NOW WHERE DID I LEAVE MY KEYS?



@EMANUIL_TOLEV



WHAT IS THE ELASTIC STACK?





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

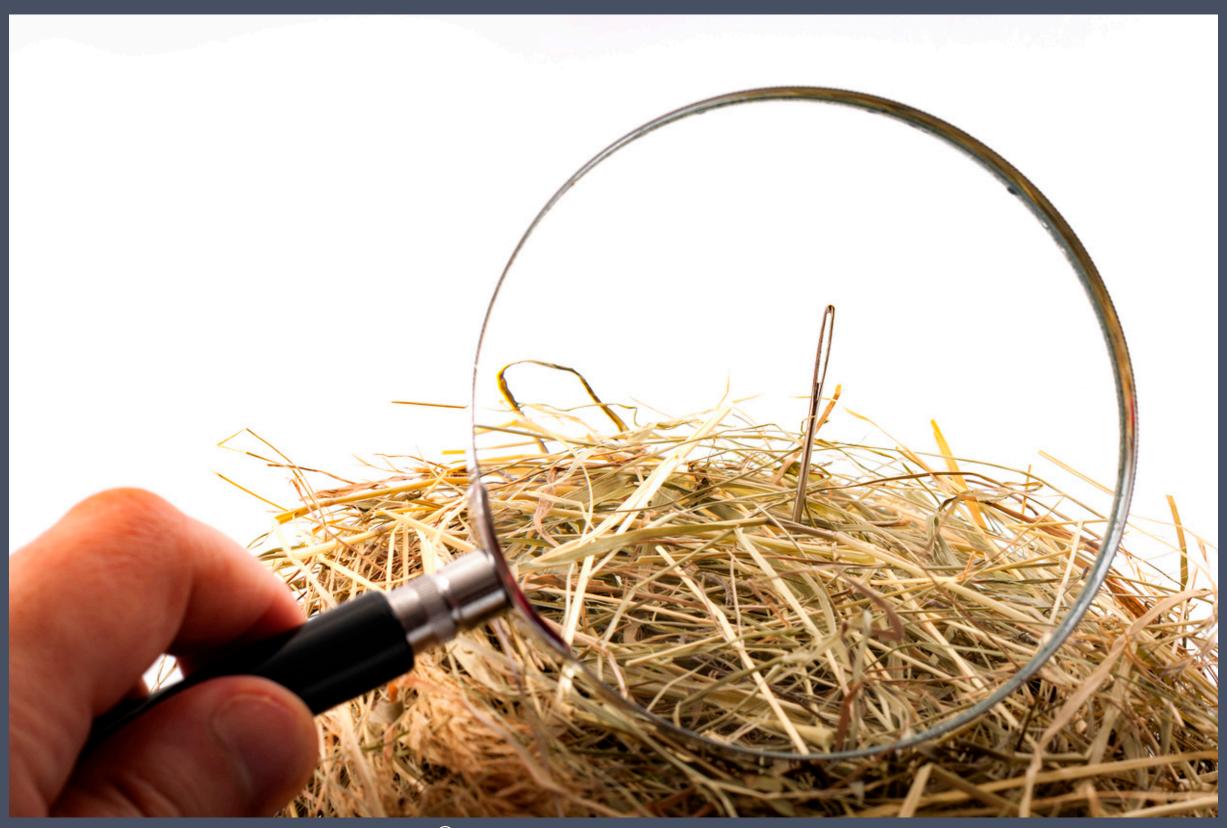


Logstash

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

Learn more



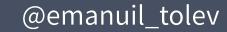


SEARCH

GENERAL: 'TRY TO FIND SOMETHING BY LOOKING OR OTHERWISE SEEKING CAREFULLY AND THOROUGHLY.'

COMPUTING: 'THE SYSTEMATIC RETRIEVAL OF INFORMATION, OR THE FACILITY FOR THIS.'





VISUALISATION



ELASTICSEARCH SCALES HORIZONTALLY - YOU CAN ADD MORE PIECES



USE IN PRODUCTION

- > SEARCH (ONLINE SHOP FRONT, ADMIN TOOLING, RECOMMENDATION SYSTEMS, ...)
- > WEB APP MONITORING: 'LOGGING, METRICS, TRACES'
 - > NOW SECURITY TOO



USE IN PRODUCTION

- > INTERACTIVE DASHBOARDING
- > UNSUPERVISED LEARNING (THOUGH THIS IS PAID)
 - > ANALYTICS (BUSINESS METRICS)





1: Winter is coming.
2: Ours is the fury.
3: The choice is yours.

tam	freq	documents
choice	1	3
coming	1	1
fury	7	2
2 i	3	1, 2, 3
ours	1	2
the	2	2, 3
winter	1	1
yours	1	3
Dictionary		Postings

DEMO TIME!



MAYBE IT CAN'T HELP YOU FIND YOUR KEYS, BUT ALONG THE WAY, ELASTICSEARCH HAS HELPED PEOPLE DO:

- > INTERPLANETARY RESEARCH WITH JPL
- > JPL CURIOSITY MARS ROVER AND MORE
 - > THE SEARCH FOR FOOD AT JUST EAT
- > NUCLEAR ENERGY COMPUTING AT FERMI LABS
 - > PRIMARY SEARCH AT EBAY
 - > PLAYING WITH TECH AT ENGADGET
 - > TECH DIY SEARCH AT INSTRUCTABLES



USEFUL LINUX USES AND OTHER RESOURCES

- > MONITORING LINUX COMMAND EXECUTION WITH AUDITBEAT AND ELASTIC STACK
 - > CHRISTMAS TREE LIGHTS WITH MICRO:BIT
 - > 'AWESOME LIST' FOR ELASTICSEARCH



THANK YOU!

@EMANUIL_TOLEV ETOLEV@ELASTIC.CO

