

Splunk :- log Monitoring tool

- ① Alert
- ② Report
- ③ Dashboards
- ④ Knowledge object
- ⑤ MLKT (Machine learning toolkit)

- ✓ ① Log Monitoring
- ② Splunk APM
- ③ Splunk Observability
- ✓ ④ Splunk ES
- ✓ ⑤ Splunk IT SI
- ⑥ Splunk MLTK
- ✓ ⑦ Splunk SOAR
- ⑧ Splunk UBA
- ⑨ Splunk Vector

Adv. :-

- ① Ingest data from any source.
- ② " .. of any Data Type
 (XML, JSON, txt, csv, etc.)
 ↳ Structured / Semi-structured / Mixed Data
 ↳ CSV ↳ XML / JSON ↳ CSV + JSON ↳ CSRT + XML

③ Customer Support.

④ Transformation.

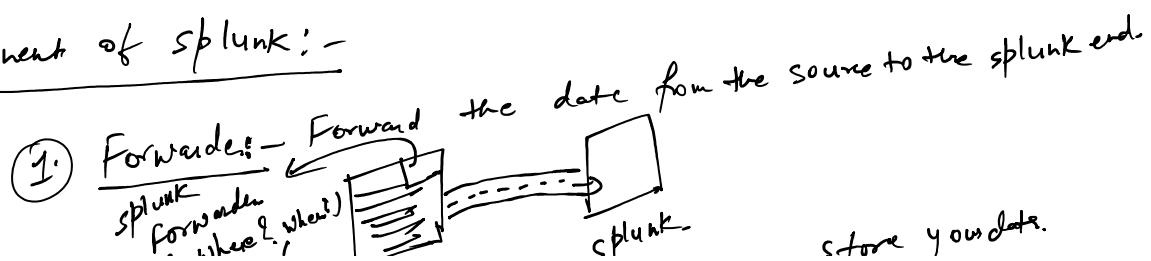


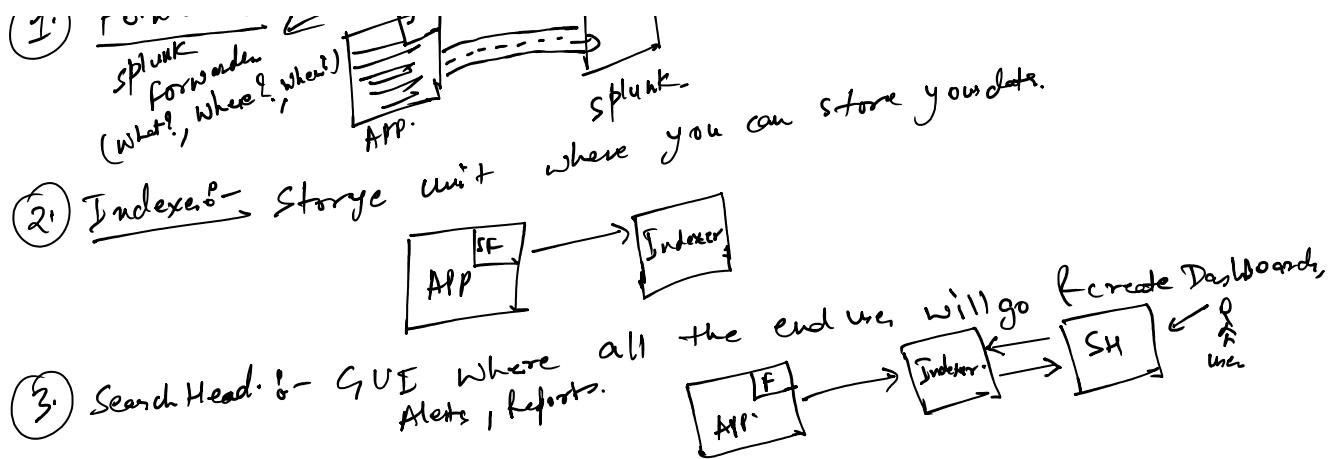
1 PM EST - Lunch Break
 11:30 AM EST - Tea 1
 3:30 PM EST - Tea 2.

