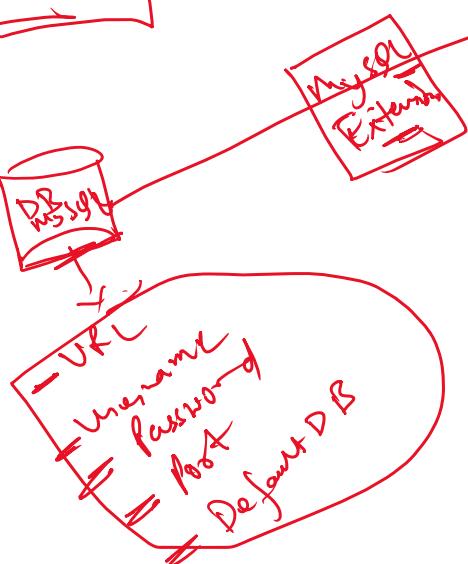
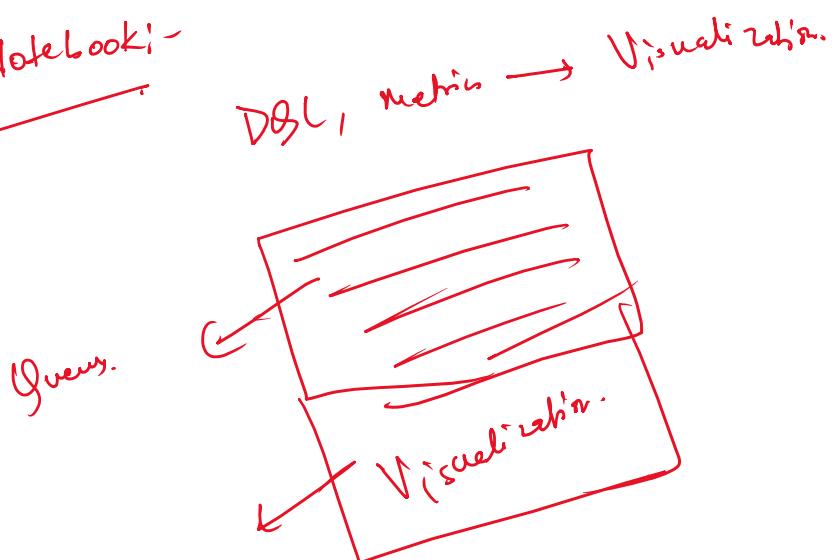


Notebook:-

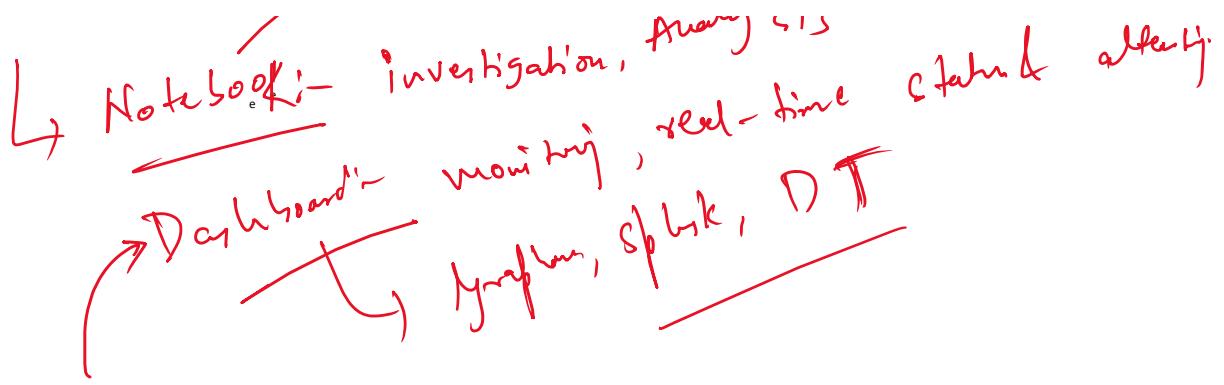


μs - microsecond  
 $\mu s$

μs = microsecond.  
ms = millisecond

1 millisecond (ms) = 1,000 microseconds ( $\mu s$ )  
1 second = 1,000 milliseconds

Notebook:- investigation, Analy sis  
... time chart & alert.



## Workflow:-

- Automation engine in dynatrace or chesterate tank.

flow chart creation.

