

# MONITORING KUBERNETES AND DOCKER CONTAINER LOGS

Applications are run within containers to make rolling updates easy, boost resiliency, and more. But with container orchestration, logs becomes a moving target as containers are created and destroyed. Container deployments are dynamic, and the Elastic Stack can handle that. In this course, you'll learn how to use Filebeat and Elasticsearch to monitor logs from Docker containers and Kubernetes. You'll also learn how to configure Filebeat to autodiscover and auto-deploy with your environment. After completing this course, you'll be able to take control of logging in your ever-changing Docker and Kubernetes environment.

## LESSONS

*All lessons include a hands-on lab.*

### Containers Overview

Learn the importance of collecting logs from containers and how the Elastic Stack can help.

### Logs from Standard Output

Learn how to configure Filebeat to collect all logs and how to add metadata to logs collected from Docker and Kubernetes.

### Filebeat Autodiscovery

Learn how to configure Filebeat to autodiscover new deployments based on Kubernetes hints or Docker labels, including the use of conditional logic.

### Logs from Inside a Container

Learn how to monitor the log files of applications that can only write to volumes (not in the standard output).

## COURSE INFORMATION



### Audience

Software Developers  
Software Engineers  
Data Architects  
System Administrators  
DevOps



### Duration

Virtual - 1 Day | 2-3 hours



### Language

English



### Prerequisites

We recommend taking the following foundational courses (or having equivalent knowledge):

- [Elasticsearch Engineer I](#)
- [Elasticsearch Engineer II](#)
- [Logging Fundamentals](#)



### 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