Disadv. :-

- ① Cost of license.
- ② Separate setup for every feature.

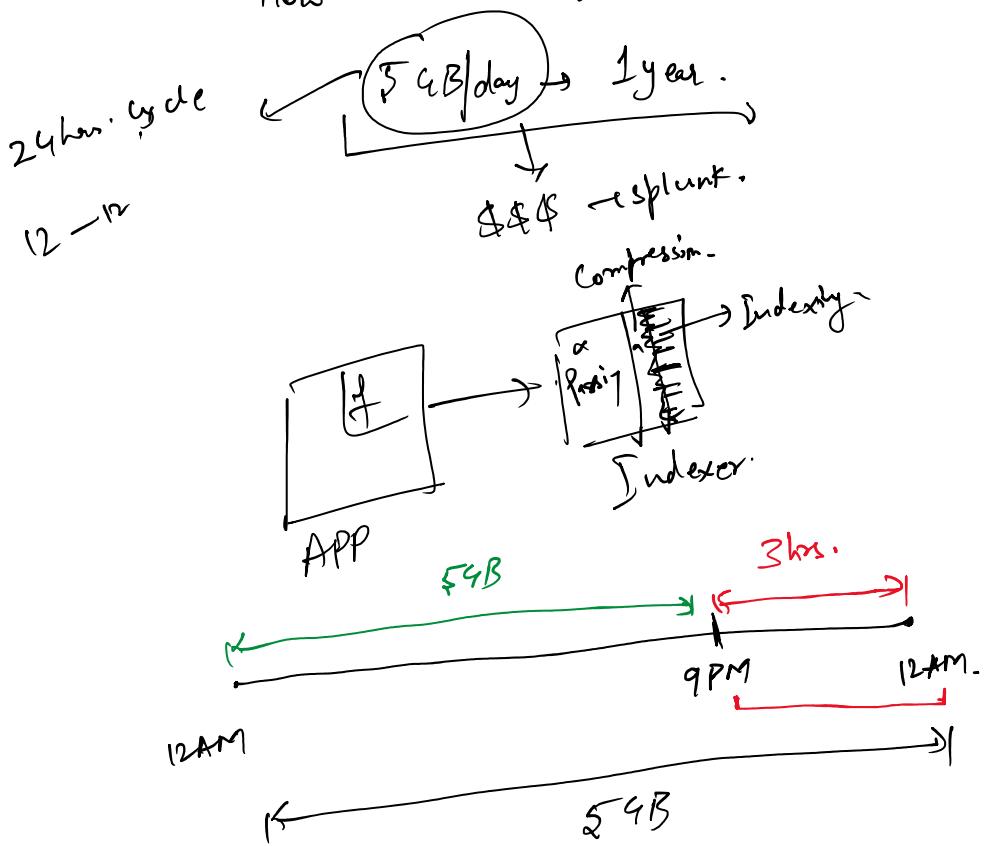
Components of Splunk :-





(4) License Master :-
What is parameter on which license is calculated?

