Using Ansible Conditionals

The Nautilus DevOps team had a discussion about, how they can train different team members to use Ansible for different automation tasks. There are numerous ways to perform a particular task using Ansible, but we want to utilize each aspect that Ansible offers. The team wants to utilise Ansible's conditionals to perform the following task:

An inventory file is already placed under /home/thor/ansible directory on jump host, with all the Stratos DC app servers included.

Create a playbook /home/thor/ansible/playbook.yml and make sure to use Ansible's when conditionals statements to perform the below given tasks.

1. Copy blog.txt file present under /usr/src/data directory on jump host to App Server 1 under /opt/data directory. Its user and group owner must be user tony and its permissions must be 0755 .
2. Copy story.txt file present under /usr/src/data directory on jump host to App Server 2 under /opt/data directory. Its user and group owner must be user steve and its permissions must be 0755 .
3. Copy media.txt file present under /usr/src/data directory on jump host to App Server 3 under /opt/data directory. Its user and group owner must be user banner and its permissions must be 0755 .

NOTE: You can use ansible\_nodename variable from gathered facts with when condition. Additionally, please make sure you are running the play for all hosts i.e use - hosts: all.

Note: Validation will try to run the playbook using command ansible-playbook -i inventory playbook.yml, so please make sure the playbook works this way without passing any extra arguments.

SOLUTION

Vi /home/thor/ansible/playbook.yml

- name: Copy text files to Appservers

hosts: all

become: yes

tasks:

- name: Copy blog.txt to stapp01

ansible.builtin.copy:

src: /usr/src/dba/blog.txt

dest: /opt/dba/

owner: tony

group: tony

mode: "0755"

when: inventory\_hostname == "stapp01"

- name: Copy story.txt to stapp02

ansible.builtin.copy:

src: /usr/src/dba/story.txt

dest: /opt/dba/

owner: steve

group: steve

mode: "0755"

when: inventory\_hostname == "stapp02"

- name: Copy media.txt to stapp03

ansible.builtin.copy:

src: /usr/src/dba/media.txt

dest: /opt/dba/

owner: banner

group: banner

mode: "0755"

when: inventory\_hostname == "stapp03"

ansible-playbook -I inventory playbook.yml