



Introduction to Elasticsearch

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2021.06.23



Agen da

1. What is Elasticsearch

2. Feature of Elasticsearch

3. Others



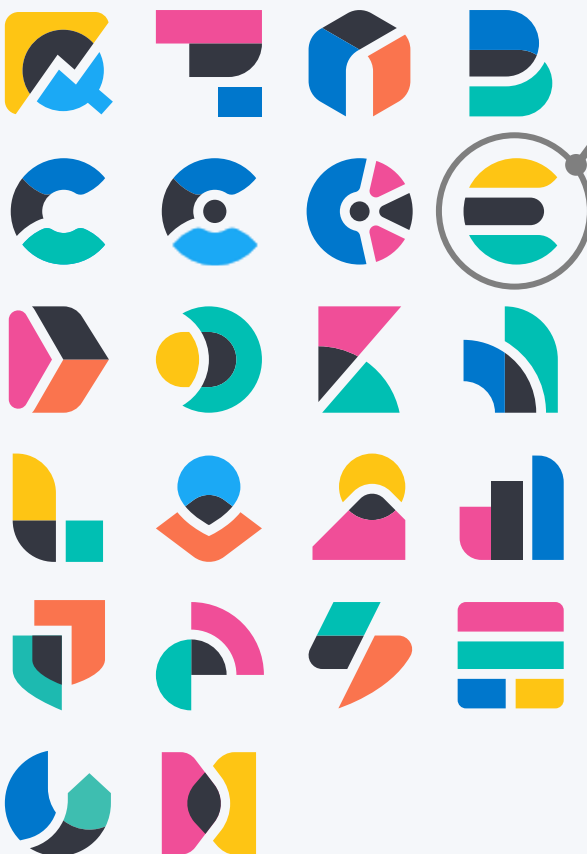
What is Elasticsearch



elastic



Elasticsearch



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elastic



Elasticsearch

- Open Source Distributed

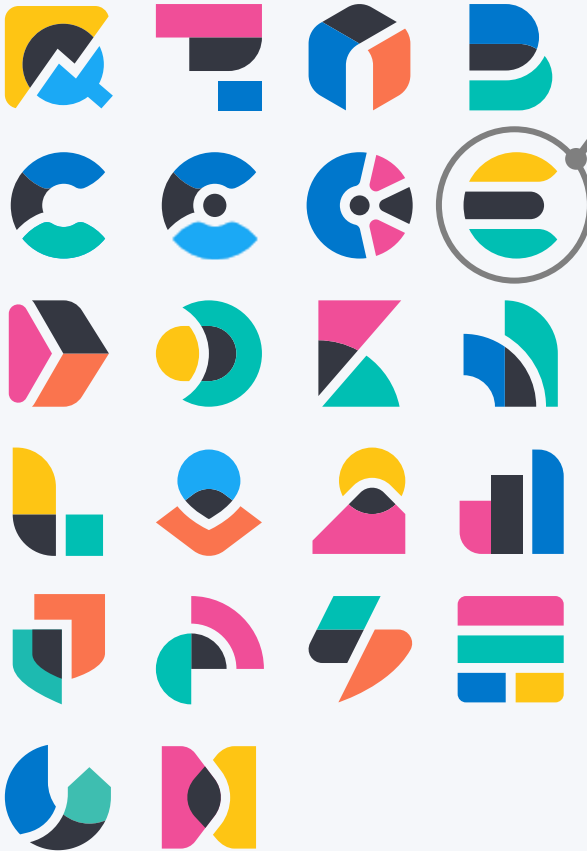




elastic



Elasticsearch



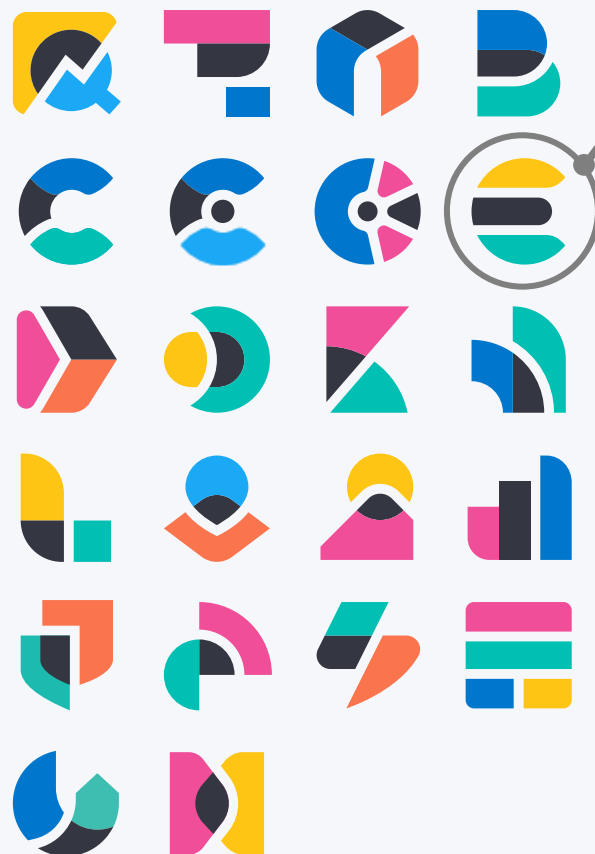
- Open Source Distributed
- NoSQL



elastic



Elasticsearch



- Open Source Distributed
- NoSQL
 - Document oriented



elastic



Elasticsearch

● Open Source Distributed

● NoSQL

● Document oriented



● Full-Text Search Engine

What is Full-Text Search ?

