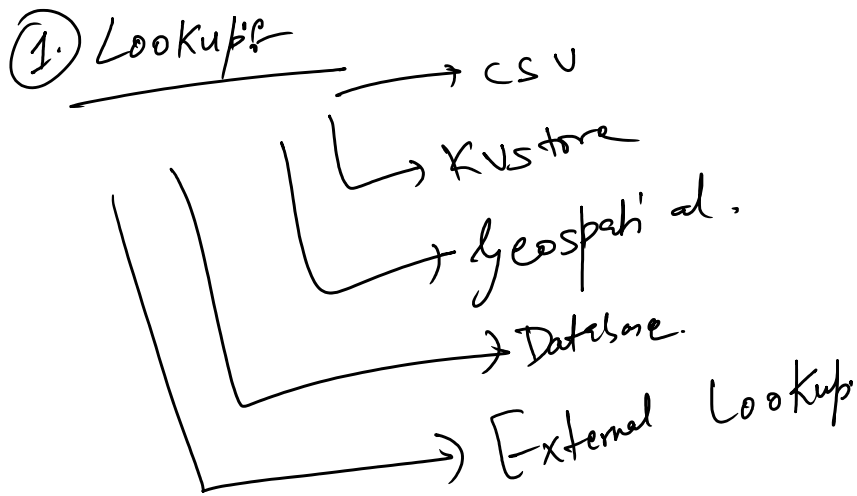


1. Lookup.
2. Data Model.
3. Dashboard.
 - ① classic Dashboard.
 - Static
 - Input Filter.
 - Panel
 - Drilldown.
 - Optimization



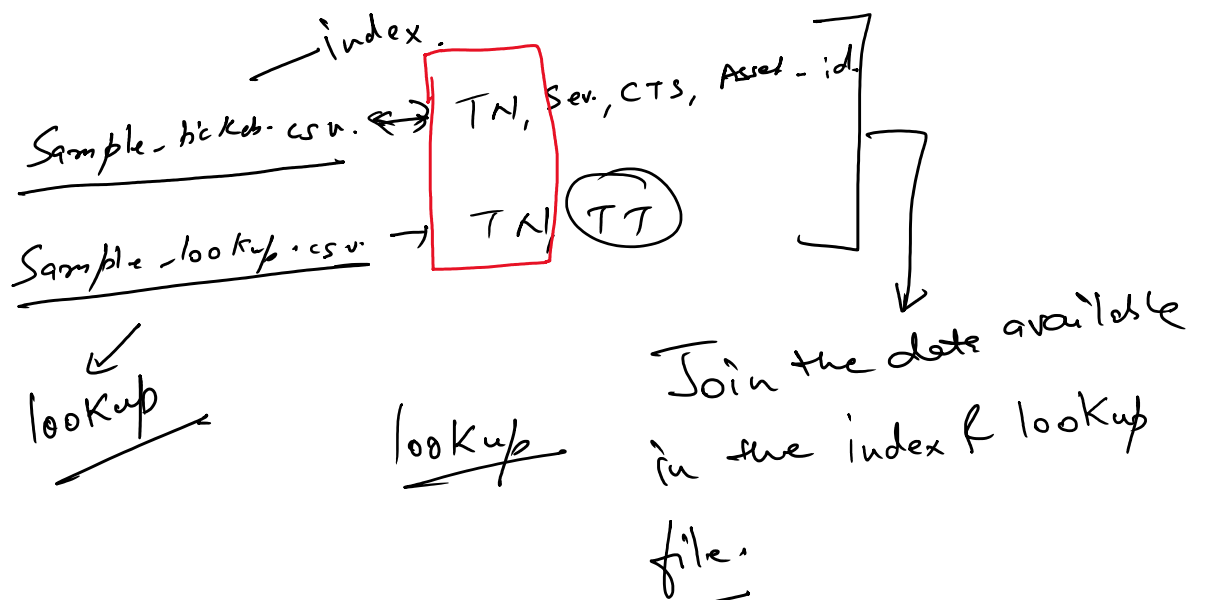
- ① CSV lookups—
- ① CSV file
 - ② static in Nature.
 - ③ Small file
 - ④ upload file in splunk.
 - ⑤ No License is consumed.

- ① upload lookup
- ② Lookup Definition.
- ③ Automatic lookup

Commands:-

- ① inputlookup - Search data inside lookup file.
- ② Lookup.
- ③ outputlookup.

① Sample - lookup.csv



Lookup Definition

Lookup → Search event

Scheme of the csv file.

Automatic lookup:- | lookup lookupfile → output

Automatic lookup → Template → unique field
output mapped to

Automatic lookup → Template → unique field
Output mapped to

Outputlookup:- look up / input lookup → View / Read the data from the lookup

Outputlookup → Write / update the entry in the lookup file.

