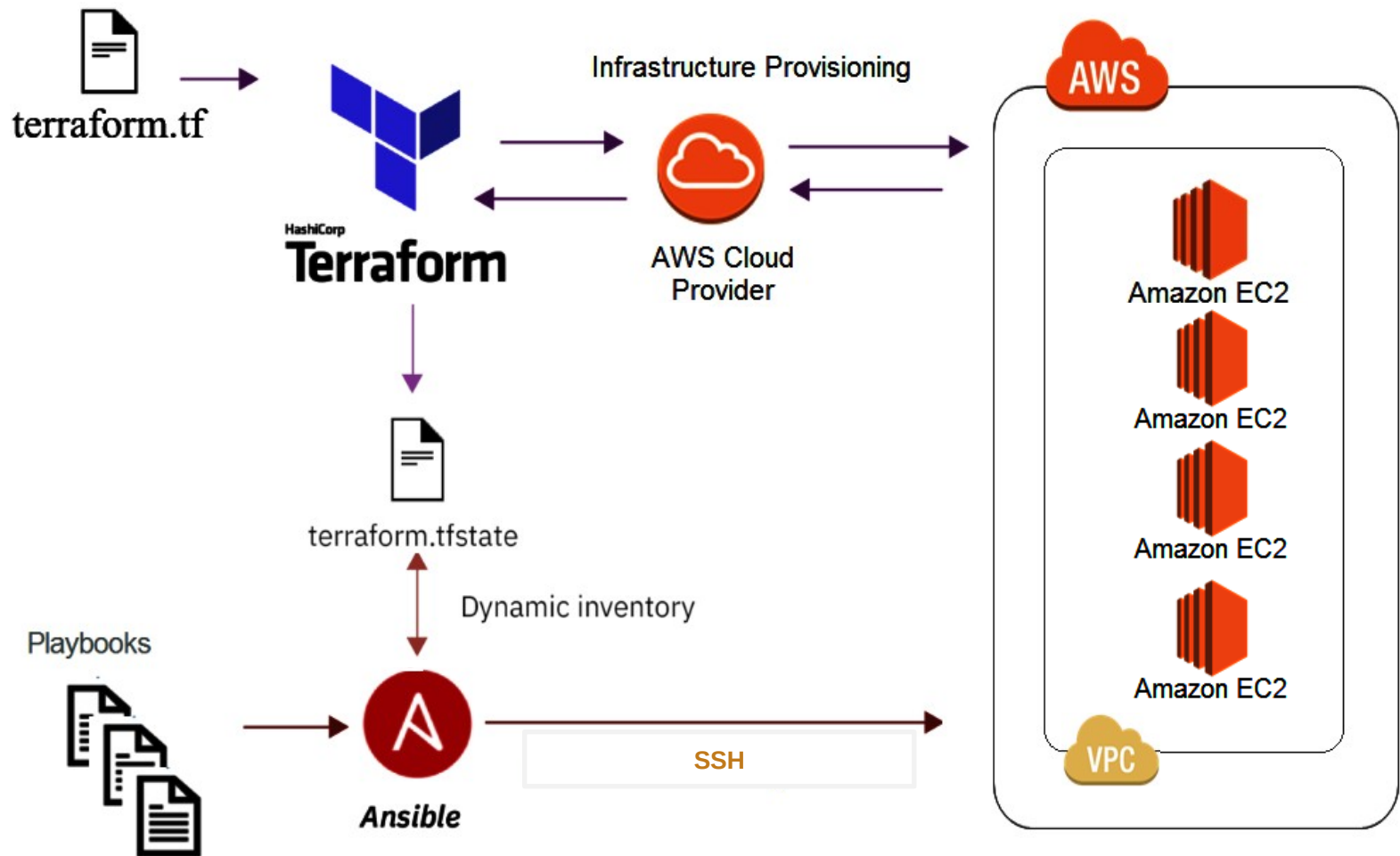
