

advanced search for your legacy application

David Pilato
Technical advocate



elasticsearch.
@dadoonet



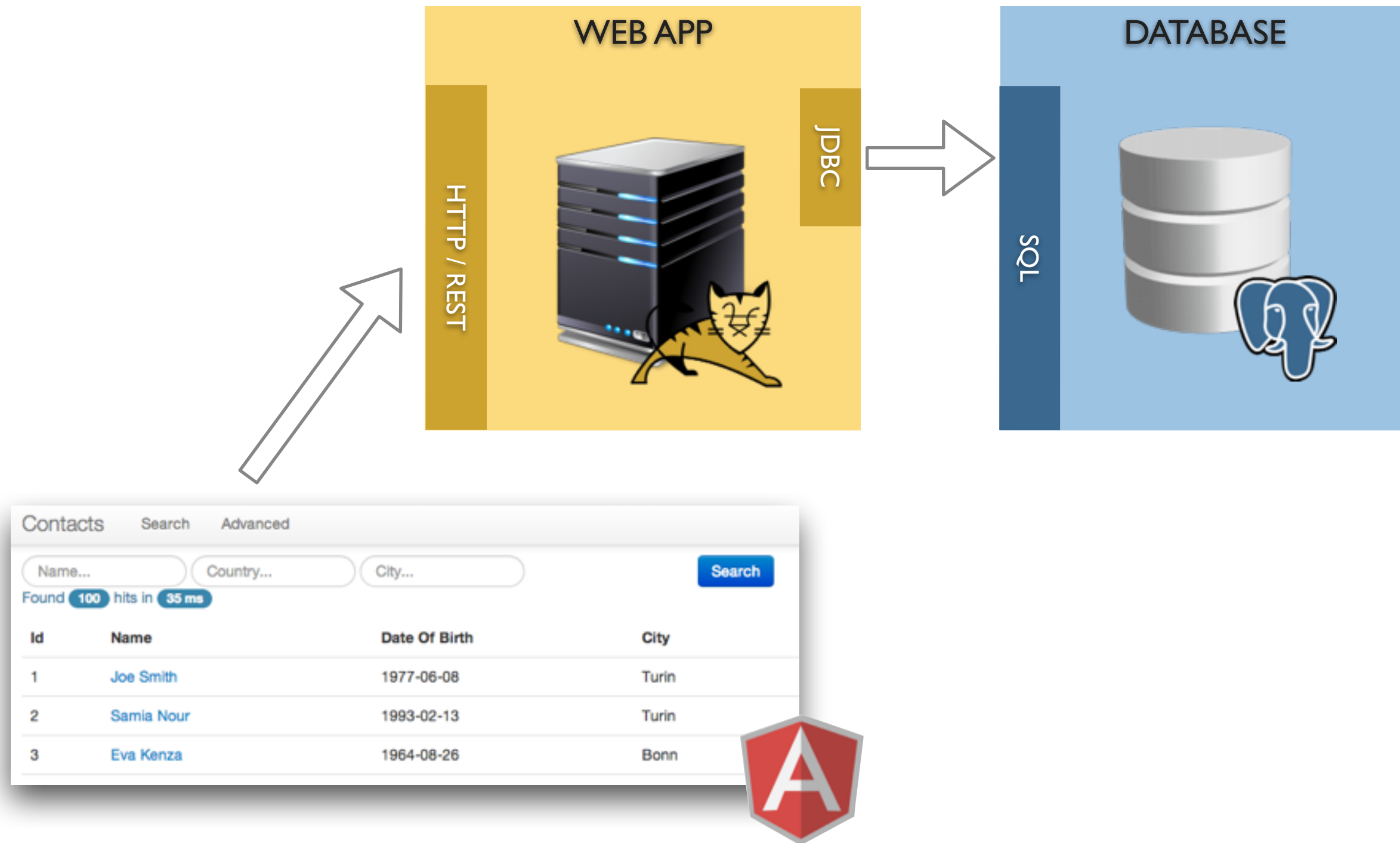
TM



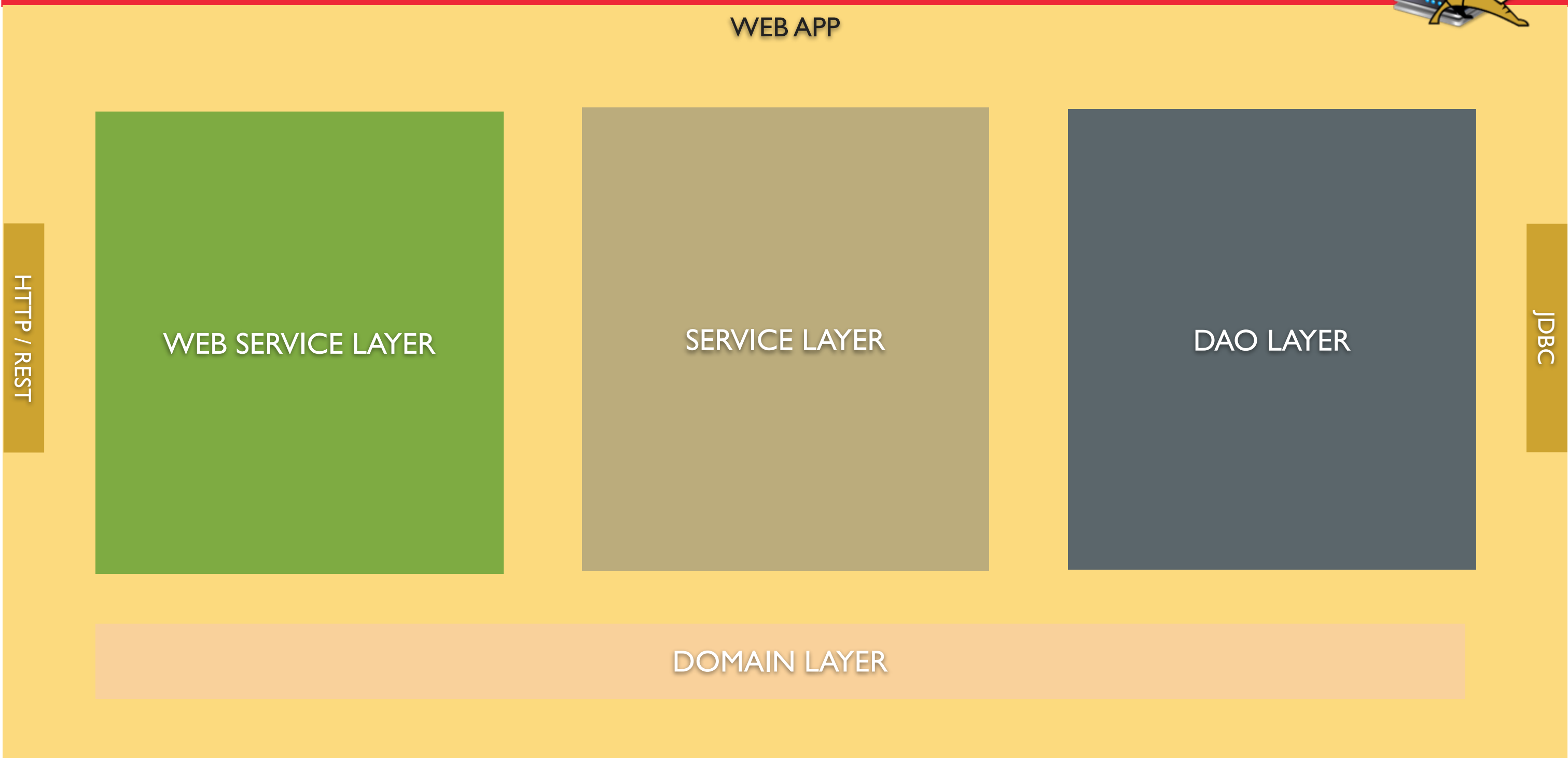
our use case



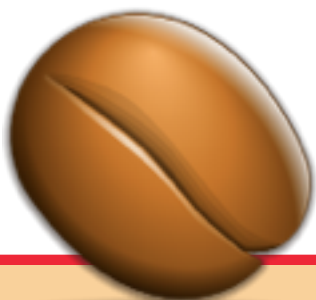
our legacy platform