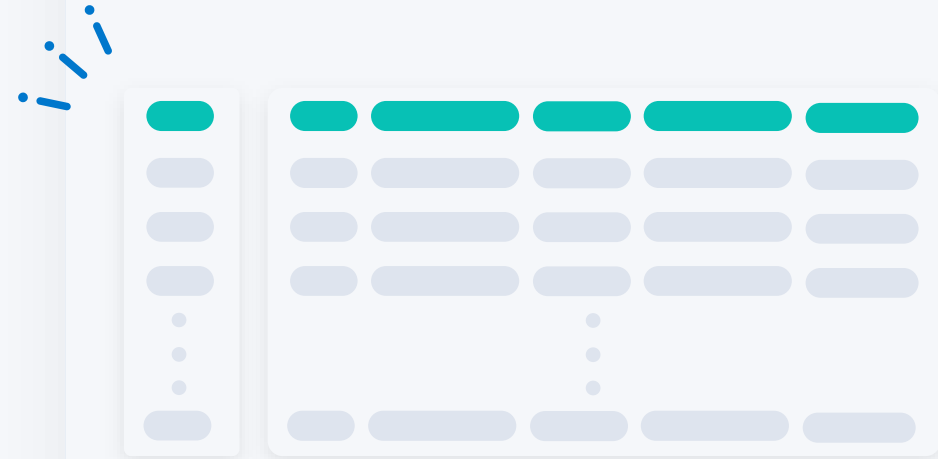
Like Search

- Full Scan



Full-Text Search

- Use Index



Adoption



NETFLIX



Uber



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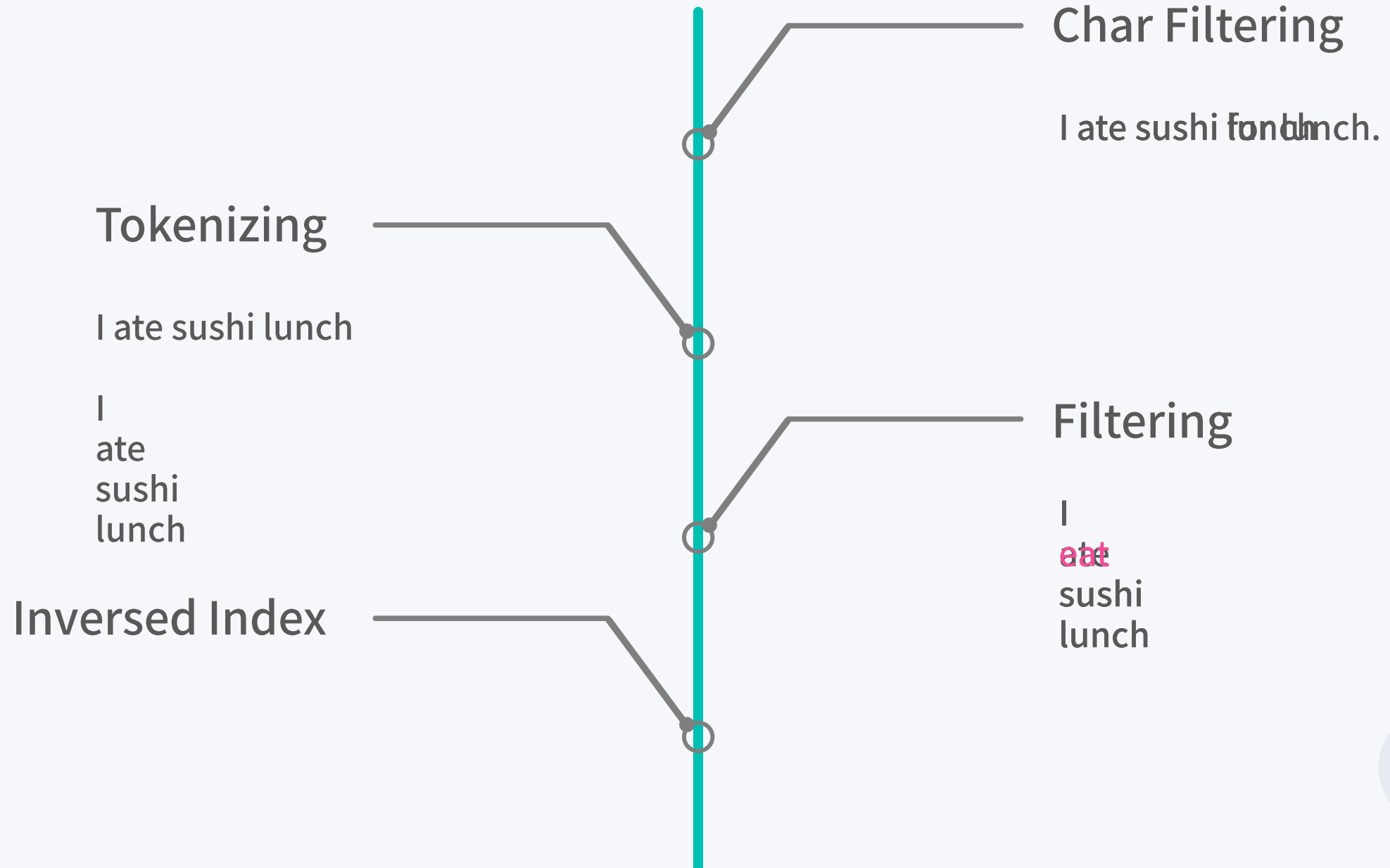
7



