Configuring Ansible Control Node

- **Install required packages**

- **Create a static host inventory file**

- **Create a configuration file**

- **Create and use static inventories to define groups of hosts**

- **Manage parallelism**

Installing Ansible Version 2.8

We will uninstall **ansible 2.9** already installed on **ansible-c**.

Before uninstalling ansible , we will save copy of ansible config file under **/tmp** directory for reference.

To uninstall ansible , We will execute below command:

dnf remove ansible

After **ansible 2.9** is uninstalled, we will install **ansible 2.8** using **pip**:

pip3 install ansible==2.8

Task: Configure ansible configuration file with following default values.

- Ansible config file must be created in subdirectory **tasks** in **ansible user's home directory**.

- Roles directory path should be **/home/ansible/tasks/roles,** in addition default path should also be considered.

- Inventory file with name **mnodes** should exist on path **/home/ansible/tasks**.

- **Remote port 22** should be used for SSH connection.

- User **ansible** should be used to connect to remote hosts.

- Privilege escalation must be disabled.

- Default module must be **command** module.

- Ansible should start 5 forks.

Execute commands as ansible user:
mkdir /home/ansible/tasks
vim /home/ansible/tasks/ansible.cfg
[defaults]
inventory = /home/ansible/tasks/mnodes
roles_path = /etc/ansible/roles:/home/ansible/tasks/roles
remote_port = 22
remote_user = ansible
module_name = command
forks = 5
[privilege_escalation]
become = False

Task. Create inventory file 'mnodes' on the path defined in ansible config file with below requirements.

- **mhost1** must be part of host group **prod1**.

- **mhost2** must be part of host group **prod2**.

- **mhost3** and **mhost4** must be part of **webservers** group.

- **prod1** and **prod2** must be part of **prod** group.

- group **linux** should include all managed hosts.

- Make sure all hostnames used can be resolved to IP Address.

```
vim /home/ansible/tasks/mnodes
[prod1]
mhost1
[prod2]
mhost2
[webservers]
mhost[3:4]
[prod:children]
prod1
prod2
[linux:children]
prod
webservers
```