## Components:-

- ① Trigger - Workflow start.
- ② Tasks / Action - Step performed after trigger fires.
- ③ Conditions & Branching - Else condition.
- ④ Integration - Services, Email, Slack.
- ⑤ Execution monitoring - monitored in real time.

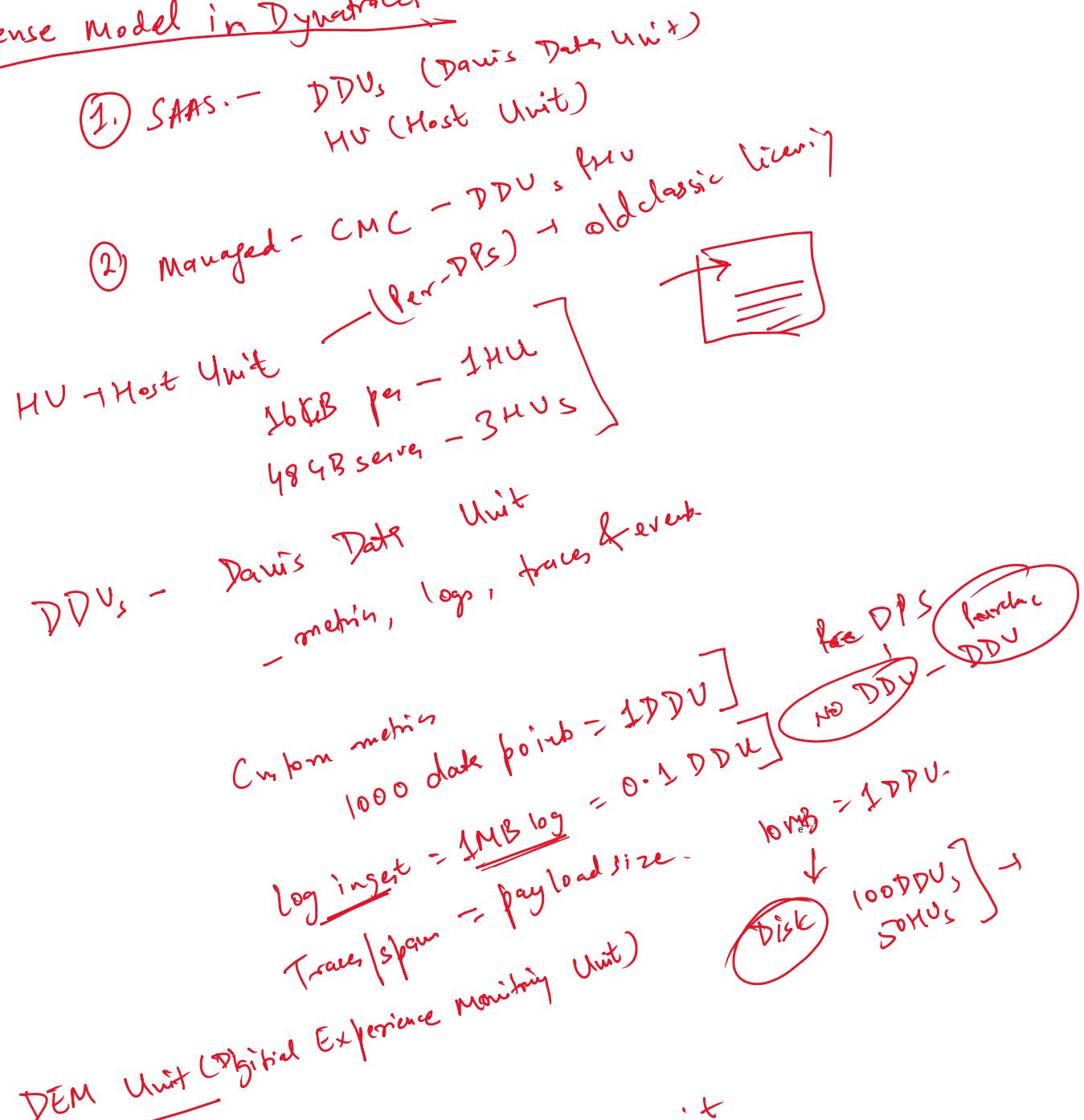
Why?:

- ① Automates incident response & remediation.
- ② Reduce manual effort.
- ③ faster MTTR (mean time to resolve)
- ④ Provide consistency.
- ⑤ Integrates mainly with ITSM (DevOps pipeline).

