

Day - 1

- **AWS Fundamentals and EC2**

- Introduction to the Certified Developer - Associate course.
- Information for students who have completed the Solutions Architect Course
- Setting the right expectations, this is not a course to teach you how to code.
- How To Get Development Experience With AWS
- What You'll Need To Do This Course

- **Identity Access Management (IAM)**

- IAM 101
- IAM - Lab
- Active Directory Federation
- Web Identity Federation
- IAM - Summary
- Identity Access Management Quiz

- **EC2 & Getting Setup**

- EC2 101 - Part 1
- EC2 101 - Part 2
- Launch Our First EC2 Instance - Part 1
- Launch Our First EC2 Instance - Part 2
- How to use Putty (Windows Users Only)
- Security Groups
- Volumes vs Snapshots
- EFS - Lab
- The AWS CLI - Using Credentials
- The AWS CLI - Using Roles
- CLI Commands For The Developer Exam
- Bash Scripting
- Lambda
- Installing PHP & Composer
- Using the PHP SDK to access S3
- EC2 Instance Meta-data
- Elastic Load Balancers - Exam Tips
- SDK's - Exam Tips
- Summary of EC2 Section
- EC2 Quiz

- **S3**

- S3 Essentials
- Creating An S3 Bucket Using The Console
- Create An S3 Website
- CORS Configuration
- S3 Version Control
- Cross Region Replication
- S3 Lifecycle Management & Glacier
- Cloud Front Overview
- Create a CDN
- S3 - Security & Encryption
- Storage Gateway
- Snowball
- S3 Transfer Acceleration
- S3 Summary
- S3 Quiz

- **Databases Overview & Concepts**

- Database Essentials

- **DynamoDB**

- Introduction to DynamoDB
- Creating a DynamoDB Table
- DynamoDB Indexes
- Scan vs Query API Calls
- DynamoDB & Provisioned Throughput
- Using Web Identity Providers To Connect To Authenticate To DynamoDB
- Other important aspects of DynamoDB
- DynamoDB Summary
- DynamoDB Quiz & Lab

- **Simple Queue Service (SQS)**

- What is SQS?
- SQS Developer Exam Tips
- SQS Quiz & Lab

- **Simple Notification Services (SNS)**

- Introduction to SNS
- Creating an SNS Topic
- SNS Summary
- SNS Quiz & Lab

- **Simple Workflow Service (SWF)**

- Introduction to SWF
- SWF Quiz & Lab

- **CloudFormation**

- Using Cloud Formation
- Cloud Formation Quiz & Lab
- Elastic Beanstalk
- Using Elastic Beanstalk
- Elastic Beanstalk Quiz & Lab

Day - 3

- **Virtual Private Cloud (VPC)**

- VPC Overview
- Building our own custom VPC
- Build A Custom VPC - Part 2
- Network Address Translation (NAT)
- Access Control Lists (ACLs)
- Custom VPC's and ELBs
- NAT's vs Bastions
- VPC Flow Logs
- VPC Clean Up
- VPC Summary
- VPC Quiz & Lab

- **Elastic Beanstalk**

- DNS 101
- Route53 - Register Your Domain Lab
- Setup Our EC2 Instances
- Simple Routing Policy Lab
- Weighted Routing Policy Lab
- Latency Routing Policy Lab
- Failover Routing Policy Lab
- Geolocation Routing Policy
- DNS Summary

- **AWS Shared Responsibility**

- Shared Responsibility Model
- Shared Responsibility Quiz