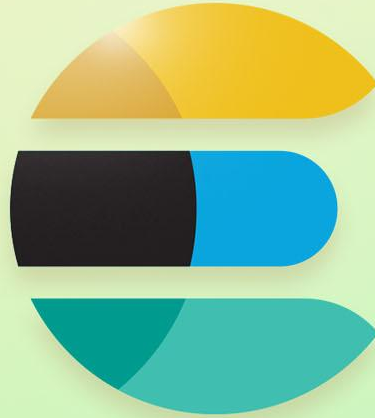


Elasticsearch vs OpenSearch





Apache License 2.0



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Elasticsearch & Kibana License Changes

- From version 7.11, Elasticsearch & Kibana changed from Apache License 2.0 to Service Side Public License (SSPL)
- The SSPL license ensures cloud providers collaborate with Elastic
- The source code is still publicly available
- The software is technically no longer considered “open source”
- Elasticsearch & Kibana is now distributed under the Elastic License
 - The core is still free to use. Some features require a paid license

Similar license changes



TimescaleDB



Neo4j



MongoDB



CockroachDB



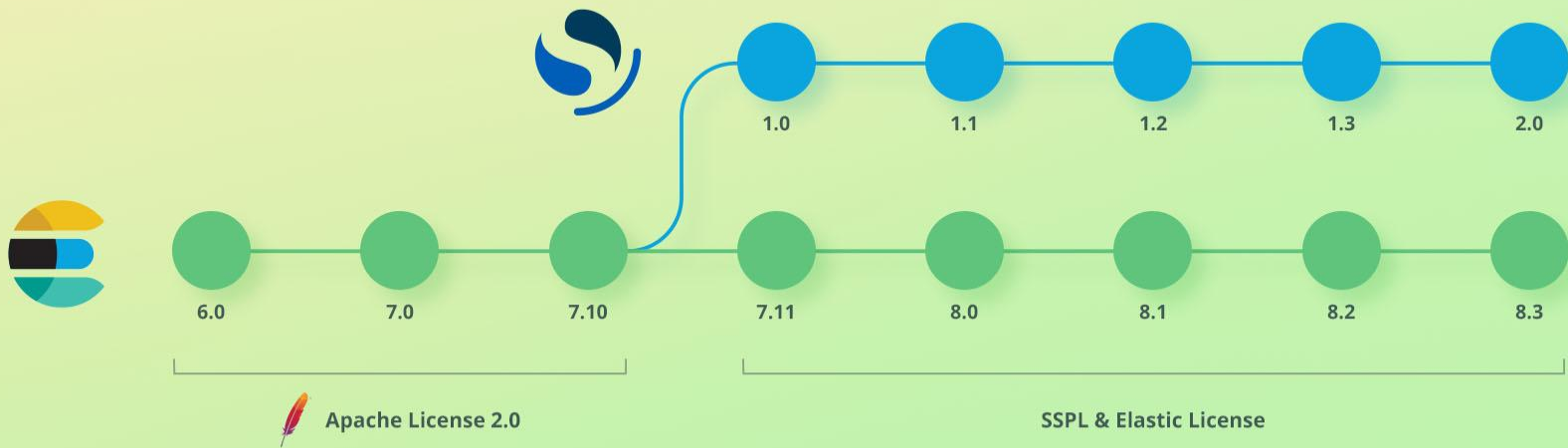
Graylog



Redis

The dispute (in my opinion)

