OBSERVABILITY FUNDAMENTALS

Observability is an attribute of a system you build, much like usability, high availability, and stability. The goal of designing and building an observable system is to make sure that when it is running, operators responsible for it can detect undesirable behaviors and have actionable information to pin down the root cause in an effective manner. This course walks you through the fundamental skills for achieving observable systems with Elastic Observability. You will learn how detailed event logs show you whether your systems are running as smoothly as possible. You will also understand how granular resource usage information gives you important insights on how your infrastructure is running. And you will discover how application traces give detailed information about performance and errors inside your applications and services. After completing this course, you will know how to unify your logs, metrics, and APM data in the Elasticsearch Service on Elastic Cloud with the ability to automatically correlate this data in an intuitive user interface.

LESSONS

All lessons include a hands-on lab.

Elastic Observability
Learn about the main pillars of observability (logs, metrics, and APM) and why it is important to collect these types of data. Understand how machine learning and uptime data make your systems more observable. Explore how to deploy Elastic Observability on Elastic Cloud with Fleet and Elastic Agent.

Metrics
Dive into what metrics are, how they are different from logs, and why they need to be measured. Discover how the Elastic Agent can be used to collect metrics from your system.

Logs
Explore 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. Discover how the Elastic Agent can be used to collect logs from your system.

APM
Discover how Elastic APM can help monitor your applications and services in real time as well as which Elastic Stack components make that happen. Discover how Elastic APM supports distributed tracing and how it enables you to analyze performance throughout your microservice architecture all in one view.

COURSE INFORMATION

Audience
Software Developers
Software Engineers
Data Architects
System Administrators
DevOps

Duration
2-3 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

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