

# Getting Started with Open Telemetry (LFS148)

**Course Duration : 24 Hours**

**Course code : LFS148**

## 1. Course Overview

The **Getting Started with Open Telemetry (LFS148)** course introduces learners to Open Telemetry, an open-source observability framework used to collect traces, metrics, and logs. This course helps you understand how to monitor and observe modern cloud-native applications effectively.

## 2. What you'll learn?

- Fundamentals of observability
- Open Telemetry architecture and components
- Collecting traces, metrics, and logs
- Instrumenting applications
- Integrating Open Telemetry with monitoring tools

## 3. Target Audience

- DevOps engineers
- Site Reliability Engineers (SREs)
- Cloud engineers
- Application developers
- IT operations professionals

## 4. Pre-Requisites

- Basic understanding of cloud and DevOps concepts
- Knowledge of application development basics
- Familiarity with containers and microservices is helpful

## 5. Course Content (Modules)

### **Module 1: Introduction to Observability**

- Observability concepts

### **Module 2: OpenTelemetry Overview**

- OpenTelemetry components
- Data types: traces, metrics, and logs

### **Module 3: Application Instrumentation**

- Automatic and manual instrumentation
- Instrumenting applications with OpenTelemetry

### **Module 4: Data Collection and Export**

- OpenTelemetry Collector
- Exporting data to monitoring platforms

### **Module 5: Use Cases and Best Practices**

- Real-world observability use cases
- OpenTelemetry best practices