## Description

This half day, course provides an in-depth, hands-on introduction to architecting and managing serverless monitoring for different types of applications migrated to AWS, based on AWS services (AWS Lambda, Amazon S3, Amazon SNS, Amazon SQS, AWS CloudTrail, AWS Config, Amazon CloudWatch, Amazon CloudWatch Logs, etc.) You can then compete to build an innovative serverless monitoring system on example applications and architect it appropriately according to the best practices of monitoring on AWS.

## Intended Audience

This course is intended for:

- Individuals responsible for designing customer monitoring frameworks based on AWS services
- Individuals interested in learning how to build a serverless monitoring system using AWS
- SysOps administrators, solutions architects, and developers interested in AWS services on monitoring

## Course Objectives

In this course, you will learn how to:

- Understand the basic concepts and the best practices of monitoring on AWS
- Use different patterns of multi-layered monitoring framework architectures for different types of applications
- Design and architect a proper monitoring framework for application migrated to AWS
- Use AWS services for monitoring (CloudTrail, AWS Config, CloudWatch, CloudWatch Logs, etc.)
- Build a serverless AWS monitoring framework for migrated applications

## Prerequisites

We recommend that attendees of this course have the following prerequisites:

- Intermediate knowledge of Python, Node.js, Java, or C#
- Basic understanding of AWS API
- AWS associate-level knowledge

## Delivery Method

This course is delivered through a mix of:

- Classroom training
- Hands-on labs
- Capture-the-flag contest

**Note:** A laptop is required in order to complete technical lab exercises; tablets are not appropriate.

## Hands-On Activity

This course allows you to test new skills and apply knowledge to your working environment through a variety of practical exercises.

## Duration

Half Day

**Course Outline**

This course covers the following concepts:

- Basic concepts and best practices of monitoring on AWS
- Design a serverless monitoring framework for applications migrated to AWS
- Dive deep on monitoring-focused AWS services (CloudTrail, AWS Config, CloudWatch, CloudWatch Logs, etc.)
- Build a serverless monitoring framework based on those AWS services for example applications