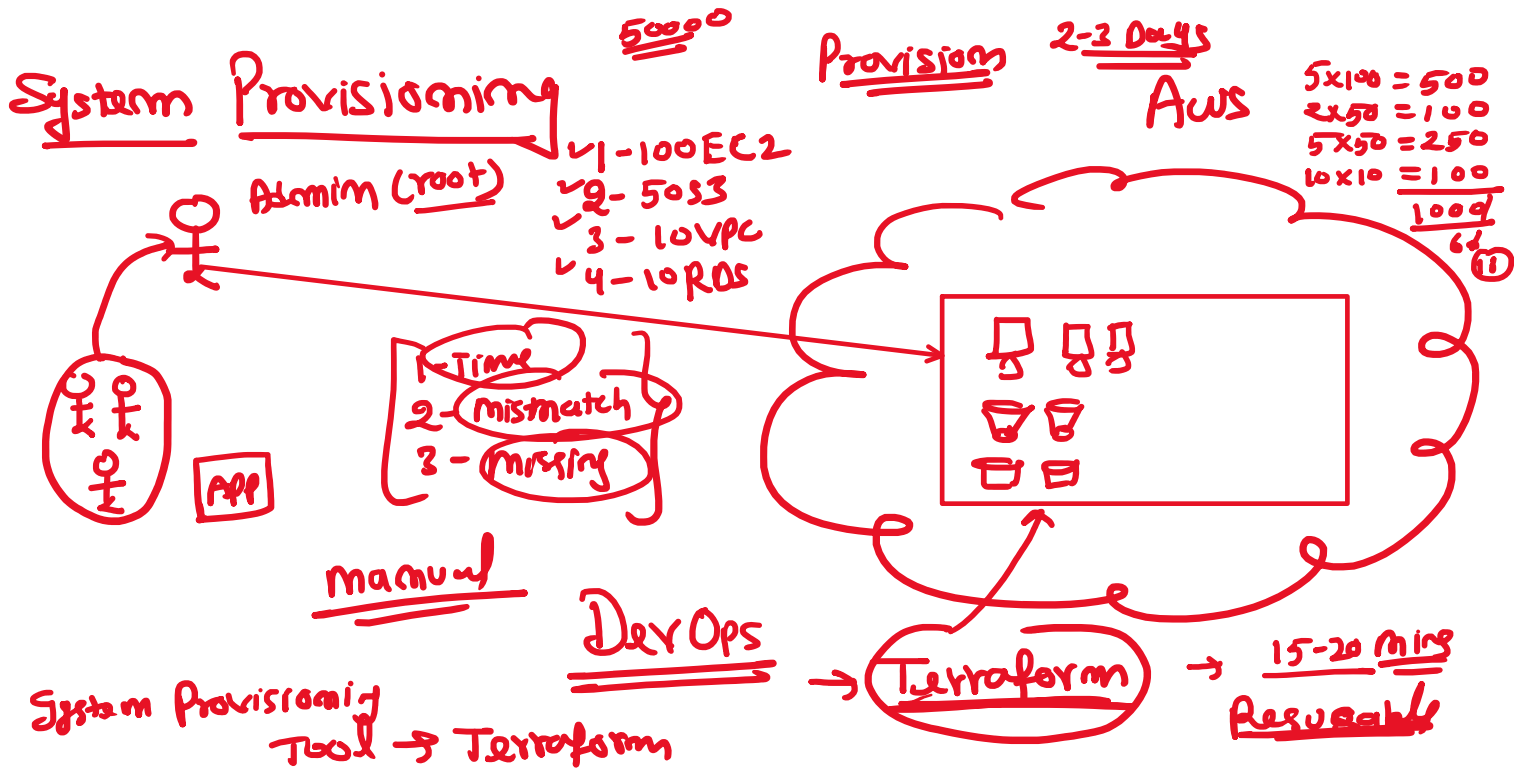# Day-17 (week-9) (Ansible)

