

# Ansible Task-2

## 1. Install Ansible-Navigator.

```
yum install python3-pip
```

```
python3 -m pip install ansible-navigator --user
```

```
echo 'export PATH=$HOME/.local/bin:$PATH' >> ~/.profile  
source ~/.profile
```

```
ansible-navigator
```

```
[root@localhost ~]# ansible-navigator
-----
Execution environment image and pull policy overview
-----
Execution environment image name: ghcr.io/ansible/creator-ee:v0.22.0
Execution environment image tag: v0.22.0
Execution environment pull arguments: None
Execution environment pull policy: tag
Execution environment pull needed: True
-----
Updating the execution environment
-----
Running the command: podman pull ghcr.io/ansible/creator-ee:v0.22.0
Trying to pull ghcr.io/ansible/creator-ee:v0.22.0...
Getting image source signatures
Copying blob 600b306c9749 done
Copying blob 92e1f4a92098 done
Copying blob 32db66e6bbce done
Copying blob ca6ff2c3ecc4 [=>-----] 2.3MiB / 37.2MiB
Copying blob 2764fac24a7d done
Copying blob 2941e6fd2bc [------] 1.7MiB / 248.1MiB
Copying blob d419ad167630 done
Copying blob 05a232cb5cea done
Copying blob 7b03b9e3c798 [=>-----] 1.5MiB / 31.2MiB
Copying blob be915b595e0a [=====] 1.5MiB / 2.5MiB
Copying blob 1a57afb20498 done
Copying blob 25380a2f785a done
Copying blob 09f2372dbd92 done
```

```
vim ansible-navigator.yml
```

```
---
ansible-navigator:
  execution-environment:
    image: ghcr.io/ansible/creator-ee:v0.22.0
    pull:
      policy: missing
  playbook-artifact:
    enable: false
```

2. Create a file called packages.yml in /home/sandy/ansible to install packages httpd, mod\_ssl, and mariadb.

```
cd /home/sandy/ansible
```

```
vim packages.yml
```

```
---
- name: packages
  hosts: all
  tasks:
    - name: packages
      yum:
        name:
          - httpd
          - mod_ssl
          - mariadb
```

```
ansible-navigator run -m stdout packages.yml
```

```
[root@localhost ansible]# ansible-navigator run -m stdout packages.yml
PLAY [packages] *****
TASK [Gathering Facts] *****
ok: [192.168.1.112]
ok: [192.168.1.114]
ok: [192.168.1.115]
TASK [packages] *****
ok: [192.168.1.115]
ok: [192.168.1.114]
ok: [192.168.1.112]
PLAY RECAP *****
192.168.1.112      : ok=2    changed=0    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
192.168.1.114      : ok=2    changed=0    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
192.168.1.115      : ok=2    changed=0    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
```

3. Create a playbook that changes the default target on all nodes to multi-user target. Do this in playbook file called target.yml in /home/sandy/ansible

```
cd /home/sandy/ansible
```

```
vim target.yml
```

```
---
- name: target
  hosts: all
  tasks:
    - name: link_multi-user.target_to_default.target
      file:
        src: /usr/lib/systemd/system/multi-user.target
        dest: /etc/systemd/system/default.target
        state: link
```

```
ansible-navigator run -m stdout target.yml
```

```
[root@localhost ansible]# ansible-navigator run -m stdout target.yml
PLAY [target] *****
TASK [Gathering Facts] *****
ok: [192.168.1.112]
ok: [192.168.1.115]
ok: [192.168.1.114]
TASK [link_multi-user.target_to_default.target] *****
changed: [192.168.1.115]
changed: [192.168.1.114]
changed: [192.168.1.112]
PLAY RECAP *****
192.168.1.112      : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
192.168.1.114      : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
192.168.1.115      : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
```

4. Create a playbook called issue.yml in /home/sandy/ansible which changes the file /etc/issue on all managed nodes and write "Development"

```
cd /home/sandy/ansible
```

```
vim issue.yml
```

```
---
- name: lineinfile
  hosts: all
  tasks:
    - name: add line to issue file
      lineinfile:
        path: /etc/issue
        line: Development
```

```
[root@localhost ansible]# ansible-navigator run -m stdout issue.yml
```

```
PLAY [lineinfile] *****
TASK [Gathering Facts] *****
ok: [192.168.1.115]
ok: [192.168.1.114]
ok: [192.168.1.112]
TASK [add line to issue file] *****
changed: [192.168.1.114]
changed: [192.168.1.112]
changed: [192.168.1.115]
PLAY RECAP *****
192.168.1.112      : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
192.168.1.114      : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
192.168.1.115      : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
```