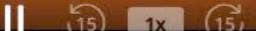




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Continue >









Learning ElasticSearch 5.0

Ethan Anthony



Ethan Anthony

Video 1.1

The Course Overview



About Me

- I am a San Francisco-based software developer, specializing in distributed datacentric technologies
- I am the Founder of Xresults
- I have over 10 years of experience in cloud based technologies such as Amazon web services and OpenStack, as well as Hadoop, Mahout, Spark, and Elastic Search
- I began using ElasticSearch in 2012 and has since delivered solutions based on the Elastic Stack to a broad range of clientele
- I have consulted globally with firms in a cross-section of industry verticals, from the US to the Fareast

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

- What is ElasticSearch?
- Installation
- Goal of ElasticSearch
- What's new in version 5.0





Apache Lucene

Distributed

Analytics Engine

Horizontal Document Store

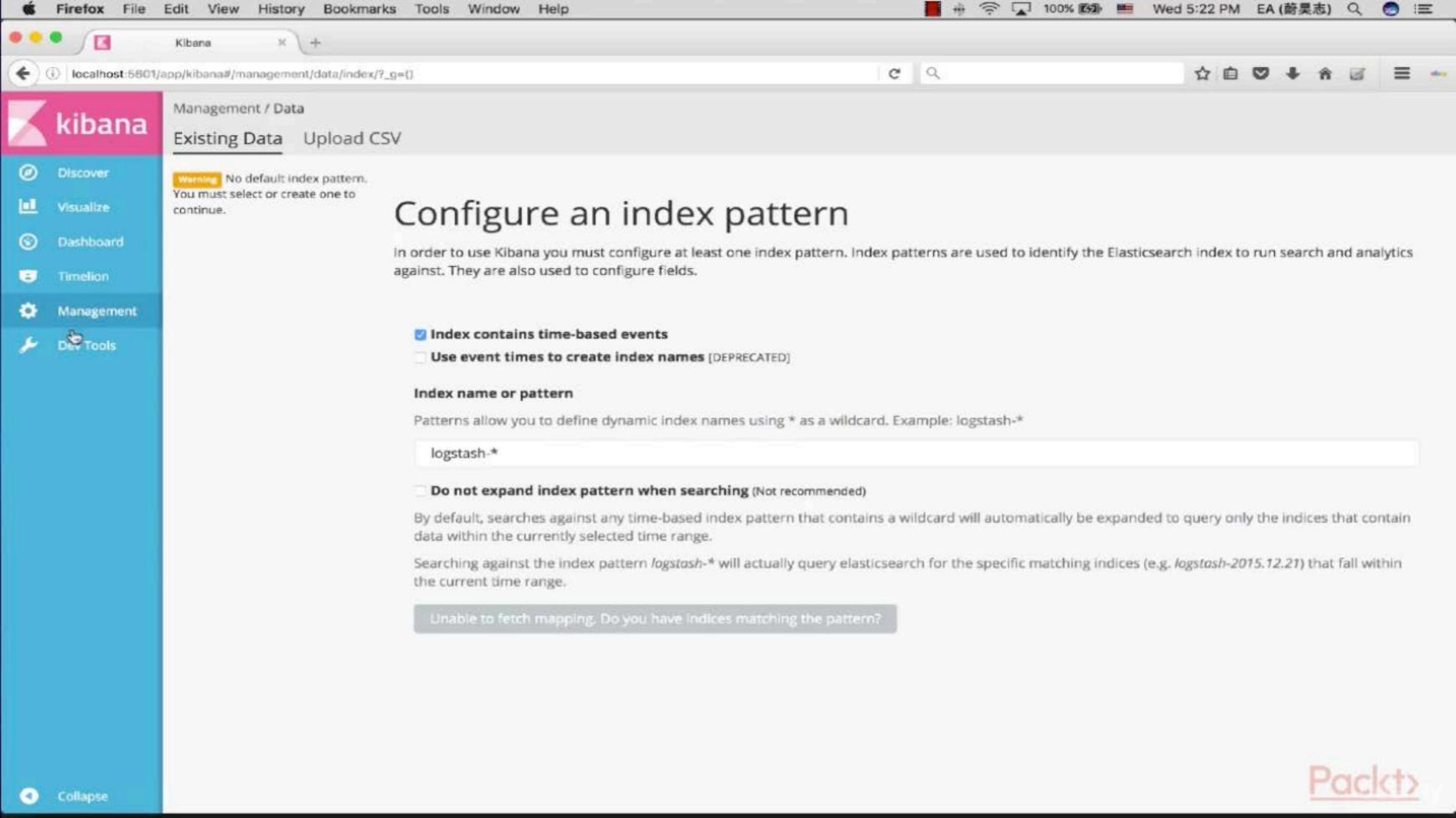
Lightning fast search

Open Source (free)

