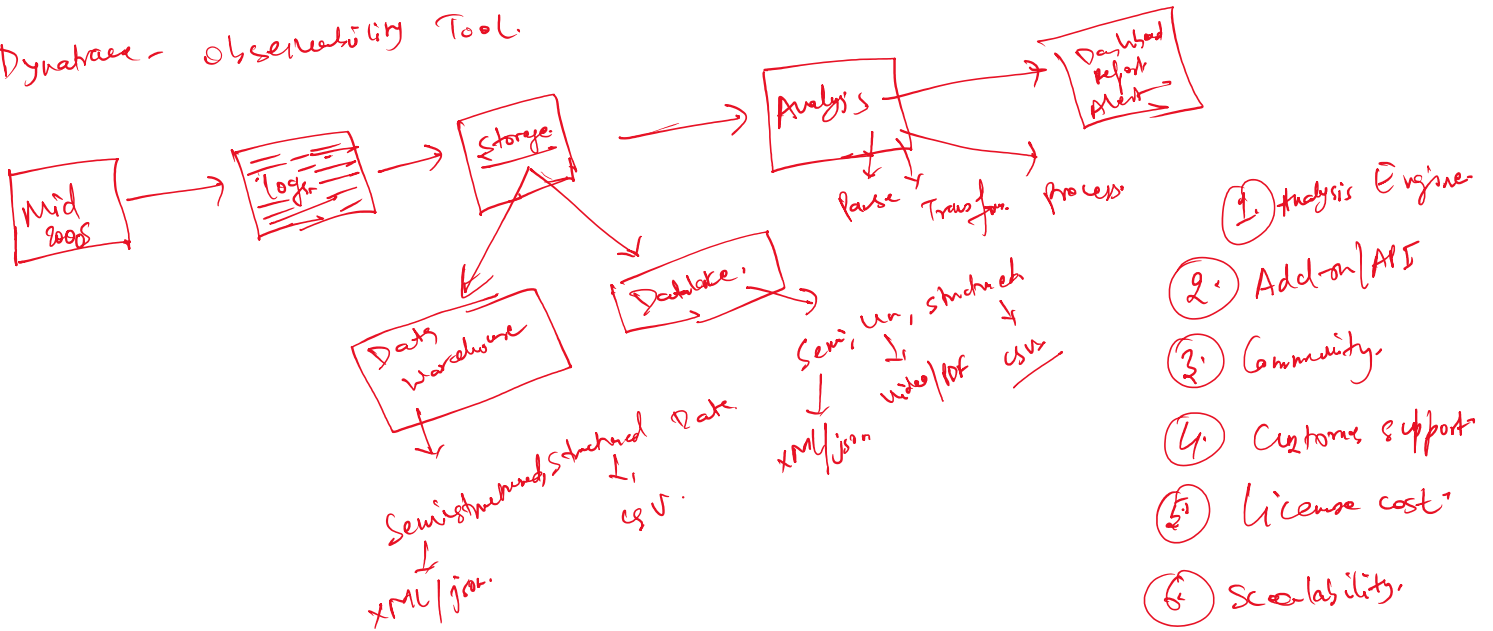
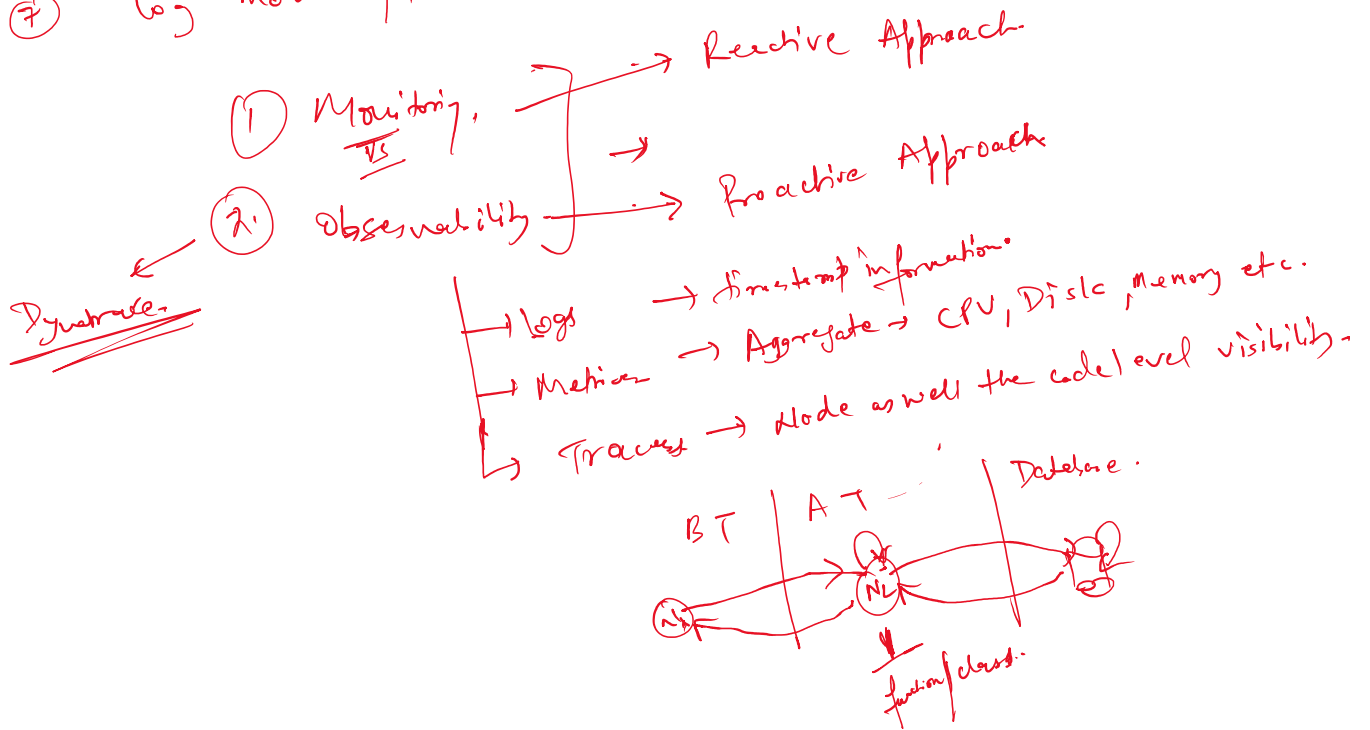


