Day - 2

11 November 2025 08:36

Yesterday

1. Dynatrace.
2. Infra.
3. APM.
4. RUM

Today

1. SLO
2. Synthetic Monitoring.

Disk = Critical

Memory = 65%.

CPU = 40%

1. SLO :- Service level objective.

SLI - Service level Indicator - Absolute → CPU = 40%

SLO - Service level objective - Defined b/w team → 99.7%

SLA - Service level Agreement - Agreement b/w two parties.

99.5% → Server should be up.

(100 - 99.7)

0.3% → Error Budget

1. either you are making changes.
2. Technically that server is down.

Toil Reduction

Repetitive. Reduce → Automation

SRE → Site Reliability Engineer

1. Reliable.
2. Scalable.
3. Robust.

1. Service level Availability.
2. Single Request.
3. Response time level.
4. Synthetic SLO
5. Synthetic step SLO

① Service level Availability - Define SLO on the service level.

Burn Rate - How quickly we are utilizing the error budget.

$$BR = \left(\frac{\text{Actual error rate}}{\text{Allowed error rate}}\right)$$

BR = 1

BR > 1 → Budget consumed faster

BR < 1 → " " slower

Ex:- Monthly SLO = 99.9%
Allowed error = 0.1%
ER = 0.5%

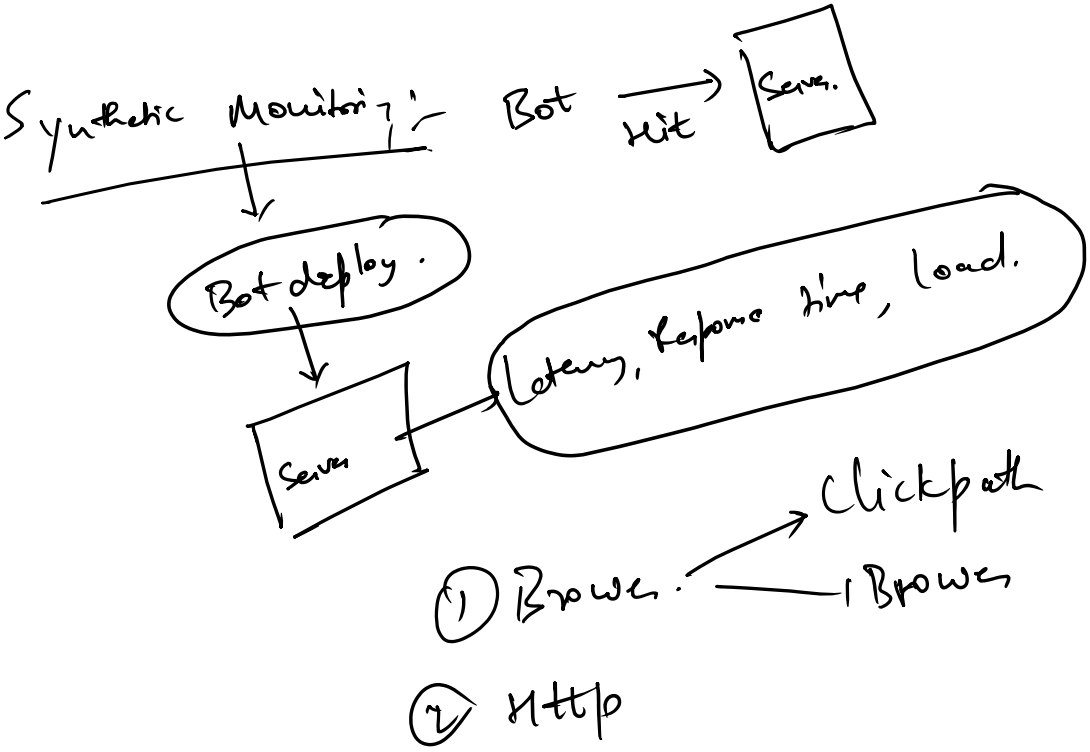
$$BR = \left(\frac{0.5}{0.1}\right) = 5$$

Request level SLO - Service → Request.

→ $\% = \left(\frac{\text{Success Count}}{\text{Req. count}} \times 100\right)$ → Successful %.

$$\% = \left(\frac{\text{Success Count}}{\text{Req. count}} \times 100 \right)$$

Successful Count - calc:service.vk_sucessfulcount
Total Count - calc:service.vk_totalrequestcount



Clickpath :- Seq. of Activity → URL → Hit

(1) Login.
(2) Buy
(3) Add.
(4) Checkout.
(5) Logout.

HTTP :- Http request which is sent to the server.

Get – fetch the data.
Post – Insert the data.
Put – modify data.
Delete – Delete data
Patch – Partially update the resource.

Synthetic SLO Creation:-

Service, Req., Synthetic SLO

Synthetic step SLO:-

Event → clickpath →

monitor on the event/step in the Synthetic Monitors.

Evening:-

① Dashboard → classic
→ New Dashboard.

② Tag: → Manual
→ Automatic.

③ maintence mode.

① Dashboard:- (json)

Add multiple Panels.
filter.
visualization -
SLO, Log, Host - - -

Data Explorer
↓
metrics.

New Dashboard:- ① DQL
② filters on the basis of Panel

(2) Panel

DQL Query

(2) Maintence Window

(1) upgrade.
(2) licence
(3) Modification.
(4) Patching

Any changes or any offensive Activity.

Tomorrow

(1) Tag.
(2) Managment zone.
(3) DQL
(4) Alert & Anomaly Detection

Network group
Host group