**Getting Started**

* + Overview of the Elastic Stack (ELK+)
  + Introduction to Elasticsearch

**Architecture of Elasticsearch**

Nodes & Clusters

* + Indices & Documents
  + Types
  + Sharding
  + Replication

### Installing Elasticsearch & Kibana

* + [Installing Elasticsearch on Windows](javascript:void(0))
  + Configuring Elasticsearch
  + [Installing Kibana on Windows](javascript:void(0)) - High level
  + Introduction to Kibana and dev tools - High level

### Importing Data into Your Index

* + Logstash Overview
  + Installing Logstash
  + Importing Apache Access Logs with Logstash - High level
  + Importing Data from MySQL using Logstash - High level
  + Integrating Spark and Hadoop with Elasticsearch. - High level

### Managing Documents

* + Creating an index
  + Adding documents
  + Retrieving documents by ID
  + Replacing documents
  + Updating documents
  + Scripted updates
  + Upserts
  + Deleting documents
  + Deleting indices
  + Importing test data with cURL
  + Exploring the cluster

### Mapping

* + Introduction to mapping
  + Dynamic mapping
  + Meta fields
  + Field data types
  + Adding mappings to existing indices
  + Changing existing mappings
  + Mapping parameters

### Understaning Inverted Index, Routing

### Analysis & Analyzers

* + Introduction to the analysis process
  + A closer look at analyzers
  + Using the Analyze API
  + Understanding the inverted index
  + Analyzers
  + Overview of character filters
  + Overview of tokenizers
  + Overview of token filters
  + Overview of built-in analyzers

### Introduction to Searching

* + Search methods
  + Searching with the request URI
  + Introducing the Query DSL
  + Understanding query results
  + Add: Understanding relevance scores
  + Add: Debugging unexpected search results
  + Add: Filters
  + Add: How to do suggested links
  + Query contexts
  + Full text queries vs term level queries

### Full Text Queries

* + Introduction to full text queries
  + Flexible matching with the match query
  + Matching phrases
  + Searching multiple fields

### Adding Boolean Logic to Queries

* + Introduction to compound queries
  + Querying with boolean logic
  + Debugging bool queries with named queries
  + How the “match” query works

### Controlling Query Results

* + Specifying the result format
  + Source filtering
  + Specifying the result size
  + Specifying an offset

### Aggregations

* + Introduction to aggregations
  + Metric aggregations
  + Introduction to bucket aggregations

### Best Practises

### Elastic Search Program using Java Client