

Improving



AGENDA



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Concepts

- Cluster
- Nodes
- Indexes
 - Settings
 - Mapping
- Templates



Deployment Options

- On Premises
- Cloud



Hands-on

- Kibana
- API
- Index Creation
- Search Requests



CONCEPTS

- ClusterGroup of Nodes
- Nodes
 Servers running a specific task
 Master
 Data (Data Tiers)
 ML Nodes
- Index
 Logical Structure for Data Storage. Same as Table
- Document
 Json based Record

 Node
 Node



DEPLOYMENT

On Premises

- Bare Metal
 https://www.elastic.co/downloads/elasticsearch
- Docker

https://www.docker.elastic.co/ https://www.elastic.co/guide/en/elasticsearch/reference/current/dock er.html

- Kubernetes
- Cloud

https://cloud.elastic.co/registration?elektra=cloud-trial&storm=hero

- Elastic Cloud
- AWS
- Azure
- Google



HANDS-ON

Kibana

https://www.elastic.co/kibana/features

- Cluster Management
- Data Visualization
- Dev Tools
- API
 - o CURL
 - Elastic Clients

https://www.elastic.co/guide/en/elasticsearch/client/index.html



ELASTIC CLUSTER

Cloud ID

Improving:dXMtZWFzdC0xLmF3cy5mb3VuZC5pbzo0NDMkMDJiNG E2MTA30DA3NGJi0Tk2YWQyMzU10DkxZmNjMmQkNmZiMGM30 TE0YTRkNGY4NWEyYmE0NzUyNjNjMjQ0MDc=

Cluster URL

https://improving.es.us-east-1.aws.found.io

Kibana URL

https://improving.kb.us-east-1.aws.found.io:9243

Credentials

Username: improving_user

Password : Elastic@01



SAMPLE DATA

- E-Commerce
- Flight Data



SEARCH DOCUMENTATION

LINKS

https://www.elastic.co/guide/en/elasticsearch/reference/current/search-with-elasticsearch.html https://www.elastic.co/guide/en/elasticsearch/reference/current/guery-dsl.html

Text Search

https://www.elastic.co/guide/en/elasticsearch/reference/current/term-level-queries.html
https://www.elastic.co/guide/en/elasticsearch/reference/current/search.html
https://www.elastic.co/guide/en/elasticsearch/reference/current/search-search.html

Text Analysis

https://www.elastic.co/guide/en/elasticsearch/reference/current/analysis.html

Aggregations

https://www.elastic.co/quide/en/elasticsearch/reference/current/search-aggregations.html

Index Mappings

https://www.elastic.co/guide/en/elasticsearch/reference/current/mapping.html https://www.elastic.co/guide/en/elasticsearch/reference/current/mapping-types.html



Thank You





Elasticsearch: You Know, for Search