



Deploying Elasticsearch on kubernetes(K8s)

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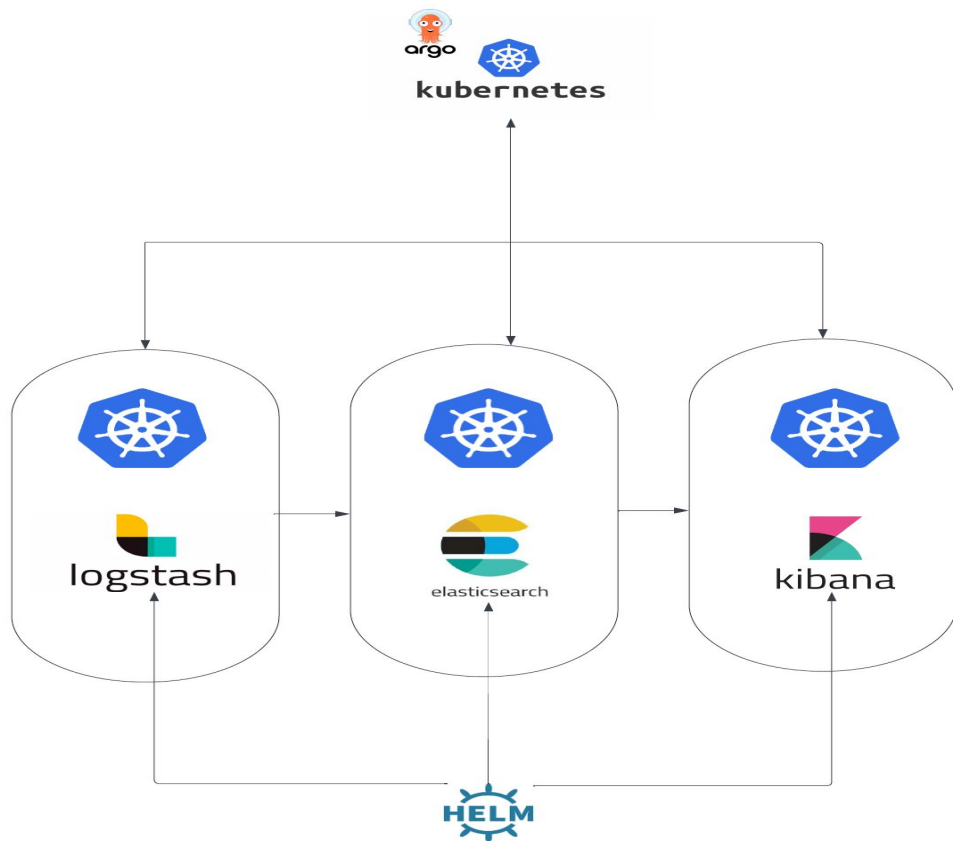
Project Highlights



