



Elasticsearch Query Language

ES|QL

David Pilato - @dadoonet
Developer | Evangelist

slides & demo



A brief history of Elasticsearch's analytical capabilities





ES|QL

- Language
- Engine
- Visualization

ES|QL

in action

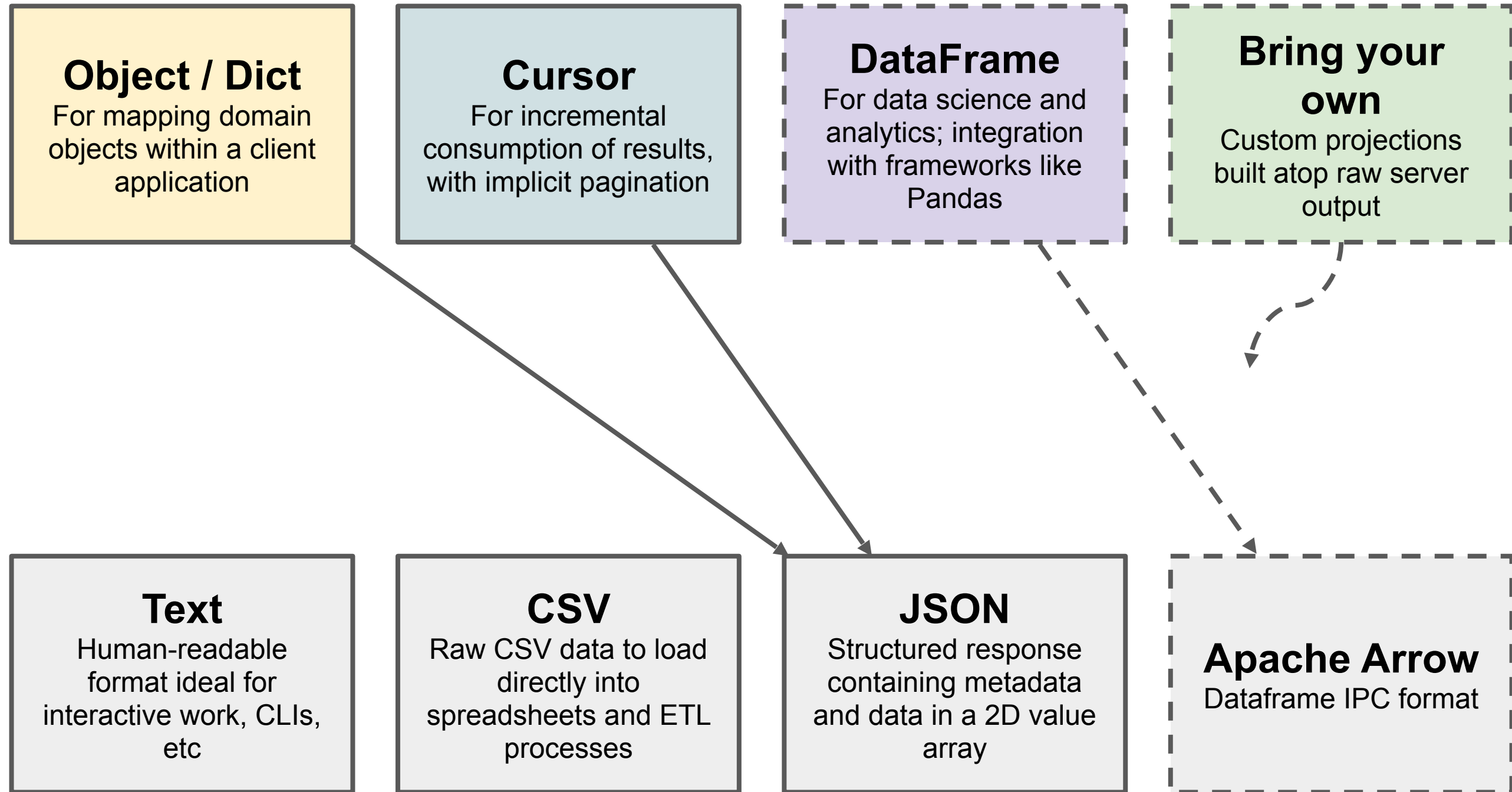
<https://github.com/dadoonet/esql-demo>

slides & 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));
}
```



Elasticsearch Query Language

ES|QL

David Pilato - @dadoonet
Developer | Evangelist

slides & demo

