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**Lesson 3 Lesson-End Project**

**Simplification of Inventory with ranges**

**Project Agenda:** To do simplification of Inventory with ranges

**Description:** Ansible works against multiple managed nodes or hosts in your infrastructure at the same time, using a list or group of lists known as inventory. Once your inventory is defined, you use ranges to select the hosts you want Ansible to run against.

**Tools required:** Ansible

**Prerequisites:** You will need to have successfully completed Lesson 3 Demo 1 & Lesson 3 Demo 1 before proceeding with this demo.

**Expected Deliverables:**

**Steps to be followed:**

1. Install Ansible on main node (Ansible server)
2. Add host and groups to hosts file
3. Establish the connectivity between the hosts specified in the host file and the ansible server
4. Configuring the hosts by using range-based access

**Step 1: Install ansible on the main node**

1.1 Refer the demo 1 of lesson 3 to install ansible

**Step 2: Add host to hosts file**

2.1 Refer the demo 1 of lesson 3 and create the same group dbservers and add the hosts in it

**Step 3: Establish the connectivity between the hosts specified in the host file and the ansible server**

3.1 Refer the demo 1 of lesson 3 for the same

**Step 4: Configuring the hosts by using range based access**

4.2 use the following command to create a file named Simplilearn on the hosts which are present under the dbservers group

**ansible dbservers[0:1] -a “touch Simplilearn”**

4.1 use the following command to list the contents of current working directory of the hosts present in the dbservers group

**ansible dbservers[0:1] -a “ls”**

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4.3 use the following command to remove a file named Simplilearn from all the hosts which are present under the dbservers group

**ansible dbservers[0:1] -a “touch Simplilearn”**

4.4 use the following command to list the contents of current working directory of the all the hosts which are present under the dbservers group

**ansible dbservers[0:1] -a “ls”**

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

**ansible dbservers[0:1] -a “sudo apt-get update”**

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