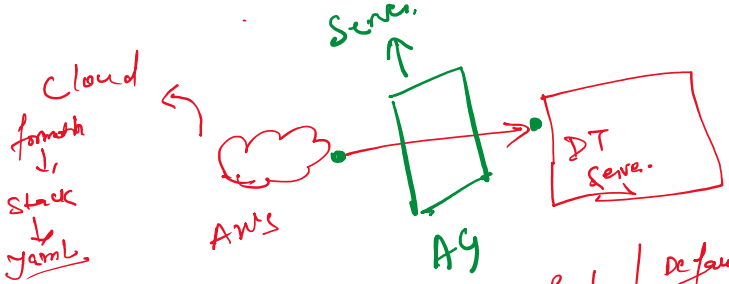
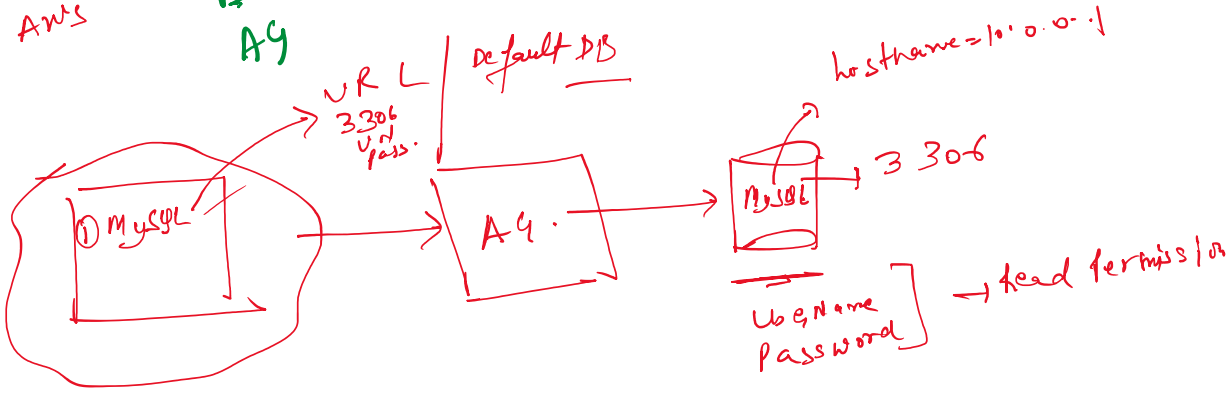
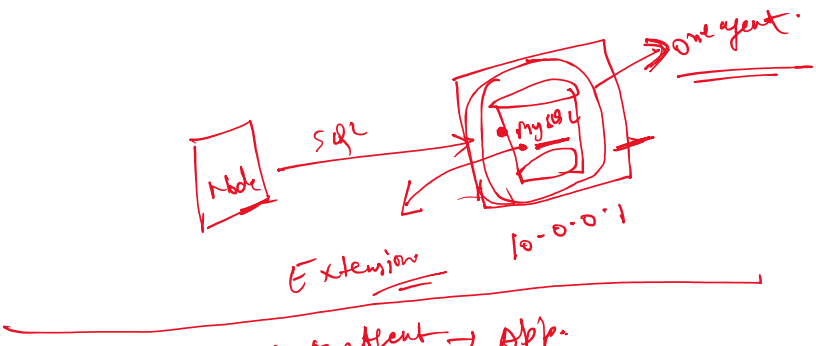
Day - 4

17 July 2025 10:12

* Cloud Monitoring:-




Agent. → OneAgent → App.

