

Description

Taking AWS Operations to the Next Level is a one-day bootcamp designed to teach Solutions Architects, SysOps Administrators, and other technical end users how to leverage AWS CloudFormation, Chef, and AWS SDKs to automate provisioning and configuration of AWS infrastructure resources and applications. In this bootcamp we also cover how to use Amazon Simple Workflow Service (SWF) to create, build, and deploy an end-to-end automation system to enable hands-off failure recovery of key systems.

Course Objectives

This course is designed to teach you how to:

- Use AWS CloudFormation to create, provision, manage, and update your infrastructure on AWS
- Use host-based application configuration management tools and methodology to manage the systems and applications inside your infrastructure
- Use Amazon SWF, service APIs, and other tools to automate routine tasks in an infrastructure

Intended Audience

This course is intended for:

- SysOps Administrators and Solutions Architects who are experienced with the AWS platform

Prerequisites

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

- Fundamental knowledge of core AWS services and features
- Understanding of networking components such as NATs, CIDR blocks, subnets, Internet gateways, and leap/bastion servers
- Basic familiarity with system automation concepts

Delivery Method

This course will be delivered through a mix of:

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

Duration

One day

Course Outline

This course will cover the following concepts:

- Systems Operations
- Treating Your Infrastructure as Code with AWS CloudFormation
- Using JSON in AWS CloudFormation
- Versioning
- Configuration Management
- Chef
- AWS OpsWorks
- Auto-Scaling
- Instance Healing
- Amazon Simple Queue Service (SQS)
- Amazon Simple Workflow Service (SWF)