

What does it mean to Enrich Data?

registration	
email	(keyword)
paid_amount	(long)

customer	
email	(keyword)
first_name	(keyword)
last_name	(keyword)
city	(keyword)
country	(keyword)
zip	(long)
web	(keyword)

```
{
  "email": "john@test.com",
  "paid_amount": 20
}
```

```
{
  "email": "john@test.com",
  "first_name": "John",
  "last_name": "Do",
  "city": "new-york",
  "country": "US",
  "zip": 90210,
  "web": "website.com"
}
```

```
// enriched result
{
  "email": "john@test.com",
  "paid_amount": 20,
  "user": {
    "email": "john@test.com",
    "first_name": "John",
    "last_name": "Do",
    "city": "new-york",
    "country": "US",
    "zip": 90210,
    "web": "website.com"
  }
}
```

Overview

PART 1 - BASICS

Give overview of data enrichment process in Elasticsearch.

Demo: Basic examples from the Elasticsearch website.

PART 2 – PRACTICAL EXAMPLE

Enrich data by uploading CSV files through Kibana. Multiple source indices.

Demo: Event Registrations

PART 3 – PRACTICAL EXAMPLE

Enrich data by using automation. Use Logstash to ingest data and transmit to Elasticsearch.

Demo: E-Commerce