Easy to setup

Language agnostic





Near Real-Time





New Elastic Stack

X-Pack

Security

Monitoring

Alerting

Reporting

Graph

Kibana

ElasticSearch

Beats

Logstash

Data Visualization

Store, Index, Search, and Analyze data

Data Ingestion



The Road Map





Developer Friendly Nature

- Open Source
 - o Free and well documented
- Quick setup
- Easy to use
- Language agnostic



Shards, a Closer Look (5 Primary Shards)

Single Node cluster

Node1

[P0 P1 P2 P3 P4]

Multi-Node cluster

Node1

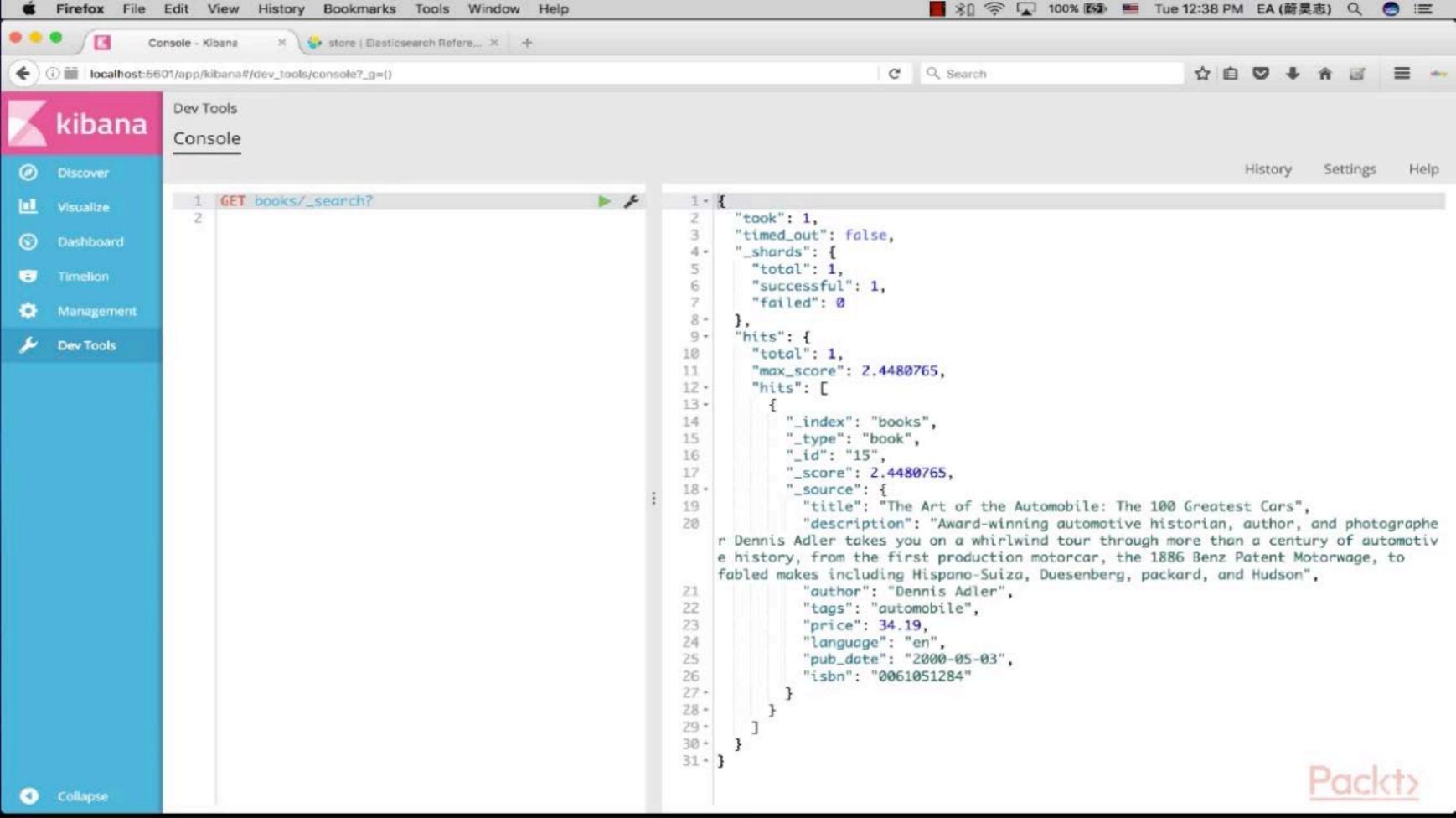
Node2

[PO P1 P3]

[P2 P4]

* P = Primary shard





ElasticSearch, an "In Addition to"