② DataModel:- Increase the searching speed.

index = snow-idx. ←
→ fetching the event.
→ fully extracting of the fields.

index = snow-idx.
① All the list of fields
②

DataModel

① Define the required field in Advance.

② Hierarchical Concept.

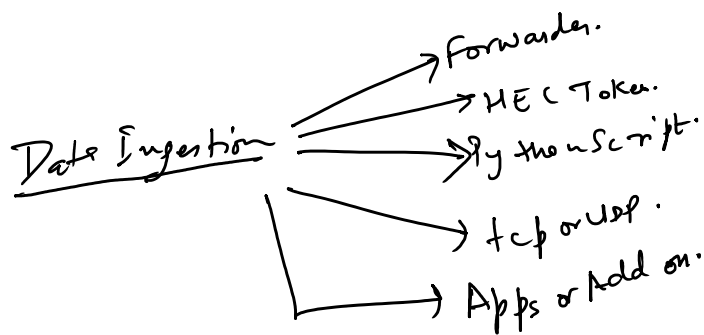
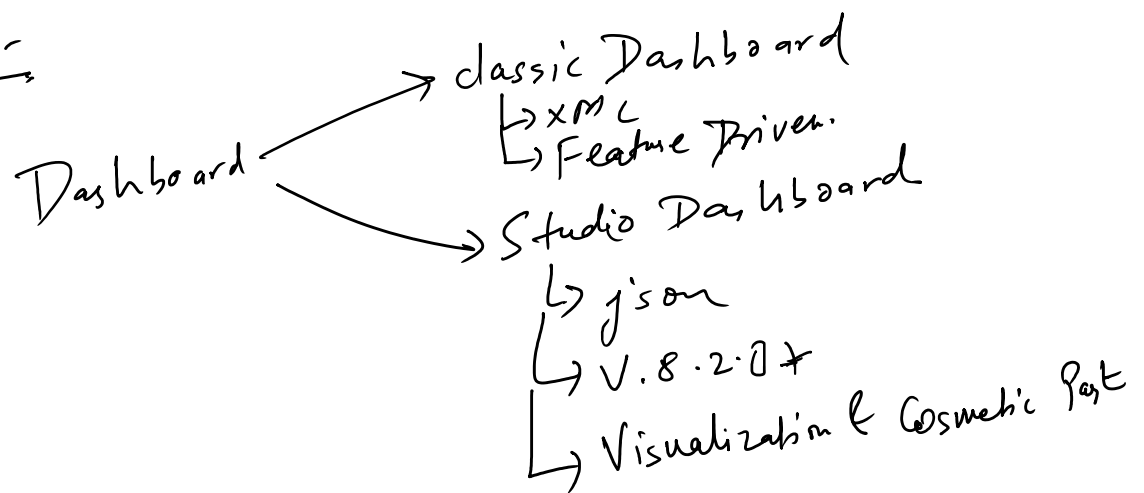
Root
└ child + c'
└ SC + c"
└ SSC + c'''

Pivot → way to visualize the Data.

But in Pivot, it will pick the dataModel only.

You need to have the dataModel to create a pivot.

