```
[Data load] → [Info security, User data, Application] → [Storage] → [Analysis]
```

(1) Splunk — bucket
(2) Dynatrace - Inverted
(3) ELk - "

Data Warehouse   Datalake
(structured, Semistruct)   (Structured, Semi-struc, unstructured)
        ↓   ↓
       csv   json/xml   Audio/video/Pdf

SRE = site Reliability Engineer.

I am eating eating apple.

$$
\begin{bmatrix}
I - 1 \\
am - 1 \\
eating - 2 \\
apple - 1
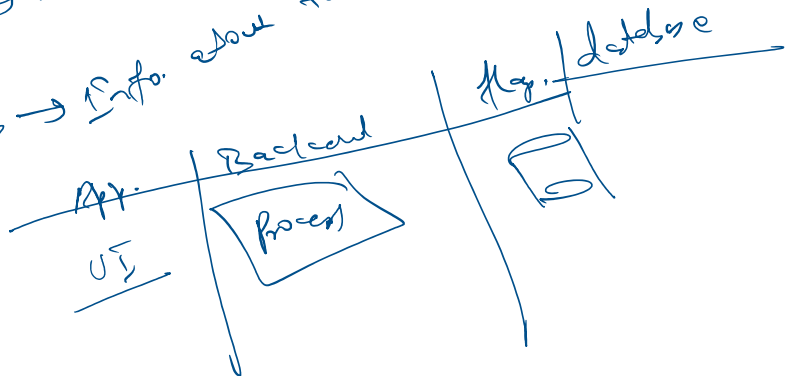\end{bmatrix}
$$

Dynatrace → observability tool.

Monitoring → Reactive Approach.
observability → Proactive Approach.

(1) Metrics → Single Numeric Data / bool condition → CPU = 80%.

(2) logs. → Timestamp, more details.

(3) Trace → Info. about the reg. flow.

```
   App.      |  Backend  |  Mg.+ database
   UI        | [Process] |  [  ]
```

End to end Visibility :-

(1) Application Performance Monitoring (APM)

(2) Database Visibility

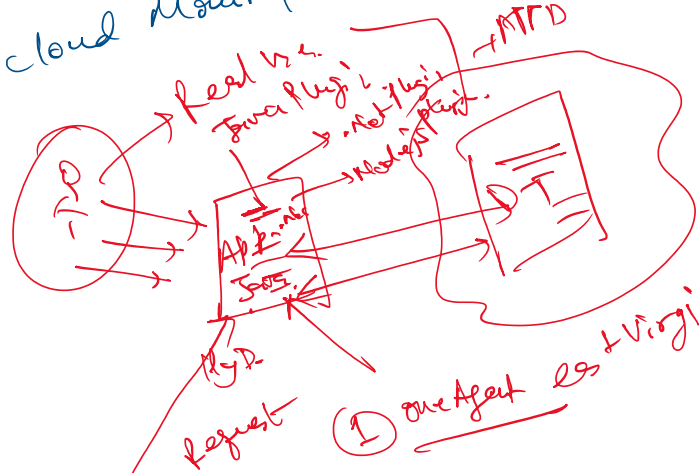(3) Container Monitoring

(4) RUM (Real User Monitoring)] → End User Monitoring,

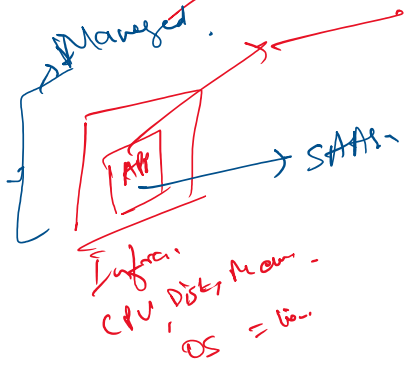(5) Synthetic Monitoring

(1) Datadog.
(2) APPD
   Relic

④ RUM
⑤ Synthetic Monitory
⑥ Cloud Monitory

① APPD
② APPD
③ New Relic

Real Usr.
Java Plugin
→ .Net Plugin
→ Nodejs plugin.
→ MTD

App-mon
Sos.

MyD.
Request

① one Agent est Virgiu.

Σ Monitory Bot → Synthetic.

Managed.

New Relic — No Managed Option.
Only SAAS Version
Avaible.

App
→ SAAS

① Managed → PAAS.
② SAAS. — Software As a Solution

Infra.
CPU, Disk, Mem.
OS = io...