Transactions: Sequence of operations done as a single logical unit of work

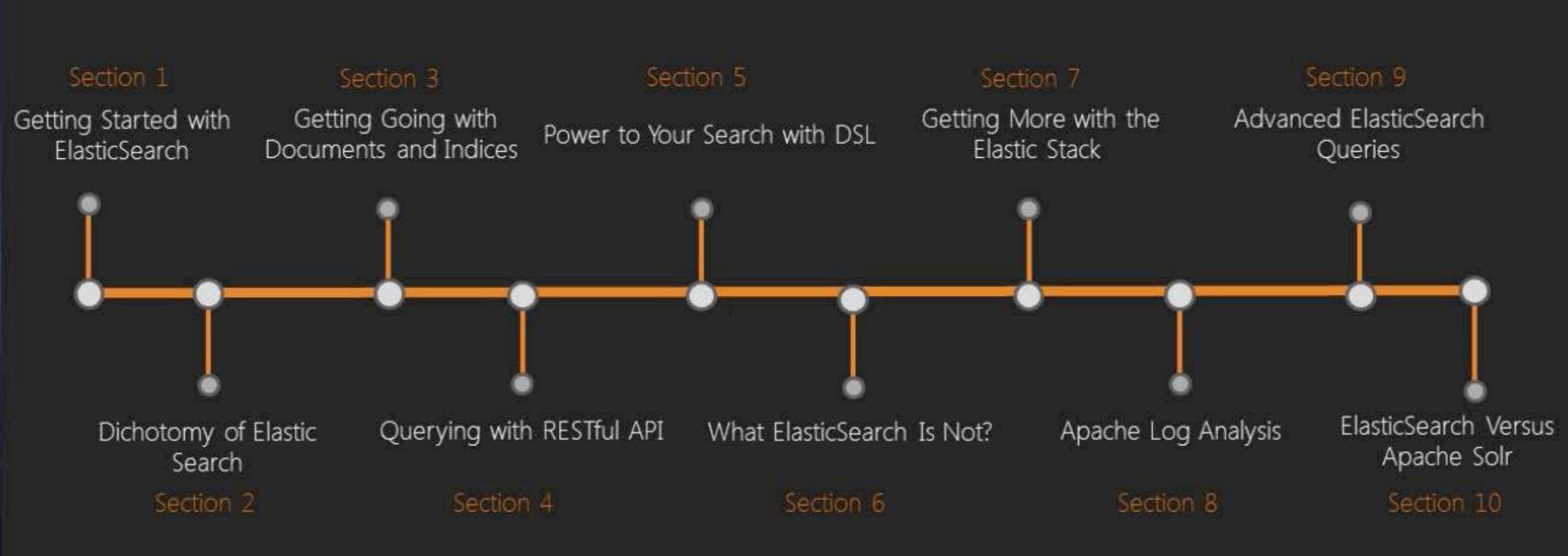


 Denormalization: Process of adding redundant data, for the purpose of improving read performance



