Ansible Ad-hoc Commands

➢ We can execute our required task(s) or operation(s) on managed node(s) in two ways with Ansible
➢ They are:
  ➢ 1. Using Ansible Ad-hoc Commands / Ansible CLI Commands
  ➢ 2. Using Ansible-Playbooks
  ➢ Note: There is one more way, Using Shell Scripts with Ansible Ad-hoc Commands
➢ <u>Ansible Ad-hoc Commands or Ansible CLI Commands:</u>
  ➢ Ansible Ad-hoc commands are like Unix/Linux commands
  ➢ Ansible Ad-hoc commands starts with **ansible** command
  ➢ We can execute only one task or operation at a time using Ansible Ad-hoc commands
  ➢ We preferer to use Ad-hoc commands for simple tasks or if there is one-time activity
➢ <u>Ansible-Playbooks:</u>
  ➢ Ansible Playbooks are like Shell Scripting/Python Scripting
  ➢ we have to run Ansible-Playbooks using **ansible-playbook** command
  ➢ We can execute any number of tasks or operations using Ansible-Playbooks
  ➢ We prefer to use Ansible-Playbooks for repetitive tasks
➢ Note: Ansible ad-hoc commands or Ansible playbooks needs modules to execute tasks/operations

Ansible and Ansible-Playbooks For Automation

What is a Module ?

➢ **Module is a small program to complete/execute our task on remote servers**

➢ **Module Name is (from 2.10):** **nameSpace.collection.module**

➢ **List Available Modules:** **ansible-doc -l**

➢ **No of Available Modules:** **ansible-doc -l | wc –l**

➢ **Search for required module:** **ansible-doc -l | grep <module/SearchString>**

➢ **Get help/documentation for your required module:** **ansible-doc <moduleName>**

➢ **Ad-hoc command syntax with module:**

    ➢ **ansible <host-pattern> -m <moduleName> [<-a arguments>]**

SSH Connection

Remote Server-1

Remote Server-2

Ansible

Remote Server-3

Ansible Admin / Ansible Controller Node

Remote Server-N

Ansible Managed Nodes

Ansible and Ansible-Playbooks For Automation