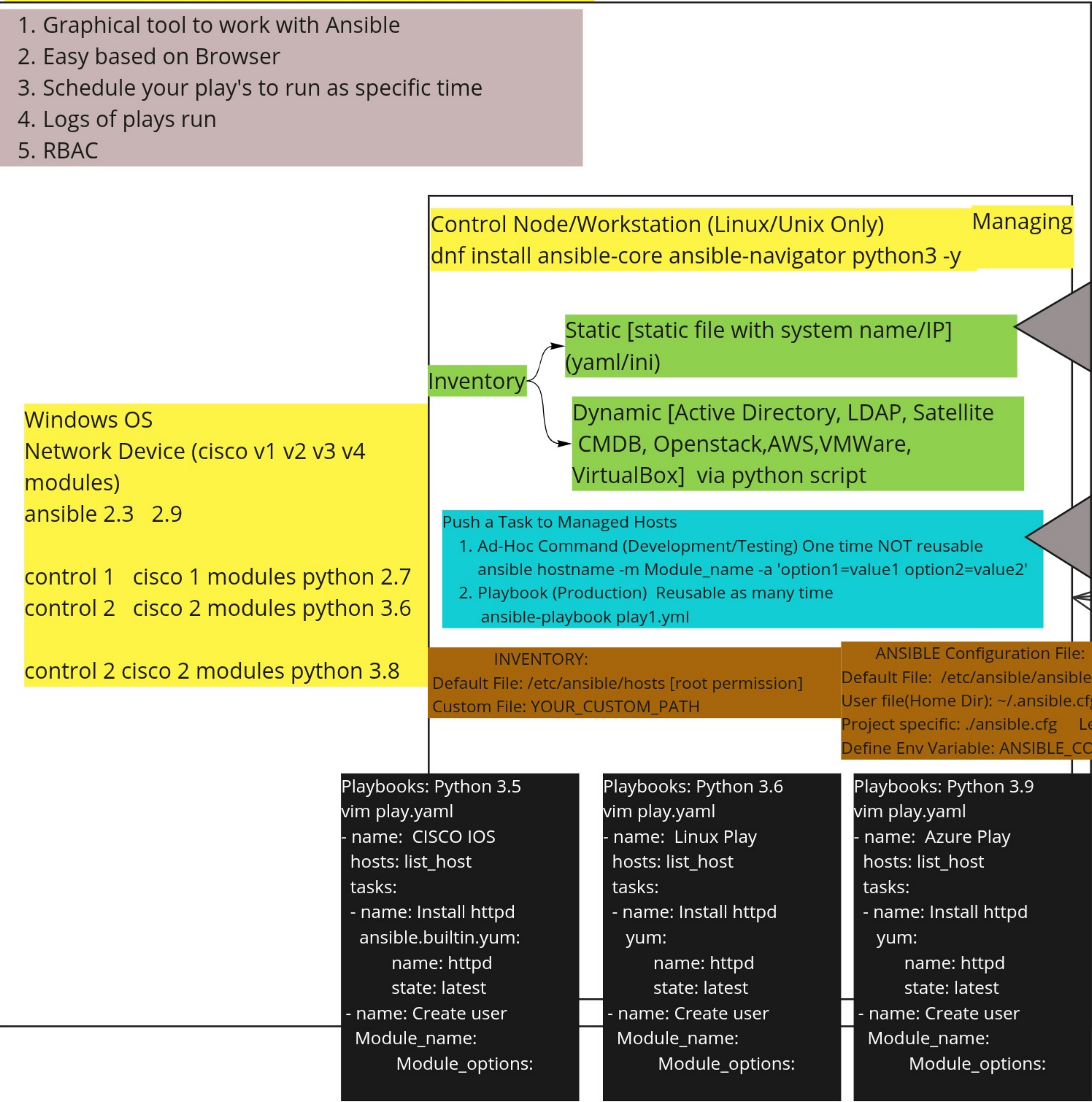
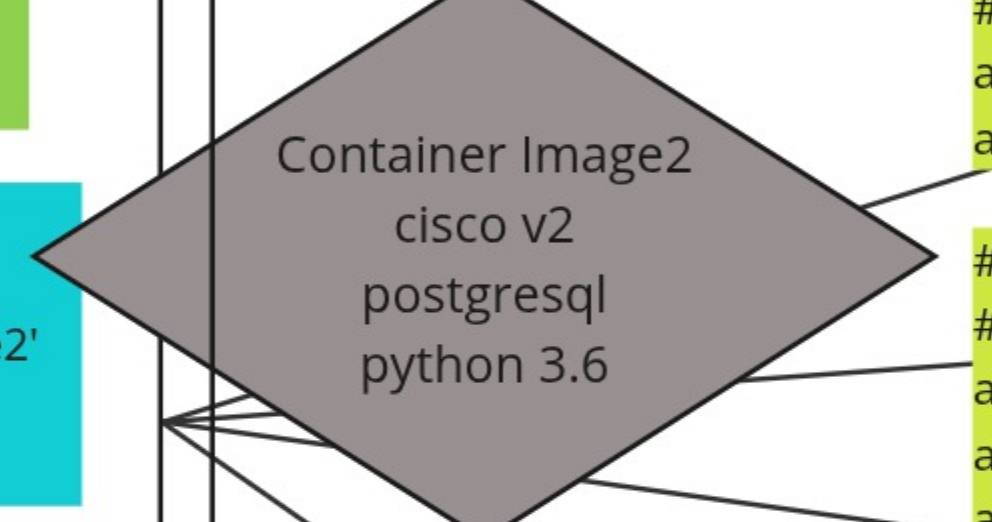