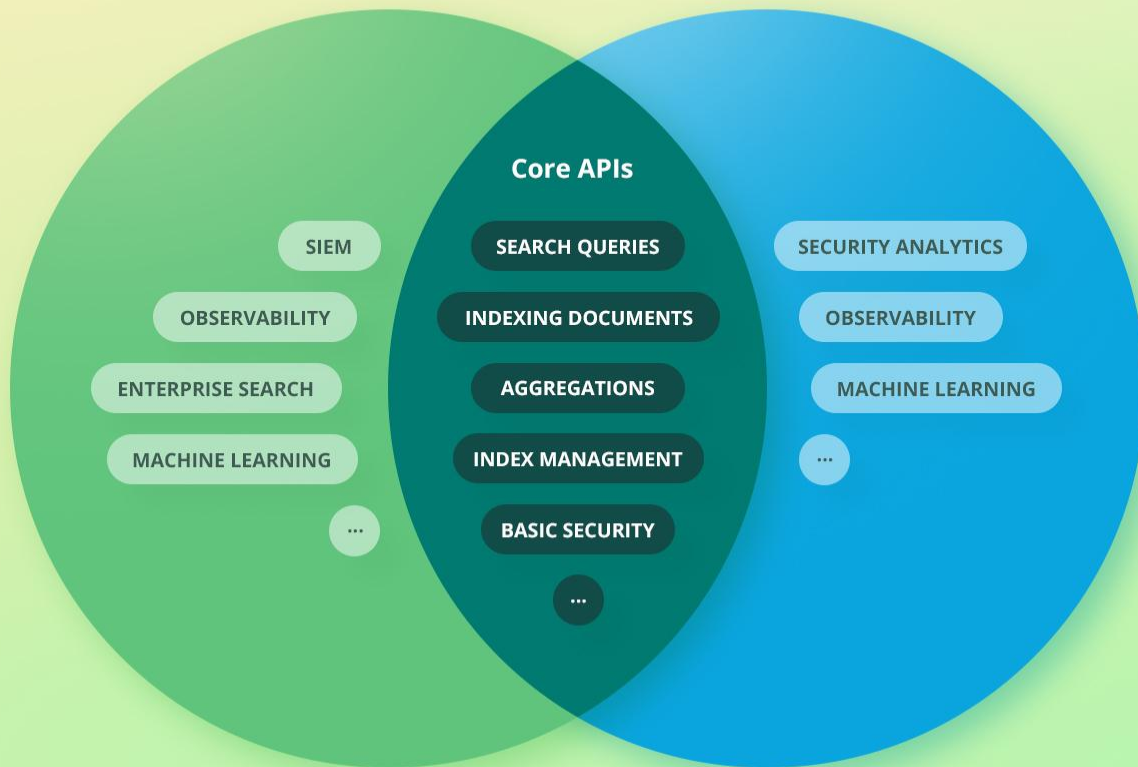
- Both Elastic and AWS have commercial interests!
- Elastic wanted to benefit from the success of Amazon's Elasticsearch Service
- AWS wanted more control and to make all features free
- Other companies contribute to OpenSearch, but AWS maintains control (and a trademark)
- Maybe the truth is somewhere in the middle?

