DevOpsSchool

Course curriculum · November 2026

LEVEL 01 OF 04 · FOUNDATION

# Elasticsearch Foundation Training

Explain how search and the inverted index work, install a secure Elasticsearch node and create, read, update and bulk-load documents.

| | | |
|---|---|---|
| LIVE ONLINE<br>**Max 8-10 hours** | CORPORATE (DAY-WISE)<br>**1 day · Day 1** | SELF-PACED VIDEO<br>**1-year LMS access** |
| BATCH SIZE<br>**Max 10 learners** | NEXT BATCHES<br>**1st of every month · weekends: first Saturday** | CERTIFICATE<br>**Verifiable certificate of completion** |

| Foundation | Essential | Intermediate | Advanced |
|---|---|---|---|
| 1 day · This curriculum | 2 days · Next step | 3 days · Later | 5 days · Later |

## INSIDE THIS CURRICULUM


| | |
|---|---|
| What you will achieve | Outcomes and level focus |
| Who should attend | Audience and prerequisites |
| Agenda | 14 topics · Foundation |
| Hands-on labs | 1 lab |
| Formats and fees | Live, 1:1, self-paced, corporate |
| Trainer and reviews | Rajesh Kumar |
| Enrolment | Batches, payment, contacts |


## WHY DEVOPSSCHOOL

- Rated 4.6 on Google
- 1,500+ verifiable certificates issued in the public registry
- Trainer Rajesh Kumar: 20 years in industry
- Small batches: max 10 learners, every session recorded

**Course page:** www.devopsschool.com/courses/elasticsearch/elasticsearch-foundation-training.html
**Talk to us:** WhatsApp +91 99057 40781 · +1 (469) 756-6329 · contact@DevOpsSchool.com · reply within 1 hour

OUTCOMES

# What you will achieve

By the end of the Elasticsearch course path, you will be able to:

1

### Model and index data

Install Elasticsearch, design mappings and analyzers and load data reliably with CRUD, bulk and ingest pipelines.

2

### Search and analyse precisely

Answer real questions with Query DSL, ES|QL, relevance tuning and aggregations.

3

### Run clusters in production

Size, secure, tune, back up and upgrade Elasticsearch clusters with high availability.

WHAT THE FOUNDATION LEVEL ADDS

### Search concepts, installation and CRUD APIs

**Hands-on:** Run a node and load products. Install a secured single-node Elasticsearch, check cluster health, then create a products index and bulk-load, read, update and delete documents with cURL.

WHO SHOULD ATTEND

- Beginners and working professionals who are new to Elasticsearch and want a solid, hands-on start.
- Engineers, analysts, testers and students preparing to use Elasticsearch on real work.
- Leads and managers who want first-hand familiarity with Elasticsearch.

BEFORE YOU START

- No prior Elasticsearch experience is needed.
- Basic computer skills and a laptop with a stable internet connection for the live sessions and labs.
- This curriculum includes every earlier level, so it is complete on its own.

AGENDA · FOUNDATION

# Elasticsearch Foundation Training agenda

14 topics. Each level builds on the one before it, so this curriculum lists every earlier level in full. Days are for corporate (day-wise) delivery; live online batches cover the same agenda in max 8-10 hours.

## DAY 1 — Foundation: Search concepts, installation and CRUD APIs

**New at this level**

1. Course overview and prerequisites: JSON, REST, HTTP status codes and Linux shell basics
2. A brief history of search: from SQL LIKE scans to Lucene, Solr and Elasticsearch
3. How does search work: text analysis, tokens, the inverted index and term lookup
4. Lucene, an open source search library: segments, immutability, merges and near real-time refresh
5. Introducing Elasticsearch: distributed REST search and analytics engine and its place in the Elastic Stack 8.x and 9.x
6. Installing and setting up Elasticsearch: archive, deb and rpm packages, Docker, security auto-configuration and enrollment tokens
7. Basic concepts in Elasticsearch: cluster, node, index, document, mapping, shard and replica
8. Monitoring the health of the cluster: _cluster/health, _cat/nodes, _cat/indices, green, yellow and red status
9. Introducing the cURL command line utility: HTTPS calls with credentials and CA certificate, Kibana Dev Tools console
10. Creating indices: PUT index with shard and replica settings, listing and inspecting indices
11. Adding documents to an index: index with and without IDs, _doc versus _create, versioning
12. Retrieving whole and partial documents: GET by ID, _source includes and excludes, _mget
13. Updating and deleting: whole and partial updates with _update and scripts, deleting documents and indices
14. Bulk operations on documents: _bulk NDJSON format, bulk indexing of documents from a JSON file