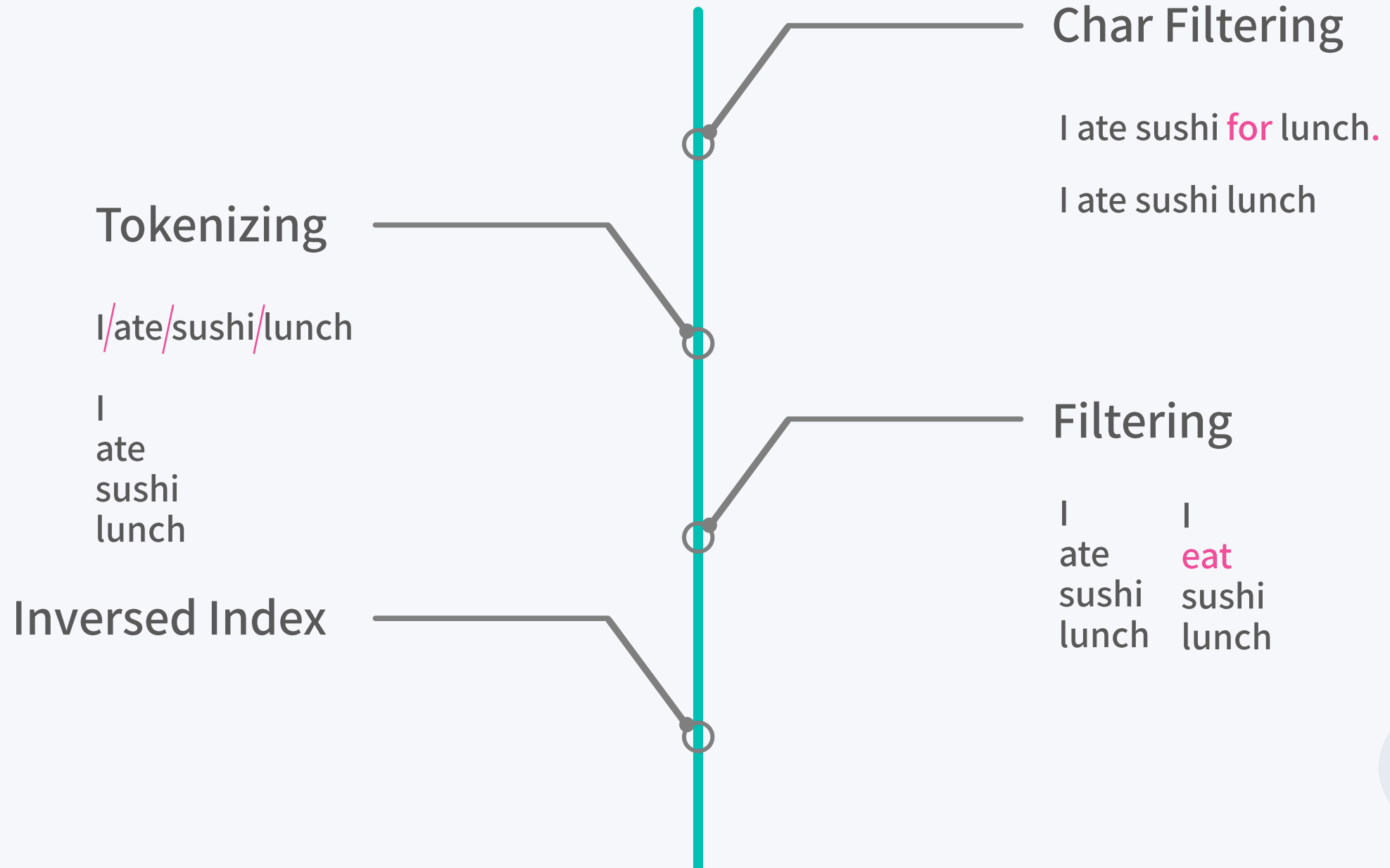
Feature of Elasticsearch



Load Map: Full-Text Search



Load Map: Full-Text Search



Load Map: Full-Text Search



