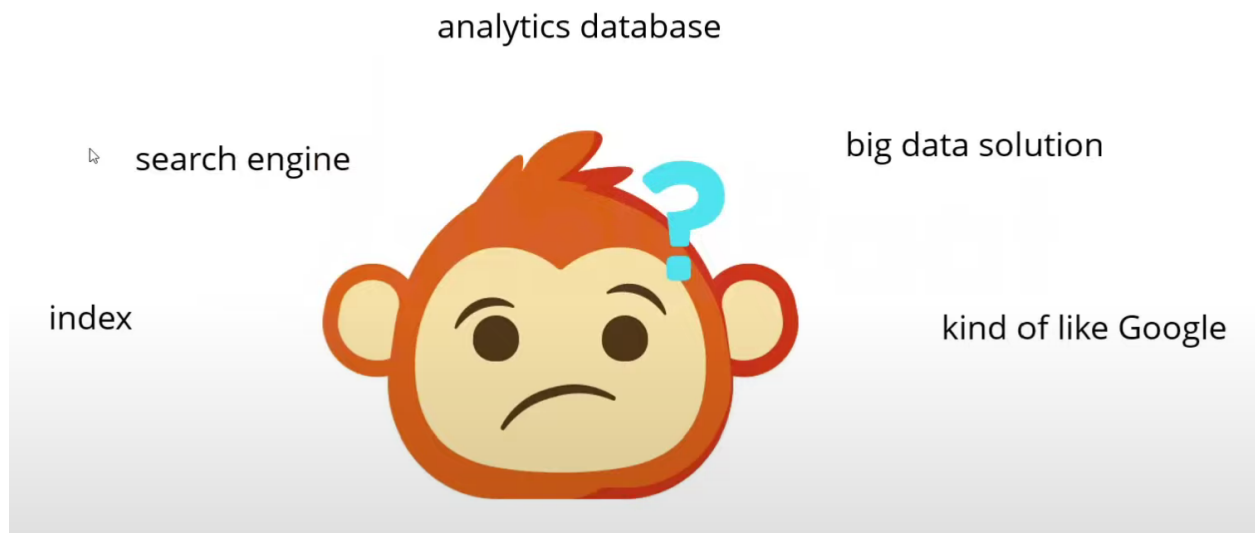
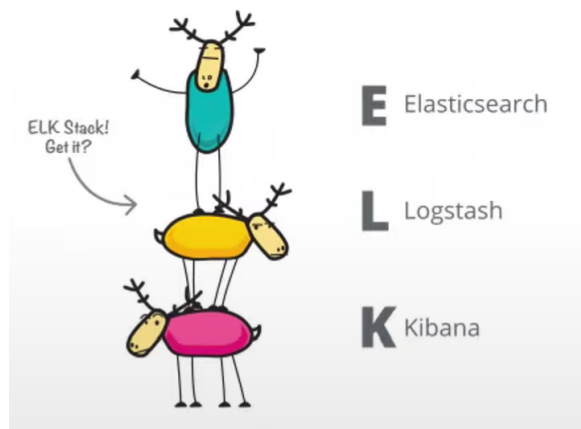


ElasticSearch



- [Installation guide](#)
- Based on Apache Lucene library.
- Written in JAVA
- Communicates using JSON - NoSQL distributed database in form of JSON documents.
- Most popular search engine - full text search
- Can interpret as server that can process JSON requests and returns a JSON response.
- We can store messages in JSON + expose REST API from *elasticsearch*.



- *Logstash* is a collector which collects data and allows streaming of the data in the pipeline.
- *Kibana* is a visualisation tool deployed for reports, statistics, etc.

Use Cases:

- Netflix - to monitor and analyze security logs.
- Ebay - text search.
- Walmart - customer purchase dashboard, visualisation.