



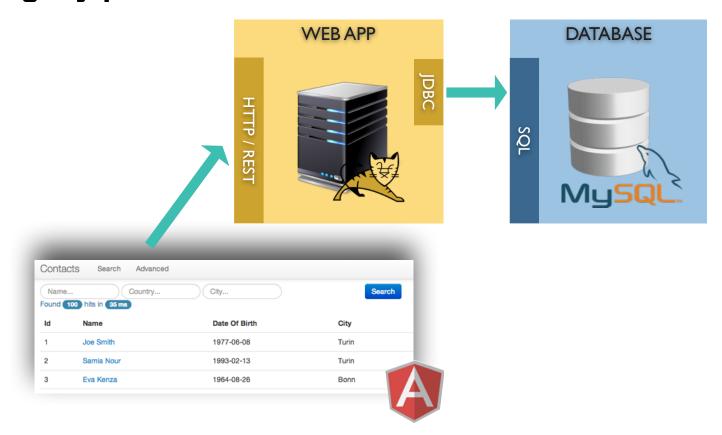
David Pilato Developer | Evangelist @dadoonet

Advanced search for your legacy application



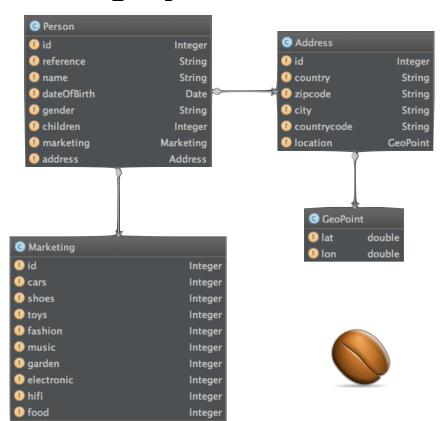


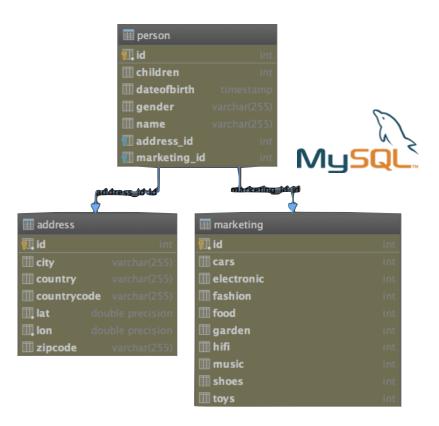
our legacy platform





our legacy domain / database







demo time

our legacy application



```
$ git clone https://github.com/dadoonet/legacy-search.git
$ git checkout 00-legacy
$ mvn clean install jetty:run
```



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 Docker');
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 Docker');
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 Docker');
INSERT INTO user VALUES ('David David', 'Who is that guy?');
SELECT * FROM user WHERE name LIKE "%David%";
                comments
 name
 David Pilato | Developer at elastic
 David Gageot | Engineer at Docker
  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 Docker');
INSERT INTO user VALUES ('David David', 'Who is that guy?');
SELECT * FROM user WHERE name LIKE "%David%Pilato%";
               comments
 name
 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 Docker');
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 Docker');
INSERT INTO user VALUES ('David David', 'Who is that guy?');
SELECT * FROM user WHERE name LIKE "%David%" OR
                        comments LIKE "%David%";
               comments
 name
 David Pilato | Developer at elastic
               Worked with David at french customs service
 Malloum Laya
 David Gageot
               Engineer at Docker
  David David
               Who is that guy?
```









Connecting with our app Architecture



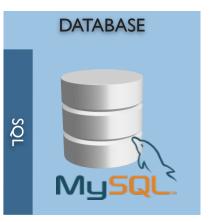


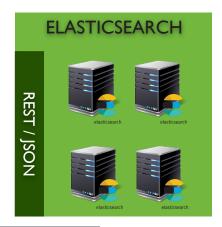




using a ETL







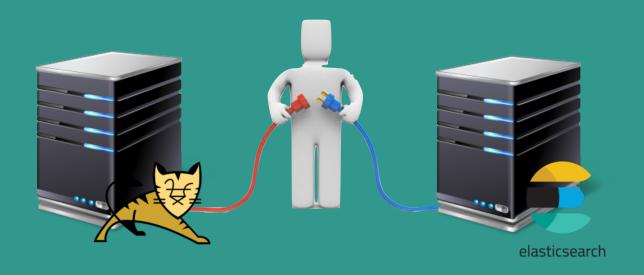






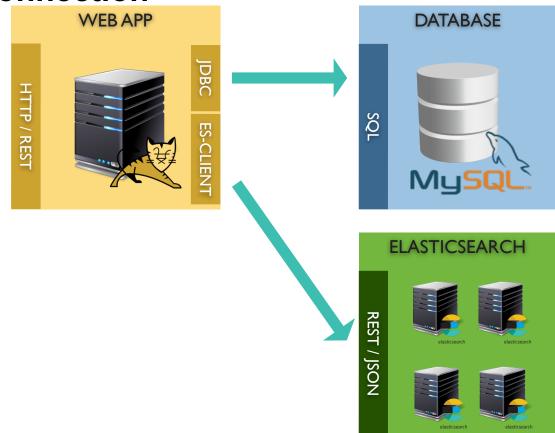


Do It Yourself Direct Connection





direct connection







JSON document design