Distributed Processing

Faster & Stronger

- **Increase** Processing Speed
- Fault Tolerance



Environments

Run in Java



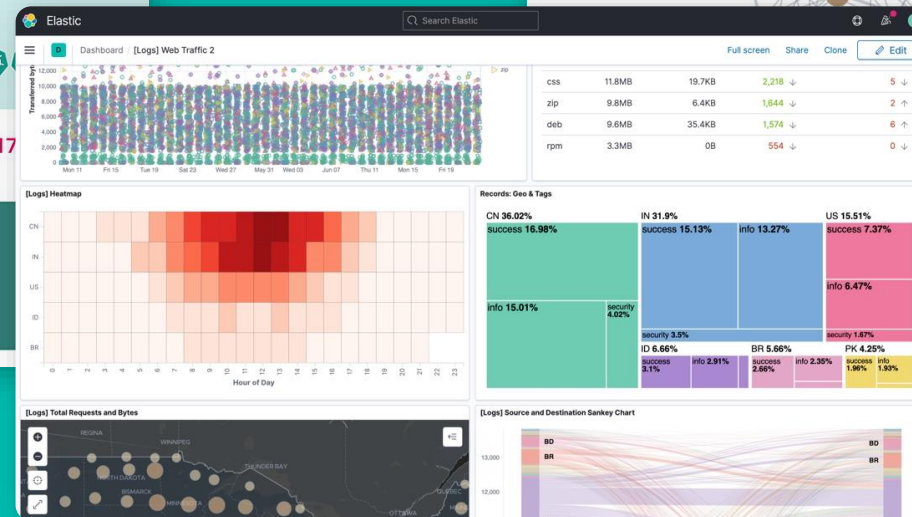