How much data ingested in splunk on a daily Basis

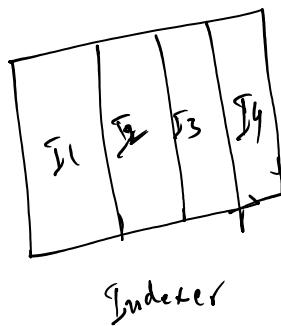
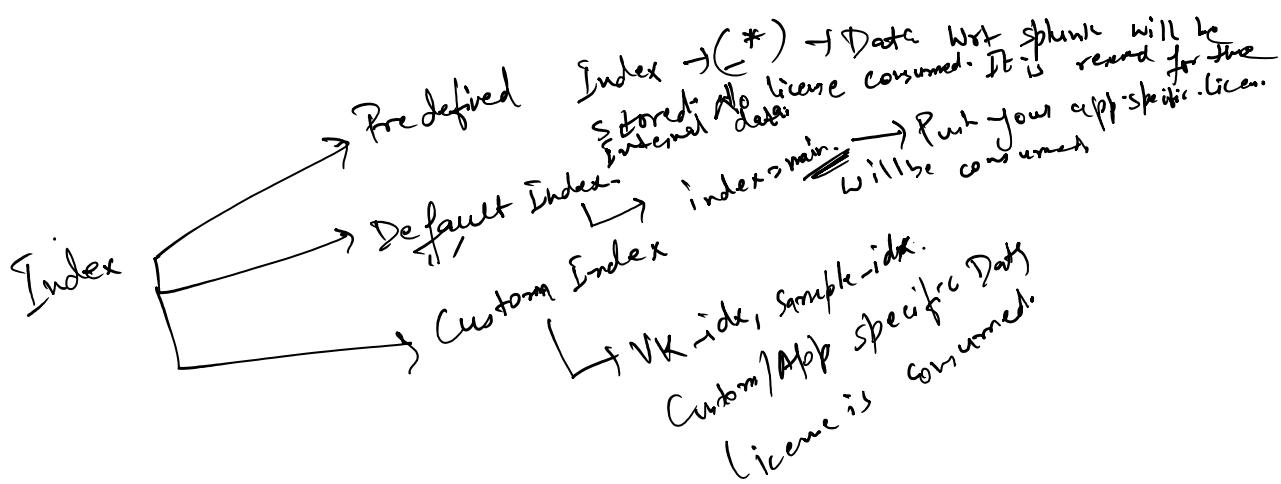
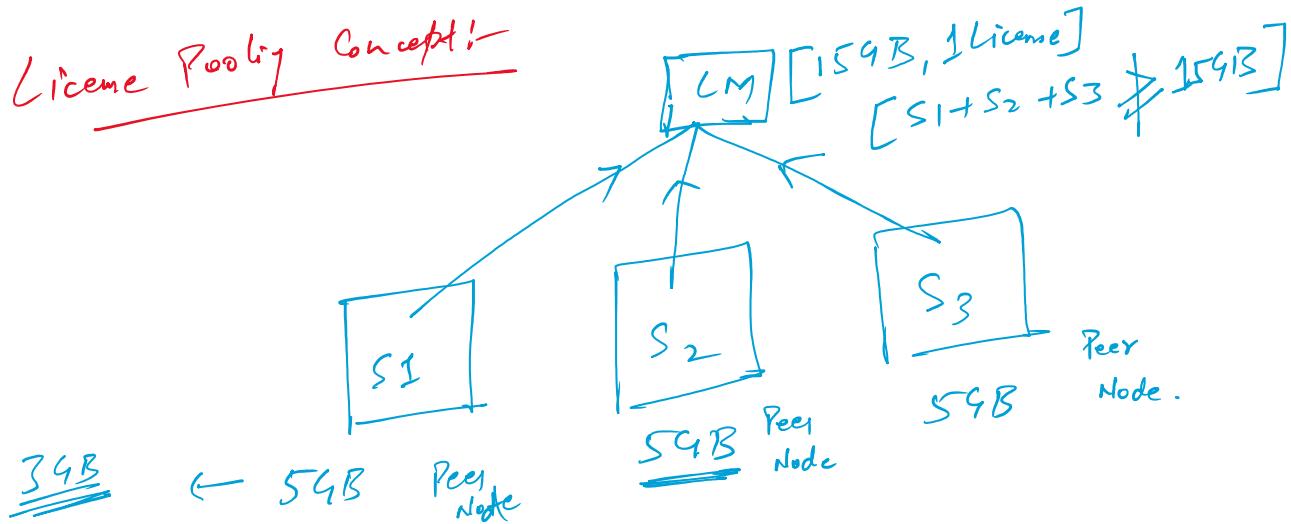


