In this Section, we are going to take a look at...

- Introduction to RESTful API

- Using RESTful API to search

- Using RESTful API to update

Learning ElasticSearch 5.0

Ethan Anthony

Video 4.1

Introduction to REST API

In this Video, we are going to take a look at...

- Easy interaction

- Verbs are methods

- Dichotomy of a requesting string

REST API – Easy Interaction

- Communication over http

- http Verbs

- Web client or commandline

- Simple cluster interactions

Dichotomy of a Request String

```
curl-X<VERB>'<PROTOCOL>://<HOST>:<PORT>/<PATH>?<QUERY_STRING>'
-d '<BODY>'

curl -XGET
http://localhost:9200/INDEX_NAME/_search?q=name:John
```

Shorthand version: `GET /INDEX_NAME/_search?q=name:John`

Verbs Are Methods

- Verbs are methods used to execute commands over http

- Relational DB Analogy

Database	Verb
Create	POST
Read	GET
Update	POST (partial) / PUT (whole)
Delete	DELETE

REST API Clients

- Groovy

- JavaScript

- .NET

- PHP

- Perl

- Python

- Ruby