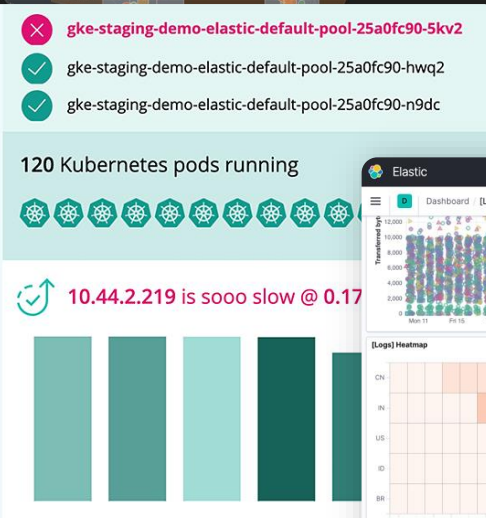
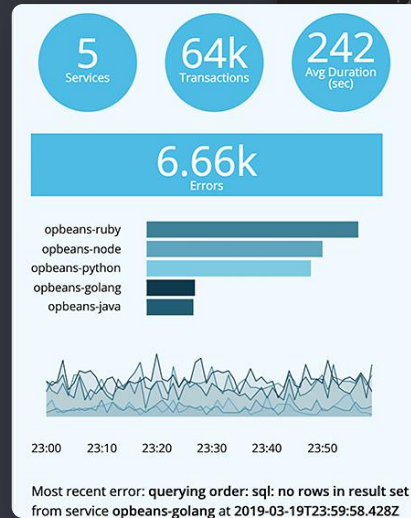
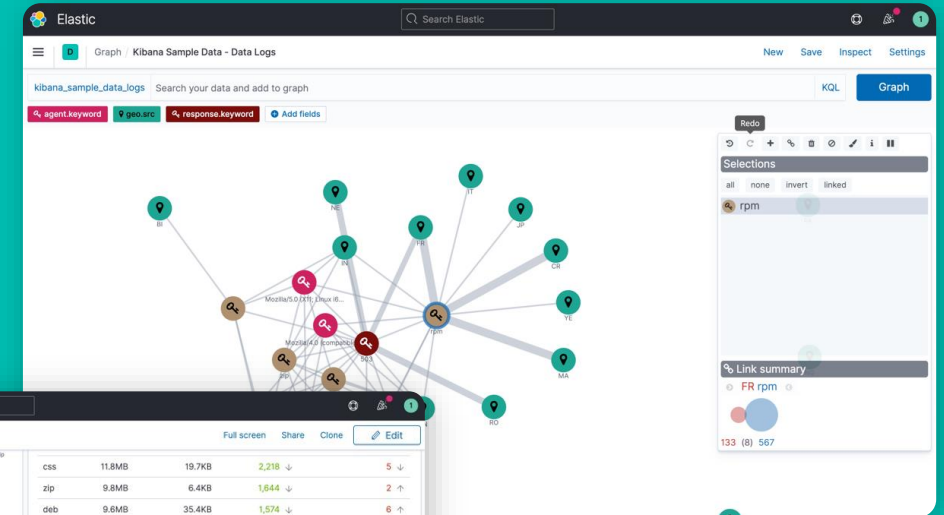
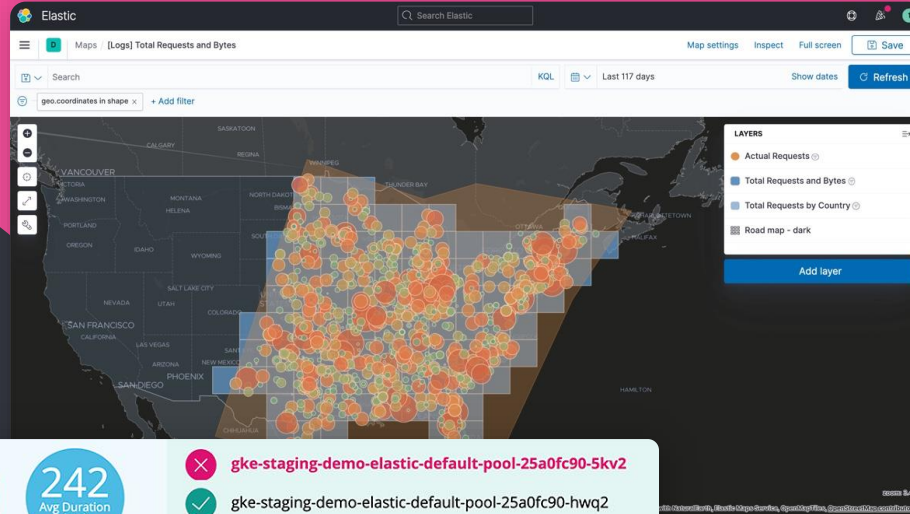
Support many client

