Ansible LineINFile Module

The Nautilus DevOps team want to install and set up a simple httpd web server on all app servers in Stratos DC. They also want to deploy a sample web page using Ansible. Therefore, write the required playbook to complete this task as per details mentioned below.

We already have an inventory file under /home/thor/ansible directory on jump host. Write a playbook playbook.yml under /home/thor/ansible directory on jump host itself. Using the playbook perform below given tasks:

1. Install httpd web server on all app servers, and make sure its service is up and running.
2. Create a file /var/www/html/index.html with content:

This is a Nautilus sample file, created using Ansible!

1. Using lineinfile Ansible module add some more content in /var/www/html/index.html file. Below is the content:

Welcome to Nautilus Group!

Also make sure this new line is added at the top of the file.

1. The /var/www/html/index.html file's user and group owner should be apache on all app servers.
2. The /var/www/html/index.html file's permissions should be 0655 on all app servers.

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

- name: Install httpd and setup index.html

hosts: stapp01, stapp02, stapp03

become: yes

tasks:

- name: Install httpd

package:

name: httpd

state: present

- name: Start service httpd, if not started

service:

name: httpd

state: started

- name: Add content in index.html. Create file if it does not exist and set file attributes

copy:

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

content: This is a Nautilus sample file, created using Ansible!

mode: "0755"

owner: apache

group: apache

- name: Update content in index.html

lineinfile:

path: /var/www/html/index.html

insertbefore: BOF

line: Welcome to xFusionCorp Industries!