



LOGGING FUNDAMENTALS



LOGGING COURSE OUTLINE

Overview

Logs and metrics are critical for building a holistic understanding of modern systems and gaining insight into the organizational data they hold. This course walks you through the fundamental skills for building high-capacity logging systems. You will learn about common logging problems and their solutions. You'll also get an introduction to shipping data to Elasticsearch with Beats and ingest node before taking a look at Elastic Cloud. After completing this course, you will have a firm understanding of how beneficial log data is, not just for system admins and DevOps, but for your company as a whole.

Audience

Software Developers and Engineers, Data Architects, System Administrators, DevOps

Duration

2-3 hours

Language

English

Prerequisites

- We recommend you have taken [Elasticsearch Engineer I](#) and [Elasticsearch Engineer II](#) or possess equivalent knowledge. Engineer I and Engineer II teach the concepts that are the foundation upon which all specializations are built.

Requirements

- Stable internet connection
- Mac, Linux, or Windows
- Latest version of Chrome or Firefox (Safari is not 100% supported)
- Due to virtual classroom JavaScript requirements, we recommend that you disable any ad-blockers and restart your browser before class.



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Modules

What are Logs?

- Explore some of the common questions we ask of our data and see how logs can help answer those questions. Learn about event data, timestamps, and the log lifecycles.

- **Hands-On Lab**

Getting Started with Filebeat and Logs

- Learn how to set up Filebeat for log monitoring. Explore the Filebeat Nginx module and see how easy it is to send data to Elasticsearch.

- **Hands-On Lab**

Kibana Visualizations

- Use Kibana dashboards to visualize the collected logging data to get a better view of your system.

- **Hands-On Lab**

Learn More

- Review what you learned in the previous lessons and then explore the next steps you should take to mastering logs.