~~Blacklist~~ → 5 times → Violation → 30 days.

$$2 \text{ times/month} \rightarrow 2 \text{GB} \times 2 = 4 \text{GB} \times 12 \text{ Months} = 48 \text{GB data.}$$

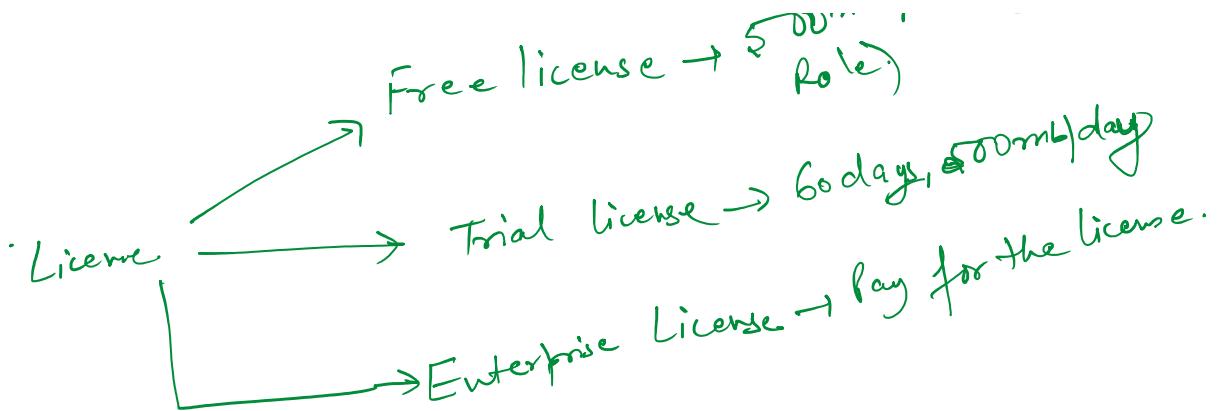
Free of Cost

License Pooling Concept:-



Search Mode:-

- ① Fast Mode - Pull the list of events.
 - ② Smart Mode - Pull the event + Extract the field.
 - ③ Verbose Mode - Pull all the event.
 1. Pull the list of events.
 2. Extract the field.
- Free license → 500mb/day (Realtime, Authentication, Not work like Role)



Commands:-

- ① Table.
- ② Rename.
- ③ stats.
- ④ eval
- ⑤ fillnull
- ⑥ sort
- ⑦ addcoltotel
- ⑧ addtotel
- ⑨ chart
- ⑩ timechart

- ⑪ append
- ⑫ conversion-
- ⑬ string
- ⑭ comparison & condition
- ⑮ info
- ⑯ mathematical
- ⑰ cryptographic.