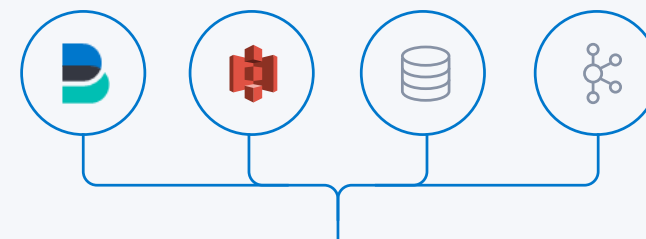
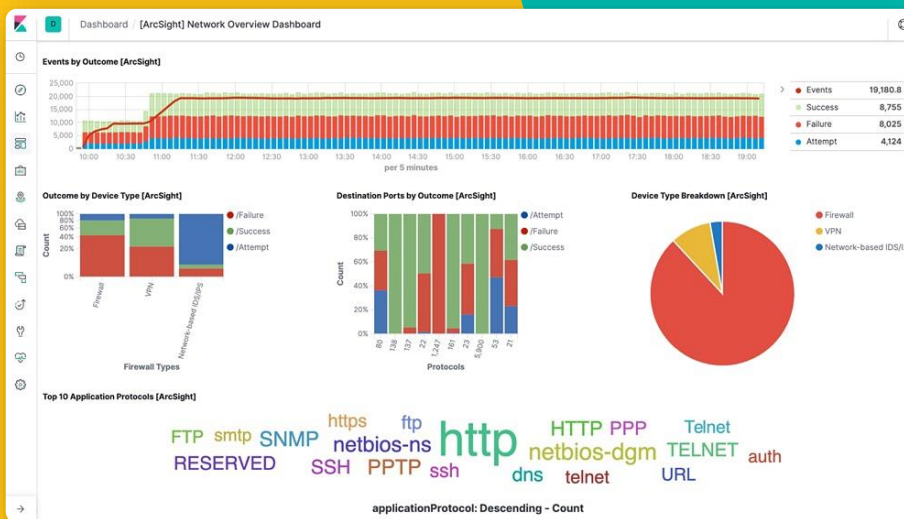
Official

- Java
- JavaScript
- Go
- .NET
- PHP
- Python
- Ruby
- Perl
- eland
- Rust



Others





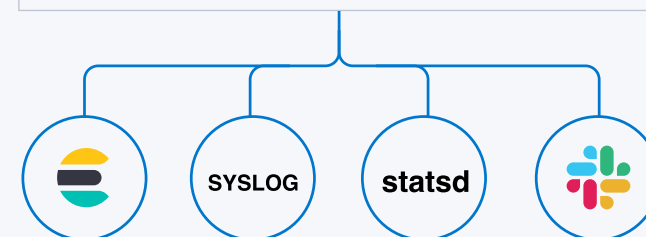
GROK `5.10.83.30` user-identifier

GEO IP `frank`

`[10/Oct/2000:13:55:36 -0700]`

FINGERPRINT `"GET /apache_pb.gif HTTP/1.0"`

DATE `200` `2326`



Summary

NoSQL

Document oriented

Schema less

Scalable

Distributed



Search Engine

Full-Text

Very Fast

RESTful

Score



Others

GUI Management

Log Collection

Security

etc.



References

- Free and Open Search: The Creators of Elasticsearch, ELK & Kibana | Elastic
(<https://www.elastic.co/>)
- Full-text search – Wikipedia
(https://en.wikipedia.org/wiki/Full-text_search)



Thank you!

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