## License Model in Dynatrace -

.. Data units

## License Model in Dynatrace

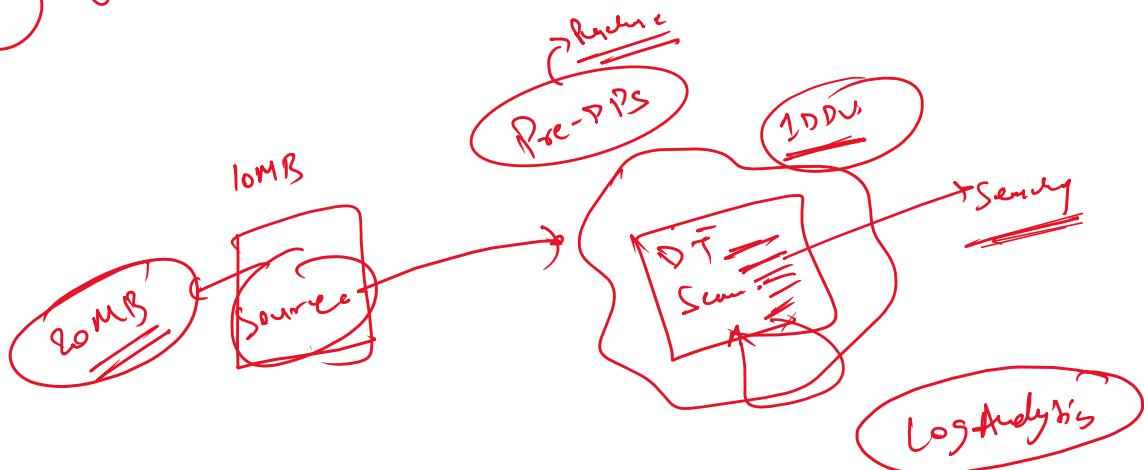
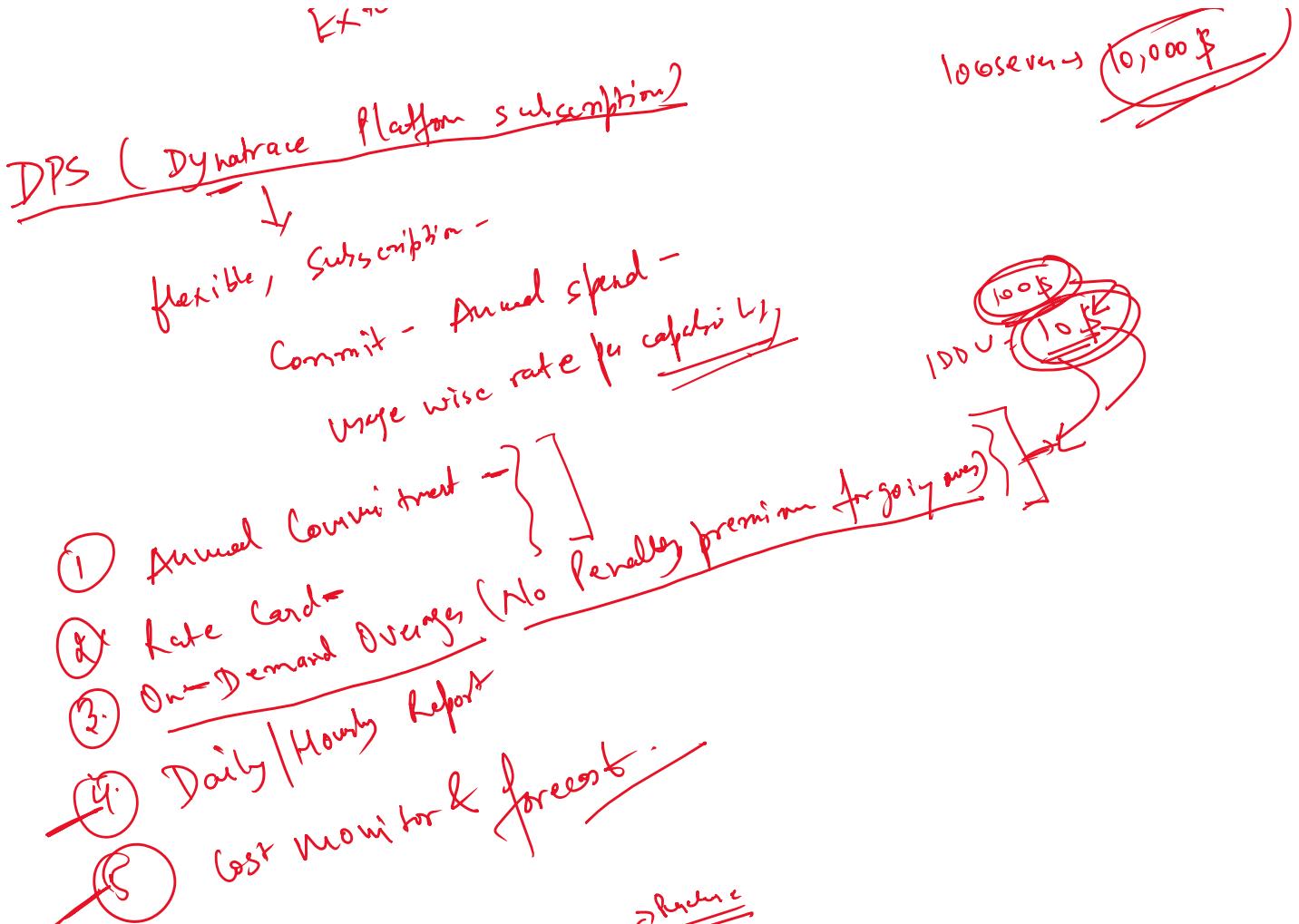