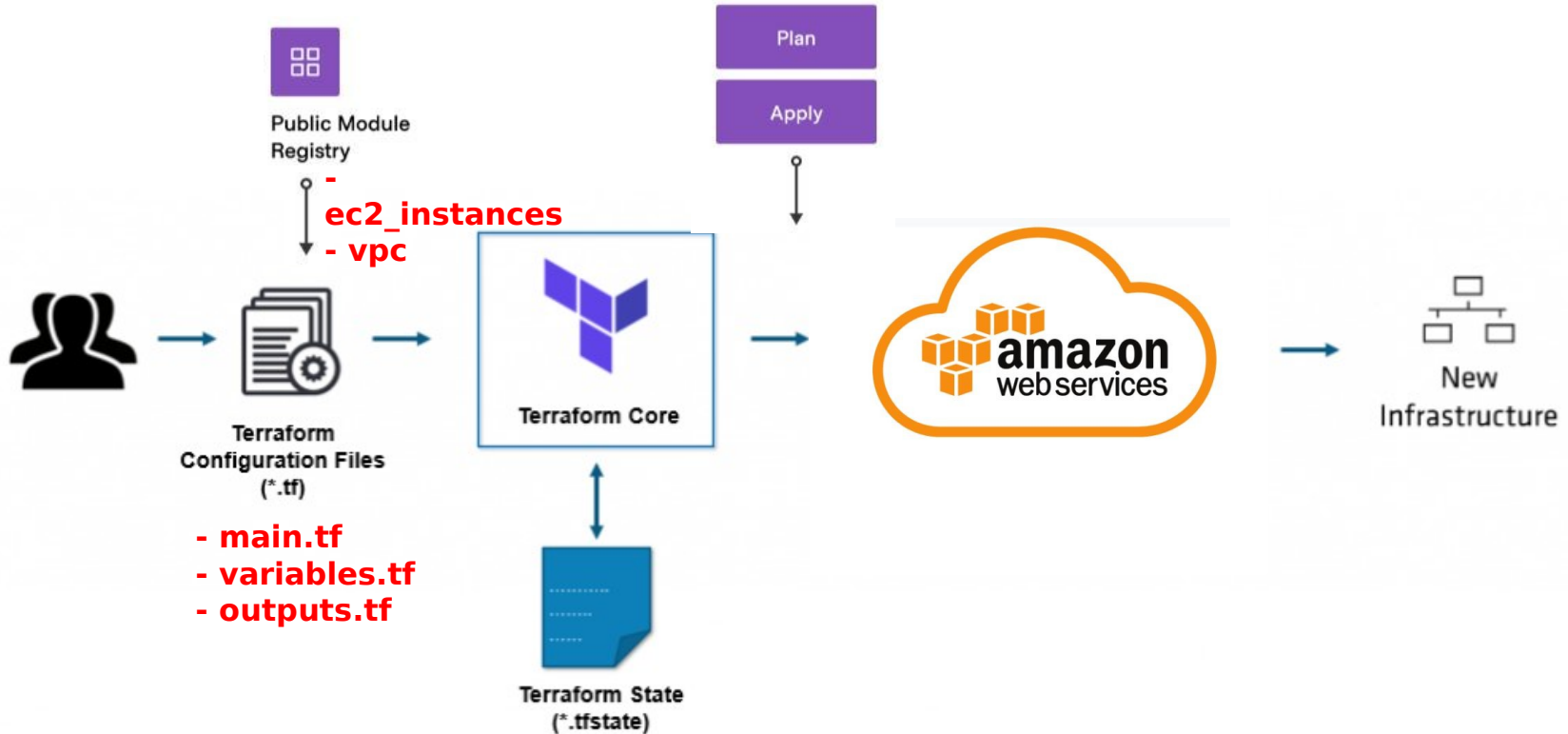