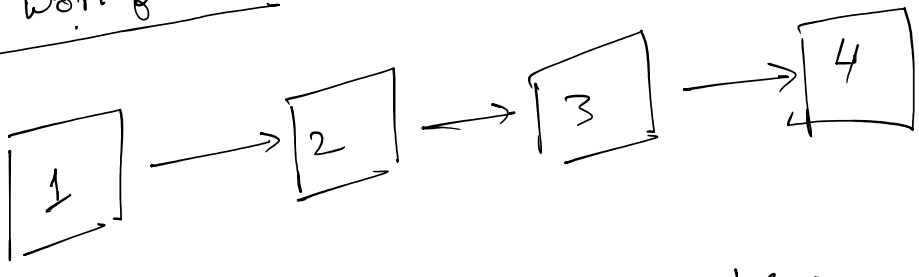
DT → Agent. → OneAgent → App.

→ Agentless → Extensions → Infra.

SAAS (AWS)

MySQL Yaml

Dynatrace Workflow:-




Service splitting:- Create distint logical service.

Service splitting :- Create distinct ms.

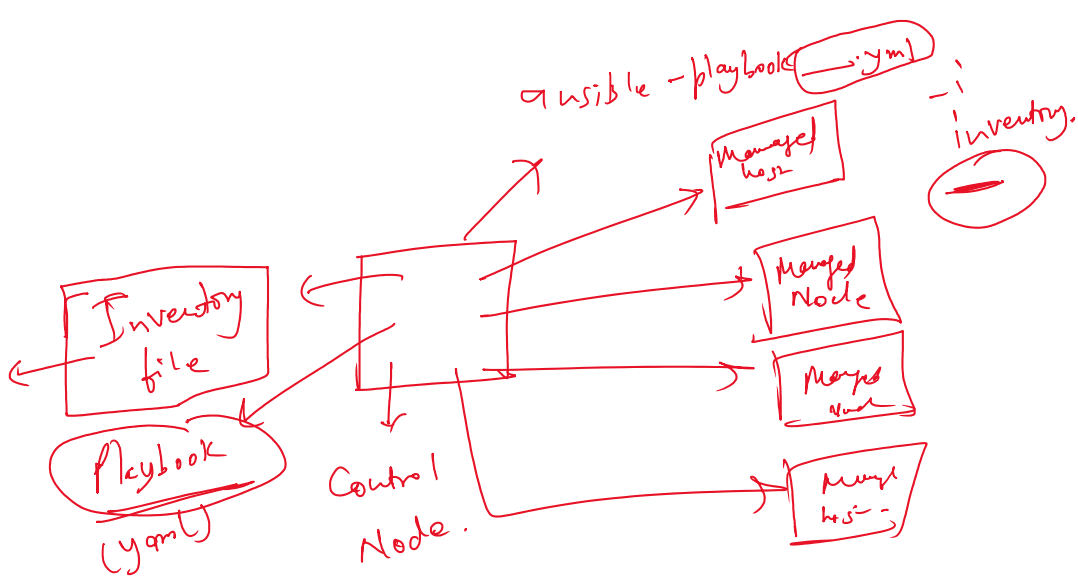
→ (1) Technology (java, .net)
→ (2) Process group.
→ (3) Endpoint path or port

(1) Rest api with Variable path.
↳ /api/v1/user/{userid}

(2) Multi tenant app.
(Same endpoint, different tenants)

1- Alert
2- DavisAI
3- cluster.
4- Smartscape.

[dev, travel]
host1 –
host2 –
host 3 –
[ ]




Roles, Tasks, Variables.
↳ fullstack, infra, discovery.

playbook.yml.

```
- name: Install Apache Web Server
  hosts: webservers
  become: yes
  tasks:
    - name: Install httpd
      yum:
        name: httpd
        state: present
    - name: Start service
      service:
        name: httpd
        state: started
```

group.

inventory.ini

```
[webservers]
web01 ansible_host=192.168.1.10
web02 ansible_host=192.168.1.11

[dbservers]
db01 ansible_host=192.168.1.20
```

group

site.yml -i inventory

```
- name: Start service
  service:
    name: httpd
    state: started
```

