**INTRODUCTION TO OBSERVABILITY: LOGGING**

Building an observable system is often viewed as a challenge — one that usually starts with a logging problem. In this course, you will discover that solving this problem is easy with the Elastic Stack. You will start by exploring the fundamentals of log monitoring. Then you will learn to ship log data to Elasticsearch Service on Elastic Cloud using Filebeat. Next you will analyze and visualize your logs in Kibana to gain insights into your observability data. After completing this course, you will be able to implement the Elastic Stack for log monitoring as you build a fully observable system.

**LESSONS**

*All lessons include a hands-on lab.*

**Logging fundamentals**

Explore 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 nodes before taking a look at the Elasticsearch Service on Elastic Cloud.

**Shipping log data**

Learn how to set up and ship data with Filebeat, a lightweight data shipper that can tail multiple files at once and ship the data to your Elasticsearch cluster. In addition to shipping file data like logs, Filebeat can also tag data, parse multi-line log entries, and use conditionals to make decisions about what to do with each line.

**Kibana for time series data**

Learn how to leverage Kibana as an observability logging visualization platform. You will write simple, yet powerful queries to search through your observability data, and combine them with dazzling visualizations. After completing this module, you will be able to use Kibana to make insights stand out in your observability data.

**COURSE INFORMATION**

- **Audience**
  - Data Analysts
  - Software Developers
  - Software Engineers
  - Data Architects
  - System Administrators
  - DevOps
  - Observability Engineers

- **Duration**
  - 7 hours

- **Language**
  - English

- **Prerequisites**
  - No prior knowledge of the Elastic Stack required

- **Requirements**
  - Stable internet connection
  - Mac, Linux, or Windows
  - Latest version of Chrome or Firefox (other browsers not supported)
  - Disable any ad blockers and restart your browser before class