

Jug Summer Camp

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Elasticsearch Query Language: **ES|QL**

Speaker : David Pilato - @dadoonet

slides et demo



SERLI



Couchbase

elastic

GitHub

clever cloud



DARVA

gedivote.



Histoire



Elasticsearch
0.9

Facets

Elasticsearch
< 0.90

Facet
terms-stats

Elasticsearch
1.0

Aggregations

Elasticsearch
2.0

Pipeline
aggregations

Elasticsearch
8.11

ES|QL



ES|QL

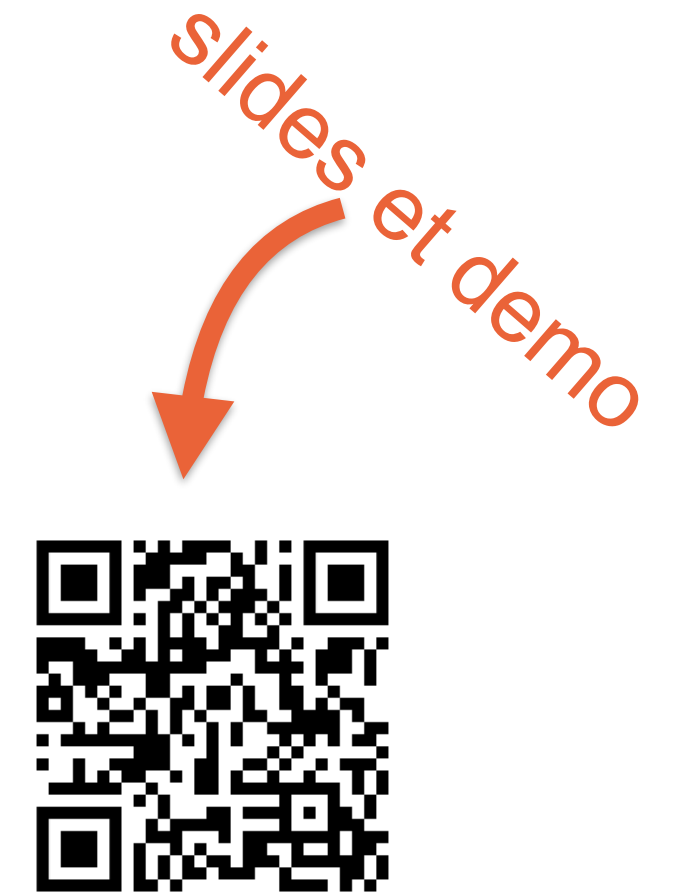
- Langage
- Moteur
- Visualisation



ES|QL

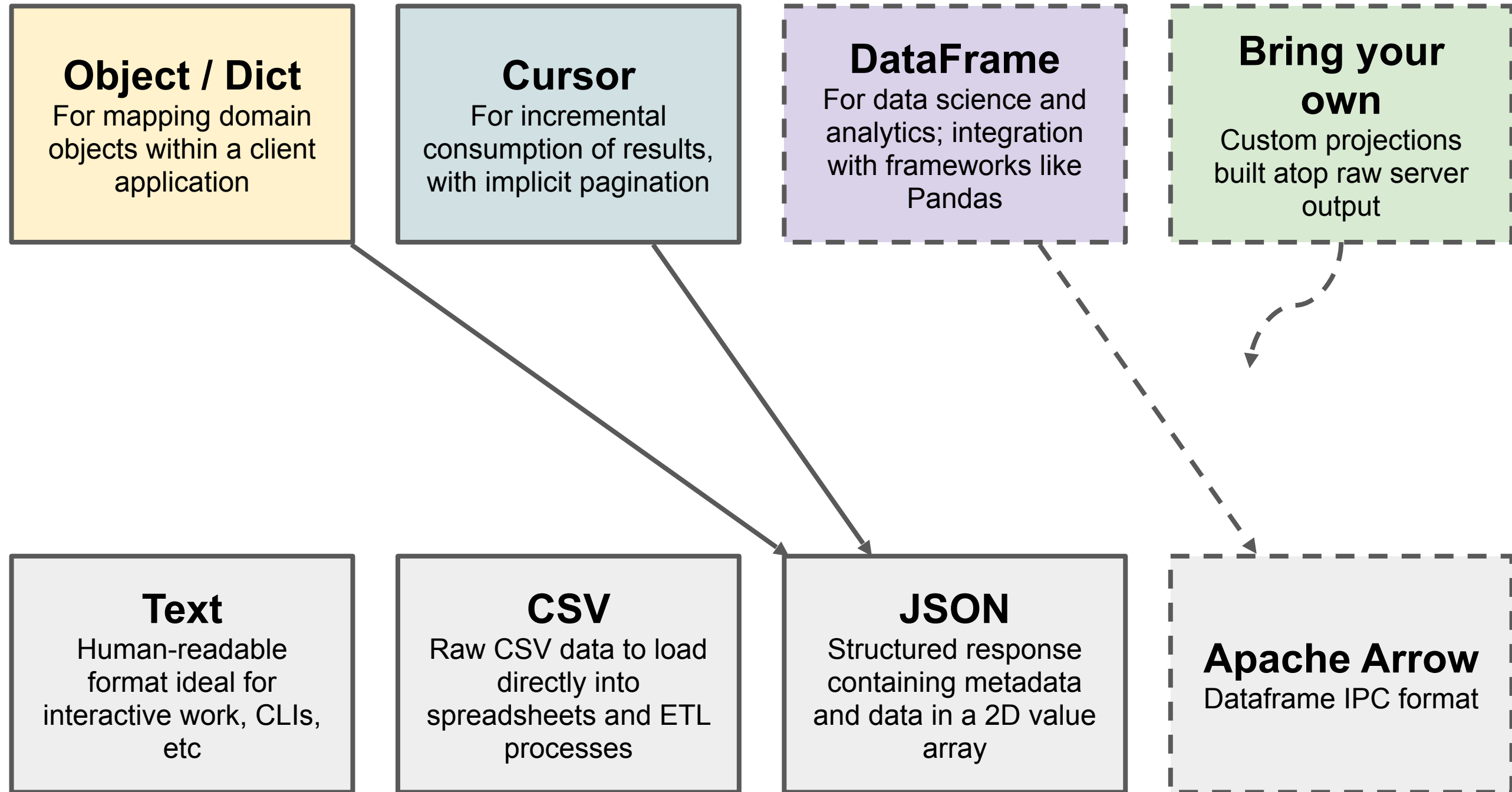
en action

<https://github.com/dadoonet/esql-demo>



Ways to consume ES | QL results

Each language client will offer a selection of projections relevant to that language ecosystem.



Users can consume raw data directly from the server output in one of several formats.

Object API

<https://github.com/dadoonet/elasticsearch-java-client-demo>

```
String query = ""
    FROM persons
    | WHERE name == "David"
    | KEEP name
    | LIMIT 1
    "" ;
```

```
Iterable<Person> persons = client.esql()
    .query(ObjectsEsqlAdapter.of(Person.class), query);
for (Person person : persons) {
    assertNull(person.getId());
    assertNotNull(person.getName());
}
```



ResultSet JDBC API

<https://github.com/dadoonet/elasticsearch-java-client-demo>

```
String query = """
    FROM persons
    | WHERE name == "David"
    | KEEP name
    | LIMIT 1
    """;

try (ResultSet resultSet = client.esql()
    .query(ResultSetEsqAdapter.INSTANCE, query)) {
    assertTrue(resultSet.next());
    assertEquals("David", resultSet.getString(1));
}
```



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