- ① RUM
- ② Synthetic
- 1000 web VM sessions = 1 DEM unit
- 1000 synthetic reg. = 1 DEM unit
- Session Replay (DEM unit)

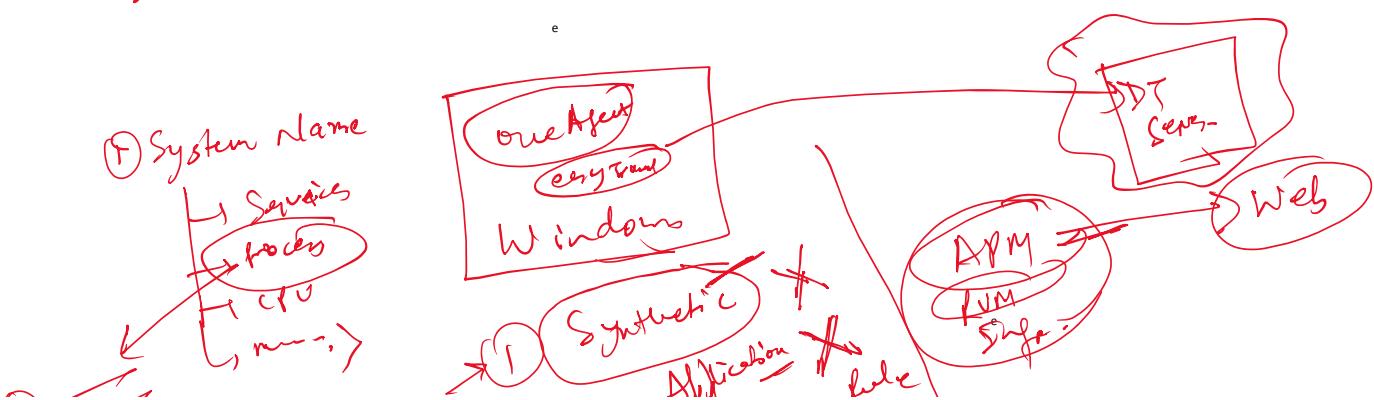
Security module - (Application Security)  
Extender - SNMP, - DDPU metric

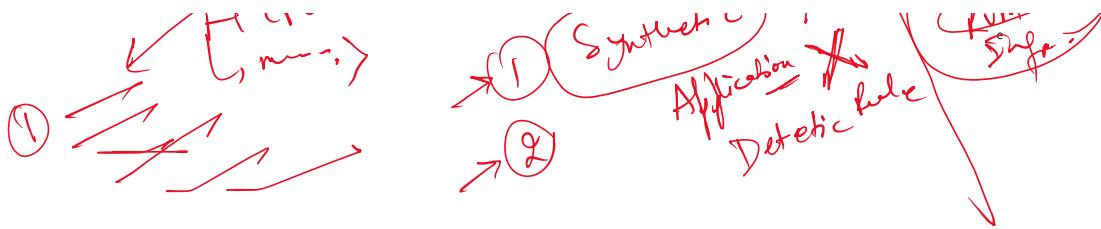
. . . . .

