

TASKS TO BE PERFORMED

You must be having two managed hosts and on control node.

Create user ansible on managed hosts and set it's password to ansible@123 [ansible user must be sudo privileged user]

Create project directory under /home/ansible by the name of "ProjectA1". Create ansible.cfg file and inventory file in order to manage both managed hosts from ansible user. One managed host would be member of "prod" group and another one would be member of "test" group. Both the group should be the member of one nested group named "office"

Create a playbook by the name users.yml where you have to perform the given tasks. Create 10 users on managed hosts by the name of Ben stark lucifer Sam Betty Joe Jeff Apple Papaya Banana and the password for all the users should be Redhat@123.

Create another playbook By the name of package.yml in project directory which specify that httpd should be installed on hosts of prod group and Nginx should be installed on hosts of test group.

Create another playbook by the name of backup.yml which specify that you have to take backup of /etc under /home/backup/etc.backup.tar [create directory if not present] you can use any compression method.

Create playbook by the name of file.yml which specify that you have to Create directory by the name of India under /home and a file by the name of Bharat. The file Bharat should have the following contents inside it "Patriotism what india need now".

Create Playbook by the name of copy.yml which specify that You have to copy /home/Bharat to /usr/Asia as Bharat.txt . But the above task should only be performed when there is already a directory by the name of Asia under /usr. If /usr/Asia is not present file copy should not be done. Handlers should be forcefully executed.

Create a playbook by the name of nginx.yml which specify configuration of webserver. Make sure nginx should be installed only when httpd service is disabled. The content should be visible over the website would be " This is the Nginx webserver hosted on "hostname" with IP Address "IP address" of the system" . But you have to specify that above task can only be performed if distribution version of managed host is "Redhat". [use templates for content creation]

Create role by the name of webserver where you have to create code environment in order to launch webserver based on apache httpd. Service httpd should only be enabled only when nginx is disabled [you have to specify in playbook]. The content should be visible over website would be " This is the Apache httpd webserver hosted on "hostname" with IP Address " IP address" of the system" you can use playbook httpd.yml in order to execute this role.

NOTE: before going through the below task add addition hard disk with a size of 2GB

Create another role by the name of partition and create code environment in order to create 2 partition of the secondary hard disk with the size of 800 MB each. One Partition should be used for lvm and another onw should be used as swap space. You can use playbook "partition.yml" for execution of the given task.