Dynatrace - observability Tool.



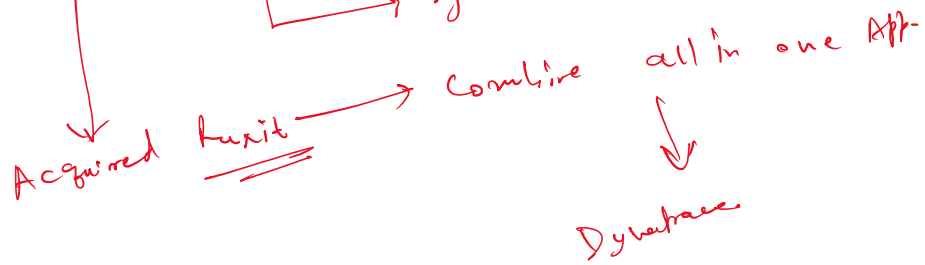
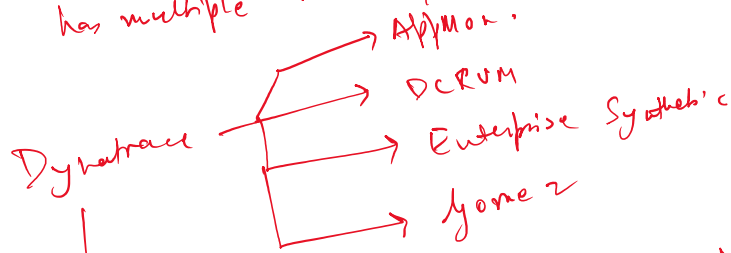
Dynatrace:-

