



# Advanced Monitoring of Microservices Applications Using Splunk APM

This 1-day virtual course targeted to developers and DevOps enables you to use to instrument your applications to send traces to Splunk APM. Through in-person discussions and hands-on activities, learn to deploy Splunk APM and use auto-instrumentation to send in traces without altering your code. Use manual instrumentation to create spans and add metadata to spans. You will also see how to configure and deploy the OpenTelemetry Collector.

This lab-oriented class is designed to help you learn the fundamentals of instrumenting your code to send in traces. All hands-on labs are in Python and Java .

## Course Topics

- Deploy the Smart Agent
- Use Auto-Instrumentation to Send Traces
- Manually Instrument Applications to Send Traces
- Deploy and Configure the OpenTelemetry Collector

## Course Prerequisites

Required:

- Monitoring Microservices-based Applications Using Splunk APM
- Familiarity with using the command line terminal

Strongly recommended:

- Basic knowledge of programming languages (e.g. Python, Java)

## Class Format

Instructor-led lecture with labs.

Delivered via virtual classroom or at your site.

## Course Modules

### Module 1 – Deploy Splunk APM

- Deploy the Smart Agent
- Configure the Smart Agent to forward traces

### Module 2 – Auto-Instrument Applications To Send Traces

- Describe Instrumentation options
- Use auto-instrumentation to send in traces

### Module 3 – Manually Instrument Application to Send Traces

- Manually create spans
- Add span tags

### Module 4 – Configure the OpenTelemetry Collector

- Configure and deploy the OpenTelemetry Collector

## About Splunk Education

Splunk classes are designed for specific roles such as Splunk Administrator, Developer, User, Knowledge Manager, or Architect.

## Certification Tracks

Our certification tracks provide comprehensive education for Splunk customer and partner personnel according to their areas of responsibility.

To view all of Splunk Education's course offerings, or to register for a course, go to <http://www.splunk.com/goto/education>

To contact us, email [education\\_AMER@splunk.com](mailto:education_AMER@splunk.com)

## About Splunk

Splunk is software that indexes, manages and enables you to search data from any application, server or network device in real time.

Visit our website at [www.splunk.com](http://www.splunk.com) to download your own free copy.

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