100 servers → (10,000 \$)



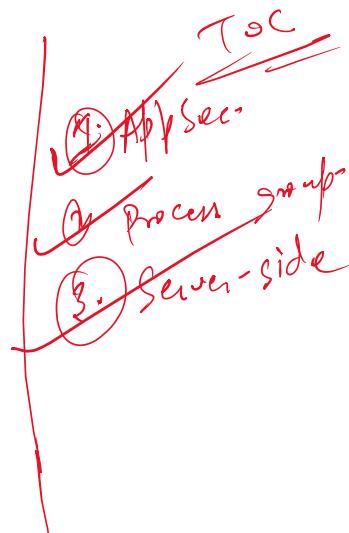
## ① Synthetic





Notes:-

- ① Extension with splunk
- ② Transaction Based Monitoring
- ③ Mq queue
- ④ DPL



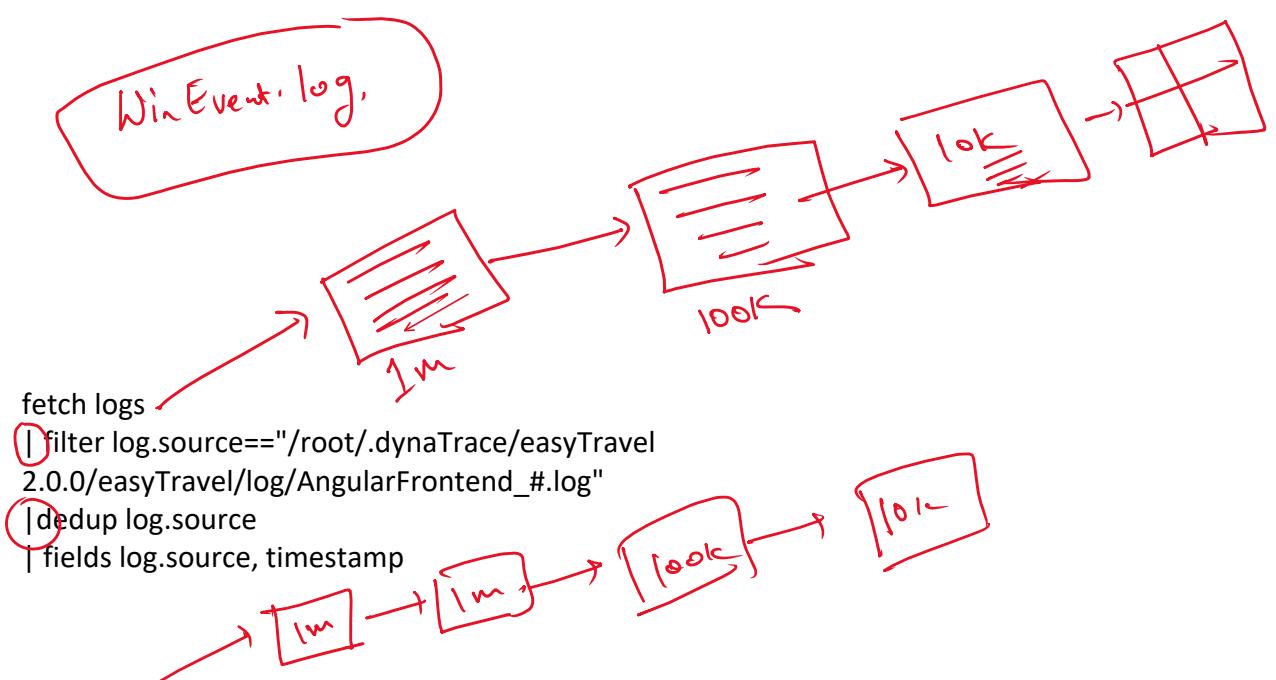
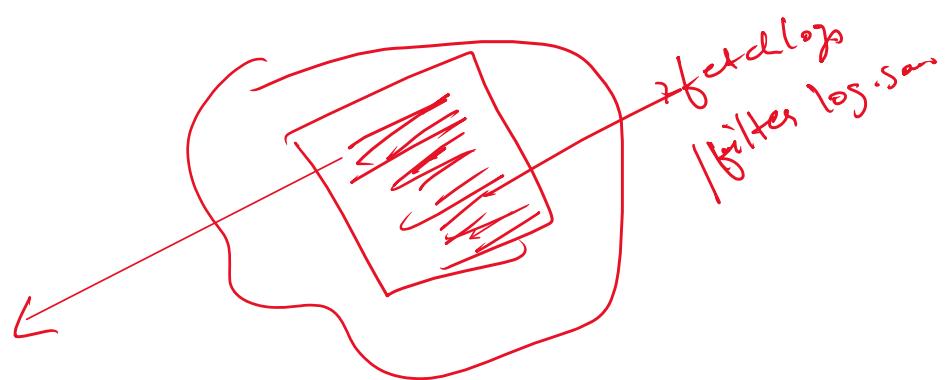
Application Security observes security domain in the security detect vulnerability & risks in your off 3rd party libraries.

