Writing Multiple Plays

Introduction:

A playbook is a YAML file containing a list of one or more plays. Remember that a single play is an ordered list of tasks to execute against hosts selected from the inventory. Therefore, if a playbook contains multiple plays, each play may apply its tasks to a separate set of hosts. This can be very useful when orchestrating a complex deployment which may involve different tasks on different hosts. You can write a playbook that runs one play against one set of hosts, and when that finish runs another play against another set of hosts.

Objectives:

• Writing multiple plays in a single playbook

In this Lab you will create a playbook containing **Multiple Plays** then use it to perform configuration tasks on managed hosts.

1.1 Create a new playbook /root/playbook/multi/intranet.yaml, and add lines needed to start the first play. it should target the managed host ansi-node1.example.com and enable privilege escalation.

```
# mkdir multi
# cd multi
```

Let us download the yaml from GitHub

```
# wget
https://raw.githubusercontent.com/EyesOnCloud/ansible/main/i
ntranet.yaml
```

Output:

Output:

```
name: Enable intranet services
hosts: ansi-nodel
become: yes
tasks:
      - name: latest version of httpd and firewalld installed
        dnf:
          name:
            - httpd
            - firewalld
          state: latest
      - name: test html page is installed
        copy:
          content: "welcome to the example.com intranet! \n"
          dest: /var/www/html/index.html
      - name: firewalld enabled and running
        service:
          name: firewalld
          enabled:
          state: started
      - name: firewalld permits access to httpd service
        firewalld:
          service: http
          permanent:
          state: enabled
          immediate: yes
      - name: httpd enabled and running
        service:
          name: httpd
          enabled:
          state: started
name: Test intranet web server
hosts: localhost
become: no
tasks:
      - name: connect to intranet web server
        uri:
          url: http://ansi-nodel.example.com
          return content: yes
```

1.2 Run the ansible-playbook –syntax-check command to verify the syntax of the /home/devops/multi/intranet.yml playbook:

```
# ansible-playbook --syntax-check intranet.yaml
```

Output:

```
[root@ansi-master multi]# ansible-playbook --syntax-check intranet.yaml
playbook: intranet.yaml
```

Let's run the play book

```
# ansible-playbook intranet.yaml
```

Output:

1.6 Lets execute the playbook using the -v option to output detailed results for each task.

```
# ansible-playbook -v intranet.yaml
```

Output:

1.7 Use the curl command to verify that ansi-node1 is configured as an HTTPD server.

```
# curl ansi-node1:80
```

Output:

[root@ansi-master multi]# curl ansi-node1:80
welcome to the example.com intranet!