

# (Unofficial) State of Elasticsearch Community

*BioSolr Workshop Feb 4, 2016*

*twitter: @dep4b email: epugh@o19s.com*  
*slides: <http://bit.ly/state-of-elasticsearch>*

# Who Are We?

Solr

Search UX

Elasticsearch

Search Relevancy

Cassandra

DevOps

- DataStax Gold Consulting Partner
- Released first video on ES in Apr 2015
- *Relevant Search* code examples all around ES
- Our repo: <https://github.com/o19s>



# Looking at Elasticsearch



# History of Elasticsearch

- Project started by Shay Bannon in 2010
- Elastic.co started in 2012
- Today has raised \$104M in three rounds of funding



# History of the Firm



# elastic

- Company starts as Elasticsearch in 2012
- Rebrands as “Elastic” in 2015
- Today has raised \$104M in three rounds of funding
- Big Ambitions. Largest funder of Lucene development by employing many of the core

# But Something Came before..



## Compass

- 2004 - 2010
- Maps Java ORM (Hibernate) objects to Lucene data structures
- Objects not Documents!
- Very Java ecosystem centric (JPA, Spring)
- API's, JSON, Mappings

# Elasticsearch Pre 2.0

- v0.4 Feb 2010 through v0.9 Apr 2013 -> 18 Releases!
  - Pause for 1.0, many many point releases on 0.9
- v1.0 Feb 2014 through v1.7 July 2015 -> 8 More!

# ELK: The Killer App

Elasticsearch for search

Logstash for data collection

Kibana to see it all!!!!!!!!!!!!

Splunk killer?





# LogStash

- Jordan Sissel created it, joined Elastic in August 2013
- Swiss army knife for log collection
- Routes your log files
- extracts content down to a manageable size

# Kibana

- Created by Rashid Khan
- Joined Elastic in Jan 2013



# Today

# Elasticsearch 2.0

- v2.0 Oct 2015 through v2.2 Feb 2nd, 2016
- Massive tech debt incurred was paid down (mapping ambiguity, distributed system issues, JVM security)
- Foundations for future innovation
- Better query optimizations, new aggregations, geo

# Solr vs Elasticsearch?

- <http://www.flax.co.uk/blog/2015/12/02/elasticsearch-vs-solr-performance-round-2/>
- <http://opensourceconnections.com/blog/2016/01/22/solr-vs-elasticsearch-relevance-part-two/>
- <http://blog.sematext.com/2015/01/30/solr-elasticsearch-comparison/>
- <http://www.slideshare.net/arafalov/solr-vs-elasticsearch-case-by-case>
- <https://www.quora.com/What-are-the-main-differences-between-ElasticSearch-Apache-Solr-and-SolrCloud>

# Tomorrow

# Where is Elasticsearch headed?

*Eric's completely wild guesses....*

A man in a dark suit with glowing blue lights on his hands, looking intently at the viewer.

# Analytics Is a Core Capability

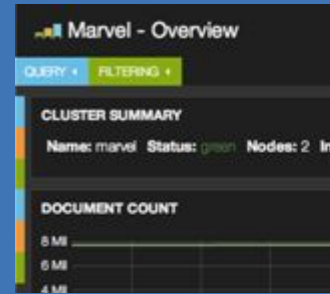


# App Development Platform



```
sense
Server localhost:9200

1 # Delete all data in the 'website' index
2 DELETE /website
3
4 # Create a document with ID 123
5 PUT /website/blog/123
6 {
7   "title": "My first blog entry",
8   "text": "Just trying this out...",
9   "date": "2014/01/01"
10 }
11
```



# Stretch Lucene Hard

- Shay has said: *There isn't a day that goes by where I don't hear one of the Lucene developers saying "I never thought Lucene would be used to solve this use case," or be used in such a way.*

# Thank you!

**email: [epugh@opensourceconnections.com](mailto:epugh@opensourceconnections.com)**

**twitter: [@dep4b](https://twitter.com/dep4b)**

**slides: [bit.ly/state-of-elasticsearch](https://bit.ly/state-of-elasticsearch)**