### Key Capabilities

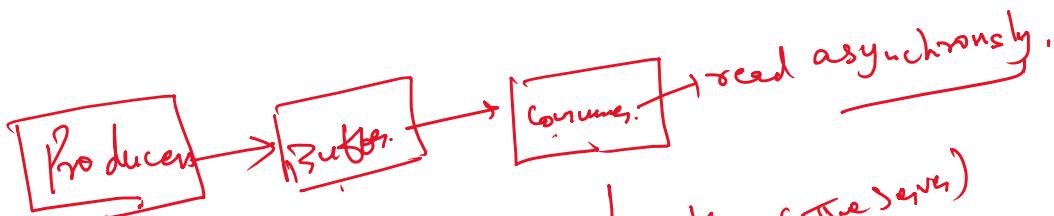
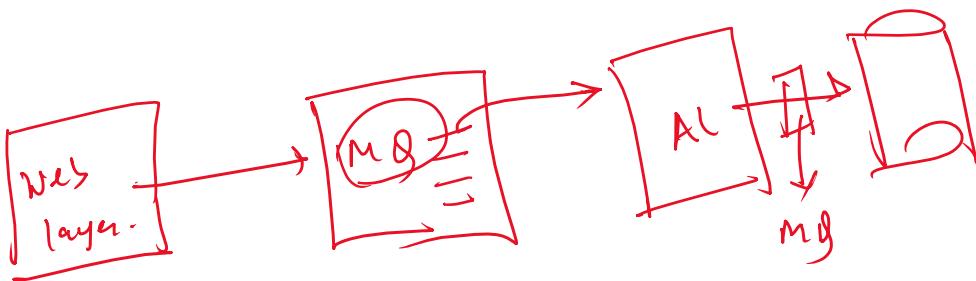
- ① Runtime vulnerability detection - CVE
- ② Third party library risk analysis - CVES (Type, Nv, Nodejs)
- ③ Automatic Prioritizations - Davis AS
- ④ Cloud Native & Container Security
- ⑤ Threat Context & Attack Detection
  - ↳ Detect code execution attempt, injection attack, explor. weaknesses at the runtime.

license:- ASUs (Application Security Unit) under the classic Model.

ee  
 Datetime = httpdate  
 line = UD  
 Integer = TXT



fetch logs  
 | fields log.source, timestamp  
 | filter log.source=="/root/.dynaTrace/easyTravel  
 2.0.0/easyTravel/log/AngularFrontend\_.log"  
 | dedup log.source



① Producer | consumer | Brokers (The Server)

② Queue | Topic → Point to Point (Queue)

                            | Pub/Sub (Topic)

                            | partition offset - Ordering within a partition.

③ partition offset - Ordering within a partition.

④ Delivery Semantics:-

                            | idempotency restriction.

⑤ ACKs, DLQ | message queue

                            | at least one → duplicate are possible

- ① RabbitMQ
- ② Apache Kafka
- ③ AWS SQS | sns
- ④ Azure Service Bus

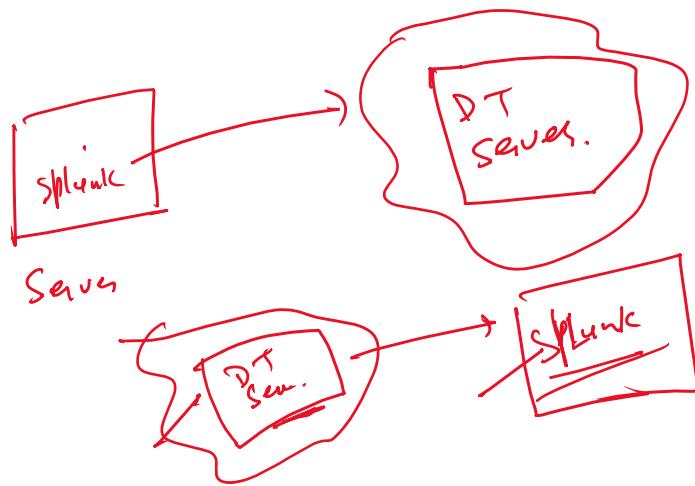
⑤ NatS

⑥ Tibco

IBM MQ

⑦

## ④ Azure Service Bus



\* Transaction Based monitoring