

## **Curriculum:**

### **AWS - 10,000 Feet Overview**

- The history so far.

### **Identity Access Management (IAM)**

- Create A Billing Alarm - Lab
- IAM Summary

### **AWS Object Storage and CDN - S, Glacier and CloudFront**

- Create an S Bucket
- S Version Control
- Cross Region Replication
- Lab: S Life Cycle Management & Glacier
- CloudFront CDN Overview
- Create a CloudFront CDN
- S Security and Encryption
- Storage Gateway
- Snowball
- Snowball Lab
- S Transfer Acceleration
- Create A Static Website Using

### **EC - The Backbone of AWS**

- Let's Get Our Hands Dirty! Launch an EC Instance - Part
- Let's get our hands dirty! Launch an EC instance Part
- How to use Putty (Windows Users Only)
- Security Groups Basics
- Upgrading EBS Volume Types - Lab - Part
- Upgrading EBS Volume Types - Lab - Part
- Creating a Windows EC Instance and RAID Group
- Encrypt Root Device Volume and Create an AMI - Lab
- AMIs - EBS Root Device Volumes vs Instance Store
- Load Balancers and Health Checks
- Cloud Watch EC\
- The AWS Command Line and EC
- Using IAM Roles with EC
- S CLI & Regions
- Using Bootstrap Scripts
- EC Instance Metadata
- Autoscaling Groups Lab
- EC Placement Groups
- Elastic File System Lab

- Lambda - ConceptsBuild A Serverless Webpage
- Using Polly To Help You Pass Your Exam - A Serverless Approach - Part
- Using Polly To Help You Pass Your Exam - A Serverless Approach - Part
- Build An Alexa Skill
- EC Summary

## **Route**

- DNS
- Route Register A Domain Name Lab
- Setup Our EC Instances Lab
- Simple Routing Policy Lab
- Weighted Routing Policy Lab
- Latency Routing Policy Lab
- Failover Routing Policy Lab
- Geolocation Routing Policy Lab
- DNS Exam Tips

## **Databases on AWS**

- Databases Create our first RDS Instance
- RDS - Back Ups, Multi-AZ & Read Replicas
- DynamoDB
- RedShift
- ElastiCache
- Aurora
- Databases Summary

## **VPC**

- Introduction and Overview
- Build Your Own Custom VPC
- Build A Custom VPC - Part
- Network Address Translation (NAT)
- Access Control Lists (ACLs)
- Custom VPCs and ELBs
- NATs vs Bastions
- VPC Flow Logs
- VPC Clean Up
- Summary

## **Application Services**

- SQS
- SWF
- SNS
- Elastic Transcoder

- API Gateway
- Kinesis
- Kinesis Lab
- Application Services Summary

### **The Real World - Creating a fault tolerant Word Press Site**

- Getting Setup
- Setting Up EC2 Adding Resilience And CloudFront
- Setting Up Our AMIs
- AutoScaling & Load Testing
- CloudFormation!
- Want To Be A Real Solutions Architect? You Need To Know CloudFormation!

### **Preparing for the Exam - White Paper Reviews**

- Overview of Amazon Web Services
- Overview of Security Processes - Part
- Overview of Security Processes - Part
- AWS Risk and Compliance
- Storage Options in the Cloud
- Architecting for the AWS Cloud: Best Practices
- Exam Practicalities

### **Well Architected Framework**

- Intro
- Security
- Reliability
- Performance Efficiency
- Cost Optimization
- Operational Excellence
- Summary

### **Additional Exam Tips**

- Exam Tips Based On Student Feedback
- Consolidated Billing
- AWS Organizations Lab
- Cross Account Access
- Resource Groups & Tagging
- VPC Peering
- Direct Connect
- Security Token Service
- Active Directory Integration
- Workspaces
- ECS - Part - What is Docker

- ECS - Part - What is ECS?