



CORE ELASTICSEARCH DEVELOPER



Overview

This training will guide you into an in-depth, instructor-led training course with case study discussions held by Elasticsearch developers.

Objectives

An interactive instructor-led course focused on learning Elasticsearch fundamentals so that one can effectively design and build applications that leverage it. The course starts with an introduction to Elasticsearch and its API, and then moves into detailed learning on search, aggregations, and many other topics. Best practices and examples for document design, testing, and other software development design considerations are also covered.

Audience

Developers and Architects who would like to build real-time search and analytics solutions.

Duration

2 Days Class is scheduled from 9 a.m. to 5 p.m.

Pre-requisites

Familiarity with programming concepts

Requirements

Laptop with at least 20% free disk and Java version 1.7u55 or newer



Modules

Why Elasticsearch

- Topology and Clusters
- CRUD
- Index, Update, Re-index, and Delete documents
- Bulk Operations
- Lab

Text Analysis

- Analyzers - Tokenizers and Filters
- Character Filters
- Testing Analyzers
- Built-In Analyzers
- Synonym Handling
- Lab

Mappings

- CRUD and relationship to documents/indices
- Data Types
- Dynamic Field Mappings
- Index Templates
- Lab

Queries and Filters

- Distributed Search Fundamentals
- Query DSL Deep Dive
- Query Advice and Best Practices
- Lab

Suggestions

- Terms, Phrase, Completion, and Context Suggestors
- Best Practices
- Lab

Aggregations

- Fundamentals
- Deep dive of each aggregation
- Lab

Document Modeling

- Nested Objects and Documents
- Impact of document structure on search

Advice and Best Practices

- Relevancy and Scoring
- Fundamentals
- Boost and Function Lab

Percolator and Notifications

Client Libraries and Testing

Case Studies