

## Description

*Creating Applications for the Internet of Things (IoT) on AWS* is designed to teach solutions architects and developers how to take advantage of the rich set of purpose-built AWS services to manage the various challenges of IoT. This bootcamp covers identity and authorization, telemetry data, and event-driven and serverless architectures in the IoT space. Students learn how to create an integrated smart application end-to-end that presents a solution to a real-world problem and makes use of AWS technologies and IoT hardware devices. This bootcamp provides an overview of several AWS services, with a focus on Amazon IoT, AWS Lambda, and Amazon Cognito, and explains how you can leverage these feature-rich services in your own IoT applications.

## Course Objectives

This course teaches you how to:

- Create a highly scalable and reliable application using AWS.
- Use the AWS JavaScript SDK for cross-platform and cross-device application development.
- Integrate IoT and web platforms to create a cohesive “connected” application.

## Intended Audience

This course is intended for:

- Solutions architects
- Developers

## Prerequisites

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

- Fundamental knowledge of core AWS services and features
- Intermediate, hands-on experience coding in JavaScript for the browser and NodeJS, or some intermediate experience using a high-level programming language
- Basic understanding of concepts related to IoT

## Delivery Method

This course is delivered through a mix of:

- Instructor-Led Training (ILT)
- Hands-On Labs

## Duration

One day

## Course Outline

This course covers the following concepts:

- Web and IoT applications on AWS
- Focus on Amazon IoT, Amazon Cognito, AWS Lambda
- Creating a connected application using AWS services and IoT devices