- ① APM - Application Performance Monitoring
 - ② RUM - Real User Monitoring
 - ③ Synthetic Monitoring
 - ④ Database Visibility
 - ⑤ Container Monitoring
 - ⑥ Infrastructure Monitoring
 - ⑦ Log Monitoring
- End User Monitoring



... while monitoring Tool

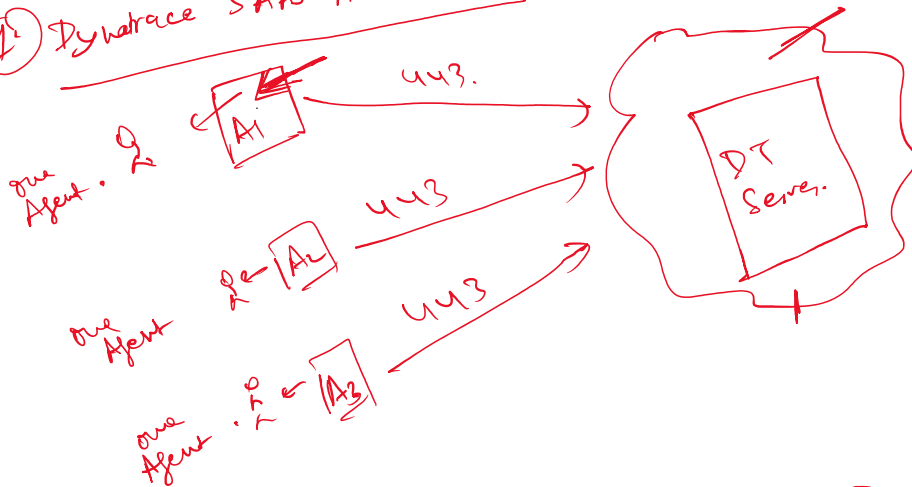
Around 2024, DT has multiple monitoring Tool.



Dynatrace has two flavors.

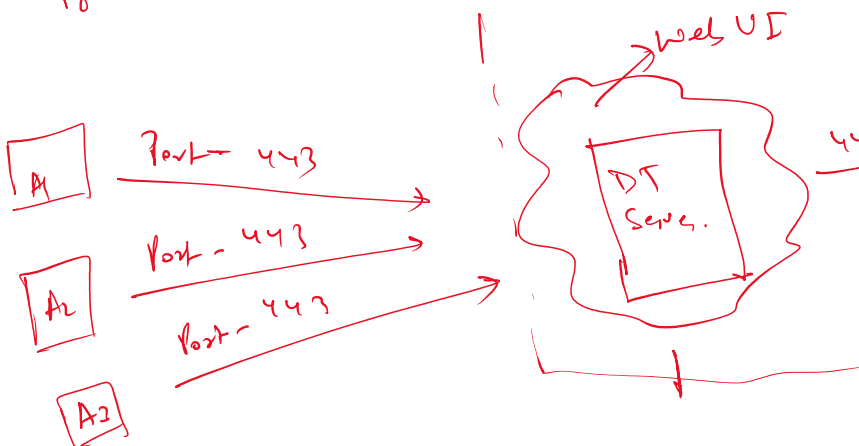
- ① SaaS.
- ② Managed.

① Dynatrace SaaS Architecture



One Agent → Package that you install on the server to push the data from the server to the DT Server side.

O-S dependent
limit windows.



- ① Mission Control.
- ② Validate license.
- ③ Upgrade Availability.
- ④ Health check of the Server.

① Nginx - Reverse Proxy Server.

... Analyze the data.