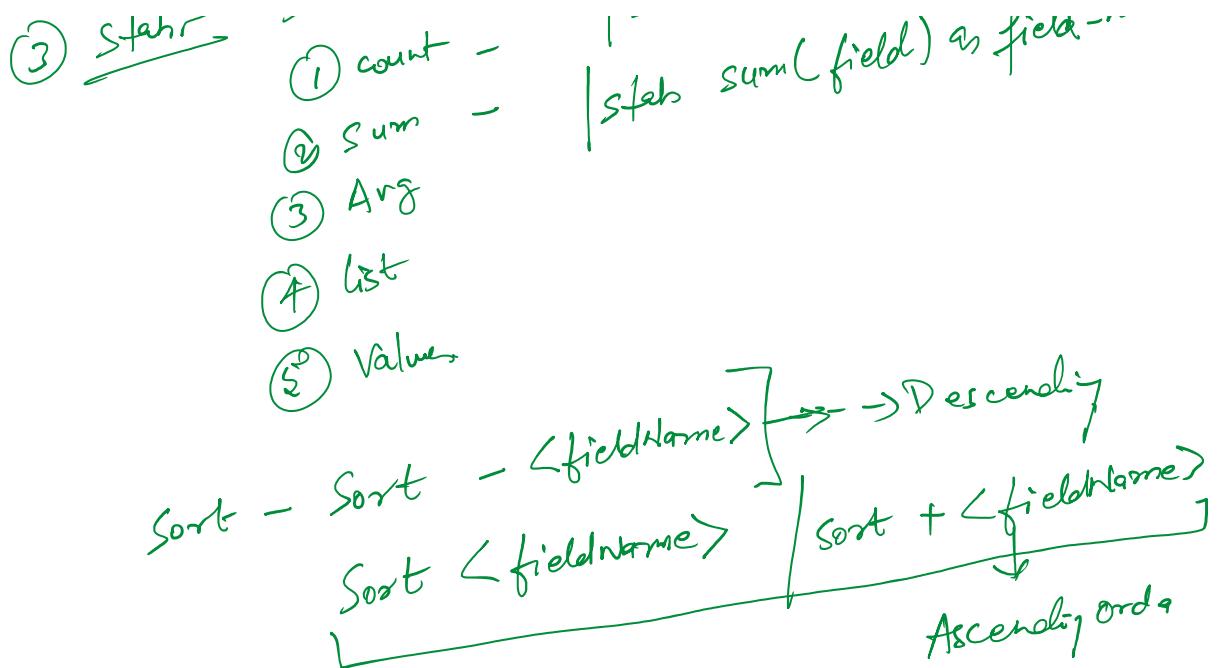
⑯ Transaction:

- ⑯ Multimv
- ⑰ mvexpand
- ⑲ makemv

① Table:- tabular output
 Synt: Table $f_1, f_2, f_3 \dots$
 rename $\langle \text{old name} \rangle \text{ AS } \langle \text{new name} \rangle$

