

make sense of your (BIG) data!



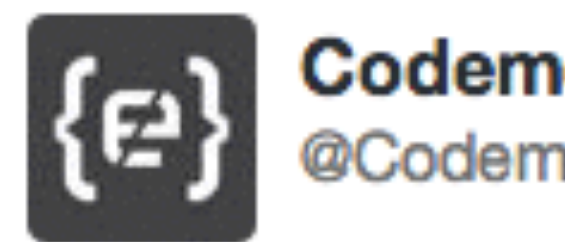




data ?







Codemotion
@Codemotion

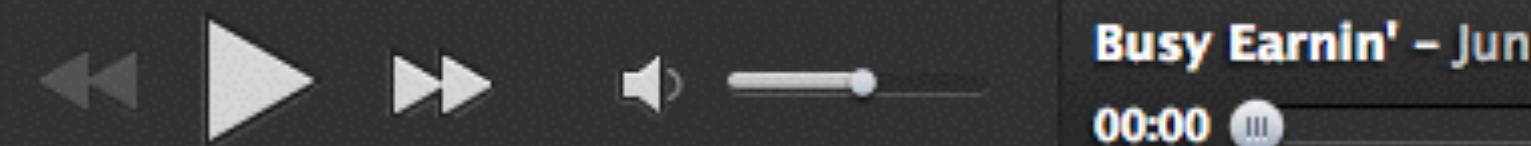
Take a look at
[@dadoonet](#) @
[@saschawolter](#)

12:02 PM - 28 Jan 2014

2 RETWEETS

```
{
  "created_at": "Tue Jan 28 11:02:41 +0000 2014",
  "id": 428120942704087040,
  "text": "Take a look at the bio of #Codemotion first speakers: @dadoonet @ufried @altolabs @quasimondo",
  "user": {
    "name": "Codemotion ",
    "screen_name": "CodemotionRoma",
    "location": "italy",
    "description": "Codemotion \u00e8 un evento rivolto a tutti gli sviluppatori di tutti i linguaggi. U",
    "followers_count": 4636,
    "statuses_count": 3598,
    "lang": "it",
  },
  "retweet_count": 2,
  "favorite_count": 0,
  "entities": {
    "user_mentions": [
      { "screen_name": "dadoonet", "name": "David Pilato" },
      { "screen_name": "ufried", "name": "Uwe Friedrichsen" },
      { "screen_name": "altolabs", "name": "Alain Regnier" },
      { "screen_name": "quasimondo", "name": "Mario Klingemann" },
      { "screen_name": "vmg", "name": "Vicent Mart\u00ed" },
      { "screen_name": "saschawolter", "name": "Sascha Wolter" },
      { "screen_name": "hhariri", "name": "Hadi Hariri" },
      { "screen_name": "chrisdavidmills", "name": "Chris Mills" }
    ]
  },
  "lang": "en"
}
```





À écouter

Explorer

Top Écoutes

Radios

APPLICATIONS

Découvrez nos apps

Shuffler.fm

BIBLIOTHÈQUE

David Pilato

S'abonner



Harder Better Faster Stronger

Ce titre est pro

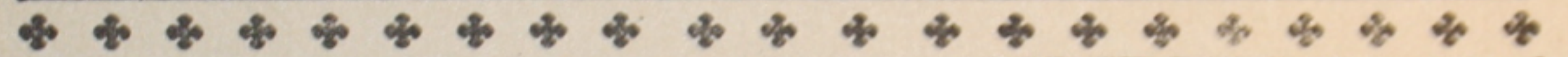


Discovery
par Daft Punk

Discovery
par Daft Punk

```
{
  "id": "3135556",
  "readable": true,
  "title": "Harder Better Faster Stronger",
  "isrc": "GBDUN0000059",
  "link": "http://www.deezer.com/track/3135556",
  "duration": "225",
  "track_position": 4,
  "disk_number": 1,
  "rank": "783236",
  "explicit_lyrics": false,
  "preview": "http://cdn-preview-5.deezer.com/stream/51afcde9f56a132096c0496cc95eb24b-3.mp3",
  "bpm": 123.5,
  "gain": -6.48,
  "artist": {
    "id": "27",
    "name": "Daft Punk",
    "link": "http://www.deezer.com/artist/27",
    "picture": "https://api.deezer.com/artist/27/image",
    "radio": true,
    "type": "artist"
  },
  "album": {
    "id": "302127",
    "title": "Discovery",
    "link": "http://www.deezer.com/album/302127",
    "cover": "https://api.deezer.com/album/302127/image",
    "release_date": "2005-01-24",
    "type": "album"
  },
  "type": "track"
}
```


[illegible]



THE GREAT TRIANGULAR DUEL

By CAPTAIN FREDERICK MARRYAT

JACK walked up to the boatswain, and, taking off his hat, with the utmost politeness, said to him:
“If I mistake not, Mr. Biggs, your conversation refers to me.”

“Very likely it does,” replied the boatswain. “Listeners hear no good of themselves.”

“It happens that gentlemen can’t converse without being vatched,” continued Mr. Easthupp, pulling up his shirt-collar.”

“It is not the first time you have thought proper to make very offensive remarks, Mr. Biggs; and as you appear to consider yourself ill-treated in the affair of the trousers, for I tell you at once that it was I who brought them on board, I can only say,” continued our hero, with a very polite bow, “that I shall be most happy to give you satisfaction.”





DevOps Borat
@DEVOPS_BORAT

 Follow

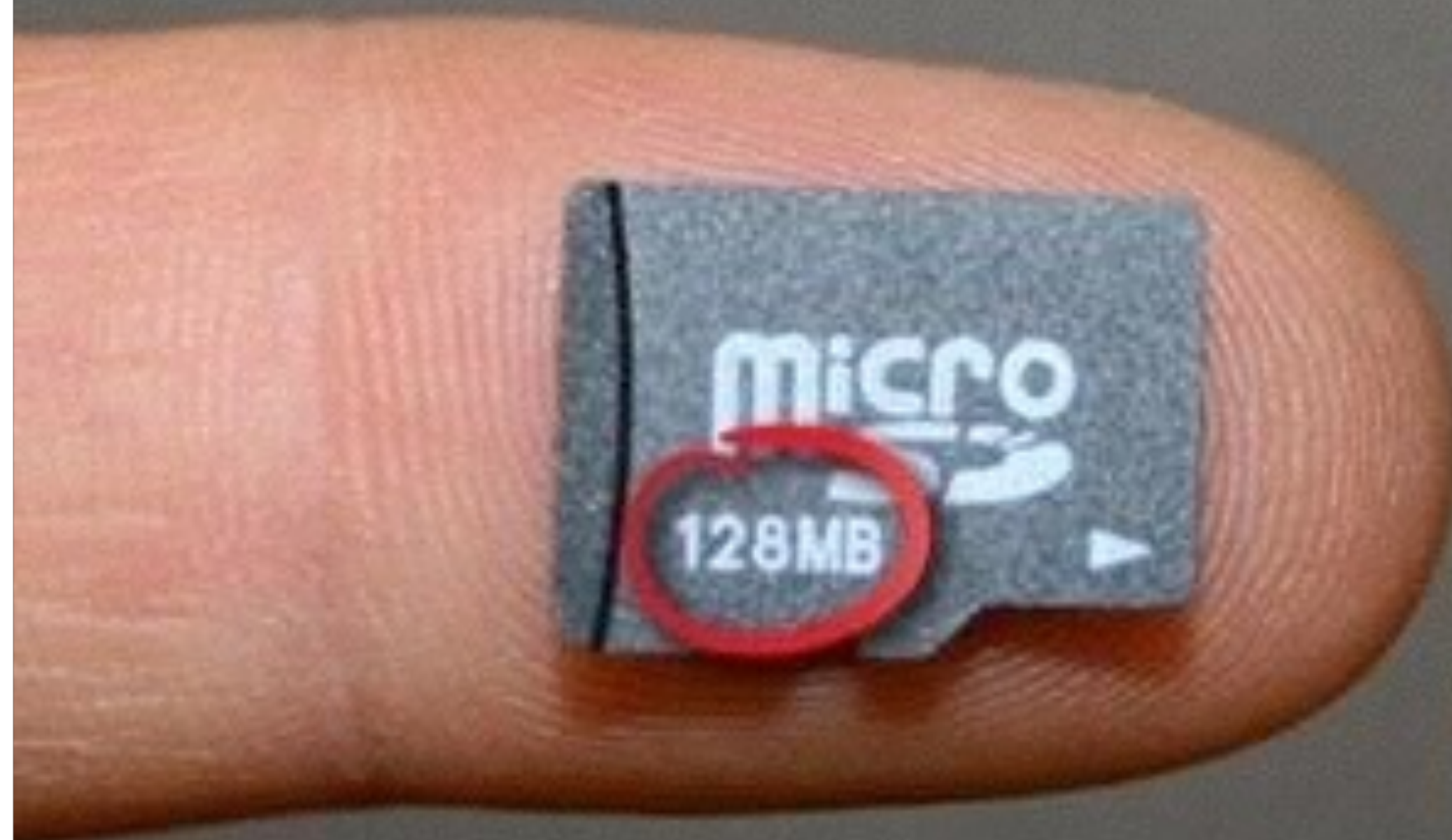
Big Data is any thing which is crash Excel.

6:25 PM - 8 Jan 2013

2,027 RETWEETS **454** FAVORITES



2005



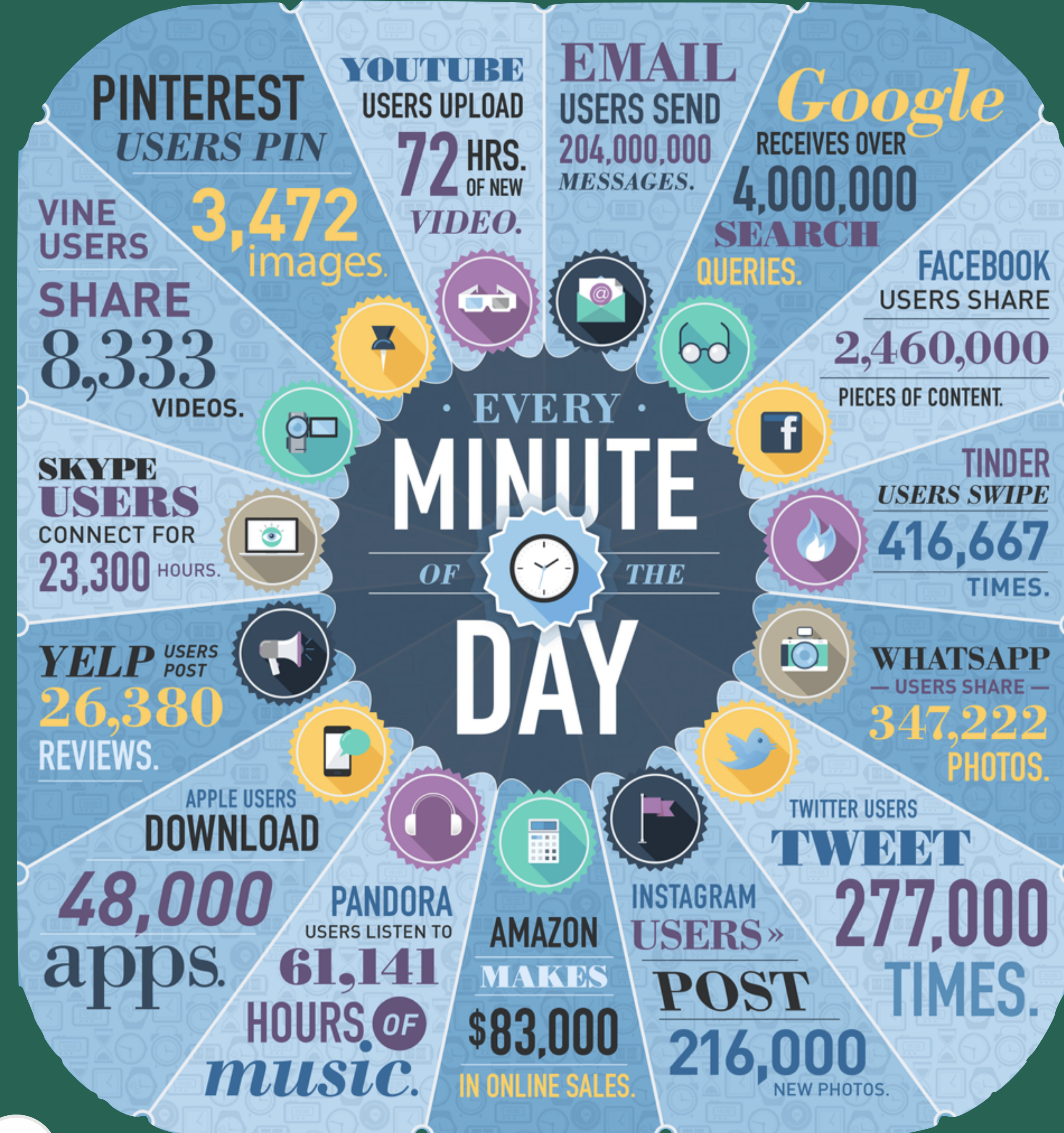
2014



2020: MORE THAN 1/3 OF THE DATA PRODUCED WILL LIVE IN OR PASS THROUGH THE CLOUD.



Copyright Elastic 2015 Copying, publishing and/or distributing without written permission is strictly prohibited



Source: <http://www.domo.com/learn/data-never-sleeps-2>





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

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

A	Accessory Groups.....	63
	Additional Accessories.....	62
	Adjustable Steering Wheel.....	54
	Air Cleaner.....	95
	Air Conditioner-Heater System.....	52, 53
	Ash Receivers.....	23
	Automatic Choke Control.....	71, 95
	Automatic Headlamp Timer.....	51
	Automatic Heating System.....	88, 89
	Axle Ratios.....	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

C	Camshaft.....	69, 94
	Carburetor.....	71, 95
	Chassis Features.....	72-81
	Chassis Over-All View.....	72A
	Chauffeur Compartment.....	48, 49
	Choke Control.....	71, 95
	Combustion Chamber.....	68
	Comfort Control.....	52, 53
	Compression Ratio.....	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.elastic.co/elasticsearch/elasticsearch/  
elasticsearch-1.5.2.tar.gz  
$ tar -xf elasticsearch-1.5.2.tar.gz  
$ ./elasticsearch-1.5.2/bin/elasticsearch  
[INFO ][node          ][Ghost Maker] version[1.5.2], pid[72965], ...  
[INFO ][transport][Ghost Maker] publish_address {[/127.0.0.1:9300]}  
[INFO ][http       ][Ghost Maker] publish_address {[/127.0.0.1:9200]}  
[INFO ][node          ][Ghost Maker] started
```



... and play!

```
$ curl -XPUT localhost:9200/sessions/session/1 -d '{
  "title"      : "Elasticsearch",
  "subtitle"   : "Make sense of your (BIG) data !",
  "date"       : "2015-06-04T12:00:00",
  "tags"       : [ "elasticsearch", "realtime", "bigdata" ],
  "speakers"  : [{
    "first_name" : "David",
    "last_name"  : "Pilato"
  }]
}'
```



search!

```
$ curl http://localhost:9200/sessions/session/_search -d'
{
  "query": {
    "multi_match": {
      "query": "elasticsearch bigdata david",
      "fields": [ "title^3", "tags^2", "speakers.first_name" ]
    }
  },
  "post_filter": {
    "range": {
      "date": {
        "from": "2015-01-01",
        "to": "2015-12-01"
      }
    }
  }
}
```



compute?

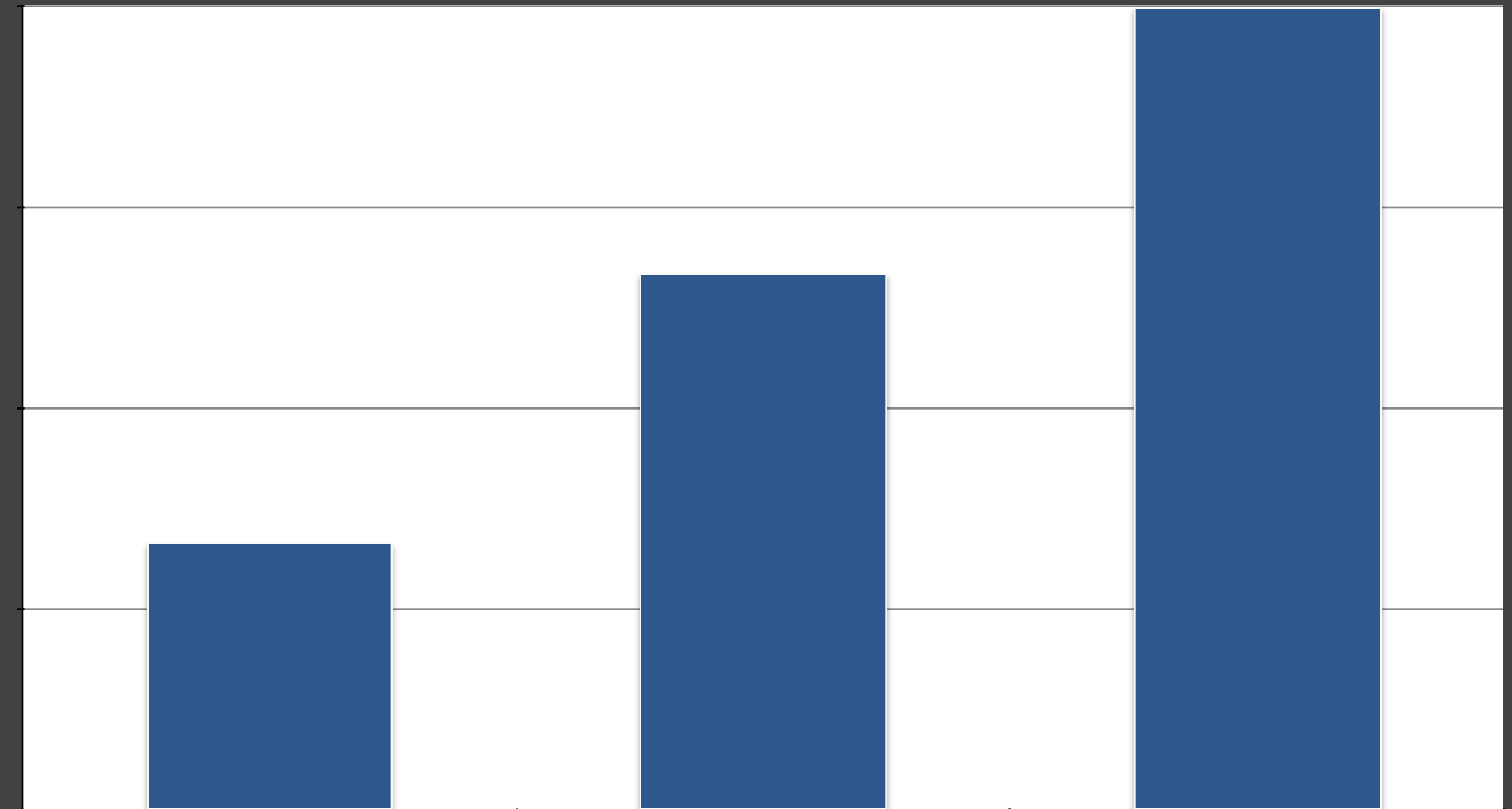
<i>B</i>	Back-Up Lights.....	9
	Battery.....	70, 97
	Body Construction.....	82A
	Body Insulation.....	87
	Body Sealing.....	87
	Body Styles.....	26-49
	Brake Drums.....	76, 77, 102
	Brake Lining.....	77, 102
	Brakes.....	76, 77, 102
	Brakes, Parking.....	76, 77, 102
	Brakes, Power.....	76, 77, 102
	Bucket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



compute!

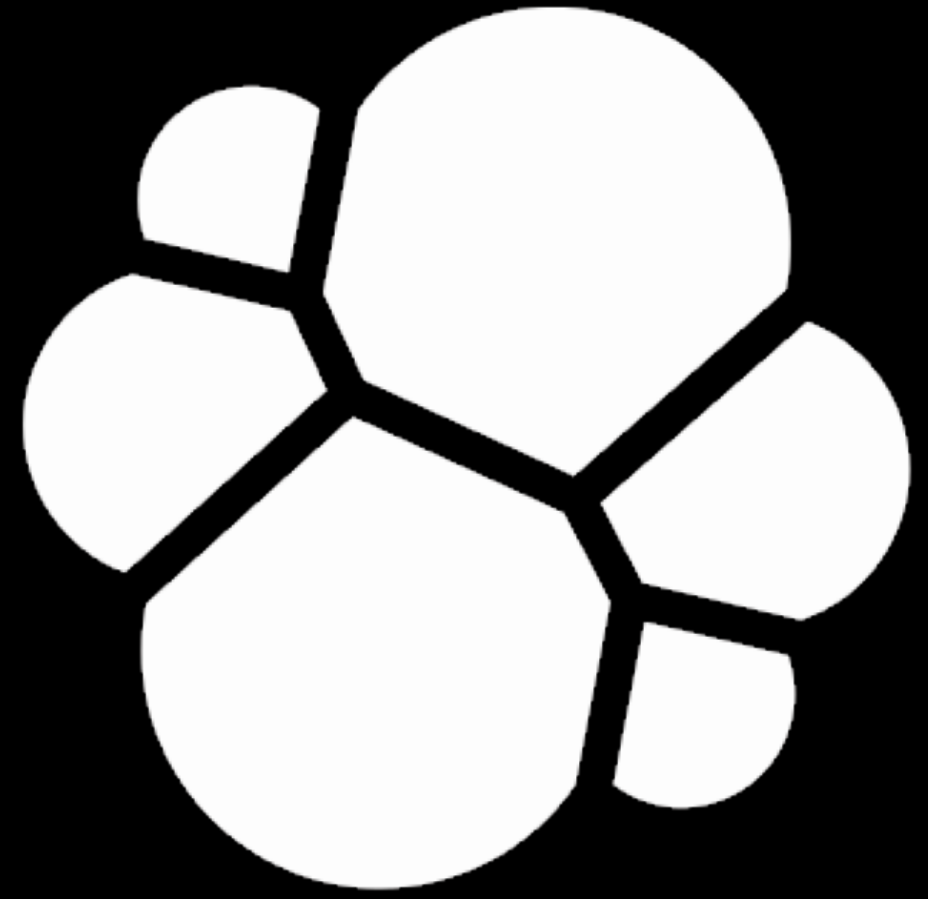
```
$ curl http://localhost:9200/sessions/session/_search -d '{
```

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



```
  "by_date": [
    { "key_as_string": "03/01/2015", "doc_count": 1 },
    { "key_as_string": "12/01/2015", "doc_count": 2 },
    { "key_as_string": "16/01/2015", "doc_count": 3 }
  ]
}
```





elastic

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]  
  }  
}
```



Demo

Make sense of your (BIG) data!

Let's inject **1 000 000** marketing documents

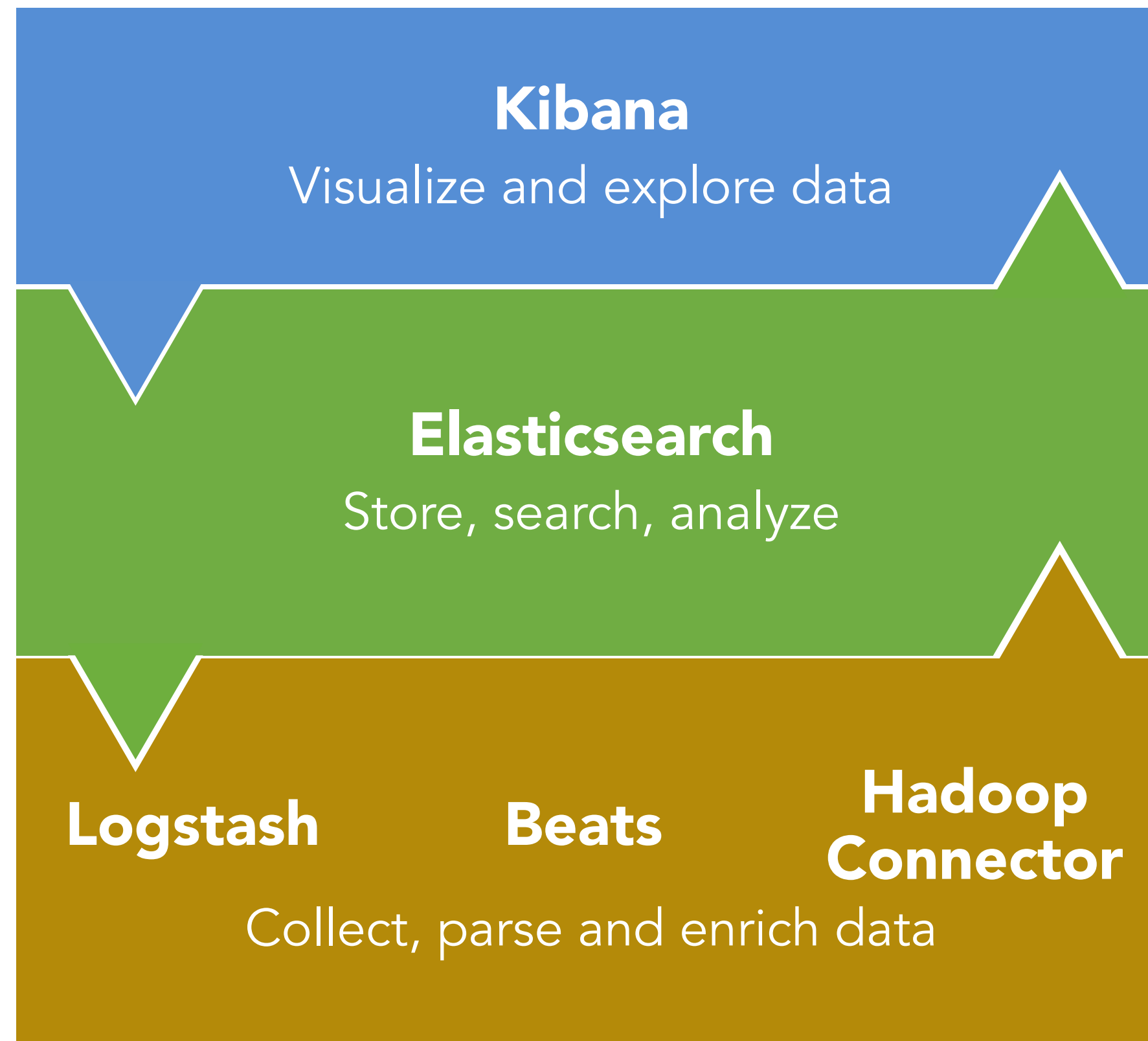


Demo

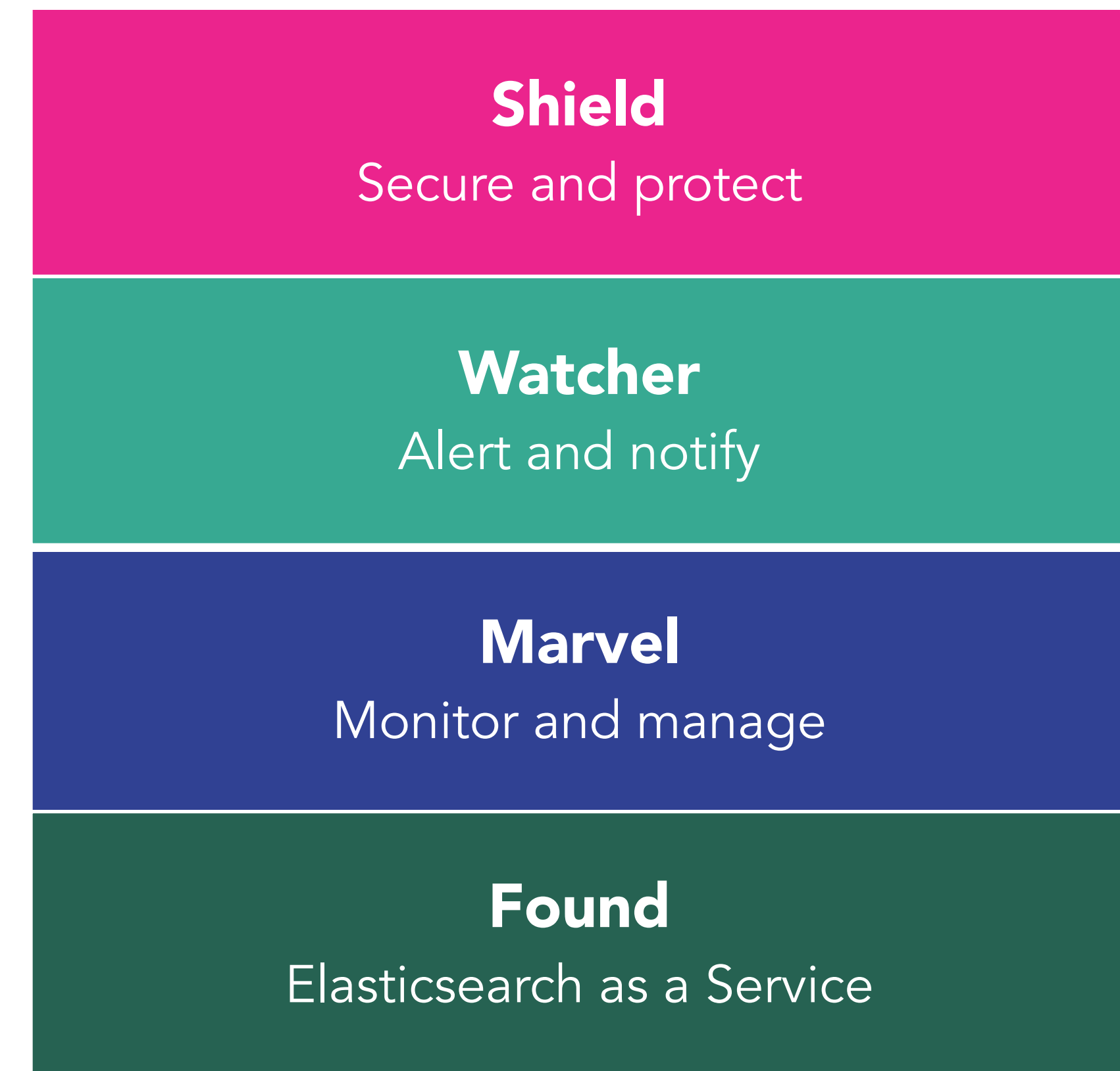
elasticsearch



Open Source Products



Commercial Products



Training

Professional Services

Support Subscriptions

FOR BUILDING SCALABLE, DISTRIBUTED SYSTEMS







David Pilato
Developer | Evangelist
@dadoonet

Thank you!

<https://www.elastic.co/subscriptions>