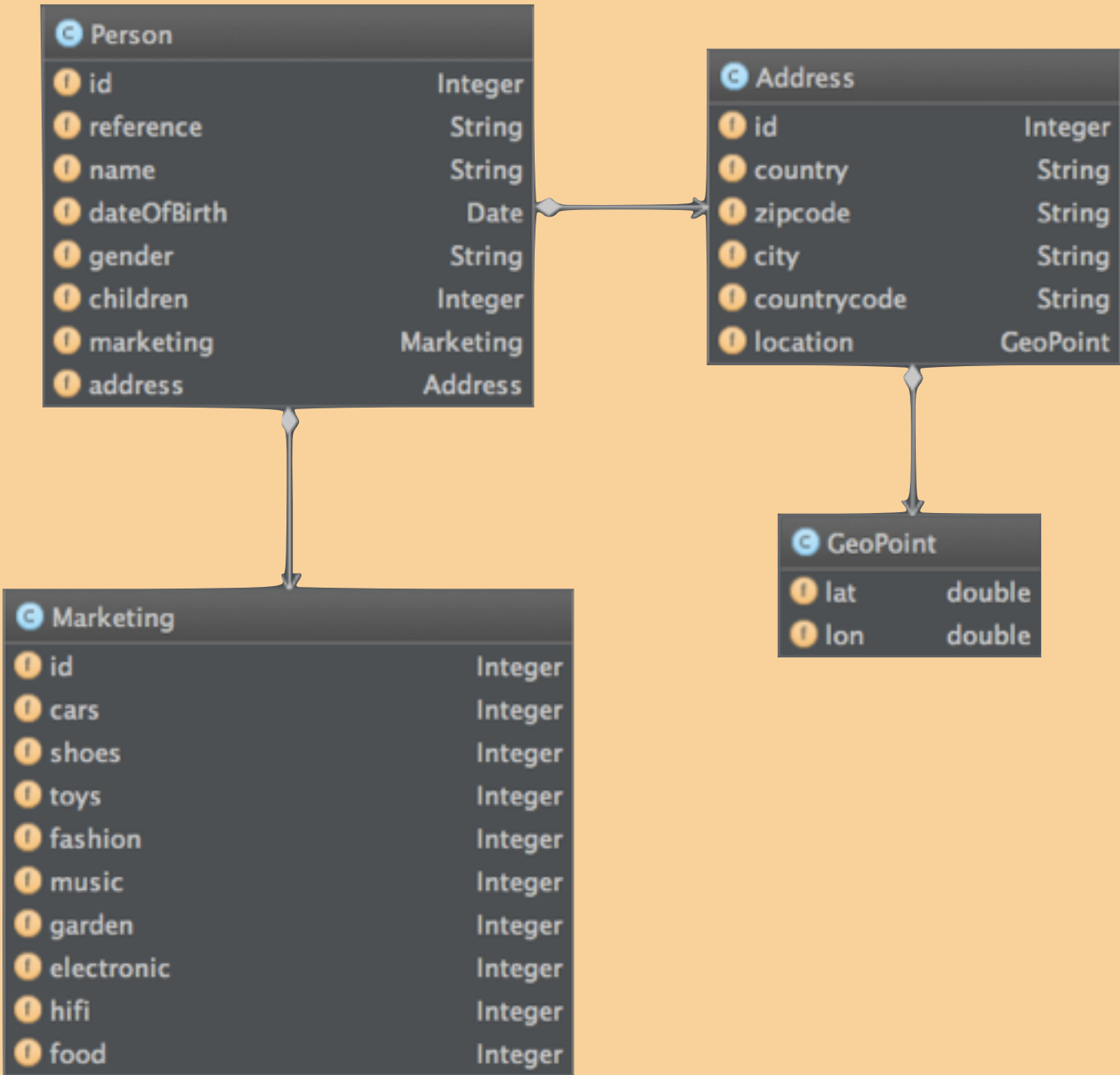
our legacy application



our legacy domain



JAVA BEANS

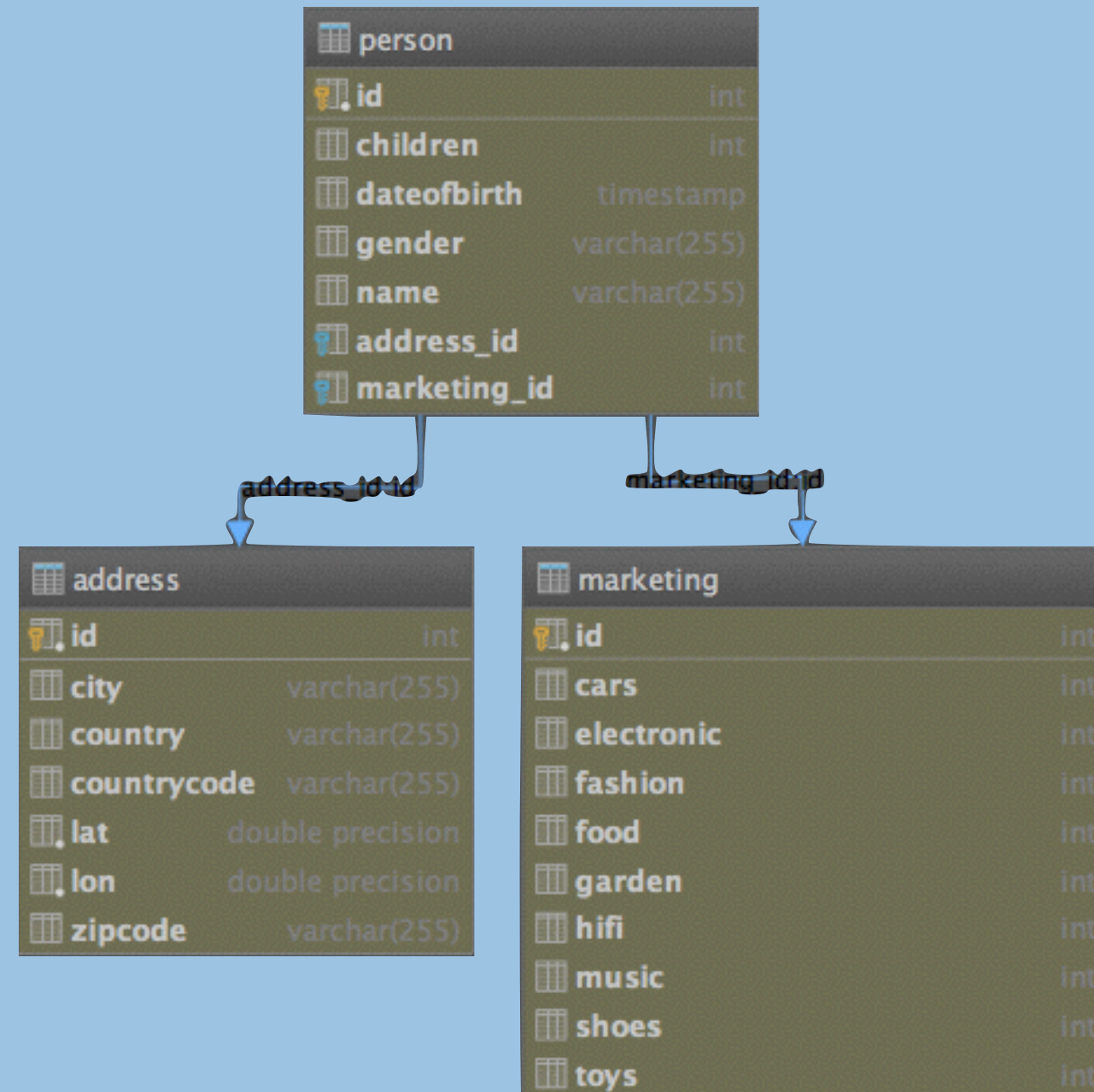


our legacy database



SQL

DATABASE



Demo

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



connecting with our app architecture



JSON document design



person	
id	int
children	int
dateofbirth	timestamp
gender	varchar(255)
name	varchar(255)
address_id	int
marketing_id	int

address	
id	int
city	varchar(255)
country	varchar(255)
countrycode	varchar(255)
lat	double precision
lon	double precision
zipcode	varchar(255)

