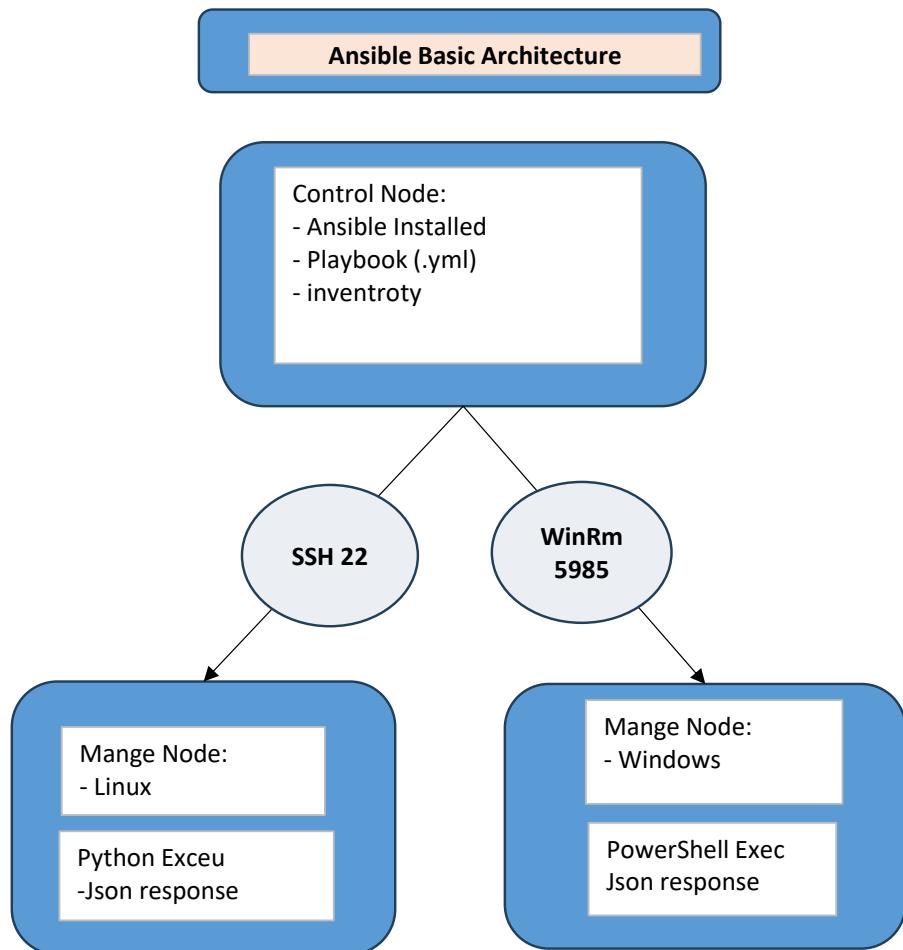
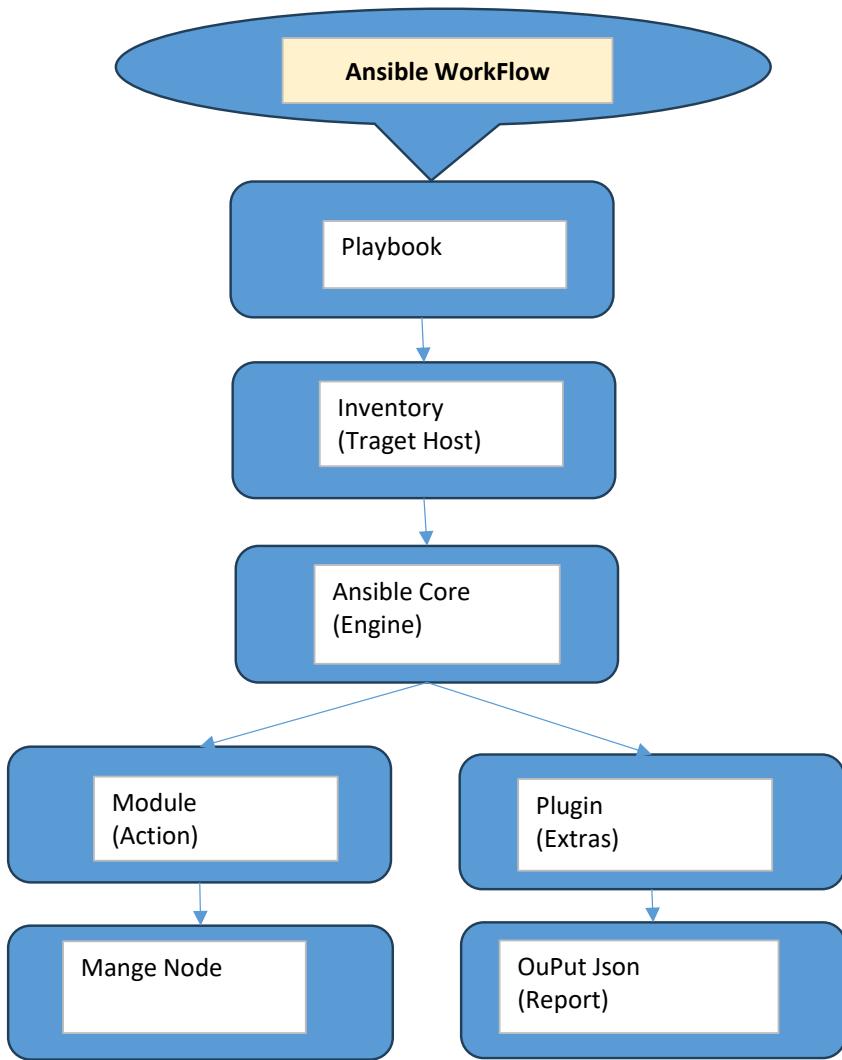