① Nginx - Reverse Proxy Server

② Elastic Search - Engine that will Analyze the data.

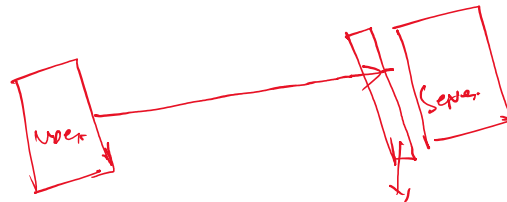
③ Cassandra Hypertext - Distributed database where data is stored.

④ DT Server

⑤ Embedded Active Gate - Agent - Private App monitoring, cloud monitoring etc.

↳ Only in SaaS env,
Not in managed App

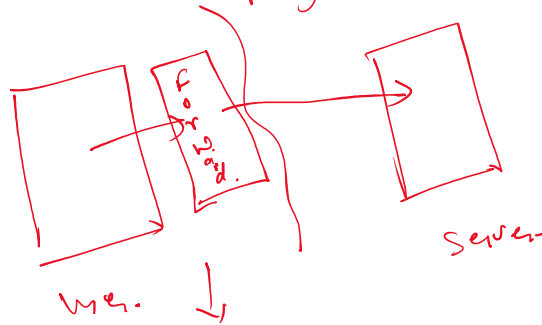
Reverse Proxy Server



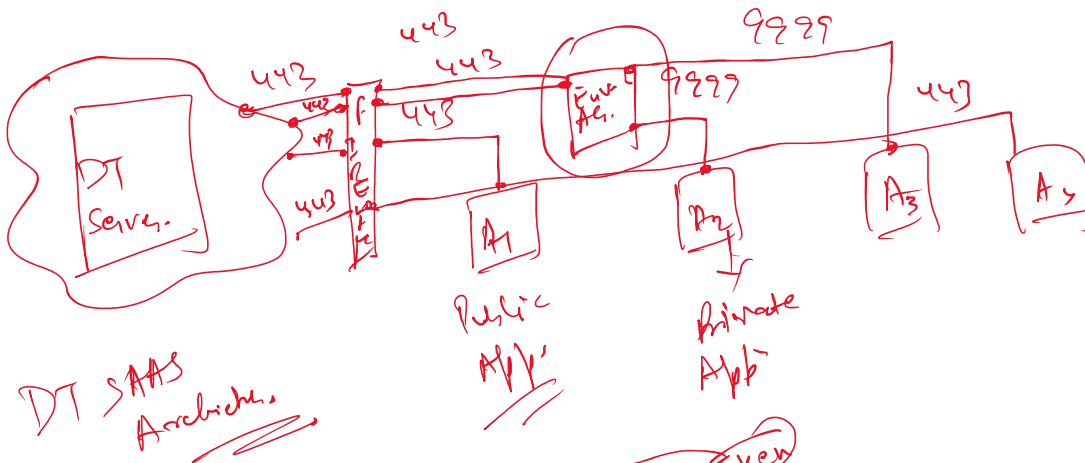
Hide the info.
of the server details.

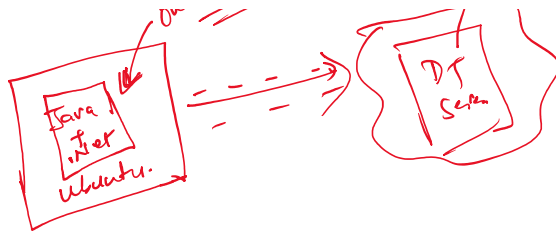
Reverse
Proxy.

Forward Proxy Server



Hide the
user info.