marketing	
id	int
cars	int
electronic	int
fashion	int
food	int
garden	int
hifi	int
music	int
shoes	int
toys	int

```
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



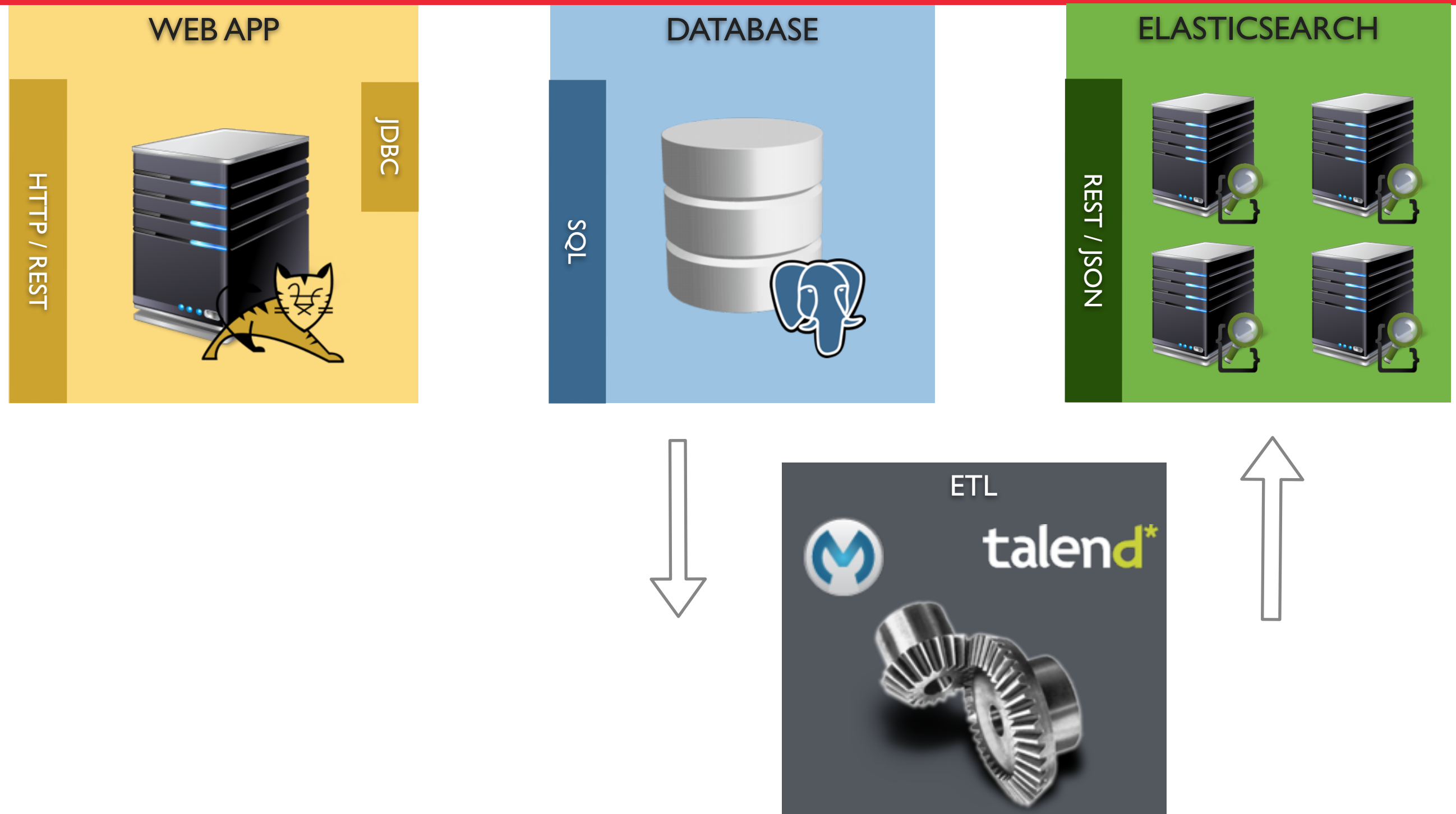
person	
id	int
children	int
dateofbirth	timestamp
gender	varchar(255)