PRACTICE

# Hands-on labs

You build these yourself during the course, guided by the trainer.

FOUNDATION

**Run a node and load products**

Install a secured single-node Elasticsearch, check cluster health, then create a products index and bulk-load, read, update and delete documents with cURL.

HOW YOU CAN LEARN

## Formats and fees

The same agenda in four formats. Fees are in Indian rupees as of November 2026; the course page shows them in your currency.

| FORMAT | DURATION | WHAT YOU GET | FEE |
|---|---|---|---|
| **Live & interactive (online)** | Max 8-10 hours | Instructor-led public batch of max 10 learners with demos, labs, Q&A and assignment review. Weekday batches start on the 1st of every month, weekend batches on the first Saturday of every month. | **INR 34,999** |
| **1:1 live training (online)** | Max 8-10 hours, one-to-one | The same agenda, taught one-to-one by the trainer. Starts immediately, without waiting for the next batch; sessions planned around your working hours, at your pace. | **INR 99,999** |
| **Self-paced video** | 1-year LMS access | All four Elasticsearch levels, plus 20+ more courses and 50+ tools, at your own pace. | **INR 833/month** billed yearly at INR 9,996 |
| **Corporate (day-wise)** | 1 day for this level | A private batch for your team, on demand. Foundation 1 day, Essential 2, Intermediate 3, Advanced 5 (cumulative). | **Quote on request** |

ASSESSMENT AND CERTIFICATE

Your progress is checked through hands-on labs and assignments at every level. On completion you receive a DevOpsSchool certificate of completion with a unique credential ID that anyone can verify at devopsschool.com/certificates.

INCLUDED WITH EVERY LIVE BATCH

- Every live session is recorded and stays in your LMS for a year.
- Can't attend your batch? Move to next month's batch.
- Free demo class before you pay.
- Free 10-15 minute call with an advisor or the trainer to check the course fits you.

YOUR TRAINER

## Learn from Rajesh Kumar

Principal Architect, trainer and mentor in DevOps, SRE, DevSecOps and platform engineering, with 20 years across 8+ software MNCs, including Staff DevOps/SRE Engineer for a leading Japanese mobile-payment platform and Principal DevOps Architect and Manager in Europe.

Profile: www.rajeshkumar.xyz · Videos: youtube.com/@TheDevOpsSchool

| | |
|---|---|
| **20** years in industry | **200+** corporate trainings |
| **10,000+** engineers mentored | **70+** organisations coached |

REVIEWS

## What learners say

Rated 4.6 on Google · more reviews at devopsschool.com/testimonials and in our video testimonials.

> “Rajesh is very good trainer. Rajesh was able to resolve our queries and question effectively. We really liked the hands-on examples covered during this training program.”
>
> Indrayani, India

> “The training was very useful and interactive. Rajesh helped develop the confidence of all.”
>
> Abhinav Gupta, Pune

START YOUR ELASTICSEARCH TRAINING

## Join the next batch

Weekday batches start on the 1st of every month and weekend batches on the first Saturday of every month, with max 10 learners each. 1:1 training can start immediately; corporate batches run on demand. We reply within 1 hour.

Pay by UPI, credit and debit cards, net banking or PayPal. Before you pay, read our refund policy. All levels of this course: www.devopsschool.com/courses/elasticsearch/

ENROL OR RESERVE A SEAT
**Elasticsearch Foundation Training**

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**Next step after this level: Elasticsearch Essential Training** - Write full-text, term and Boolean queries with the Query DSL, tune relevance and answer analytical questions with aggregations.