HANDS-ON INTRODUCTION TO ELASTICSEARCH

EMANUIL TOLEV @EMANUIL_TOLEV





COMMUNITY ENGINEER





Elasticsearch

Elasticsearch is a distributed,
JSON-based search and
analytics engine.

Learn more



Kibana

Kibana is the window into the Elastic Stack. Explore your data and manage the stack.

Learn more



Beats

Beats is a platform for lightweight shippers that send data from edge machines.

Learn more



Logstash

Logstash is a dynamic data collection pipeline with an extensible plugin ecosystem.

Learn more



HOW BIG IS YOUR JUPYTER NOTEBOOK?



HOW LONG IS A PIECE OF STRING...



ELASTICSEARCH SCALES HORIZONTALLY - YOU CAN ADD MORE PIECES



USE IN PRODUCTION

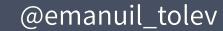
- > SEARCH (ONLINE SHOP FRONT, ADMIN TOOLING, RECOMMENDATION SYSTEMS, ...)
 - > ANALYTICS (BUSINESS METRICS)
 - > WEB APP MONITORING: 'LOGGING, METRICS, TRACES'
 - > INTERACTIVE DASHBOARDING
- UNSUPERVISED LEARNING FOR ANOMALY DETECTION (PAID! BUT GOOD)
 - > NOW SECURITY TOO



THE SEARCH EXPERIENCE

- > IT'S MORE THAN A BACK-END TO INSTALL AND CONNECT TO
 - > FULL-STACK VIEW: GREAT UX IS THE GOAL
 - > RELEVANCE, RANKING, SPEED
 - > OF COURSE YOU DO ALSO NEED A BACK-END:)





TODAY

- > SETUP AND CONNECT
- > INDEX (PUT DATA IN)
- > QUERY (GET DATA OUT SEARCH AND AGGREGATE)
 - > USE KIBANA TO CREATE A FEW VISUALISATIONS
 - > ET VOILA!



HTTPS://GITHUB.COM/EMANUIL-TOLEV/ES-HANDS-ON-INTRO

- > FOR THOSE WHO HAVEN'T DONE IT YET, DOCKER-COMPOSE UP AND THEN RUN ./BUILD.SH TO INJECT SAMPLE DATA
 - > FOLLOW DEMO-CONSOLE.TXT IN HTTP://LOCALHOST:5601/ APP/KIBANA#/DEV_TOOLS/CONSOLE
 - > LATER WE'LL PLAY WITH KIBANA. THE VIS GUI!

THE CRUX OF THIS IS THAT YOU LEARN HOW

elastic

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QUESTIONS? EMANUIL TOLEV @EMANUIL_TOLEV ETOLEV@ELASTIC.CO