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marketing	
id	int
cars	int
electronic	int
fashion	int
food	int
garden	int
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music	int
shoes	int
toys	int

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

using an ETL

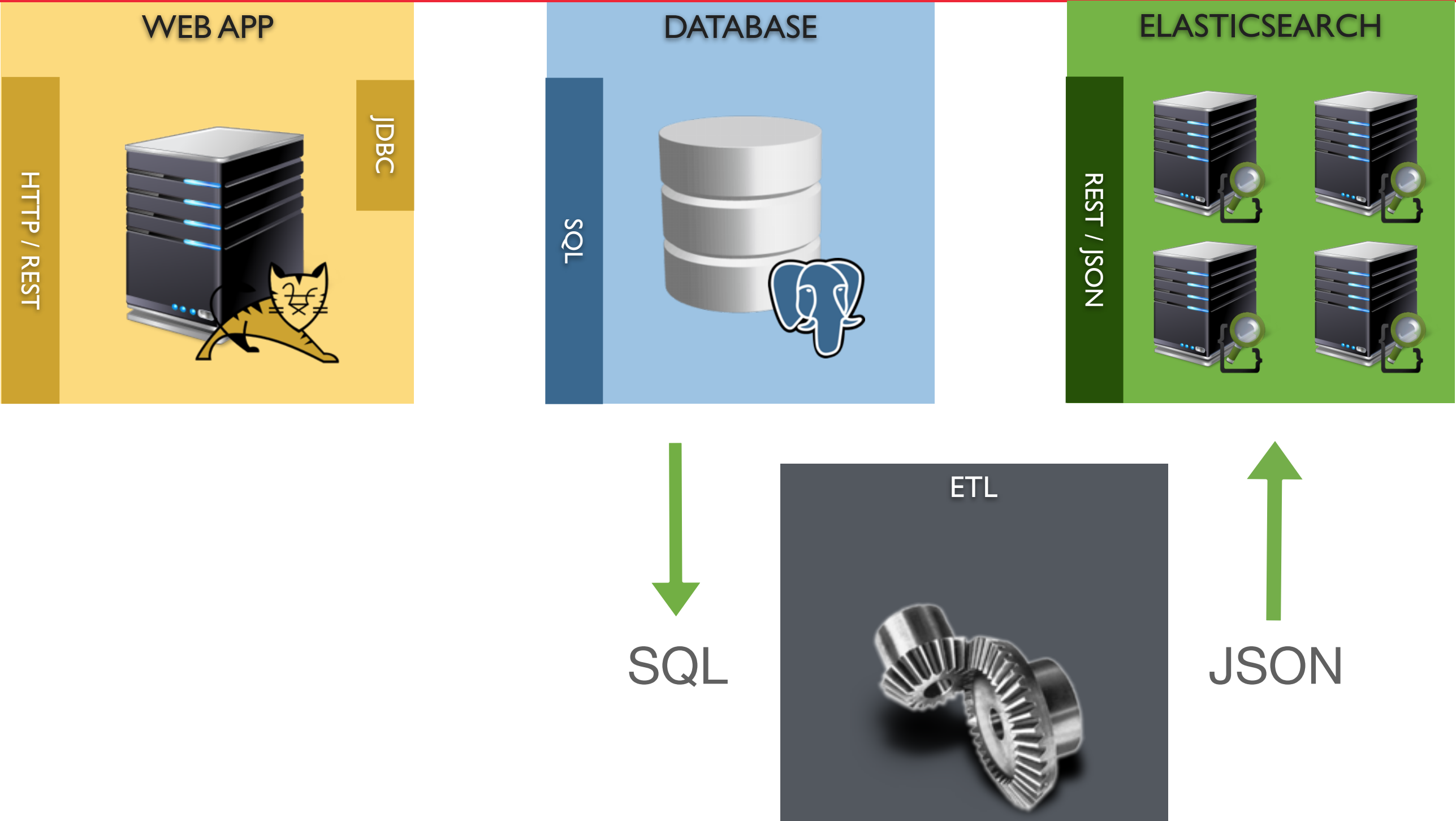