# Infrastructure



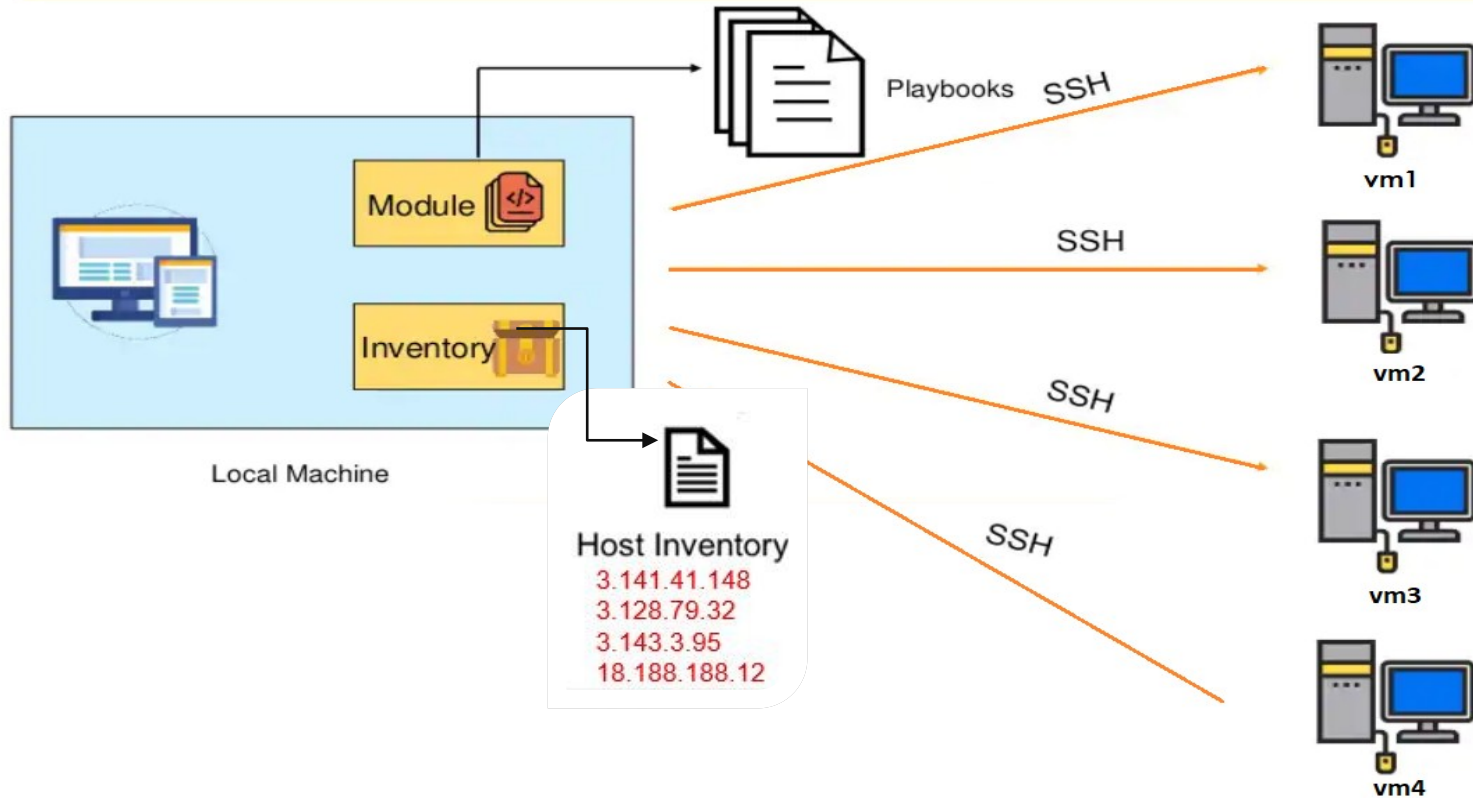


# Terraform



# Ansible

## Ansible architecture



## Ansible Directory Structure :

```
├── main.yaml
├── swarm-add-manager.yaml
├── swarm-add-worker.yaml
├── swarm-reset.yaml
├── docker-remove.yaml
├── roles
│   ├── docker-install/tasks
│   │   └── main.yaml
│   ├── docker-remove/tasks
│   │   └── main.yaml
│   ├── docker-run/tasks
│   │   └── main.yaml
│   ├── requirements/tasks
│   │   └── main.yaml
│   ├── swarm-add-manager/tasks
│   │   └── main.yaml
│   ├── swarm-add-worker/tasks
│   │   └── main.yaml
│   ├── swarm-init/tasks
│   │   └── main.yaml
│   └── swarm-reset/tasks
│       └── main.yaml
```

## Ansible Host Inventory :

```
[all:vars]
host_key_checking = false
ansible_ssh_user=ec2-user
ansible_ssh_private_key_file=~/.ssh/ec2.pem

[all]
3.141.41.148 #vm1
3.128.79.32 #vm2
3.143.3.95 #vm3
18.188.188.12 #orderer

[manager]
18.188.188.12

[workers]
3.141.41.148
3.128.79.32
3.143.3.95

[docker:children]
manager
workers
```

# Ansible - Docker Swarm

