

AD-HOC ANSIBLE and Setting up ANSIBLE

Tuesday, June 21, 2022 1:37 PM

INVENTORY FILE

```
menz ansible_host=192.168.29.128
~
~
~
~
~
~
~
~
~
```

Creating a user in another server using ADHO

```
[root@localhost ansible]# ansible -i inventory menz -m user -a "name=ansible-test2 create_home=yes" -u menz -b -k -K
SSH password:

BECOME password[defaults to SSH password]:
menz | CHANGED => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python"
  },
  "changed": true,
  "comment": "",
  "create_home": true,
  "group": 1005,
  "home": "/home/ansible-test2",
  "name": "ansible-test2",
  "shell": "/bin/bash",
  "state": "present",
  "system": false,
  "uid": 1004
}
```

USING Ansible to change password of created user as root

NOTE: ECHO password | PASSWD --STDIN username

```
[root@localhost ansible]# ansible -i inventory menz -m shell -a "echo password | passwd --stdin ansible" -u root -k
SSH password:
menz | CHANGED | rc=0 >>
Changing password for user ansible.
passwd: all authentication tokens updated successfully.
```

This verifies that, user ansible is created successfully

```
[root@localhost ansible]# ansible -i inventory all -m command -a "id" -u ansible
menz | CHANGED | rc=0 >>
uid=1002(ansible) gid=1003(ansible) groups=1003(ansible) context=unconfined_u:unconfined_r:unconfined_t:s0-s0:c0.c1023
[root@localhost ansible]#
```

PREV ESC

```
[root@localhost ansible]# echo "ansible ALL=(ALL) NOPASSWD: ALL" >/tmp/sudoers
[root@localhost ansible]# cp /tmp/sudoers /etc/sudoers.d/ansible
[root@localhost ansible]# ls -l /root/
total 4
-rw-r--r-- 1 root root 1452 Jun 20 01:23 anaconda-ks.cfg
drwxr-xr-x 2 root root 23 Jun 21 04:40 ansible
```

Copying sudoers file to the manged host by ansible

```
ansible menz -i inventory -u root -k -m copy -a "src=/tmp/sudoers dest=/etc/sudoers.d/ansible"
```

```
[root@localhost ansible]# ansible menz -i inventory -u root -k -m copy -a "src=/tmp/sudoers dest=/etc/sudoers.d/ansible"
SSH password:
menz | CHANGED => {
  "ansible_facts": {
    "discovered_interpreter_python": "/usr/bin/python"
  },
  "changed": true,
  "checksum": "0b3889ee1330f83d148f9373f5faf72ba84e56ef",
  "dest": "/etc/sudoers.d/ansible",
  "gid": 0,
  "group": "root",
  "md5sum": "de6e5026aba3afdf1ae636ccceb77a",
  "mode": "0644",
  "owner": "root",
  "secontext": "system_u:object_r:etc_t:s0",
  "size": 33,
  "src": "/root/.ansible/tmp/ansible-tmp-1655803732.71-49369-144153804468734/source",
  "state": "file",
  "uid": 0
}
```

ansible -i inventory all -m command -a "ls -l /root" -b

```
[ansible@localhost tmp]$ ansible -i inventory all -m command -a "ls -l /root" -b
menz | CHANGED | rc=0 >>
total 20
-rw-----. 1 root root 1429 Jun  9 14:07 anaconda-ks.cfg
-rw-r--r--. 1 root root  54 Jun 15 16:09 tmux-client-37902.log
-rw-r--r--. 1 root root 10591 Jun 15 16:09 tmux-server-37904.log
```

IN MANAGED HOST.

```
[ansible@milan tmp]$ sudo ls -l /root/
total 20
-rw-----. 1 root root 1429 Jun  9 14:07 anaconda-ks.cfg
-rw-r--r--. 1 root root  54 Jun 15 16:09 tmux-client-37902.log
-rw-r--r--. 1 root root 10591 Jun 15 16:09 tmux-server-37904.log
[ansible@milan tmp]$ sudo -l
Matching Defaults entries for ansible on milan:
!visiblepw, always_set_home, match_group_by_gid, always_query_group_plugin, env_reset, env_keep="COLORS DISPLAY
HOSTNAME HISTSIZE KDEDIR LS_COLORS", env_keep+="MAIL PS1 PS2 QTDIR USERNAME LANG LC_ADDRESS LC_CTYPE",
env_keep+="LC_COLLATE LC_IDENTIFICATION LC_MEASUREMENT LC_MESSAGES", env_keep+="LC_MONETARY LC_NAME LC_NUMERIC
LC_PAPER LC_TELEPHONE", env_keep+="LC_TIME LC_ALL LANGUAGE LINGUAS _XKB_CHARSET XAUTHORITY",
secure_path=/sbin\:/bin\:/usr/sbin\:/usr/bin

User ansible may run the following commands on milan:
(ALL) NOPASSWD: ALL
```

PLAYBOOK

Wednesday, June 22, 2022 11:54 AM

PLAY BOOK

We need to describe FileType for YAML

```
ansible@localhost:tmp/ansit X + v
autocmd FileType yaml setlocal ai ts=2 sw=2 et|
~
~
~
~
```

```
ansible@localhost:tmp/a X + v
[ansible@localhost ansible]$ vim ~/.vimrc
[ansible@localhost ansible]$ |
```

PRINTING HELLO WORLD FORM PLAY BOOK TO MANAGE HOST

```
name: print hello world
hosts: menz
tasks:
-
  debug:
    msg: "hello world"
    name: task1
~
~
~
~
~
"sample.yaml" 8L, 109C 4,3 All |
```

```
[ansible@localhost playbooks]$ ansible-playbook -i /tmp/ansible/inventory sample.yaml
PLAY [print hello world] *****
TASK [Gathering Facts] *****
ok: [menz]

TASK [task1] *****
ok: [menz] => {
  "msg": "hello world"
}

PLAY RECAP *****
menz : ok=2 changed=0 unreachable=0 failed=0 skipped=0 rescued=0 ignor
ed=0

[ansible@localhost playbooks]$ |
```