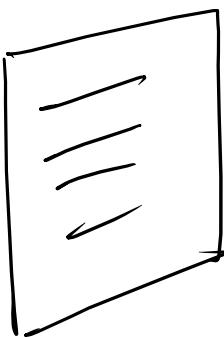


## Technology :-

- ① ~~Terraform~~ — ~~Instance~~ ← ~~Ansible~~ ← Jenkins Jenkins master slave ↗
- ② Ansible — ~~Ansible~~ ← Jenkins Jenkins slave ↗
- ③ Jenkins — Masters — Slave.
- ④ maven ↗
- ⑤ SonarQube — (security scanning)
- ⑥ Docker. (Containers) ↗
- ⑦ Kubernetes (K8S) — Orchestrator — Helm chart. — monitoring purpose
- ⑧ Prometheus & Grafana

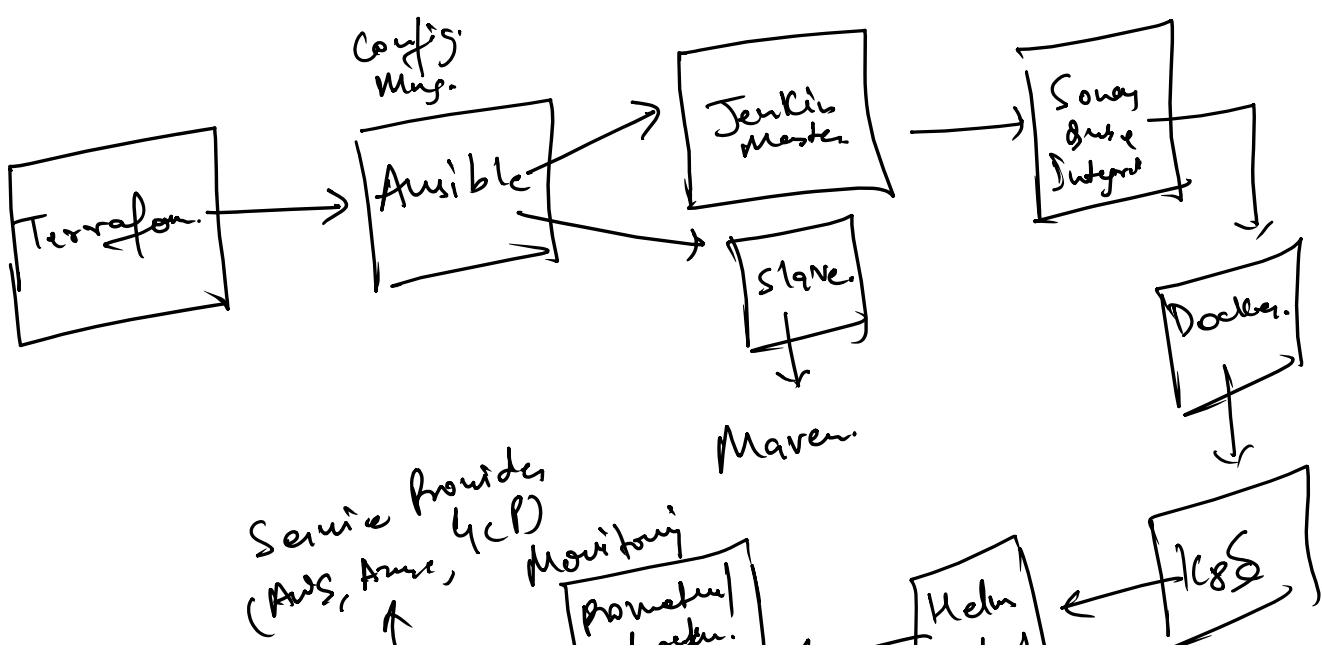
## ① Terraform :-

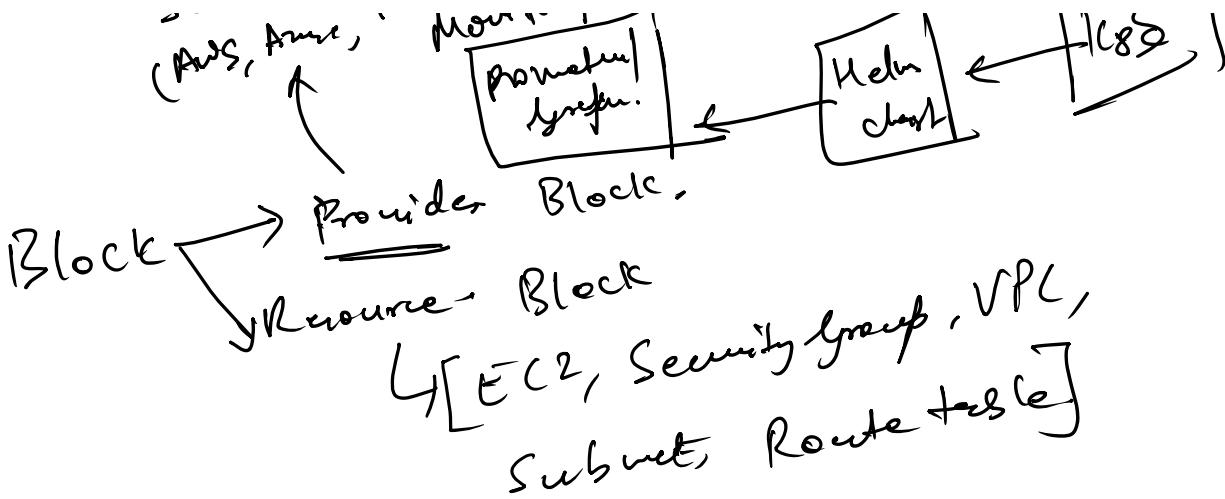


IaC  
↓  
Infrastructure As Code.  
AWS, Azure, GCP, Oracle.

Instance  
Security group.