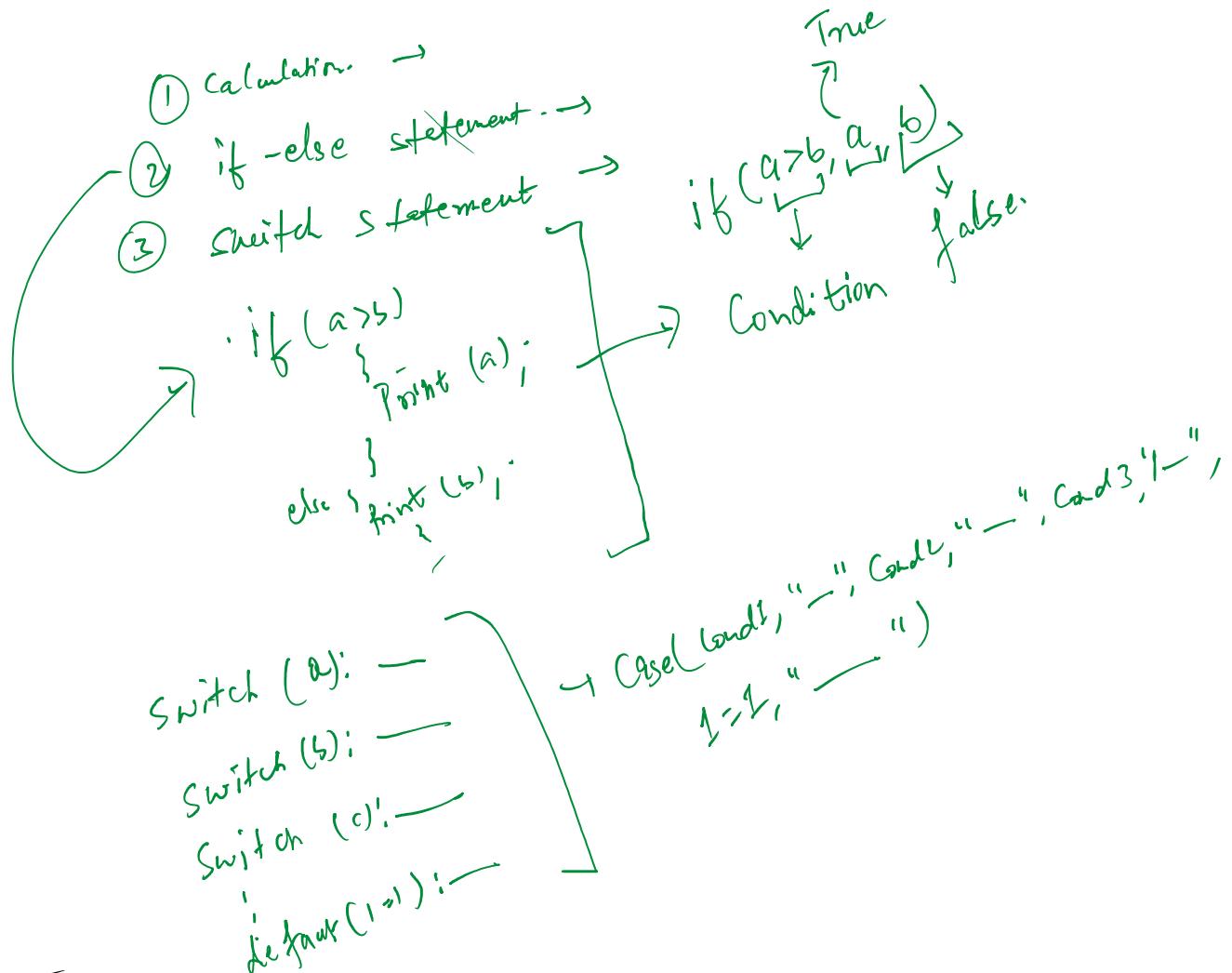
② Rename:-

③ Stats:- statistical output
 ① count - | stats count | split by asset-id.
 - | stats sum(field) as field-name.



④ Eval:- eval command used for evaluation activity.

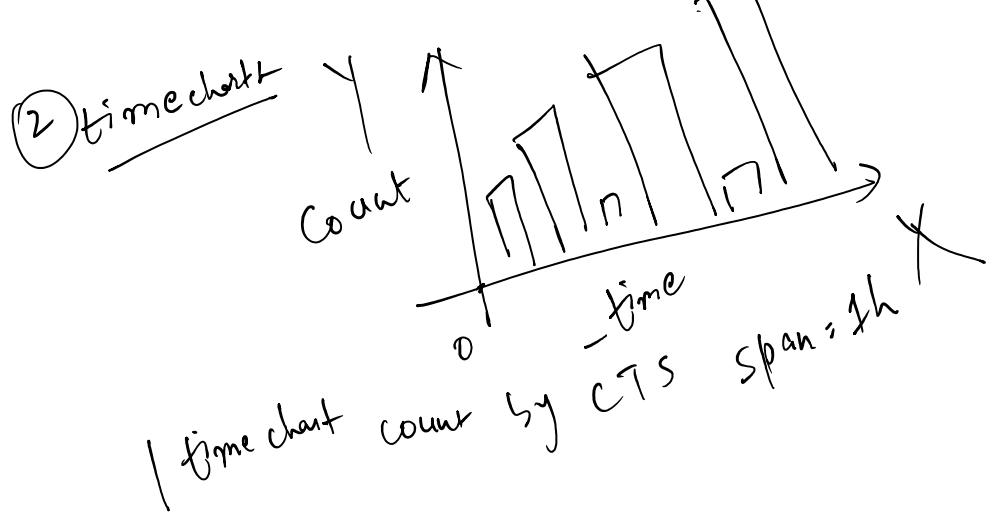
int
var
str } eval [a] = Calculation



Visualization

① chart:

chart count by current-ticket-state
Y-axis
X-axis



③ Simple Value Single output in the Letters / Digit.

Add col total → Addition column wise.

Add total . → Addition row wise.