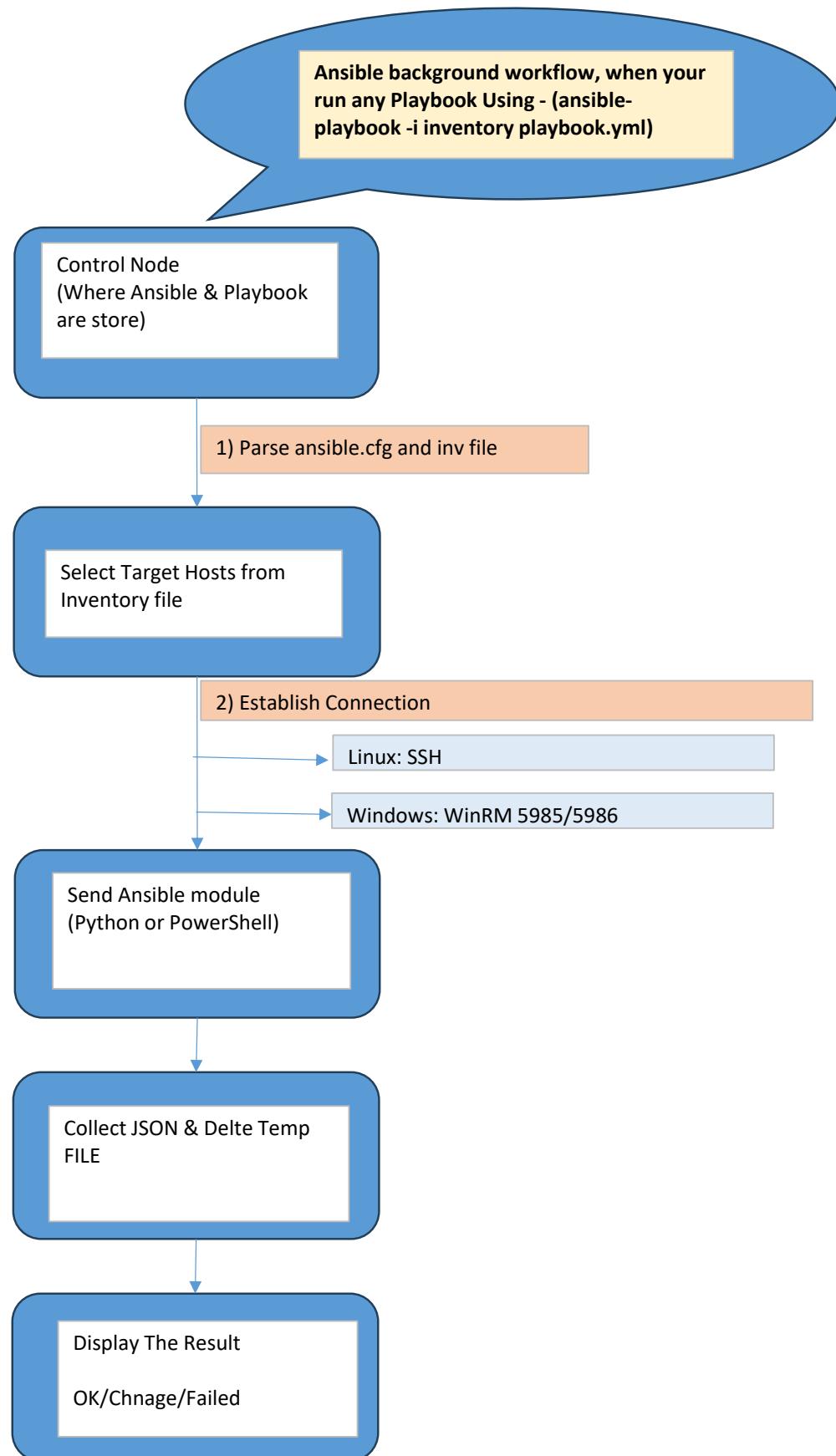


