Lab: Implementing Multiple Tasks in a Play

Introduction:

A play consists of one or more tasks in an order they should get executed against a set of hosts or a single host based on the configuration specified.

Objectives:

- **Deploying nginx server using Play**

1. Deploying nginx web server using Play

1.1 Let's create a play with the name **play2.yml** which install the nginx package on the eoc-node2.

1.2 Let's deploy the task to host eoc-node2.

```
1   - hosts: eoc-node2
2     become: yes
3     tasks:
```

Task1---> Lets install the nginx servers.

```
4       - name: installing nginx server
5         yum:
6            name: nginx
7            state: latest
```

Task2---> Lets enable the nginx service.

```
8       - name: enabling and startig the service
9         service:
10           name: nginx
11           enabled: true
12           state: started
```

Task3---> Let's update and add some content to default serving page of httpd package on the webserver group (Managed hosts) by creating play.

```
13      - name: write the nginx config file
14        copy:
15           content: "Implementing Multiple Plays! \n"
16           dest: /usr/share/nginx/html/index.html
```

```
# cat -n play2.yml
```

Output:

```
[admin@eoc-controller ~]$ cat -n play2.yml
     1  - hosts: eoc-node2
     2    become: yes
     3    tasks:
     4      - name: installing nginx server
     5        yum:
     6          name: nginx
     7          state: latest
     8      - name: enabling and starting the service
     9        service:
    10          name: nginx
    11          enabled: true
    12          state: started
    13      - name: write the nginx config
    14        copy:
    15          content: "Implementing Multiple Plays! \n"
    16          dest: /usr/share/nginx/html/index.html
```

1.3 Let's verify the syntax.

```
# ansible-playbook --syntax-check play2.yml
```

Output:

```
[admin@eoc-controller ~]$ ansible-playbook --syntax-check play2.yml

playbook: play2.yml
```

1.4 Let's run the task which install the httpd package on webserver hosts.

```
# ansible-playbook play2.yml
```

Output:

```
[admin@eoc-controller ~]$ ansible-playbook play2.yml

PLAY [eoc-node2] **********************************************************

TASK [Gathering Facts] ***************************************************
ok: [eoc-node2]

TASK [installing nginx server] *******************************************
changed: [eoc-node2]

TASK [enabling and startig the service] **********************************
changed: [eoc-node2]

TASK [write the nginx config file] ***************************************
changed: [eoc-node2]

PLAY RECAP ***************************************************************
eoc-node2                  : ok=4    changed=3    unreachable=0    failed=0    skippe
d=0    rescued=0    ignored=0
```

1.5 Let's verify the **eoc-node2** host by executing below command.

```
# curl eoc-node2
```

Output:

```
[admin@eoc-controller ~]$ curl eoc-node2
Implementing Multiple Plays!
```