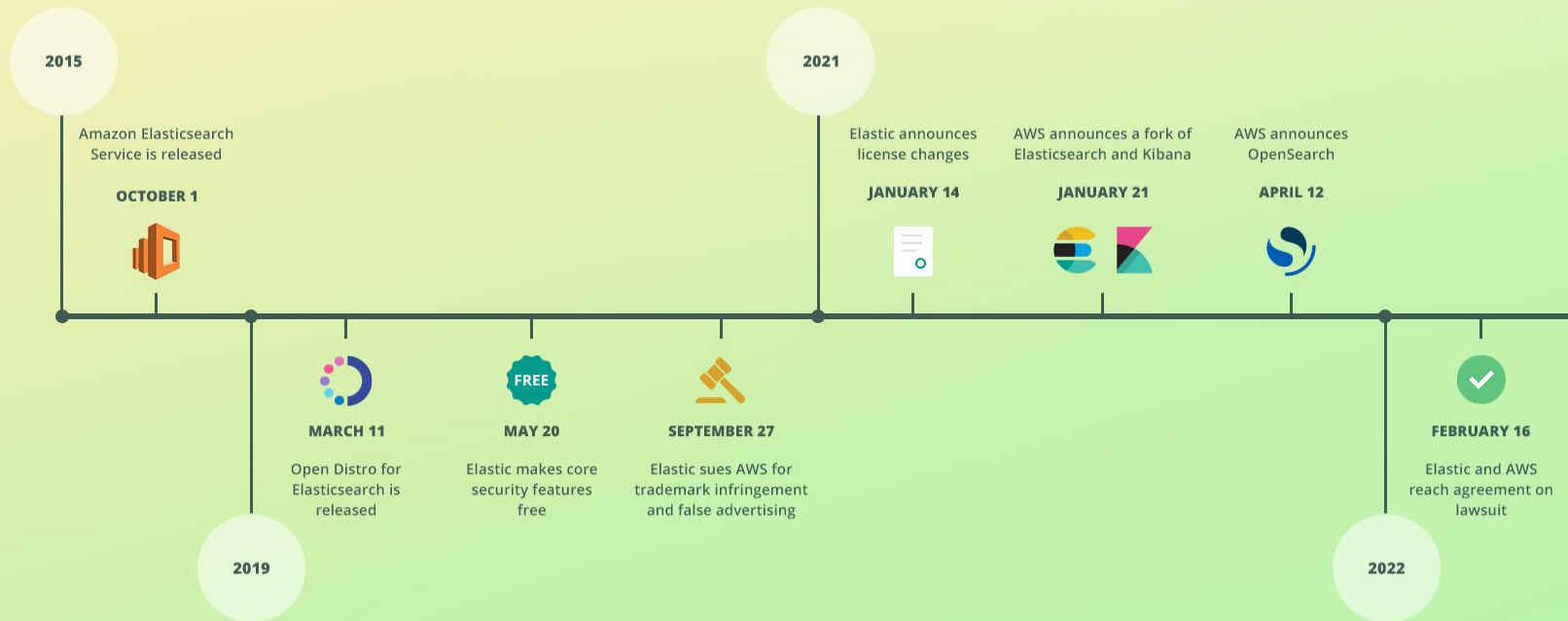




Elasticsearch

OpenSearch





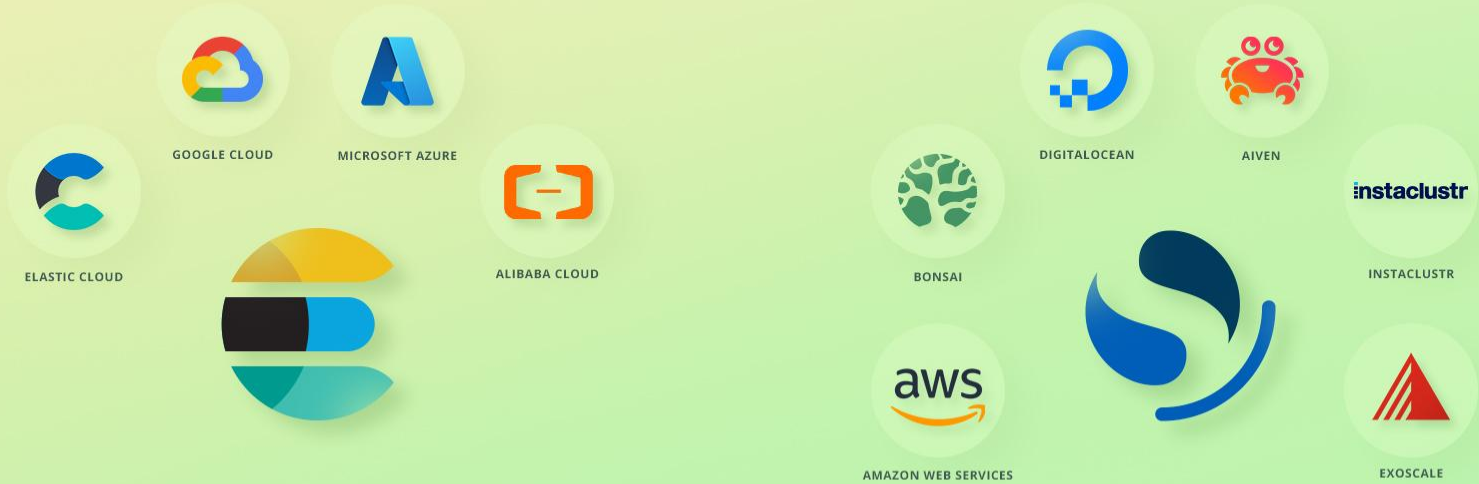
Which one should you choose, then?

- *"It depends..."*
- For this course, either one is fine; listen to your heart - or flip a coin 🤔
- I will use Elasticsearch & Kibana in the course
- Do you need to use the vertical solutions?
- How do you want to host your cluster?
- For core APIs, either one will work just fine
- Is Elastic's licensing a problem for you?

How do you want to host your cluster?

- For self hosting, Elasticsearch requires a license for some features
- Both can be hosted pretty much anywhere
- For managed services, check pricing and features
 - Also consider integrations with your existing cloud provider
- Elastic Cloud is built on top of cloud providers
 - Some native cloud integrations may be unavailable, e.g. AWS Kinesis
 - Licenses are “baked into” Elastic Cloud & Elasticsearch cloud services

Managed Services



Lecture summary (1/2)

- Elastic and AWS were in a dispute for a few reasons
- Open Distro for Elasticsearch added free features on top of the core Elasticsearch and Kibana distributions
- Elastic changed their licenses from Apache License 2.0 to SSPL
- OpenSearch is a fork of Elasticsearch and replaced Open Distro for Elasticsearch
- The Elasticsearch & OpenSearch core APIs are much the same

Lecture summary (2/2)

- Things to consider when choosing between Elasticsearch and OpenSearch;
 - Do you just need to use the core APIs?
 - Do you need to use the vertical solutions?
 - How do you intend to host the software in production?
 - Licensing
 - ...