Automation Controller(Formerly known as Ansible Tower)



1. Copy module.py from Control Node to Managed Host (Temp Folder)
2. Change permission of module.py to executable via chmod u+x module.py
3. Check & Execute using "python3 module.py" and make changes(if not DESIRED)
4. Remove Module which was copied (rm -rf Module_path)



Default Settings for Unix/Linux

ssh.py is plugin

ansible_connection: ssh

ansible_port: 22

ansible_user: student (variable file)

remote_user=devops (ansible.cfg)

ansible_password: redhat (SSH_KEY) [--ask-pass for Ad-hoc]

ask-pass

Custom Settings

winrm.py is plugin

ansible_connection: winrm

ansible_port: 5986

ansible_user: devops (remote_user)

ansible_password: redhat (SSH_KEY)

Custom Settings

ansible_connection: network_cli(cisco,arista)/netconf(juniper)

ansible_port: 22 (Depend)

ansible_user: student (remote_user)

ansible_password: student (SSH_KEY to login)

Idempotent Modules/Behaviour

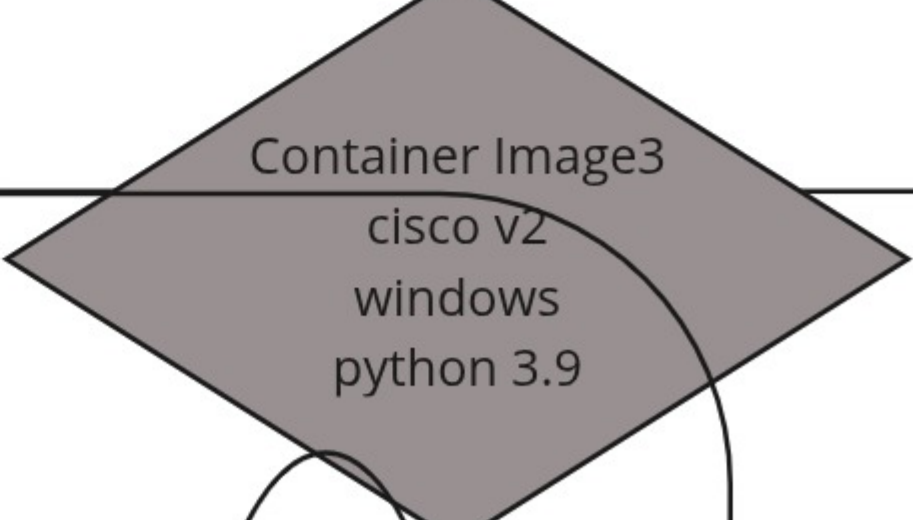
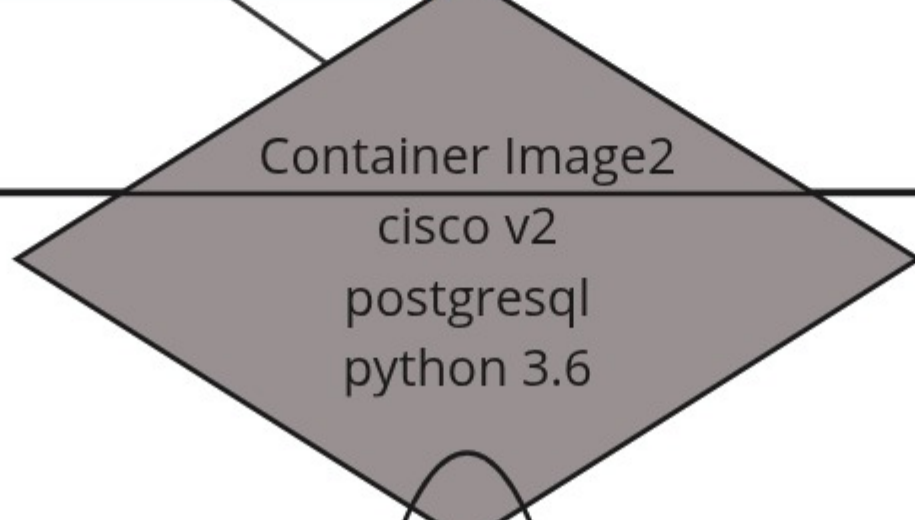
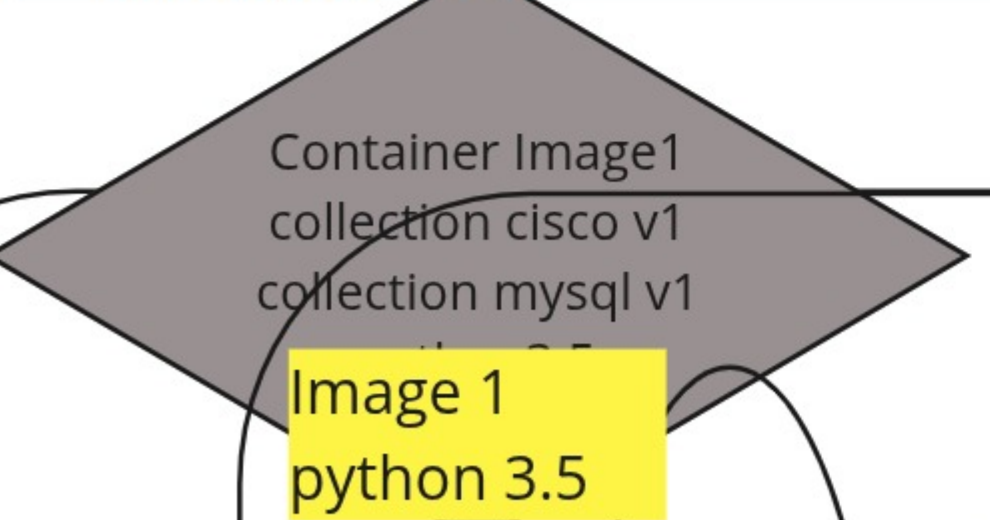
Desired State (OK, Changed, Fatal, ignoring)

Check if the Managed Hosts has already those configs ?

