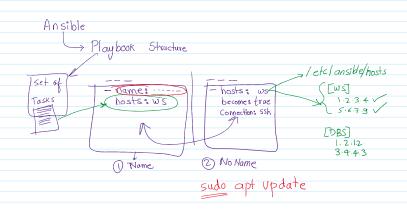
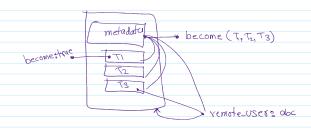
43.25May.Adv Ansible(Roles, Handlers, Variables, Users)

Thursday, May 25, 2023 7:02 PM





1 Order Server

User Data: Install Ansible root (Single Node Cluster)

Shebang (

#!/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 \sim .ssh/sshkey -q -N ""
cat \sim .ssh/sshkey.pub | cat \sim .ssh/authorized_keys
sudo ansible \sim version \sim /tmp/ansibleVersion.txt

2] Connect & Verify Ansible

\$ cat abc.txt --> Correct
OR
\$ sudo cat abc.txt --> Error

\$ sudo bash -c 'COMMAND'



Powershell

Set Key File Variable:

New-Variable -Name Key -Value "\$env:UserProfile\.ssh\id_rsa"

Remove Inheritance: Icacls \$Key /c /t /Inheritance:d # Set Ownership to Owner:

Key's within \$env:UserProfile:

Icacls \$Key /c /t /Grant \${env:UserName}:F

Key's outside of \$env:UserProfile:

TakeOwn /F \$Key

Icacls \$Key /c /t /Grant:r \${env:UserName}:F

Remove All Users, except for Owner:

Icacls \$Key /c /t /Remove:g Administrator "Authenticated Users" BUILTIN\Administrators BUILTIN Everyone System Users

Verify:

Icacls \$Key

Remove Variable:

Remove-Variable -Name Key

CMD

::# Set Key File Variable:
Set Key="%UserProfile%\.ssh\id_rsa"

::# Remove Inheritance:

Icacls %Key% /c /t /Inheritance:d

::# Set Ownership to Owner:

:: # Key's within %UserProfile%: Icacls %Key% /c /t /Grant %UserName%:F

:: # Key's outside of %UserProfile%:

TakeOwn /F %Key%

Icacls %Key% /c /t /Grant:r %UserName%:F

::# Remove All Users, except for Owner:

 $Icacls\ \%Key\%\ /c\ /t\ /Remove:g\ "Authenticated\ Users"\ BUILTIN\ Administrators\ BUILTIN\ Everyone$ System Users

::# Verify:

Icacls %Key%

::# Remove Variable:

set "Key="

GUI:

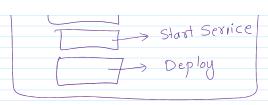
[File] Properties \rightarrow Security \rightarrow Advanced

Owner: The key's user

Permission Entries: Remove all except for the key's user

Set key's user to Full Control

Japhupdate.
Japhupdate.
Japhupdate.
Japhupdate.
Japhupdate.
Japhupdate.
Japhupdate.



- name: Configuring and Deploy Application on container

hosts: ws become: true connection: ssh tasks:

- name: Update Repo command: sudo apt update
- name: Install Docker command: sudo apt install -y docker.io become: yes become_user: root
- name: Start Docker Service command: sudo systemctl start docker become: yes become_user: root

roles main

typical

Yoles > apache

tasks main.ym deploy.yml -connect. ym)

> handlers man, ym)

> > Vars Lemplates

> > > \$ ansible-galaxy init path -- offline

ansible-galaxy init /etc/ansible/roles/apache

- README.md — defaults └─ main.yml — handlers — main.yml — meta — main.yml — tasks ├--- m1.yml - tests ├— inventory └— test.yml – vars └─ main.yml root@csms:/etc/ansible/roles/apache# cat tasks/m1.yml - name: msg1 debug: msg="message1" root@csms:/etc/ansible/roles/apache# cat tasks/main.yml # tasks file for /etc/ansible/roles/apache
- import_tasks: m1.yml
- import_tasks: m2.yml root@csms:/etc/ansible#ls hosts roles runsetup.yml root@csms:/etc/ansible#cat runsetup.yml - hosts: ws roles: - apache root@csms:/etc/ansible#ansible-playbook/etc/ansible/runsetup.yml--syntax-checkroot@csms:/etc/ansible# ansible-playbook /etc/ansible/runsetup.yml