elasticsearch rivers

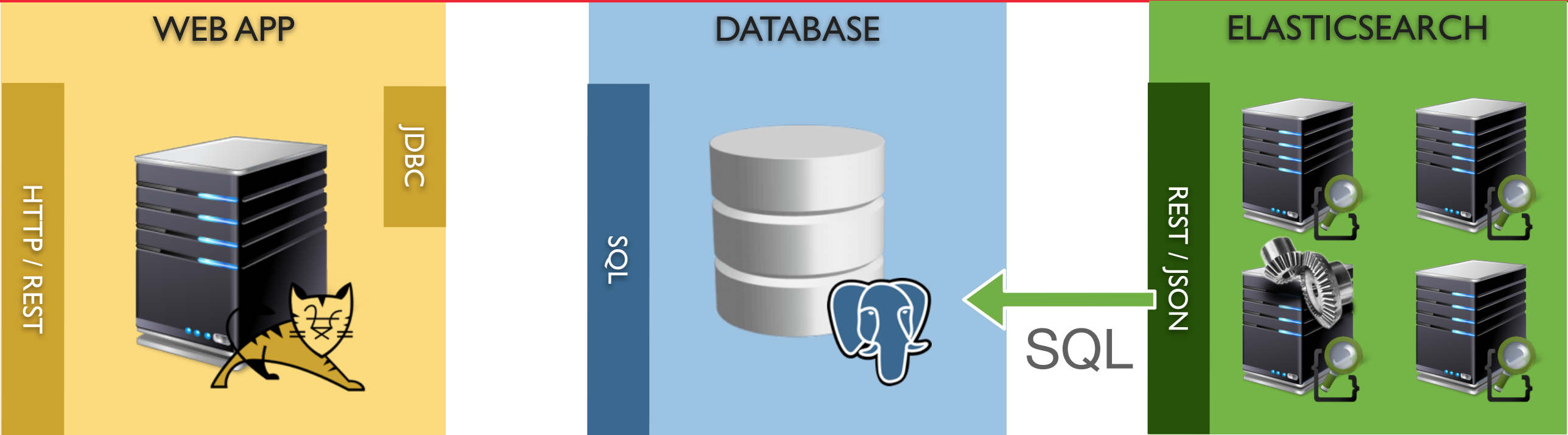
JDBC River



JDBC river

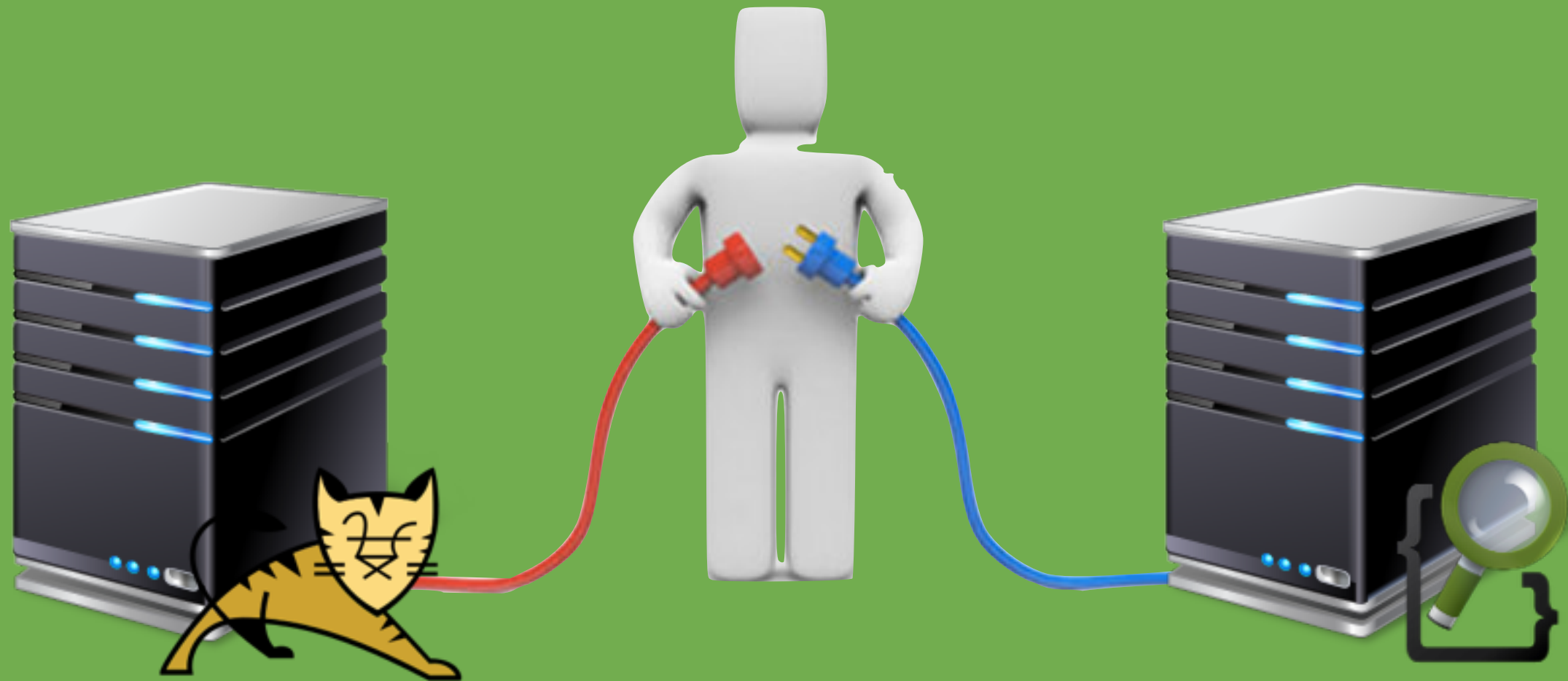


JDBC river

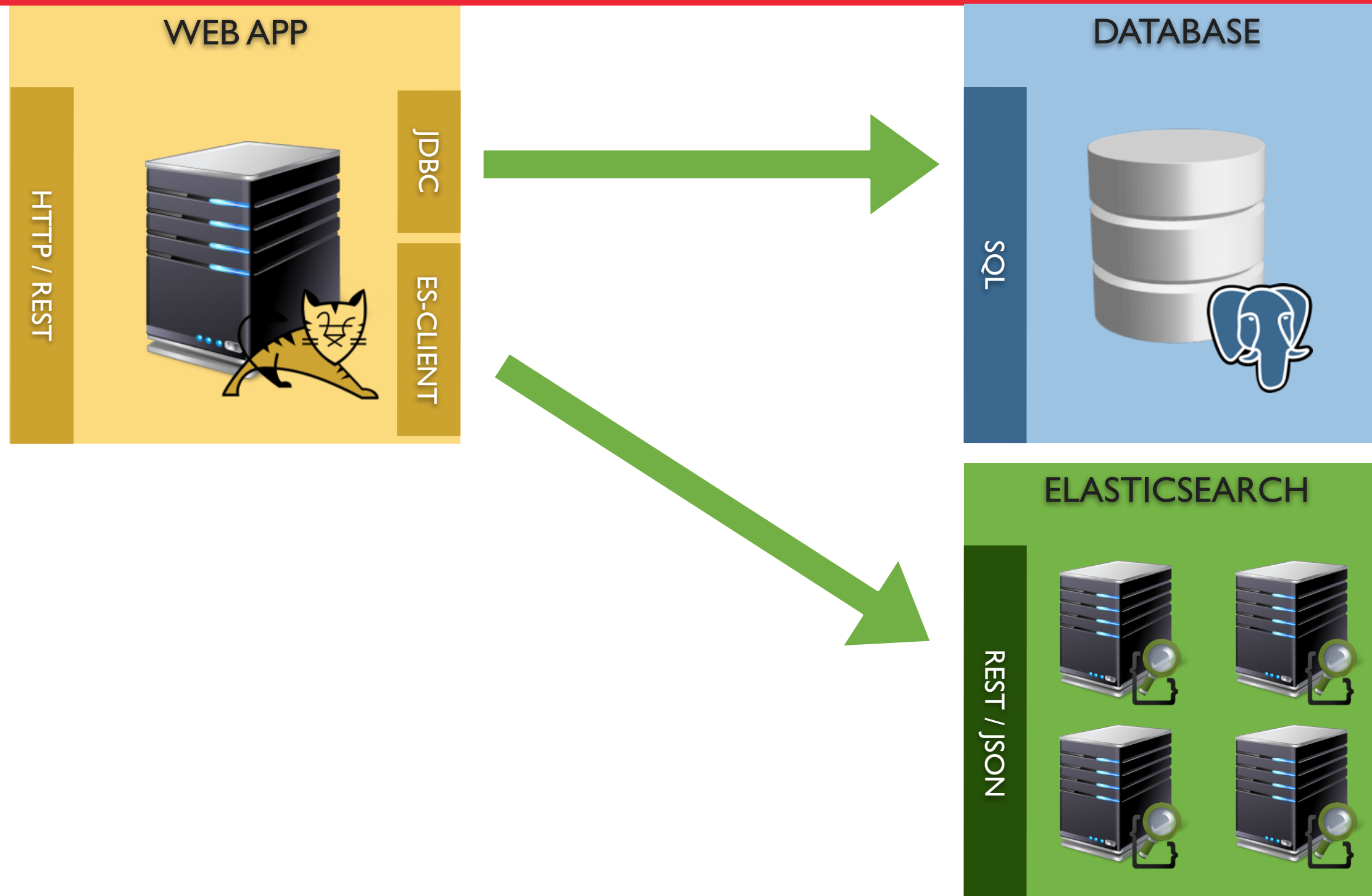




Do It Yourself direct connection



direct connection



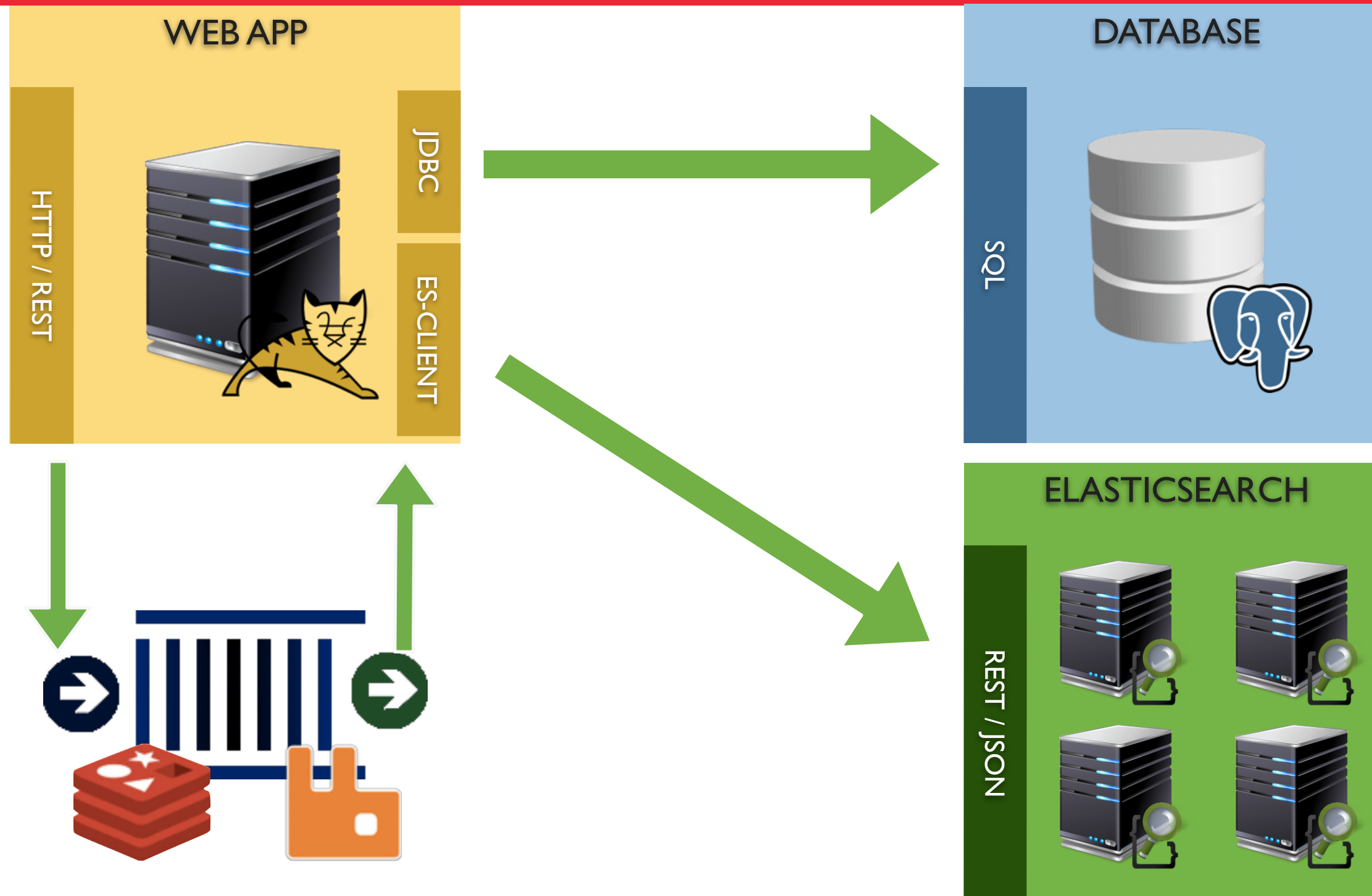
Demo