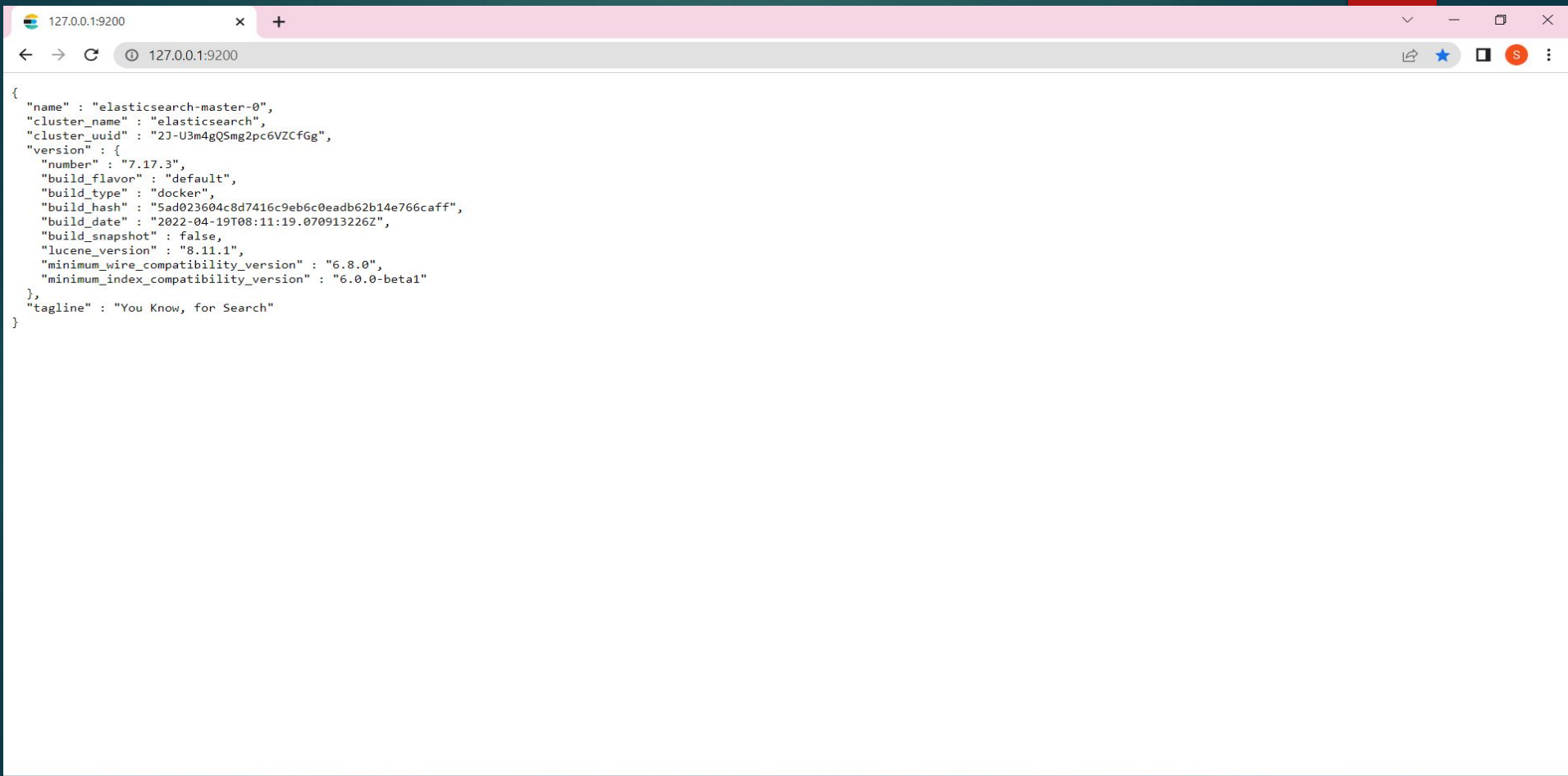
- ▶ Benefits of Elasticsearch
- ▶ Solution Architecture
- ▶ Elasticsearch deployment
- ▶ Kibana deployment
- ▶ Argocd deployment
- ▶ [Link to Readme.md](#)

Benefits of Elasticsearch

- ▶ Open source
- ▶ Fast performance
- ▶ Scalability
- ▶ Distributed Architecture
- ▶ Document-oriented Nosql Database
- ▶ Schema free
- ▶ Auto-completion



ES Deployment



The screenshot shows a web browser window with the address bar displaying "127.0.0.1:9200". The browser's address bar and tabs are visible at the top. The main content area displays the Elasticsearch configuration in JSON format. The configuration includes details about the cluster name, version (7.17.3), build type (docker), and various compatibility versions. The tagline "You Know, for Search" is also visible at the bottom of the configuration block.

```
{
  "name" : "elasticsearch-master-0",
  "cluster_name" : "elasticsearch",
  "cluster_uuid" : "2J-U3m4gQSmg2pc6VZCfGg",
  "version" : {
    "number" : "7.17.3",
    "build_flavor" : "default",
    "build_type" : "docker",
    "build_hash" : "5ad023604c8d7416c9eb6c0eadb62b14e766caff",
    "build_date" : "2022-04-19T08:11:19.070913226Z",
    "build_snapshot" : false,
    "lucene_version" : "8.11.1",
    "minimum_wire_compatibility_version" : "6.8.0",
    "minimum_index_compatibility_version" : "6.0.0-beta1"
  },
  "tagline" : "You Know, for Search"
}
```

Kibana Deployment

Home - Elastic


127.0.0.1:5601/app/home#/

elastic

Search Elastic


Home

Welcome home




Enterprise Search

Create search experiences with a refined set of APIs and tools.




Observability

Consolidate your logs, metrics, application traces, and system availability with purpose-built UIs.



Security

Prevent, collect, detect, and respond to threats for unified protection across your infrastructure.




Analytics

Explore, visualize, and analyze your data using a powerful suite of analytical tools and applications.

Get started by adding integrations

To start working with your data, use one of our many ingest options. Collect data from an app or service, or upload a file. If you're not ready to use your own data, add a sample data set.

[Add integrations](#)[Try sample data](#)[Upload a file](#)



Show desktop

ArgoCD Deployment

Applications Tiles - Argo CD x +

Not secure | https://127.0.0.1:8080/applications

Applications

APPLICATIONS TILES

+ NEW APP SYNC APPS REFRESH APPS

Search applications...

Log out

No applications yet

Create new application to start managing resources in your cluster

CREATE APPLICATION

Link to README.md

- ▶ <https://github.com/AAudu04/Picnic-Home-Assignment#readme>