If Yes, Nothing Happen

If No, Config Changed Done

- In Network Device Case which doesn't have python:
1. Copy Module.py from Control Node to Itself(CN) (Temp Folder)
 2. Check & Execute and create commands if changes required
 3. Push Commands to Device and Remove Module which was copied (rm -rf Module_path)



thread 100 MB

thread 100 MB

thread 100 MB

thread 100 MB

thread 100 MB

thread 100 MB

Managed Hosts/Nodes

Python Installed

Linux

[privilege_escalation]

become: true

become_user: root

become_method: sudo/su

become_ask_pass: true/false

PowerShell Installed

Windows

become: true

become_user: administrator

become_method: runas

become_ask_pass: true/false

Python May/May Not

Network Device

Cisco XE/Juniper/Arista

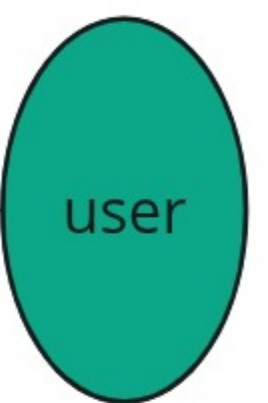
become: true

become_user: admin

become_method: enable

become_ask_pass: true/false

Cloud



OLD Way:

```
ansible-playbook play.yaml -i inventory --ask-become-pass
```

New Way:

```
ansible-navigator run linux.yml --inventory gabriel_inventory --eei hub.lab.example.com/ee-supported-rhel8 --pull-policy missing --eei 'ansible_become_password=redhat ansible_password=redhat' -m stdout
```