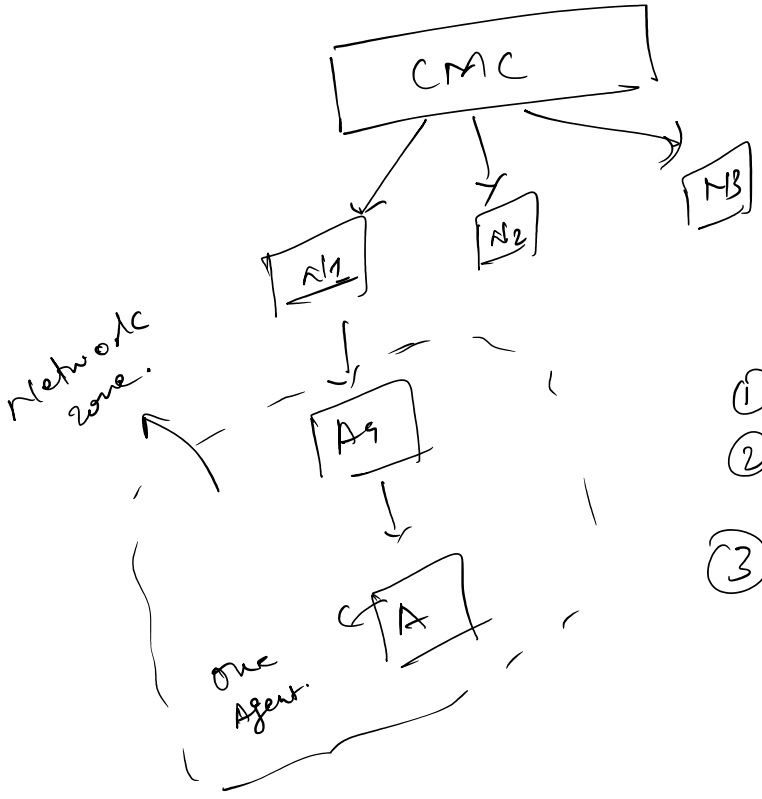
ansible-playbook site.yml -i inventory

* * Dynatrace cluster:-

One or more node (Servers) running the DT Server software & supporting the Servers

(1) cluster Node. — min-1, recommend 3+ for HA

(2) CMC (Cluster Management Console) — Admin UI configure node, license, & updates.




(1) Data Replication.
(2) Auto failover support.
(3) Load Balancer or DNS round-robin.

Security

(1) SSL encryption
(2) one Agent → AG → cluster Node = Secure, Signed channel.
(3) RBAC + LDAP / SSO support.

(1) Cluster Health & resource usage.
(2) configure Backup schedules
(3) External storage.
(4) Assign tenant licenses

(5) Configure firewall & AG rules.

(4) Assign to.

CMC Allow Schedule Backup.

Externally → NFS, S3

Summary

→ ClusterNode → Core Backend Server
→ AG → Proxy for routing, remote Monitoring.
→ One Agent → Data Collection Agent.
→ CMC → Admin Console for cluster Agent
→ HA → Replication / ~~fault~~ failover support.

DAVIS AI:- AI model in Dynatrace.

3 Parameters:-

(1) Predictive AI :- Metrics, logs, future forecasts
(2) Casual AI :- Detect Anomalies & Automatic fault-tree Analysis. metrics, traces, logs.
(3) Generative AI (Davis Copilot) :-
NL → DQL queries, dashboard

Core Capabilities:-

(1) Anomaly Detection & Root Cause.
(2) Forecast & Auto Remediation.
(3) NLA & Dashboard.
(4) Generation Powered Orchestration.

Use Cases:-

(1) Multi cloud & K8 apps.
(2) Auto Scaling Infra based on forecasted demand.

(2) Auto scaling Infra based ...

(3) Security ops.

License:- Unit wise.

(1) Host.

(2) RUM

(3) Synthetic

Reserved RAM
HU
DDU
DEM Unit

(1) classic model. — Host, Custom metric, RUM, Syn.
App. Secu. → (ASU)

(2) Dynatrace Platform Subscription (DPS)
↳ April 2023