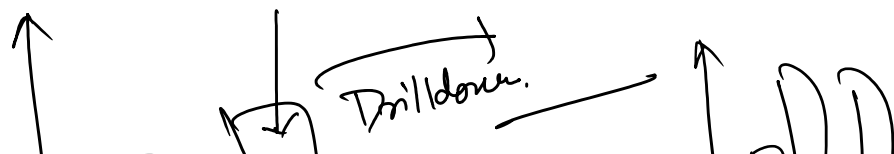
③ Dashboard:-



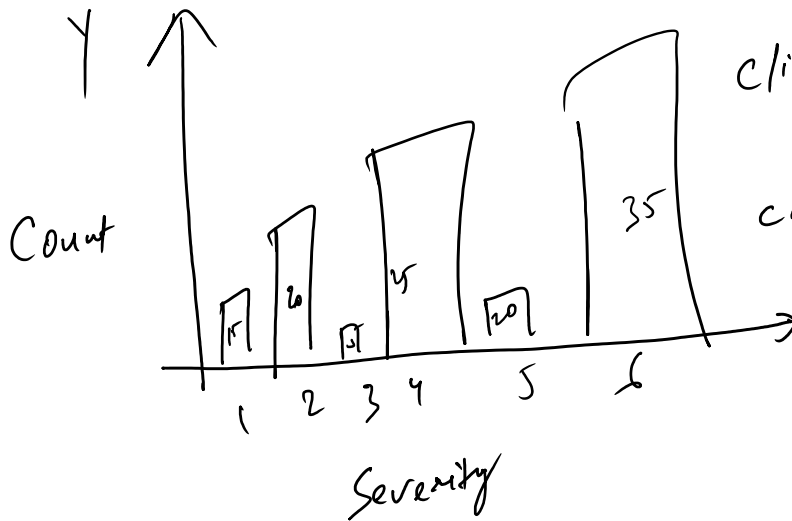
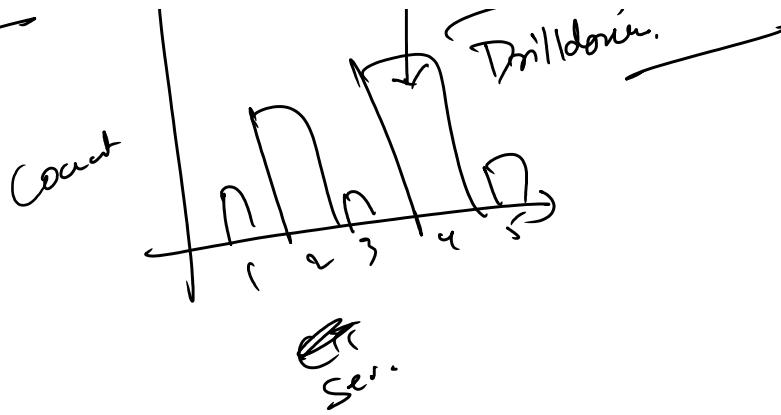
Input filter

- ① Filter.
- ② Token.
- ✓ ③ Pass the token to the dashboard.

Drilldown:-



Rollup.



click.name = X-axis
= severity

click.value = X-axis
= 1, 2, 3, 4, 5

click.name2 = Y-axis
= Count

click.value2 = Y-axis
= 15, 20, 5, 25, 35

Optimization:-

2 things :-

① Search Query level

② XML Level.

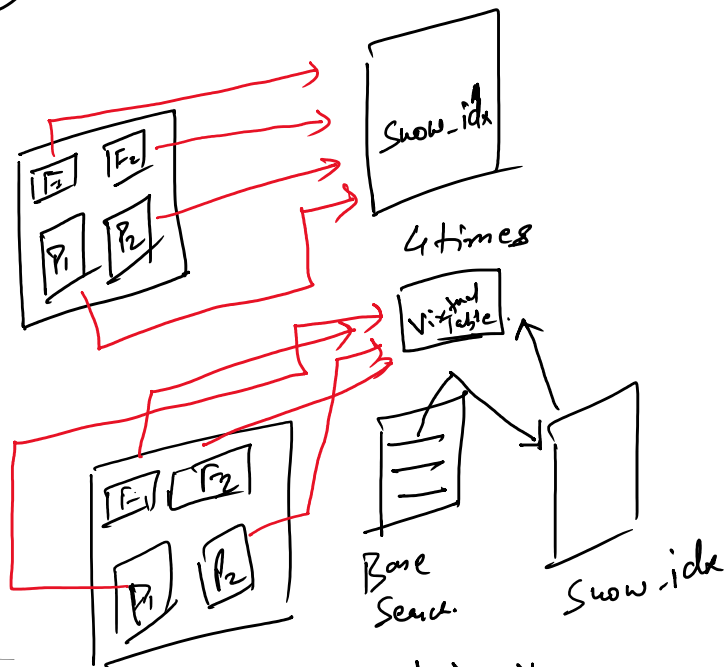
① CTR Level:- ① Heavy Command Append, join, spath etc.
- execution time ↑

- ① SPL Level:-
- ① Heavy Command F11
Invocation Cost ↑ Execution time ↑
 - ② Dedup Command - Remove duplicate
 - ③ stat/Rename → In the logt
↓
"Total time"

② Dashboard level:-

- ① Base Search
- ② Saved Search.
- ③ Summary Index.

① Base Search:-



Hit the index 4 times,
because of the Virtual
Table generated from base
Search. It will only hit
once. Now, all the Panel & Filter will
VT instead of splunk Index.

Com:- Whenever the refresh is going to happen, Base
Search will create the fresh Virtual Table.
in every 30m.

Com:- Whenever the search will run & create the fresh. At the call is happening & data is coming in every 30m. Even though refresh the same search, No New data will come, It will unnecessarily hit your index.

② Saved Search:- Schedule Save.
Main SPL Query will run at the schedule time.
No impact even though you refresh page multiple times.

③ Summary Index:-

Index = snow-index | Stats Count by Severity

Severity	Count
1	5
2	15
3	25
4	7

Summary
→
Index

→ No License Consumed.
Sc → Stash
↓
No New License Consumed.

~~Summary~~ Summary