

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)

elastic

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



<u>term</u>	<u>freq</u>	<u>documents</u>
choice	1	3
coming	1	1
fury	1	2
is	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!

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