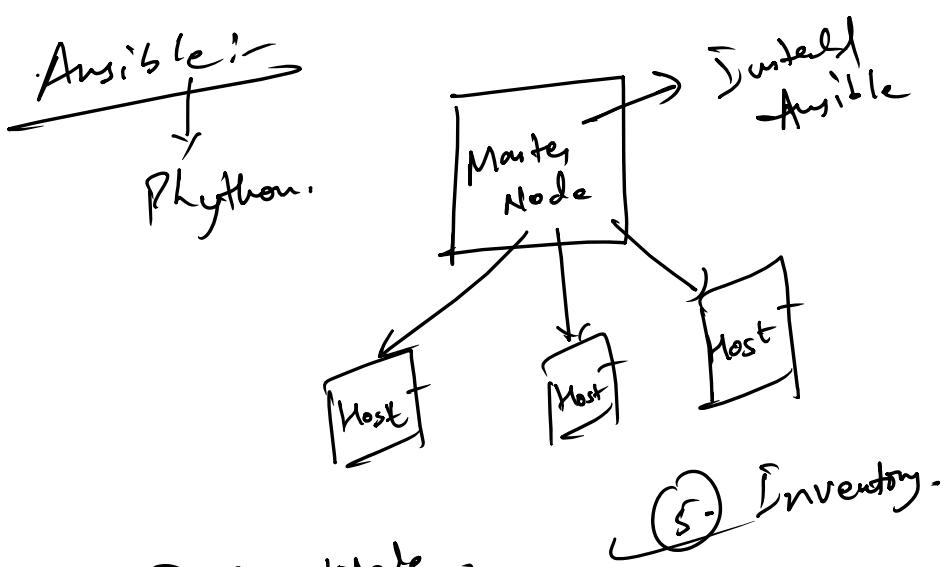
VPC  
DB





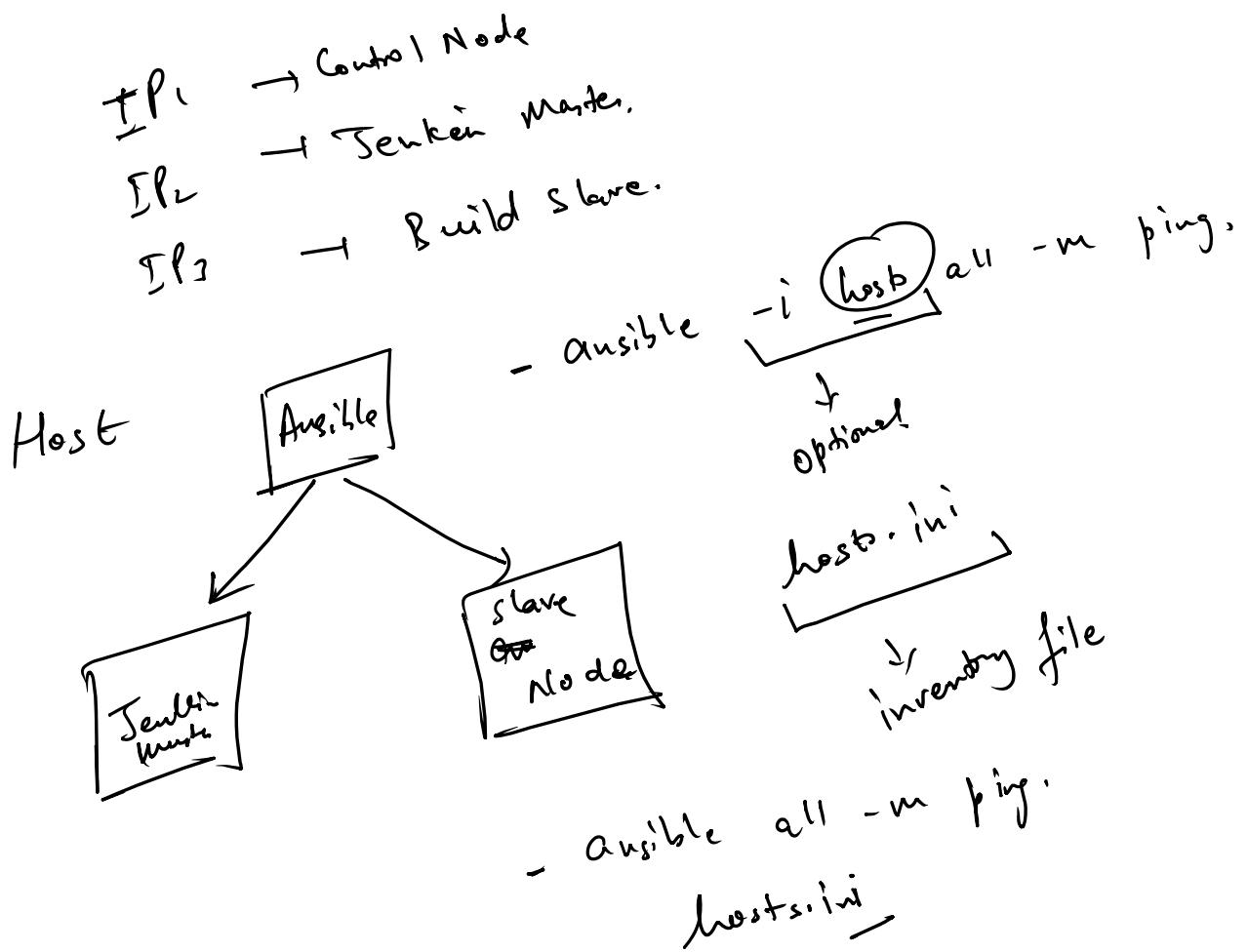
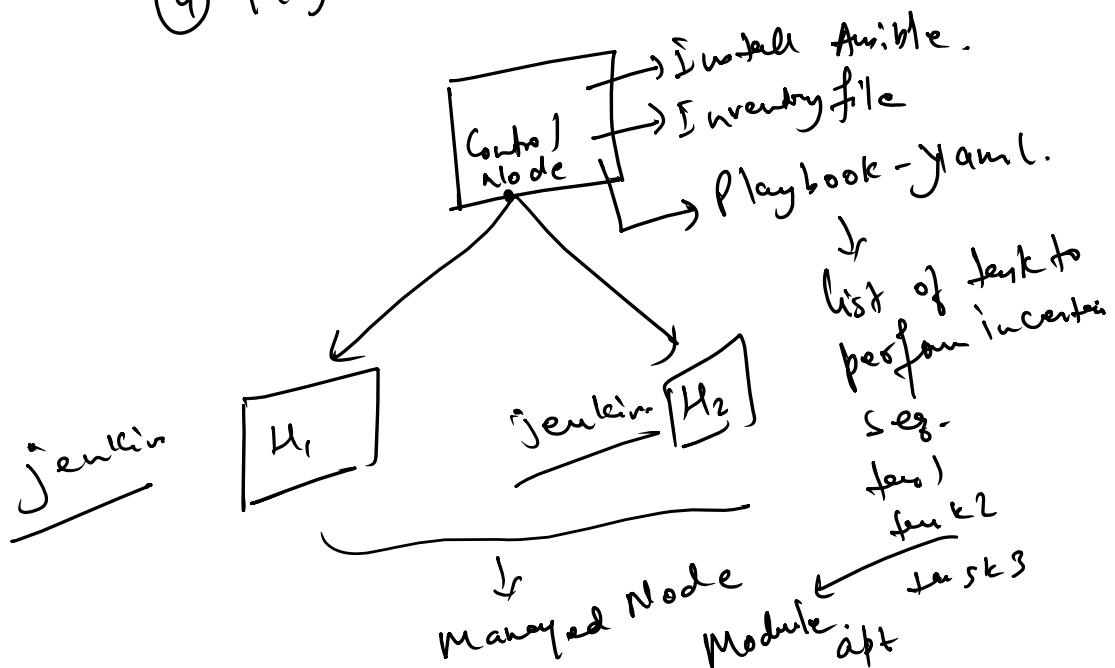
terraform init → Initialize terraform.  
 terraform validate → Validate syntax.  
 terraform plan → Precise  
 terraform apply → deploy changes  
 terraform destroy → Delete the resource

aws cli →



- ① Control Node -
- ② Managed Node.
- ③ Module . . . ] → Playbook

✓ ③ Module      ④ Playbook      → 11<sup>th</sup>



playbook.yaml  
 host: ...

→ vars:

