**1. Create a user account named john with uid 2001 : user**

Playbook

[student@control1 ansible]$ cat newuser.yml

---

- name: Create a new user in the servers group

hosts: servers

tasks:

- name: Create the user John

user:

user: john

state: present

uid: 2001

[student@control1 ansible]$

Output:

[student@control1 ansible]$ ansible servers -m command -a "id john"

host1.example.com | CHANGED | rc=0 >>

uid=2001(john) gid=2001(john) groups=2001(john)

host2.example.com | CHANGED | rc=0 >>

uid=2001(john) gid=2001(john) groups=2001(john)

------------------------------------------------------------------

2. Create a playbook with a single play and with multiple tasks

Tasks:

a. copy the local.repo file from the files directory to /etc/yum.repos.d/ directory of the managed hosts : copy

b. install the package called httpd : yum

c. create the default document with content as "Hello World" and copy it to /var/www/html directory as index.html : copy

c. start the httpd service and ensure it will start automatically when the systems reboot : service

d. allow firewall to provide access to the web site : firewalld

e. Do it on host1.example.com

-------------------------------------------------------------------

Playbook

[student@control1 ansible]$ cat newuser.yml

---

- name: Create a new user in the servers group

hosts: servers

tasks:

- name: Create the user John

user:

user: john

state: present

uid: 2001

[student@control1 ansible]$ cat install\_http.yml

---

- name: Install http package on host1.example.com and run apache web server

hosts: host1.example.com

tasks:

- name: Install the httpd package

yum:

name: httpd

state: latest

- name: Create and copy the default document

copy:

content: "Hello World"

dest: /var/www/html/index.html

- name: Start web server

service:

name: httpd

state: started

enabled: true

- name: enable firewall

firewalld:

service: http

permanent: yes

state: enabled

- name: Test the access to the web site

hosts: localhost

become: no

tasks:

- name: Connect to the host1.example.com web site

uri:

url: http://host1.example.com

status\_code: 200

return\_content: true

[student@control1 ansible]$

Output:

[student@control1 ansible]$ ansible host1.example.com -m command -a "service httpd status"

[WARNING]: Consider using the service module rather than running 'service'. If you need to use command because service is insufficient you can add 'warn: false' to this command

task or set 'command\_warnings=False' in ansible.cfg to get rid of this message.

host1.example.com | CHANGED | rc=0 >>

● httpd.service - The Apache HTTP Server

Loaded: loaded (/usr/lib/systemd/system/httpd.service; enabled; vendor preset: disabled)

Active: active (running) since Wed 2021-04-28 06:51:32 EDT; 9min ago

Docs: man:httpd.service(8)

Main PID: 6839 (httpd)

Status: "Running, listening on: port 80"

Tasks: 213 (limit: 4928)

Memory: 32.7M

CGroup: /system.slice/httpd.service

├─6839 /usr/sbin/httpd -DFOREGROUND

├─6855 /usr/sbin/httpd -DFOREGROUND

├─6856 /usr/sbin/httpd -DFOREGROUND

├─6857 /usr/sbin/httpd -DFOREGROUND

└─6858 /usr/sbin/httpd -DFOREGROUND

Apr 28 06:51:32 host1.example.com systemd[1]: Starting The Apache HTTP Server...

Apr 28 06:51:32 host1.example.com systemd[1]: Started The Apache HTTP Server.

Apr 28 06:51:32 host1.example.com httpd[6839]: Server configured, listening on: port 80Redirecting to /bin/systemctl status httpd.service

[student@control1 ansible]$ ansible host1.example.com -m command -a "ls -a /var/www/html"

host1.example.com | CHANGED | rc=0 >>

.

..

index.html

[student@control1 ansible]$ ansible host1.example.com -m command -a "curl host1.example.com"

[WARNING]: Consider using the get\_url or uri module rather than running 'curl'. If you need to use command because get\_url or uri is insufficient you can add 'warn: false' to this

command task or set 'command\_warnings=False' in ansible.cfg to get rid of this message.

host1.example.com | CHANGED | rc=0 >>

Hello World % Total % Received % Xferd Average Speed Time Time Time Current

Dload Upload Total Spent Left Speed

100 11 100 11 0 0 1833 0 --:--:-- --:--:-- --:--:-- 1833

Website:

