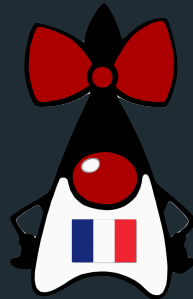




# Elasticsearch

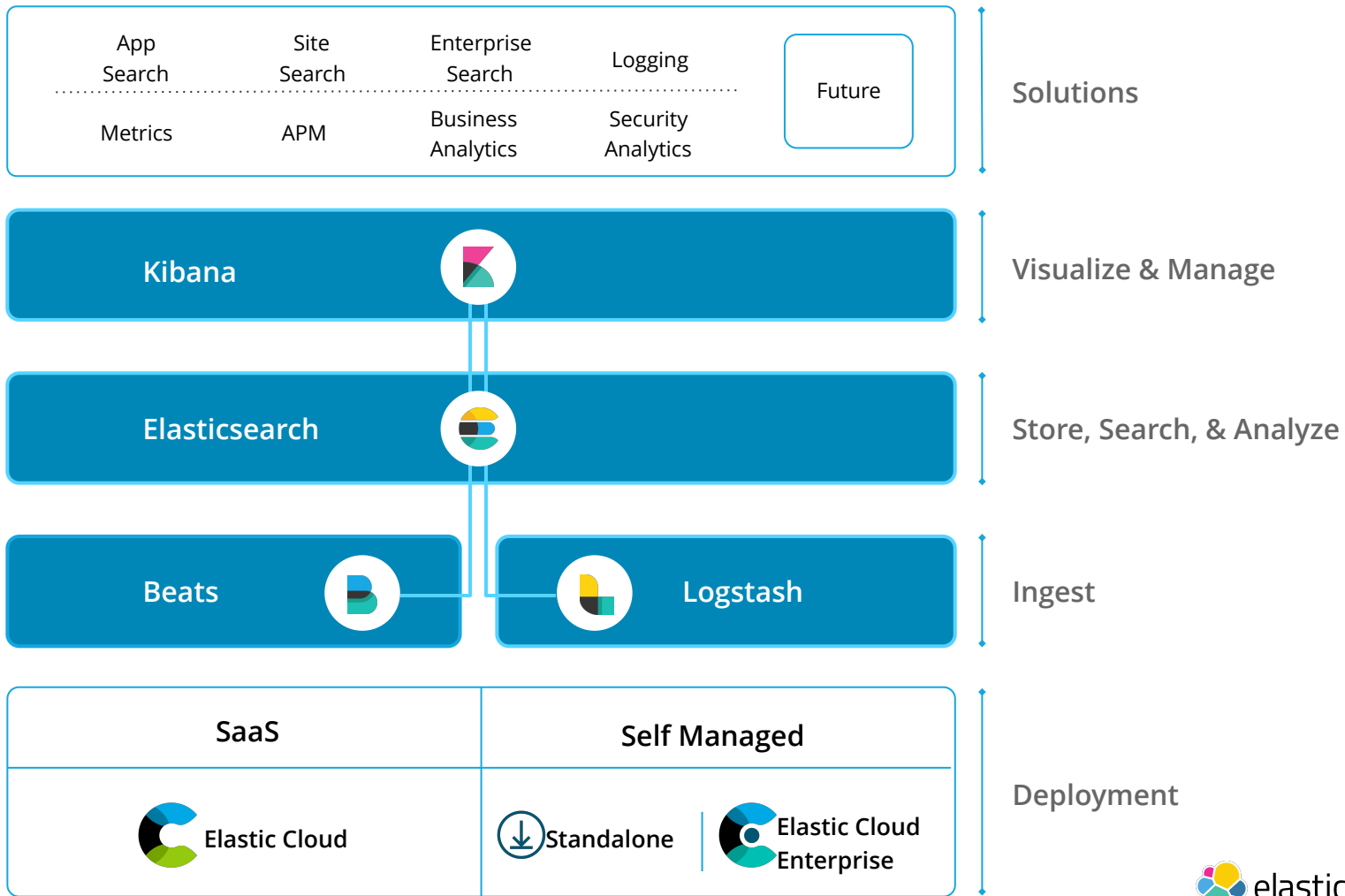
---



# Who?

```
$ curl http://localhost:9200/talk/speaker/dpilato
{
  "nom" : "David Pilato",
  "jobs" : [
    { "boite" : "SRA Europe (SSII)", "mission" : "bon à tout faire", "date" : "1995" },
    { "boite" : "SFR", "mission" : "touche à tout", "date" : "1997" },
    { "boite" : "e-Brands / Vivendi", "mission" : "chef de projets", "date" : "2000" },
    { "boite" : "DGDDI (douane)", "mission" : "mouton à 5 pattes", "date" : "2005" },
    { "boite" : "IDEO Technologies", "mission" : "CTO", "date" : "2012" },
    { "boite" : "elastic", "mission" : "développeur", "date" : "2013" } ],
  "passions" : [ "famille", "job", "deejay" ],
  "blog" : "http://david.pilato.fr/",
  "twitter" : [ "@dadoonet", "@elasticfr" ],
  "email" : "david@pilato.fr"
}
```

  
Elastic Stack



| GRATUIT        |       | GOLD                   | PLATINUM               |
|----------------|-------|------------------------|------------------------|
| OPEN SOURCE    | BASIC |                        |                        |
| Téléchargement |       | Demande d'informations | Demande d'informations |

## SUITE ELASTIC / ELASTIC STACK

| Elasticsearch                          |   |   |   |   |
|----------------------------------------|---|---|---|---|
| ✓ Scalabilité & Résilience             | ✓ | ✓ | ✓ | ✓ |
| ✓ Requêtage & Analytics                | ✓ | ✓ | ✓ | ✓ |
| ✓ Enrichissement des données           | ✓ | ✓ | ✓ | ✓ |
| ✓ Gestion & Outils                     | ✓ | ✓ | ✓ | ✓ |
| ✓ Security                             |   |   | ✓ | ✓ |
| ✓ Alerting                             |   |   | ✓ | ✓ |
| ✓ Machine Learning                     |   |   |   | ✓ |
| Kibana                                 |   |   |   |   |
| ✓ Exploration et visualisation         | ✓ | ✓ | ✓ | ✓ |
| ✓ Gestion de la Suite Elastic & Outils | ✓ | ✓ | ✓ | ✓ |
| ✓ Stack Monitoring                     |   | ✓ | ✓ | ✓ |

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





## Support

Architecture / Index / Shard Design

Cluster Management & Fine Tuning

Query Performance Optimization

Dev to Production Migration & Upgrades

Elastic Stack and X-Pack Best Practices

Experienced Support Engineers

*Included in Elastic Subscription Packages;  
More than traditional technical support*



## Training

### **Become an Elastic Stack expert.**

Hands on technical and operational courses. Public courses around the world. Private courses on request.



## Consulting

### **Accelerate your team's success.**

Work with our consultants at any phase of your implementation – prototype, design, development, migration, and optimization.

# Some data

```
CREATE TABLE user
(
  name VARCHAR(100),
  comments VARCHAR(1000)
);
INSERT INTO user VALUES ('David Pilato', 'Developer at elastic');
INSERT INTO user VALUES ('Malloum Laya', 'Worked with David at french customs service');
INSERT INTO user VALUES ('David Gageot', 'Engineer at Google');
INSERT INTO user VALUES ('David David', 'Who is that guy?');
```

## Search on term

```
INSERT INTO user VALUES ('David Pilato', 'Developer at elastic');  
INSERT INTO user VALUES ('Malloum Laya', 'Worked with David at  
french customs service');  
INSERT INTO user VALUES ('David Gageot', 'Engineer at Google');  
INSERT INTO user VALUES ('David David', 'Who is that guy?');
```

```
SELECT * FROM user WHERE name="David";  
Empty set (0,00 sec)
```

# Search like

```
INSERT INTO user VALUES ('David Pilato', 'Developer at elastic');
INSERT INTO user VALUES ('Malloum Laya', 'Worked with David at french customs service');
INSERT INTO user VALUES ('David Gageot', 'Engineer at Google');
INSERT INTO user VALUES ('David David', 'Who is that guy?');
```

```
SELECT * FROM user WHERE name LIKE "%David%";
```

| name         | comments             |
|--------------|----------------------|
| David Pilato | Developer at elastic |
| David Gageot | Engineer at Google   |
| David David  | Who is that guy?     |

# Search like

```
INSERT INTO user VALUES ('David Pilato', 'Developer at elastic');
INSERT INTO user VALUES ('Malloum Laya', 'Worked with David at french customs service');
INSERT INTO user VALUES ('David Gageot', 'Engineer at Google');
INSERT INTO user VALUES ('David David', 'Who is that guy?');
```

```
SELECT * FROM user WHERE name LIKE "%David%Pilato%";
```

|              |                      |
|--------------|----------------------|
| name         | comments             |
| David Pilato | Developer at elastic |

## Search like with inverted terms

```
INSERT INTO user VALUES ('David Pilato', 'Developer at elastic');  
INSERT INTO user VALUES ('Malloum Laya', 'Worked with David at  
french customs service');  
INSERT INTO user VALUES ('David Gageot', 'Engineer at Google');  
INSERT INTO user VALUES ('David David', 'Who is that guy?');
```

```
SELECT * FROM user WHERE name LIKE "%Pilato%David%";  
Empty set (0,00 sec)
```

## Search in two fields

```
INSERT INTO user VALUES ('David Pilato', 'Developer at elastic');
INSERT INTO user VALUES ('Malloum Laya', 'Worked with David at french customs service');
INSERT INTO user VALUES ('David Gageot', 'Engineer at Google');
INSERT INTO user VALUES ('David David', 'Who is that guy?');
```

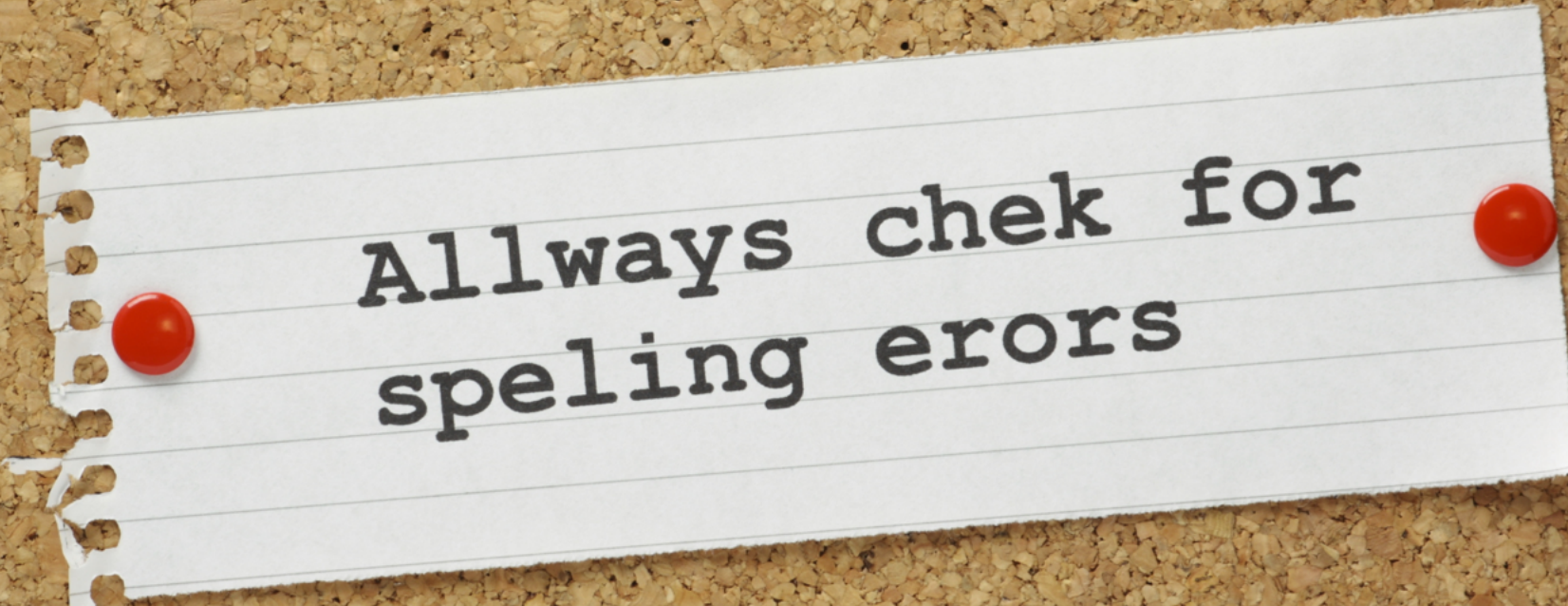
```
SELECT * FROM user WHERE name LIKE "%David%" OR
                        comments LIKE "%David%";
```

| name         | comments                                    |
|--------------|---------------------------------------------|
| David Pilato | Developer at elastic                        |
| Malloum Laya | Worked with David at french customs service |
| David Gageot | Engineer at Google                          |
| David David  | Who is that guy?                            |









Allways chek for  
speling erors



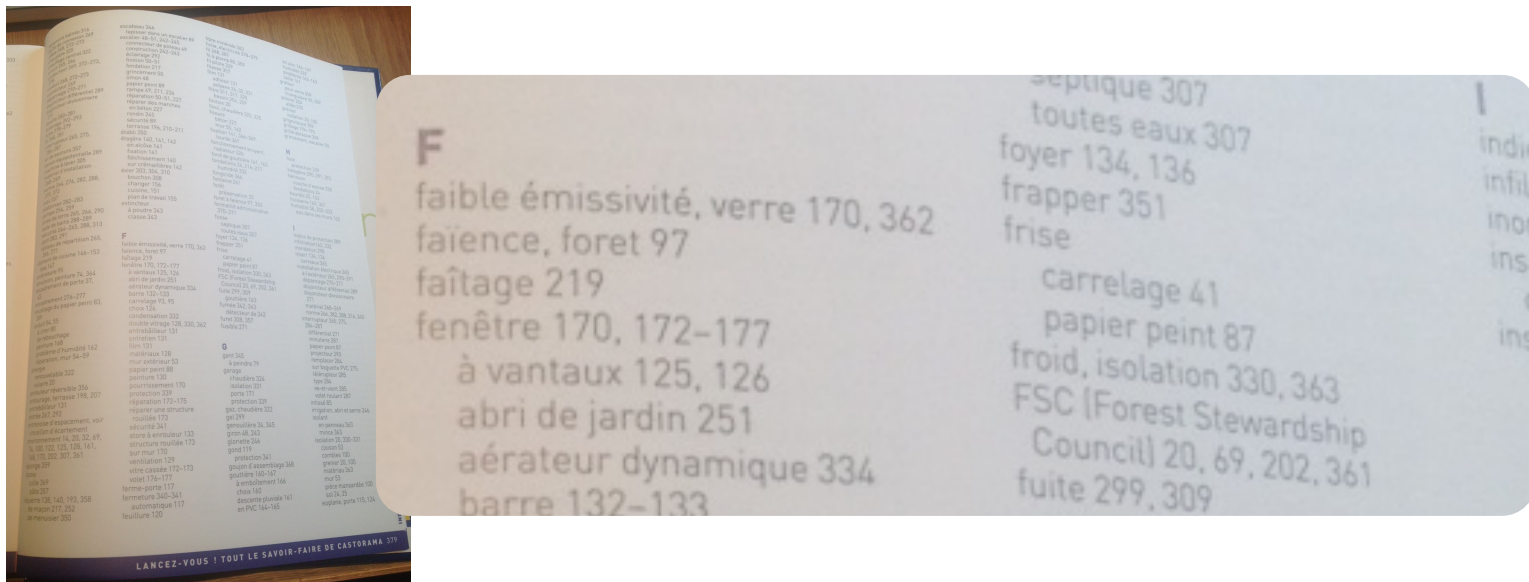


# User Interface

|                          |                                                                                                                                                     |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Search:            |                                                                                                                                                     |
| ID Number                | <input type="text"/>                                                                                                                                |
| Web Title                | <input type="text"/>                                                                                                                                |
| Url                      | <input type="text"/>                                                                                                                                |
| Category                 | Select                                                                                                                                              |
| Web Description          | <input type="text"/>                                                                                                                                |
| Keywords                 | <input type="text"/>                                                                                                                                |
| Contact Name             | <input type="text"/>                                                                                                                                |
| Contact Email            | <input type="text"/>                                                                                                                                |
| Featured Links 🍌         | Select ▾                                                                                                                                            |
| Cool Links 🍌             | Select ▾                                                                                                                                            |
| Bold Links               | Select ▾                                                                                                                                            |
| Icon                     | <input type="radio"/> ⚠ <input type="radio"/> 😬 <input type="radio"/> ⚡<br><input type="radio"/> 📺 <input type="radio"/> 🔪 <input type="radio"/> 🇸🇰 |
| Rating Average ★★★★★     | Select ▾                                                                                                                                            |
| Number of Votes          | between <input type="text"/> and <input type="text"/>                                                                                               |
| Total Hits               | between <input type="text"/> and <input type="text"/>                                                                                               |
| Hits Today               | between <input type="text"/> and <input type="text"/>                                                                                               |
| IP Address               | <input type="text"/>                                                                                                                                |
| Submission Software Name | <input type="text"/>                                                                                                                                |

# Search engine?

- Moteur d'indexation de documents



- Moteur de recherche dans les index



elasticsearch



kibana



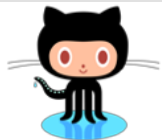
cloud

# Demo time!

BECOME A PIONEER



HSBC 



**GROUPON**



*vimeo*



*foursquare*



The  
New York  
Times

**tinder.**

**ebay**

**Eventbrite**



**verizon**

**NETFLIX**



*PayPal*



**theguardian**



**Quora**









elasticfr



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User Group

[discuss.elastic.co](https://discuss.elastic.co)

