**Lesson 3 Demo 2**

**Host and Groups Configuration**

**Objective:** To configure the hosts individually as well as with the help of group

**Tools required:** Ansible

**Prerequisites:** You need to have Ansible installed and the nodes connected with it in order to proceed with this demo. If you don’t have it installed and nodes connected with it, refer to Demo 1 of Lesson 3

Steps to be followed:

1. Installing Ansible on main node (Ansible server)
2. Adding host and groups to hosts file
3. Establishing the connectivity between the hosts specified in the host file and the ansible server
4. Listing the hosts present in your host file
5. Creating a file on the host
6. Removing a file from the host
7. Creating a file on the hosts using group
8. Removing a file from the hosts using group
9. Updating the hosts using group

**Step 1: For ansible installation on the main node, for Adding host to hosts file and for Establishing the SSH connectivity between the hosts specified in the host file and the ansible server**

1.1 Refer Demo 3.1 of lesson 3 for the above steps

**Step 2: List the hosts present in your host file**

2.1 use the following command in order to list the hosts in your inventory file

**ansible all –lists-hosts**

**![Graphical user interface, text, application

Description automatically generated]()**

**Step 3: Create a file on the host**

3.1 use the following command to list the contents of current working directory of the host

**ansible 172.31.28.129 -a “ls”**

3.2 use the following command to create a file named file1 on the host (172.31.28.129)

**ansible 172.31.28.129 -a “touch file1”**

**![Text

Description automatically generated]()**

**Step 4: Removing a file from the host**

4.1 use the following command to list the contents of current working directory of the host

**ansible 172.31.28.129 -a “ls”**

4.2 use the following command to create a file named file1 on the host (172.31.28.129)

**ansible 172.31.28.129 -a “rm file1”**

**![Text

Description automatically generated]()**

**Step 5: Create a file on the hosts using group**

5.1 use the following command to create a new file on both the hosts using groups

**Ansible dbservers -a “touch Ansible\_learners”**

5.2 use the following command to list the contents of current working directory of the all the host present in the group

**Ansible dbservers -a “ls”**

![Graphical user interface, text, application, letter, email

Description automatically generated]()

**Step 6: Remove a file from the hosts using group**

6.1 use the following command to remove a file on both the hosts using groups

**Ansible dbservers -a “touch Ansible\_learners”**

6.2 use the following command to list the contents of current working directory of the all the host present in the group

**Ansible dbservers -a “ls”**

![Graphical user interface, text, application

Description automatically generated]()

**Step 7: Updating the hosts using group**

7.1 use the following command to update both the hosts using groups

**Ansible dbservers -a “sudo apt-get update”**

**![Text

Description automatically generated]()**

**![Text, letter

Description automatically generated]()**

**Note**: Here we are getting warning statement just because we are updating the nodes using Ad-hoc commands and it is generally preferred to update the hosts using modules or playbook