Dynatrace
→ App mon.
→ DCRUM → Data Centre Read use Monitory
→ Enterprise synthetic
→ Gomez
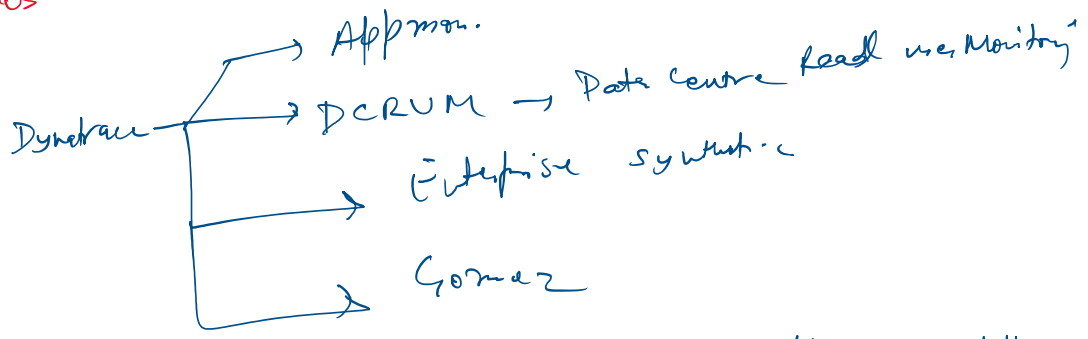
Accured by company called Keboit, combine all apH me.

Dynatrace AAS architecture

one Agent   443 →
one Agent   443 →
one Agent   443 →

A1
A2
A3

DT
Serve

One Agent → it is not dependent on the
App. It only depend O.S.

Proxy

A3
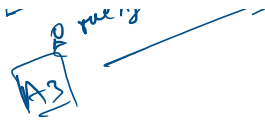
1. nginux → Reverse Proxy Serve.

2. Elastic Search → engine that will help to analyze the data.

3. Cassandra   hypercube → Distributed DB where it will store your data.

4. DT Server   → Collecting, processing of Data Helper

5. Embedded   Active Gate → Lightweight Active gate, that collect the local data at DT.

Proxy   Server.   → Forward Proxy Server.
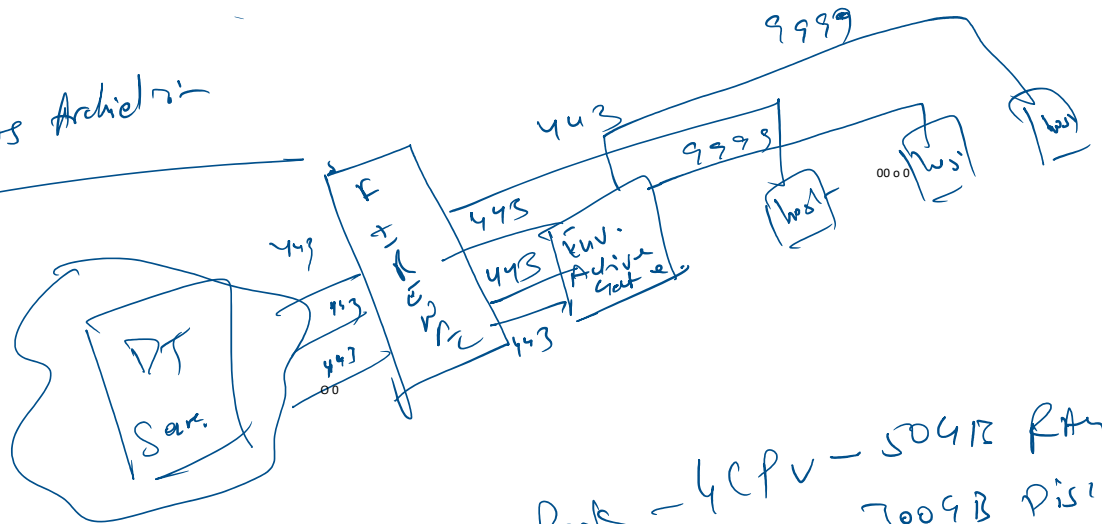   → Reverse Proxy Serve.

Sender   Proxy   Rein.