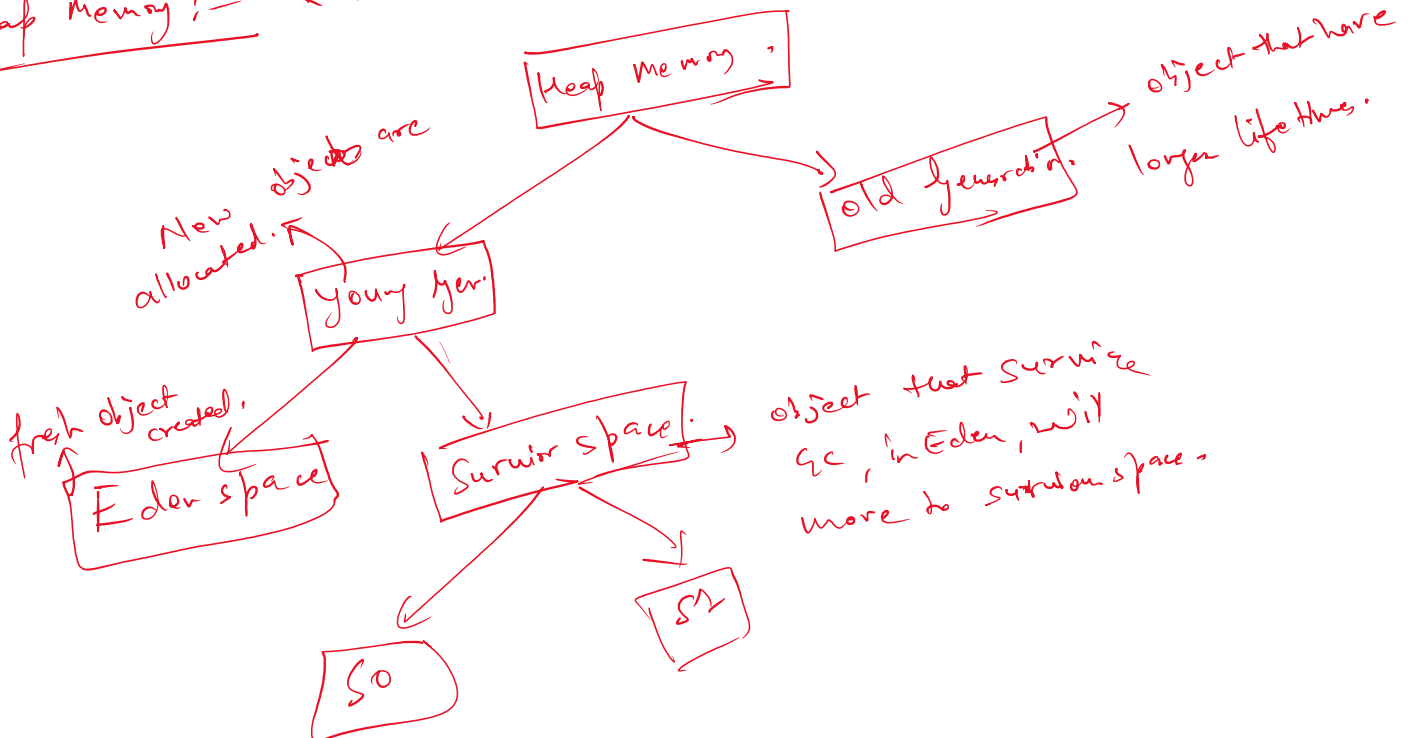
JVM - Java Virtual Machine - Runtime engine that allow Java program to run.

↓
Java bytecode in any platform.

① class loader Subsystem

- ① load class. → memory, loader, linker, & initializing class.
- ② responsible

Heap Memory :- Runtime object created is allocated in heap memory.



① Out of heap memory.

② GC causing performance issue.

③ thread are blocked or deadlock.
- ... metric impact response time.

- ③ thread are s...
- ④ JVM metric impact response time

Ex:-

① memory leak Detected:
 Heap usage grows steadily → GC frequent → memory is never reclaimed
 ↓
 Suspect memory leak

GC → Major GC → (old gen.)
 → Minor GC → (Eden + Survivor space)
 ↓
 Happens very frequently