**Elasticsearch**

**Day 8: Introduction to Elasticsearch**

* Overview of Elasticsearch architecture
* Understanding documents, indices, and clusters
* Installing and setting up Elasticsearch

**Day 9: Indexing and Mapping**

* Creating and managing indices
* Understanding mappings and field types
* Dynamic vs. explicit mappings

**Day 10: Advanced Search Queries**

* Query DSL (Domain Specific Language)
* Full-text search capabilities
* Filtering, sorting, and pagination

**Day 11: Aggregations and Analytics**

* Understanding aggregations in Elasticsearch
* Metric, bucket, and pipeline aggregations
* Using aggregations for data analysis

**Day 12: Data Ingestion**

* Using Logstash and Beats for data ingestion
* Ingest pipelines
* Data transformation and enrichment

**Day 13: Monitoring and Maintenance**

* Monitoring Elasticsearch clusters
* Managing cluster health and performance
* Troubleshooting common issues

**Day 14: Security and Best Practices**

* Securing Elasticsearch clusters
* Setting up role-based access control (RBAC)
* Best practices for deployment and scaling

**Additional Resources**

* Hands-on labs and exercises for practical experience
* Recommended readings and documentation
* Access to online forums and community support