10.00.1

Send.   →   Proxy Keer
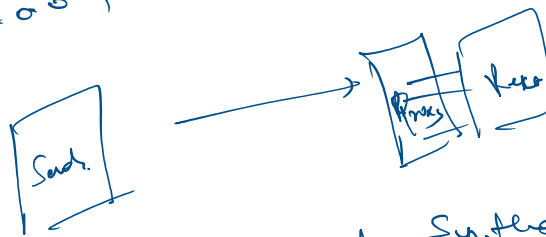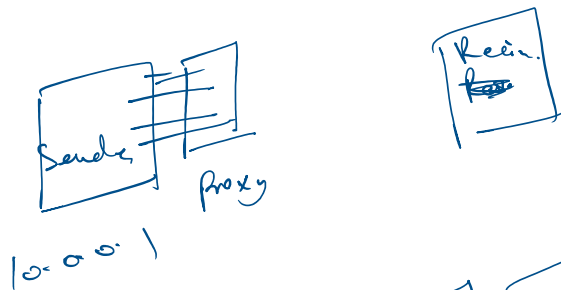
                    1 Private Synthetic Monitoring

1. Private Alft.
2. Pull the cloud logs.
     No Active Gate reg. in Managed env.

Mission Control:-
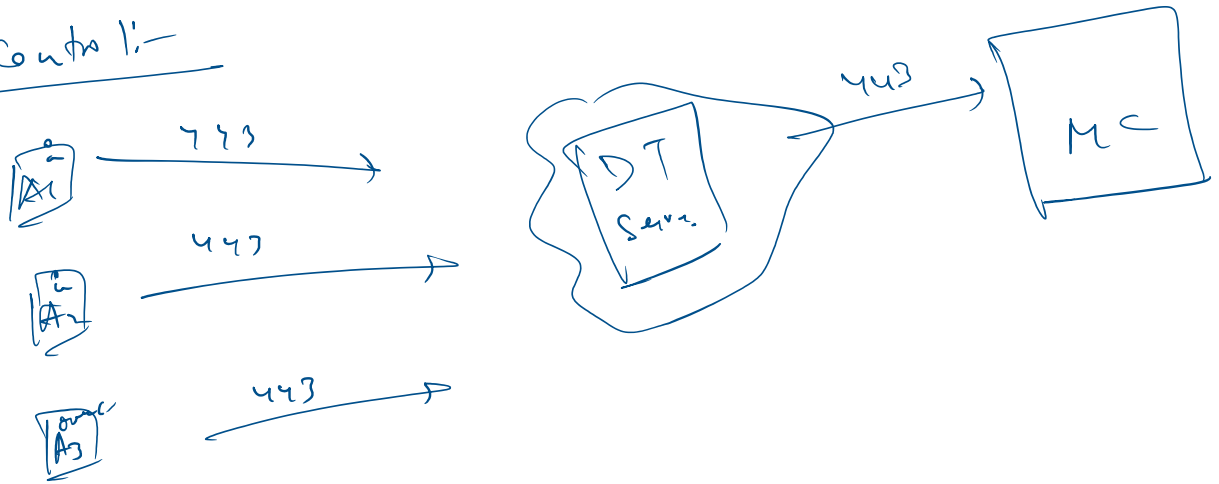
1. license.
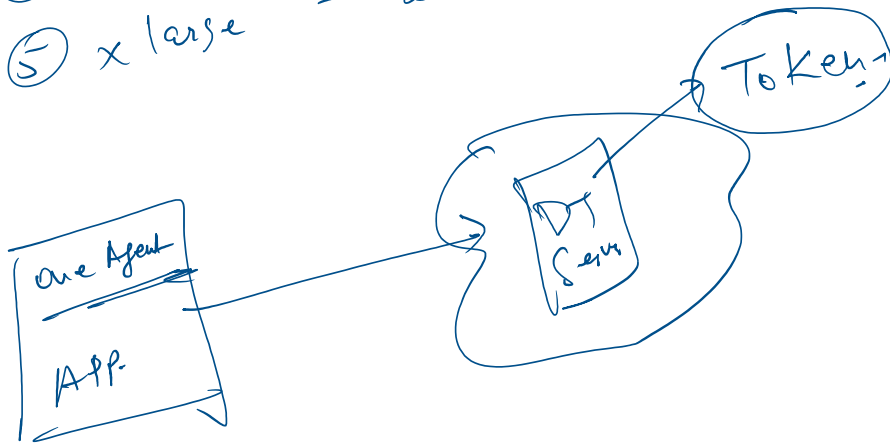2. upgrade Availability
3. Health check of your infra.

Dynatrace SAAS Architecture

H/W Configs:-

1. Micro — 50 node — 1000 Peak — 4CPV — 50GB RAM.
   use. 300GB Disk.
2. Small — 300 node — 10,000 , 8 CPV , 64GB RAM.
   use.
3. Medium — 600 node — 20k u. — 16 CPV, 64GB RAM
   — 32 CPV — 256GB
4. Large — 1250 node — 50k u. — 64 CPV, 512GB RAM.
   — node — 100000
   u.

④ large —

⑤ x large — 2000 node — 100000

Token

One Agent
APP.

DT Serv

ip-172-31-38-65

172.31.42.33