MANAGING ACLs USING ANSIBLE

There are some files that need to be created on all app servers in Stratos DC. The Nautilus DevOps team want these files to be owned by user root only; however, they also want that app-specific user to have a set of permissions to these files. All tasks must be done using Ansible only, so they need to create a playbook. Below you can find more information about the task.

Create a playbook.yml under /home/thor/ansible on jump host, an inventory file is already present under /home/thor/ansible on Jump Server itself.

Create an empty file blog.txt under /opt/sysops/ directory on app server 1. Set some acl properties for this file. Using acl provide read '(r)' permissions to group tony (i.e entity is tony and etype is group).

Create an empty file story.txt under /opt/sysops/ directory on app server 2. Set some acl properties for this file. Using acl provide read + write '(rw)' permissions to user steve (i.e entity is steve and etype is user).

Create an empty file media.txt under /opt/sysops/ on app server 3. Set some acl properties for this file. Using acl provide read + write '(rw)' permissions to group banner (i.e entity is banner and etype is group).

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

SOLUTION

Cd /home/thor/ansible

**ansible all -a "ls -ltr /opt/sysops/" -i inventory**

vi playbook.yml

- name: Create file and set ACL in Host 1

hosts: stapp01

become: yes

tasks:

- name: Create the blog.txt on stapp01

file:

path: /opt/sysops/blog.txt

state: touch

- name: Set ACL for blog.txt

acl:

path: /opt/sysops/blog.txt

entity: tony

etype: group

permissions: r

state: present

- name: Create file and set ACL in Host 2

hosts: stapp02

become: yes

tasks:

- name: Create the story.txt on stapp02

file:

path: /opt/sysops/story.txt

state: touch

- name: Set ACL for story.txt

acl:

path: /opt/sysops/story.txt

entity: steve

etype: user

permissions: rw

state: present

- name: Create file and set ACL in Host 3

hosts: stapp03

become: yes

tasks:

- name: Create the media.txt on stapp03

file:

path: /opt/sysops/media.txt

state: touch

- name: Set ACL for media.txt

acl:

path: /opt/sysops/media.txt

entity: banner

etype: group

permissions: rw

state: present

ansible-playbook -i inventory playbook.yml

ansible all -a "ls -ltr /opt/sysops/" -i inventory