Ansible fundamental Training







Ansible Configuration File
ansible.cfg

```
ansible.cfg
```

```
[Default]
inventory = path inventory
remote_user = ubuntu/ ec2-user
host_key_checking = False
role_path = role path
log_path = log path
timeout = 30
```

```
[privilegeEscalation]
become= True
becomeMethod = sudo
becomeUser= root
becomeAskPass=False
```

```
[sshConnection]
retires = 3
```

```
[colours]
ok = green
changed = yellow
error = red
```

Ansible Inventory File

```
# =====
# Ansible Inventory File
# =====

[web]
web1 ansible_host=192.168.1.10 ansible_user=ec2-user ansible_ssh_private_key_file=~/ssh/web-key.pem
web2 ansible_host=192.168.1.11 ansible_user=ubuntu ansible_ssh_private_key_file=~/ssh/web-key.pem

[db]
db1 ansible_host=192.168.1.20 ansible_user=ec2-user ansible_ssh_private_key_file=~/ssh/db-key.pem

[windows]
win1 ansible_host=10.0.0.50 ansible_user=Administrator ansible_password="WinRMpass123" ansible_connection=winrm ansible_winrm_transport=ntlm

# Group of groups
[backend:children]
web
db

# Global variables
[all:vars]
ansible_python_interpreter=/usr/bin/python3
ansible_port=22
timezone="Asia/Kolkata"

# Web variables
[web:vars]
web_app_version="1.5.2"
nginx_port=80

# DB variables
[db:vars]
db_backup_path="/mnt/backups"
db_port=5432

# Special local group
[local]
localhost ansible_connection=local
```

INI:

```
[all]
web1 ansible_host=10.0.0.10
deb1
windows
Linux
```

Yaml:

```
all:
  web:
    hosts:
      web1:
        ansible_host:
      web2:
        ansible
```

```
- name: Deploy on web server
hosts: web
become: yes
task:
  - name: Print app version
    debug:
      msg: "Deploying version {{ web_app_version}}"
```

Variable Precedence in Ansible:

- 1) Extra vars - ansible-playbook -e
- 2) Task vars
- 3) Block vars:
- 4) Role vars:
- 5) Host vars:
- 6) Group vars:
- 7) Inventory:
- 8) Facts:
- 9) Default:

```
inventory/  
- -- hosts.ini  
host_vars/  
- -- web1.yml  
----db1.yml  
group/  
-- web.yml  
-- db.yml
```