Day - 3
10 September 2025   10:16

1. Dashboard — DQL.

2. SRE Concepts.

3. SLO.

4. Cloud Monitoring.

① DQL:-

    ① Aggregation —

       ① Summarize.   ⑤ fields Summed ; ④ fetch.

Table ← ② fields.   ⑥ Parse

      ③ fields Add.   ⑦ filter.

Rename the field ← ④ fields Rename. ⑧ filterOut.

② SRE

    ① SLI → Service level Indicator — (CPU = 40%.) → 99.8%

    ② SLO → Service level Objective — Between the team members.

    ③ SLA → Service level Agreement —

                    $P_1 — P_2$ 99.5%   (SLO > SLA)

    ① Service level Availability   ④ Synthetic SLO

                           ⑤ Synthetic Step SLO.

    ② Sigle Req.

    ③ Response level SLo

          • ilability.

① Service level Availability:-
_____
          SLO for the specific service.

Error Budget:-
_____   SLO = 99.5%
                          EB = 0.5%
                            ↓
                Time when your servs
                      Can be down.
                                    ⤴
                         upgrade | Patching | API

② Style Req.:-   SLO on the req. level.

③ Synthetic SLO:- ___ Synthetic monitoring for it.

Burn Rate:- How Quickly a service is consuming its error budget

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

$BR = 1$ — error budget is consumed exactly at the
              same allowed rate by SLO.

$BR > 1$ = Budget is being consumed too fast.
$BR < 1$ = Budget is being consumed too slow.

BR < 1 = Budget

Ex⇒ Monthly SLO = 99.9%

Allowed error = 0.1%

Actual error rate = 0.5%

$$BR = \frac{0.5}{0.1} = \boxed{5} \rightarrow 5 \text{ time more speed}$$

(4) cloud Monitoring Agentless Connection

(1) Create a role in AWS

(2) Create the stack in AWS

(3) Add the token which is generated on the DT Ltd

(4) Test the Connn...

(5) Anomaly Detection —
DT
├→ Web App. ⎤ → Problem... → Davis AI / Notification
├→ cron App. ⎦
├→ Disk
├→ host
└→ CPU
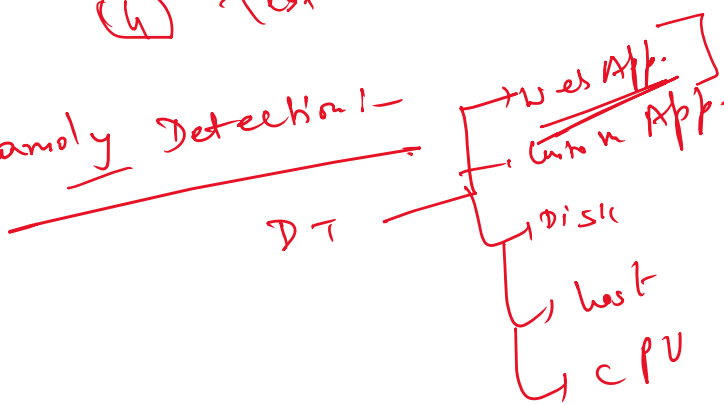
Fixed Threshold — 8%

Automatic Threshold — CPU usage

7.5%

1 — 5%
2 — 10%
3 — 8%
0%

5%

Automa

30/m → 7·5 y

1 — 10 y
2 — 8 y
3
4 — 0 y
5 — 0 y
6 — 7 y

Appdynamic
Splunk

Tomorrow!

① Host Group
② Network Zone
③ Management Zone
④ Alerts & Integration
⑤ Process Group & Service

Grouping