

## Description

*Taking AWS Operations to the Next Level* is 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. This bootcamp also covers how to use AWS Service Catalog to create, manage, and distribute portfolios of approved products to end users, who can then access the products they need in a personalized portal.

## Course Objectives

This course teaches 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 Service Catalog, service APIs, and other tools to automate routine tasks in an infrastructure.

## Intended Audience

This course is intended for:

- Solutions architects
- SysOps administrators

## 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 is delivered through a mix of:

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

## Duration

One day

## Course Outline

This course covers 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
- AWS Service Catalog