UPES

System Provisioning and Configuration Module Lab

Working with Hosts and Groups

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Lab Exercise 02

Working With Hosts and Groups

> **Objective:** To work with hosts both individually and in groups for streamlined management and deployment across your network infrastructure
>
> **Tools required:** Ubuntu OS
>
> **Prerequisites:** You need to have Ansible, and the nodes connected with it installed to proceed with this demo. Refer Demo 1 of Lesson 3.

Steps to be followed:
1. List the hosts present in your host file
2. Create a file on the host
3. Remove the file from the host
4. Create and remove the file on the hosts using the group
5. Update the hosts using the group

Step 1: List the hosts present in your host file

1.1 Use the following command to list the hosts in your inventory file:

ansible all --list-hosts

```
[ec2-user@ip-172-31-3-184 ~]$ ansible all --list-hosts
  hosts (3):
    172.31.2.18
    172.31.1.82
    localhost
[ec2-user@ip-172-31-3-184 ~]$
```

i-01aece664b34b6423 (ANSIBLE-SERVER)

PublicIPs: 13.203.86.113   PrivateIPs: 172.31.3.184

Step 2: Create a file on the host

2.1 Use the following command to list the contents of the current working directory:

ansible 172.31.3.184 -a "ls"

> **Note:** You can create the file on any other host as per your host list.

2.2 Use the following command to create a file named **file1** on the host:

ansible 172.31.3.184 -a "touch file1"

Step 3: Remove the file from the host

3.1 Now, run the following command to remove the file from the host:

ansible 172.31.44.85 -a "rm file1"

i-01aece664b34b6423 (ANSIBLE-SERVER)

Step 4: Create and remove the file on the hosts using the group

4.1 Run the following command to create a new file on both the hosts using the group:

ansible spcm -a "touch Ansible_learners"

4.2 Use the following command to list the contents of the current working directory of all the hosts present in the group:

ansible spcm -a "ls"

4.3 Run the following command to remove the file on both hosts using the group:

ansible spcm -a "rm Ansible_learners"