:
        name: tomcatadm
        group: users
        shell: /bin/bash
        home: /home/tomcat

    - name: create a directory for apache tomcat
      file:
        path: /opt/oracle
        owner: tomcatadm
        group: users
        state: present
        mode: 0755
```