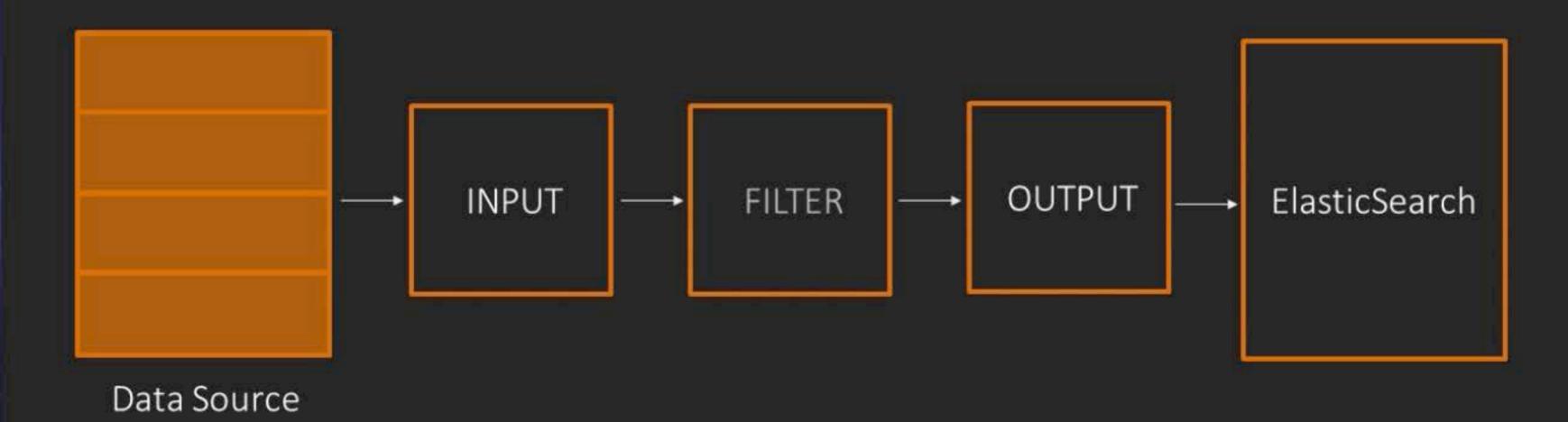


The Road Map

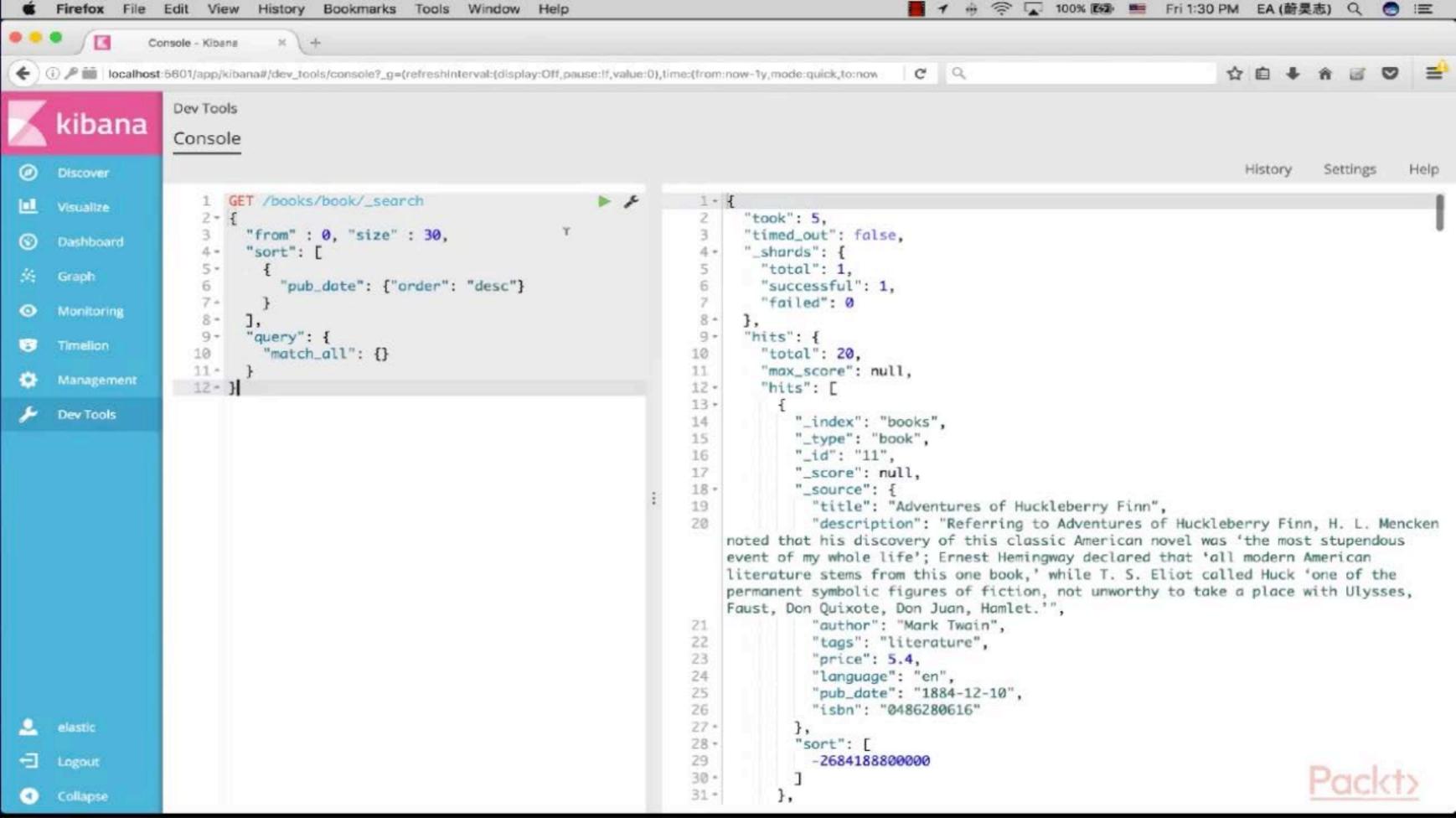




Logstash Pipeline in Action







What Is Apache Solr?

 An open source search platform based on Apache Lucene, designed to be distributed, fault tolerant, and scalable





The Goal of this Course Is

- Get the basics of ElasticSearch concepts, APIs and best use cases
- Create large-scale ElasticSearch clusters and build analytics using aggregation
- Implement ElasticSearch 5.0 in the cloud