```
PUT /person/person/1
{
    "name":"Joe Pink",
    "dateOfBirth":"1971-12-26",
    "address_id":"2",
    "marketing_id":"3"
}
```

```
PUT /person/address/2
{
    "city":"Paris",
    "country":"France"
}
```

```
PUT /person/marketing/3
{
    "cars":1000,
    "food":1500
}
```



JSON document design







```
rson/person/1
```

```
PUT /person/person/1
{
    "name":"Joe Pink",
    "dateOfBirth":"1971-12-26",
    "address":{
        "city":"Paris",
        "country":"France"
},
    "marketing":{
        "cars":1000,
        "food":1500
}
```



demo time

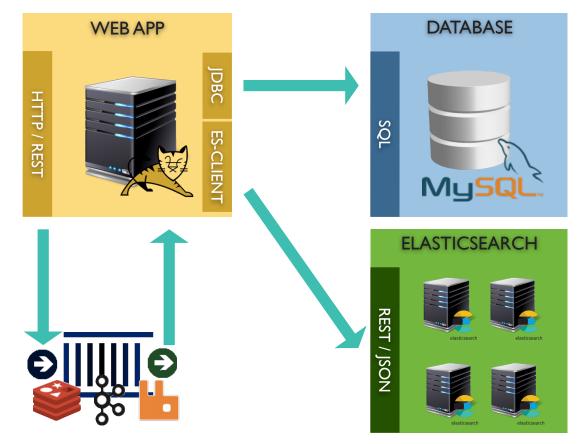
direct connection

```
$ git clone https://github.com/dadoonet/legacy-search.git
$ git checkout 01-direct
$ git checkout 02-bulk
$ git checkout 03-mapping
$ git checkout 04-aggs
$ git checkout 05-compute
$ mvn clean install jetty:run
$ cat README.markdown
```



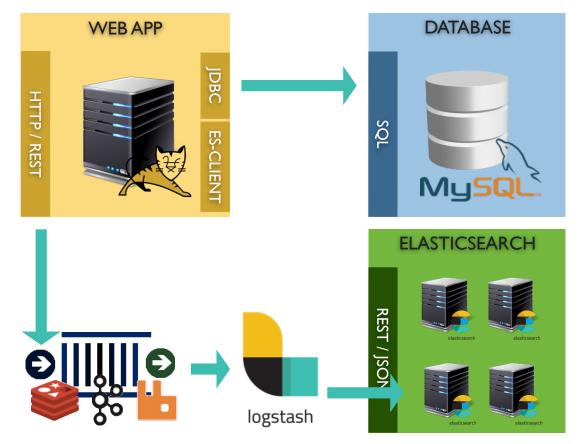


using brokers



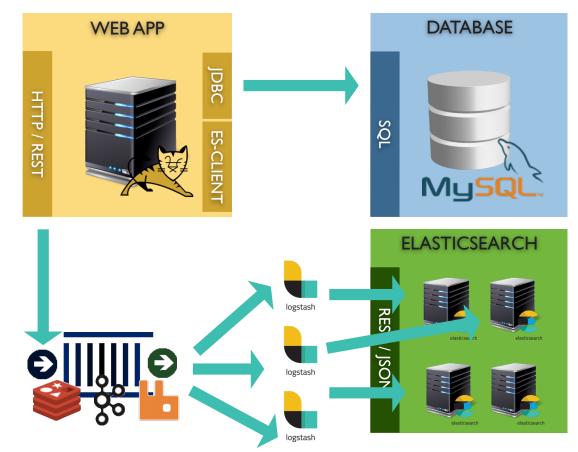


using brokers



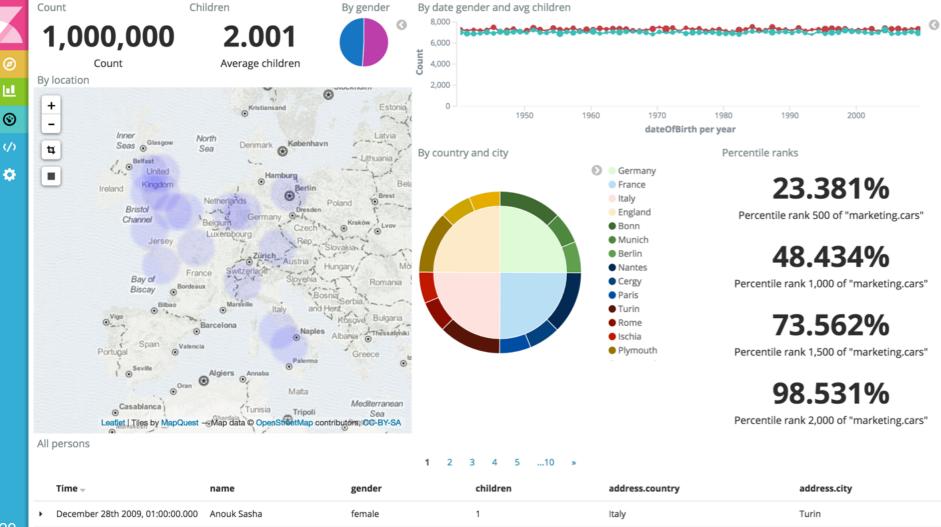


using brokers









Cormany

Munich

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December 29th 2000 01:00:00 000 Maxima Line







спасибо!

https://www.elastic.co/subscriptions

https://github.com/dadoonet/legacy-search.git