```
$ 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
```

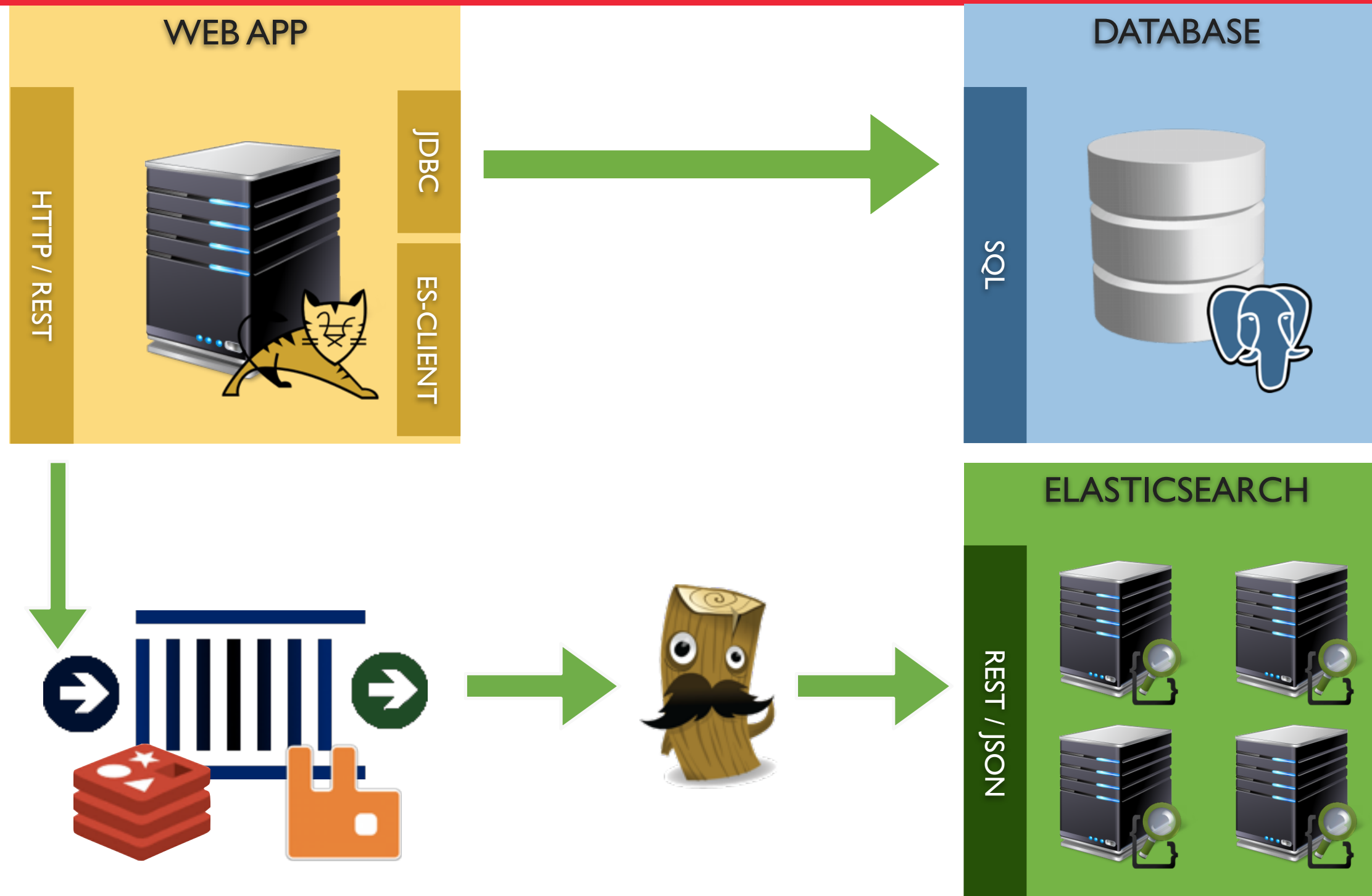


synchronous vs asynchronous

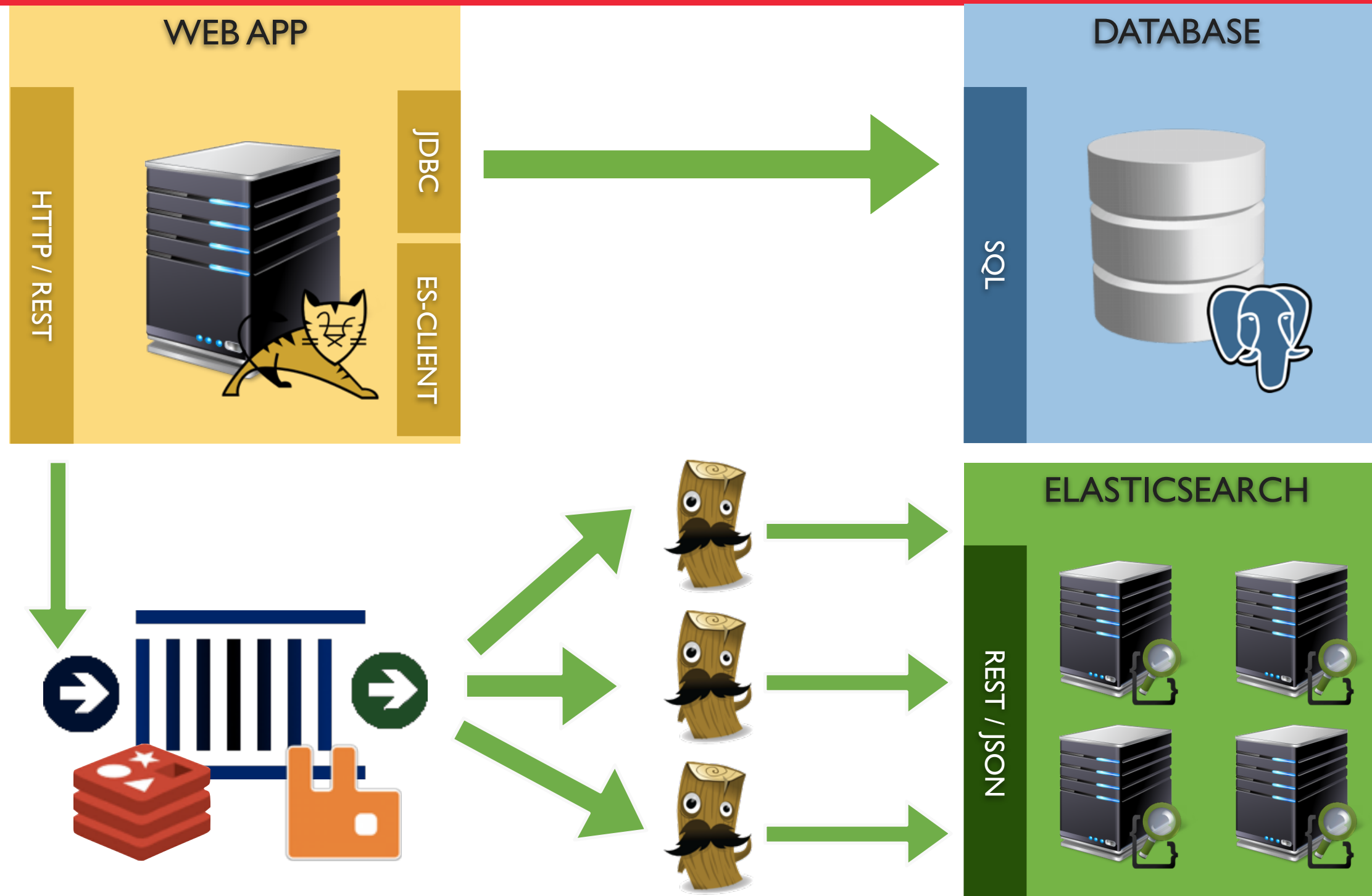
using brokers



using brokers



using brokers



COME TO THE DARK SIDE

WE HAVE COOKIES!

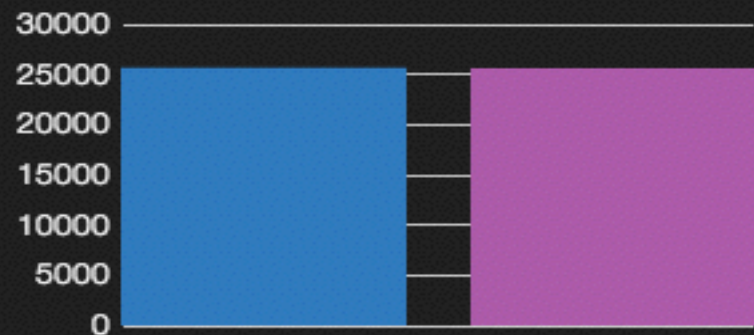




HITS



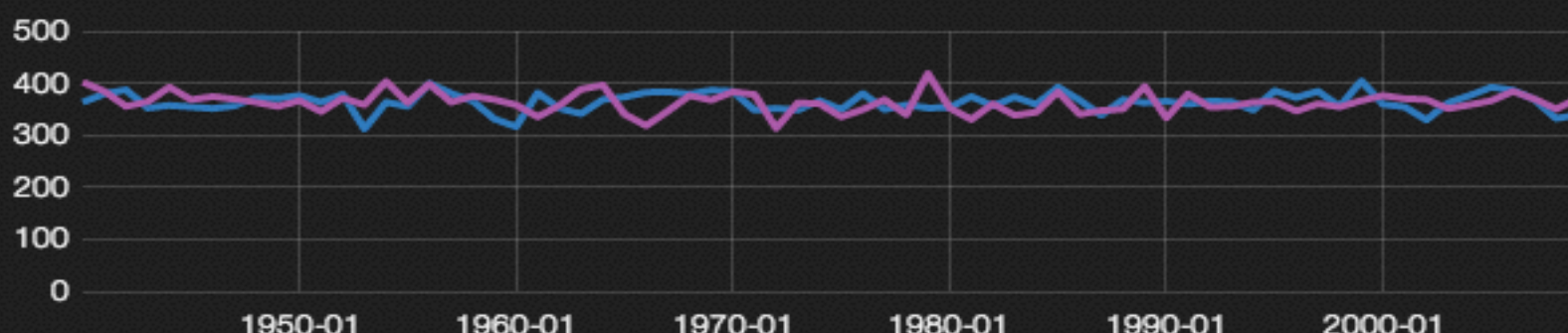
● England (25448) ● France (25395)



HISTOGRAM



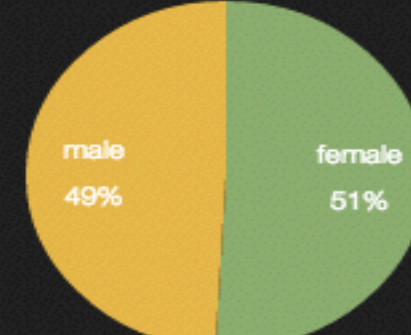
View | Zoom Out | ● England (25448) ● France (25395) count per 1y | (50843 hits)



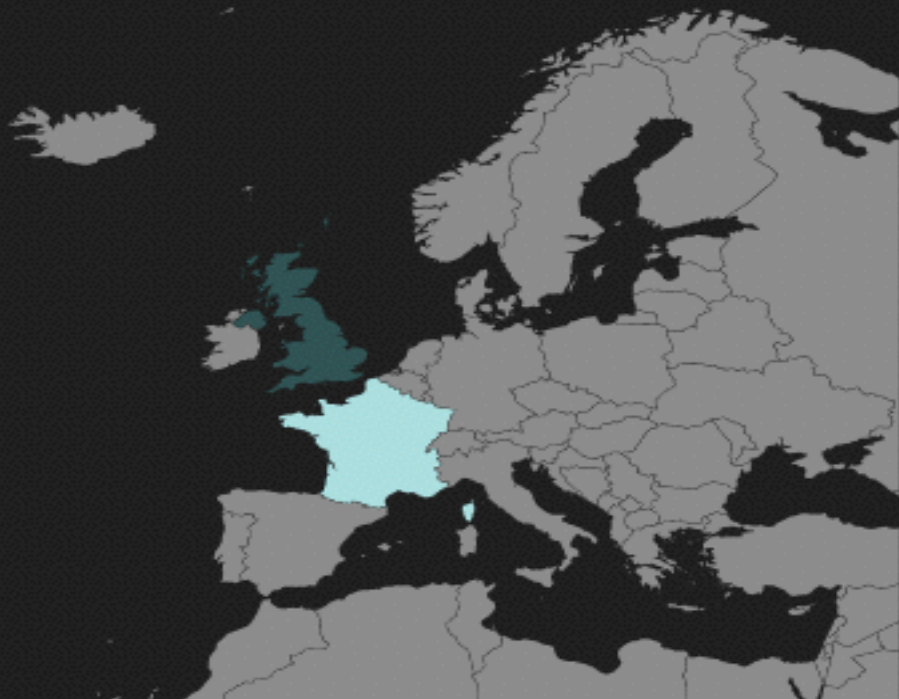
TERMS



● female (25854) ● male (24989)



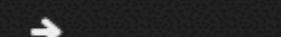
MAP



TABLE



0 to 100 of 500 available for paging



name	gender	dateOfBirth	children	address.country	address.city	marketing.cars	marketing.food
Rami Honore	male	1957-04-22	0	England	Liverpool	188	613
Balthazar Reda	male	1985-10-21	0	England	Plymouth		
Liv Amy	female	1952-11-20	4	England	Plymouth		723
Filip Adrian	male	1973-11-10	0	England	Plymouth		
Felcie Kadiatou	female	1972-08-09	3	England	Plymouth	1388	
elisa Zachary	female	1996-08-22	0	England	Plymouth		
Sofia Driss	female	1956-03-09	2	England	Liverpool		
Matthias Abdoul	male	1979-09-07	1	England	London	1876	
Jayden Flora	male	1942-07-03	0	England	Plymouth		
Jonah Charlene	male	1981-12-19	2	England	London		
Leyla Mae	female	1983-11-05	0	England	Plymouth		
Maria Constanza	female	1972-07-21	1	England	Liverpool		



[http://elasticsearch.com/support/
jobs@elasticsearch.com](http://elasticsearch.com/support/jobs@elasticsearch.com)

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Q & A

