Creating File:

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# ansible -m file -a 'path=/tmp/surekha.txt state=present' all

# YAML - yet another markup lang

- name: create at new file and delete it.

hosts: all

tasks:

- name: create username file in tmp directory

file:

path: '/tmp/surekha.txt'

state: touch

- name: copy ansible hosts file on every node

copy:

src: '/etc/ansible/hosts'

dest: '/tmp'

# touch hello.yml

# gedit or vi hello.yml

# :wq

# ansible-playbook hello.yml

# which apache2

Install:

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- name: install httpd packages and update sample webpage and start service

hosts: all

become: yes # root user going to excute

tasks:

- name: Update all packages to their latest version

apt:

name: "\*"

state: latest

- name: Install apache2 httpd (state=present is optional)

apt:

name: apache2

state: present

- name: Copy index test page

copy:

src: "index.html"

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

force: yes

- name: Restart Apache

service:

name: apache2

state: restarted

#Go to Node VM,

- To Check apache2 is installed type: $which apache2 = /usr/sbin/apache2

$cd /usr

$cd /sbin

$ls = Check in middle there will be a apche file

$cd /var/www/htmlcd

$ls = Shows index.html

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Update:

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# which apache2

- name: install httpd packages and update sample webpage and start service

hosts: all

become: yes # root user going to excute

tasks:

- name: Update all packages to their latest version

apt:

name: "\*"

state: latest

- name: Install apache2 httpd (state=present is optional)

apt:

name: apache2

state: present

- name: Copy index test page

copy:

src: "index.html"

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

force: yes

- name: Restart Apache

service:

name: apache2

state: restarted

#Go to Node VM,

- To Check Ubuntu is installed type: $which apache2 = /usr/sbin/apache2

$cd /usr

$cd /sbin

$ls = Check in middle there will be a apche file

$cd /var/www/htmlcd

$ls = Shows index.html

- To check your default webpage: Go to Mozilla Firefox and type localhost, it shows your index.html page.

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Git Install:

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- name: Install git on all nodes

hosts: all

become: yes

tasks:

- name: Install Git

apt:

name: git

state: present

update\_cache: yes

#Then go to Node VM and type $git --version - Displays Version

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To Create Multiple Users in a Node VM using Loop:

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- name: learn loop inside playbook

hosts: all

become: yes

tasks:

- name: Add several users on nodes

ansible.builtin.user:

name: "{{ item }}"

state: present

loop:

- testuser1

- testuser2

- nighp

- foo

# In Control VM = $ansible-playbook loop2.yml -K

# In Node VM = $cd /home

$ls - Displays all created users

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Declaring and Initializing a Variable:

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- name: learn varibale declation and usage inside playbook

hosts: all

become: yes

vars:

package: apache2

user\_allowed: true

tasks:

- name: We are unstall {{package}}

apt:

name: { { package } }

state: absent

- name: should not present {{package}}

service:

name: apache2

state: stopped

# Go to Node VM: $sudo systemctl status apache2 - It displays the status of apache2

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