System Provisioning → Terraform }
System Configuration → Ansible
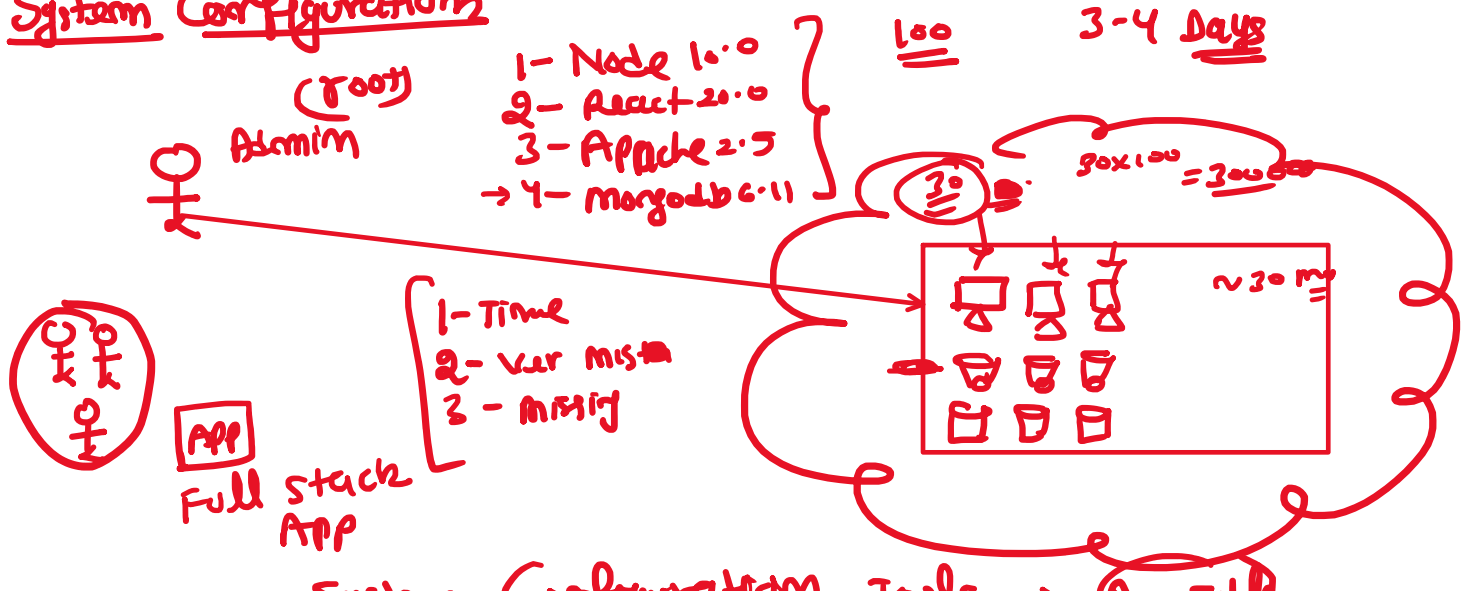
Pre-Req → Aws Account

Distributed Env

X ✓ — Multiple Phy m/c
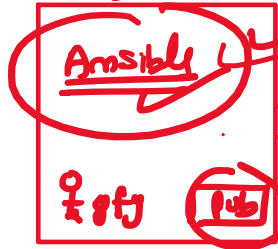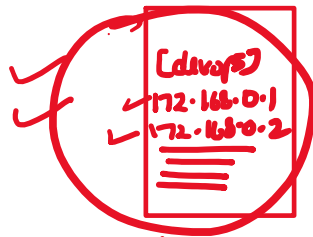X ✓ — Multiple vms
✓ — Multiple EC2

System Provisioning   50000

Admin (root)

✓ 1 - 100 EC2
✓ 2 - 50 S3
✓ 3 - 10 VPC
✓ 4 - 10 RDS

1 - Time
2 - Mismatch
3 - Missing

APP

Provision   2-3 Days

Aws

$5 \times 100 = 500$
$2 \times 50 = 100$
$5 \times 50 = 250$
$10 \times 10 = 100$
$\underline{1000}$
66 ⓝ

manual

DevOps

System Provisioning
Tool → Terraform

→ Terraform → 15-20 Mins
Reusable

System Configuration

(root)
Admin

1 - Node 10.0
2 - React 20.0
3 - Apache 2.5
→ 4 - Mongodb 6.11

100   3-4 Days

$90 \times 100 = 300000$

~30 m

1 - Time
2 - Ver Mismatch
3 - Missing

APP

Full stack
APP
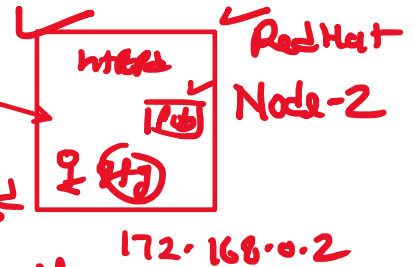
System Configuration Tools →
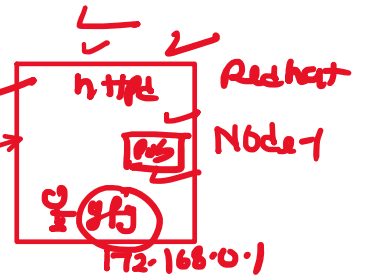
Full App

System **Configuration** Tools → **Ansible**

Password

① make users in Node1 & Node2
② make gfy os a root user
③ Pub key of Ansible
   and copy into
   node1 & Node2
   Inventory **file**

— HTTPd

Ansible

[devops]
172.168.0.1
172.168.0.2

hosts

Ansible   devops -a "yum install httpd"

Ad-hoc Command

http   Redhat
       Node-1
172.168.0.1

http   RedHat
       Node-2
172.168.0.2

Ad-Hoc Command (Single Linux Command)

— Modules (Single task) (English)

— **Playbook** (Multiple — Task)

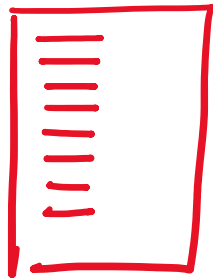| ah-hoc	module (State)
install →	present
Remove →	absent
Update →	latest

modules

⑧ pkg = httpd   State = present

   "yum install httpd"

Ad-Huc → } one Task at a time
Modules → }

Playbook

YAML

> ansible-playbook   playbook1.yaml