1. APM

2. Services.

3. Application Detection Rule.

4. Metrics.

5. Key Performance Metrics.

6. Injection Rule.

7. Apdex Ratio.

8. Error Code.

9. RUM.

10. Synthetic Monitoring.

Page fault :- when a program tries to access a portion of memory that is not currently in RAM.

Page fault
→ Minor page fault :- Page is not in address space but it is in memory. No disk I/O Needed

→ Major page fault :- Involve disk I/O.
Page is not in memory & must be loaded from disk.

Swap Usage → Space on a disk used when the Physical RAM is full.
It act as "Overflow memory".

Swap usage ↑ Memory pressure ↑

Ideally Swap Usage ↓ on well-optimised System.

XHR - XML HTTP Request / Fetch API Calls. in the browser.
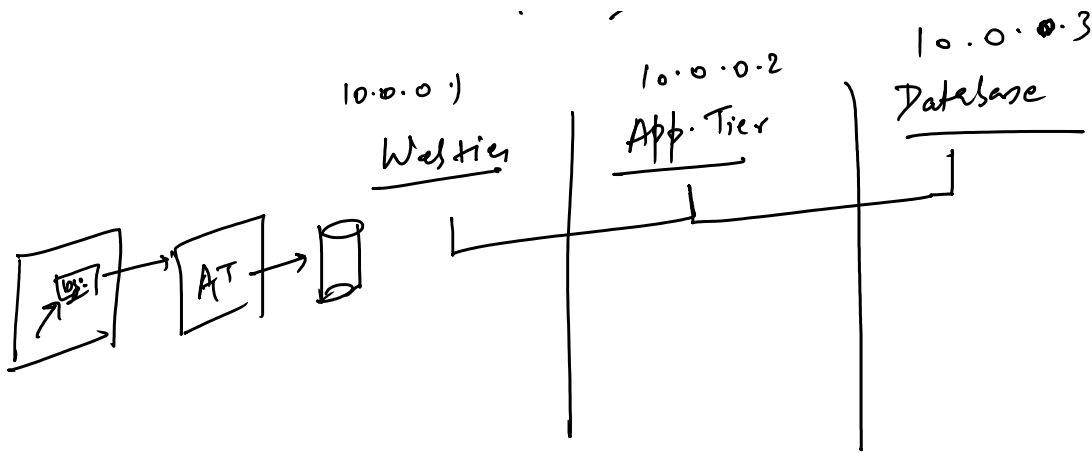
AJAX-Based App. (i.e. Single Page App.)
↓
where the page dynamically fetch data w/o a full reload.

10.0.0.1   10.0.0.2   10.0.0.3
) Database

10.0.0.1 — Web Tier
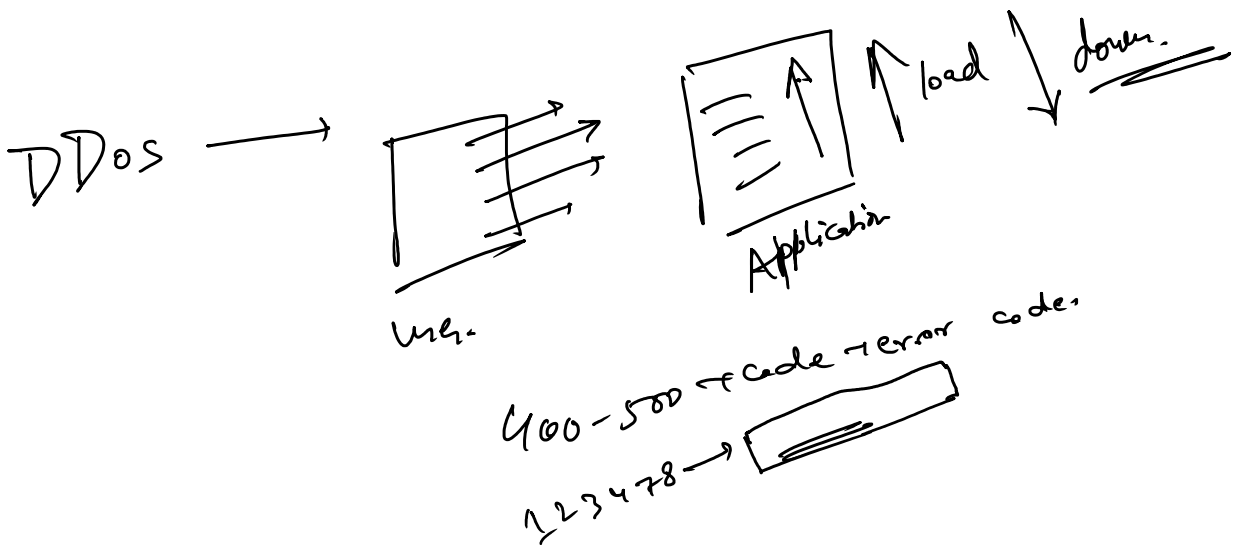10.0.0.2 — App. Tier
10.0.0.3 — Database

Apdex Rating :-

Based on the Performance threshold set, D T do the rating based on problem occurance.
ex, Page load, Image load.

0 - 0.5 → Unacceptable
0.5 - 0.7 → Poor
0.7 - 0.85 → Fair

0.85 - 0.94 → Good
0.94 - 1.0 → Excellent

① Satisfied User [less than 3s]

② Tolerating User [> 3s < 12s]

③ Frustrated User. [> 12s]

DDOS ⟶

User.

Application

↑ load ↓ down.

400 - 500 → Code → error codes.

123478 →

Synthetic Monitoring :- Simulate the user Behaviour.

Synthetic Monitoring:-   Simulate the user Behaviour.

    ① Availability
    ② Performance
    ③ functionality   monitored.

API :-   Get → fetching the data.
     Post → Insert your data in json/text
     Put → Modification of data.
     Delete → Delete the Configuration.
     Patch → Method will partially update the resource.

Type of Synthetic Monitoring:-

   ① Http → Hit the URL & get the data in json whether URL loading
       or Not.

   ② Browser → Simulate the user impact.

   ③ Network monitoring → N/w Availability. ex→ Pings, ICMP etc.

Two type of App:-

   ① Internal App:- Timesheet, Account - within N/w - Not
                          accessible via Internet.

   ② Public facing App - Accessible via internet.
                      eg. google, facebook, instagram.

                                       Achive
Internal app. →   N/w → Environment gate
                                ↳ Private Synthetic
                                  Monitoring.

Tomorrow!:-

   ① Synthetic Monitoring.
          ____ent zone.

                                       ⑦ Windows Monitoring.

1. Synthetic Monitoring.
2. Configure Management zone.
3. Create workflow.
4. Anamoly detection & metric event or Custom Alert
5. Task Alert Profile.
6. Event Integration.