Course: Developing on AWS

Course Outline

Note: course outline may vary slightly based on the regional location and/or language in which the class is delivered.

Prerequisite
Eligible candidates for this exam have:

1. One or more years of hands-on experience designing and maintaining an AWS-based application
2. In-depth knowledge of at least one high-level programming language
3. Understanding of core AWS services, uses, and basic architecture best practices
4. Proficiency in designing, developing, and deploying cloud-based solutions using AWS
5. Experience with developing and maintaining applications written for Amazon Simple Storage Service, Amazon DynamoDB, Amazon Simple Queue Service, Amazon Simple Notification 6.Service, Amazon Simple Workflow Service, AWS Elastic Beanstalk, and AWS CloudFormation.

Day 1: Building the Foundation

Introduction to Developing on AWS

Choosing a Data Store

Developing Storage Solutions with Amazon S3

Developing Flexible NoSQL Solutions with Amazon DynamoDB

Day 2: Connecting Applications and Data with Event-Driven Processing

Working with Events

Developing Event-Driven Solutions with Amazon Kinesis Stream

Developing Event-Driven Solutions with Amazon SWF, Amazon SQS, and Amazon SNS

Developing Event-Driven Solutions with AWS Lambda

Day 3: Developing and Deploying Secure, Scalable Applications

Developing Secure Applications

Caching Information for Scalability

Monitoring Your Application and AWS Resources with Amazon CloudWatch

Deploying Applications with AWS Elastic Beanstalk and AWS CloudFormation