



ELASTICSEARCH 10000 FT OVERVIEW

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Technical advocate



elasticsearch.
@dadoonet





search = like % ?

```
SELECT
  doc.*, country.*
FROM
  doc, country
WHERE
  doc.country_code = country.code AND
  doc.date_doc > to_date('2011-12', 'yyyy-mm') AND
  doc.date_doc < to_date('2012-01', 'yyyy-mm') AND
  lower(country.name) = 'france' AND
  lower(doc.comment) LIKE '%product%' AND
  lower(doc.comment) LIKE '%david%';
```



Search engine ?

1964

Alphabetical **INDEX**

A	Accessory Groups.....	63
	Additional Accessories.....	62
	Adjustable Steering Wheel.....	54
	Air Cleaner.....	95
	Water-Heater System.....	52, 53
	Brake Control.....	71, 95
	Brake Lamp Timer.....	51
	Braking System.....	88, 89
		91, 101

B	Back-Up Lights.....	9
	Battery.....	70, 97
	Body Construction.....	82A
	Body Insulation.....	87
	Body Sealing.....	87
	Body Styles.....	26-49
	Brake Drums.....	76, 77, 102
	Brake Lining.....	77, 102
	Brakes.....	76, 77, 102
	Brakes, Parking.....	76, 77, 102
	Brakes, Power.....	76, 77, 102
	Bucket Seat Console.....	25
	Bucket Seats.....	35-39, 45
	Bumpers.....	9

		69, 94
		71, 95
		72-81
	View.....	72A
	Department.....	48, 49
		71, 95
	Chamber.....	68
	Ratio.....	52, 53
		91, 92
	Connecting Rods.....	93
	Console, Bucket Seat.....	25
	Constant Velocity (CV) Joints.....	74, 75, 100
	Controlled Differential.....	58
	Cooling.....	95, 96



plug & play

scalable

elasticsearch

Apache 2 license

REST/JSON

Lucene



Start...

```
$ wget https://download.elasticsearch.org/elasticsearch/  
elasticsearch/elasticsearch-1.2.1.tar.gz  
$ tar -xf elasticsearch-1.2.1.tar.gz  
$ ./elasticsearch-1.2.1/bin/elasticsearch  
[INFO ][node           ][Ghost Maker] {1.2.1}[5645]: initializing
```



... and play!

```
$ curl -XPUT localhost:9200/sessions/session/1 -d '{
  "title"      : "Elasticsearch",
  "subtitle"   : "Make sense of your (BIG) data !",
  "date"       : "2014-06-18T19:30:00",
  "tags"       : [ "elasticsearch", "drupal", "meetup" ],
  "speakers"  : [
    { "first_name" : "David", "last_name" : "Pilato" },
    { "first_name" : "Geoffrey", "last_name" : "Maheux" } ]
}'
```



Search!

```
$ curl http://localhost:9200/sessions/session/_search -d'
{
  "query": {
    "multi_match": {
      "query": "elasticsearch drupal david",
      "fields": [ "title^3", "tags^2", "speakers.first_name" ]
    }
  },
  "post_filter": {
    "range": {
      "date": {
        "from": "2014-06-15",
        "to": "2014-07"
      }
    }
  }
}
```



Compute?

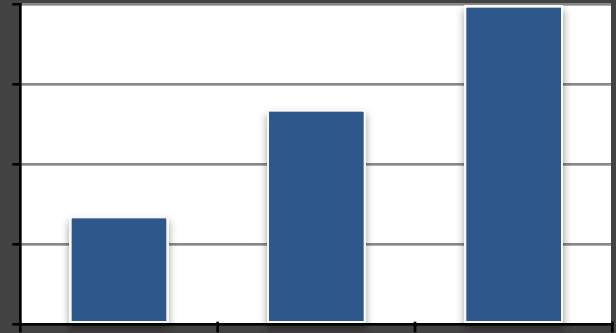
<i>B</i>	Back-Up Lights.....	9
	Battery.....	70, 97
	Body Construction.....	82A
	Body Insulation.....	87
	Body Sealing.....	87
	Body Styles.....	26-49
	Brake Drums.....	76, 77, 102
	Brake Lining.....	77, 102
	Brakes.....	76, 77, 102
	Brakes, Parking.....	76, 77, 102
	Brakes, Power.....	76, 77, 102
	Bucket Seat Console.....	25
	Bucket Seats.....	35-39, 45
	Bumpers.....	9



Compute!

```
$ curl http://localhost:9200/sessions/session/_search -d'
```

```
{  
  "query": { ... },  
  "aggs": {  
    "by_date": {  
      "date_histogram": {  
        "field": "date",  
        "interval": "day",  
        "format": "dd/MM/yyyy"  
      }  
    }  
  }  
}'
```



```
"by_date": [  
  { "key_as_string": "03/04/2014", "doc_count": 1 },  
  { "key_as_string": "12/04/2014", "doc_count": 2 },  
  { "key_as_string": "16/04/2014", "doc_count": 3 }  
]
```





Let's make sense of ...

- logs
- twitter
- github
- marketing data
- ...
- your data
- your big data



Let's make sense of ...

- logs
- twitter
- github
- **marketing data**
- ...
- your data
- your big data

```
{  
  "name": "Pilato David",  
  "dateOfBirth": "1971-12-26",  
  "gender": "male",  
  "children": 3,  
  "marketing": {  
    "fashion": 334,  
    "music": 3363,  
    "hifi": 2351  
  },  
  "address": {  
    "country": "France",  
    "city": "Paris",  
    "location": [2.332395, 48.861871]  
  }  
}
```



démo

MAKE SENSE OF YOUR (BIG) DATA!

let's inject some marketing documents...





elasticsearch.

elasticsearch



kibana

logstash



Marvel





elasticsearch.

Training (public and on-site)

Development support

Production support

Marvel







thanks

@dadoonet

we are hiring! jobs@elasticsearch.com