A gentle introduction into Elasticsearch

Jurgens du Toit

jrgns

EagerELK

What is it?

elasticsearch.
distributed restful search and analytics

elastic

Use cases

Search

Time Series Analysis

Application Database

Elasticsearch as a Service

- Found.no (Official)
- QBox
- Bonsai
- ???

Installation

- Java is Required
- Official Elastic repositories
- Download
- Ansible
- Ready made VMs

Architecture

Configuration

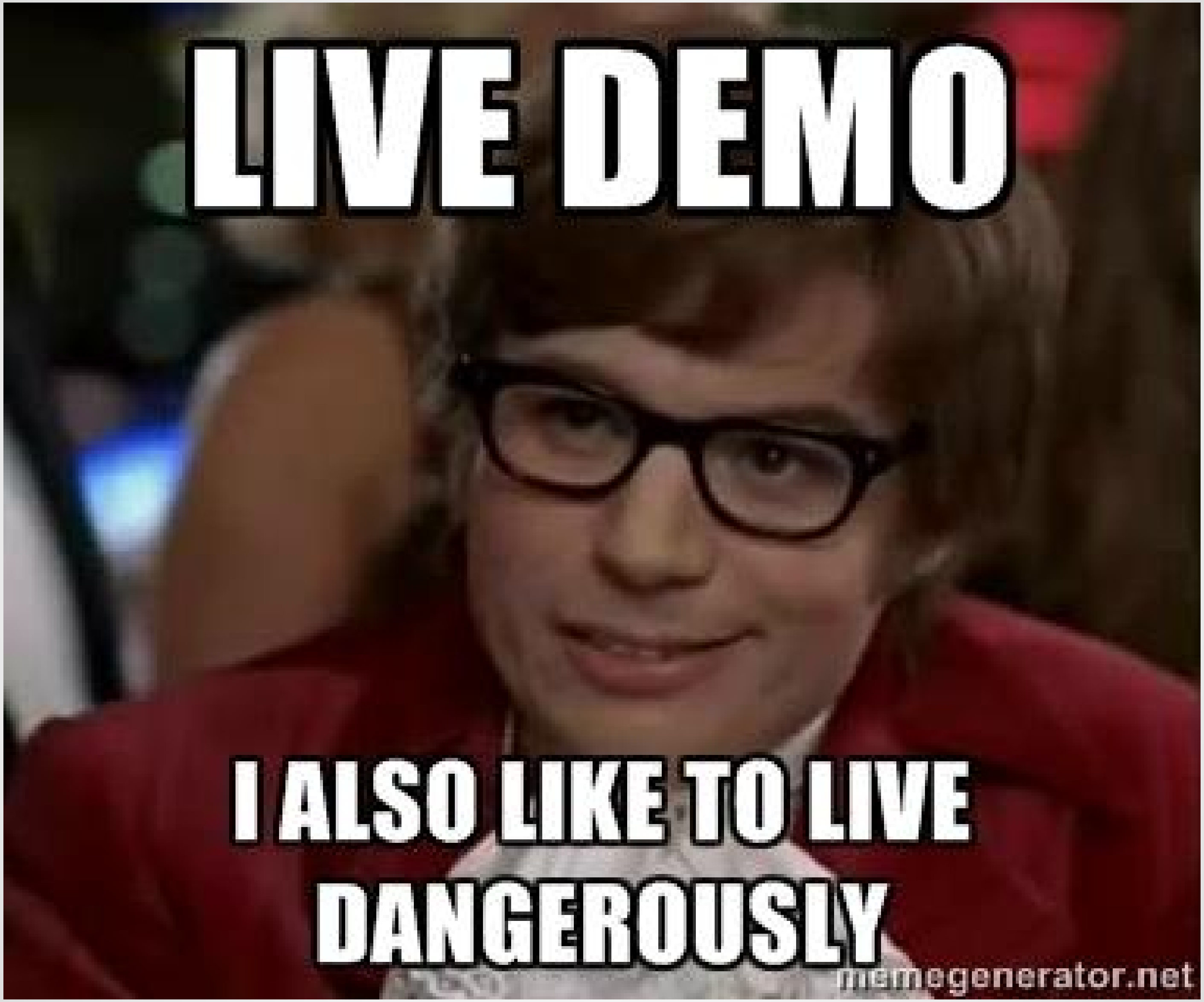
- **/etc/default/elasticsearch**
  - ES_HEAP_SIZE
  - DATA_DIR
  - LOG_DIR
  - CONF_FILE
- **/etc/elasticsearch/elasticsearch.yml**
  - cluster.name
  - node.name
  - data / client / master
  - shards / replicas
  - network.bind_host
  - CORS
  - And many more...

Plugins

- Shield
- Watcher
- Marvel
- Head
- And many more

Features

- Search
- Filters
- Aggregations
- Routing
- Percolators
- Parent / Child
- Versioning


LIVE DEMO
I ALSO LIKE TO LIVE DANGEROUSLY
memegenerator.net

Resources

- **Reference Guide**
  https://www.elastic.co/guide/en/elasticsearch/reference/current/index.html
- **The Definitive Guide**
  https://www.elastic.co/guide/en/elasticsearch/guide/current/index.html
- **Resiliency Status**
  https://www.elastic.co/guide/en/elasticsearch/resiliency/current/index.html

Questions?