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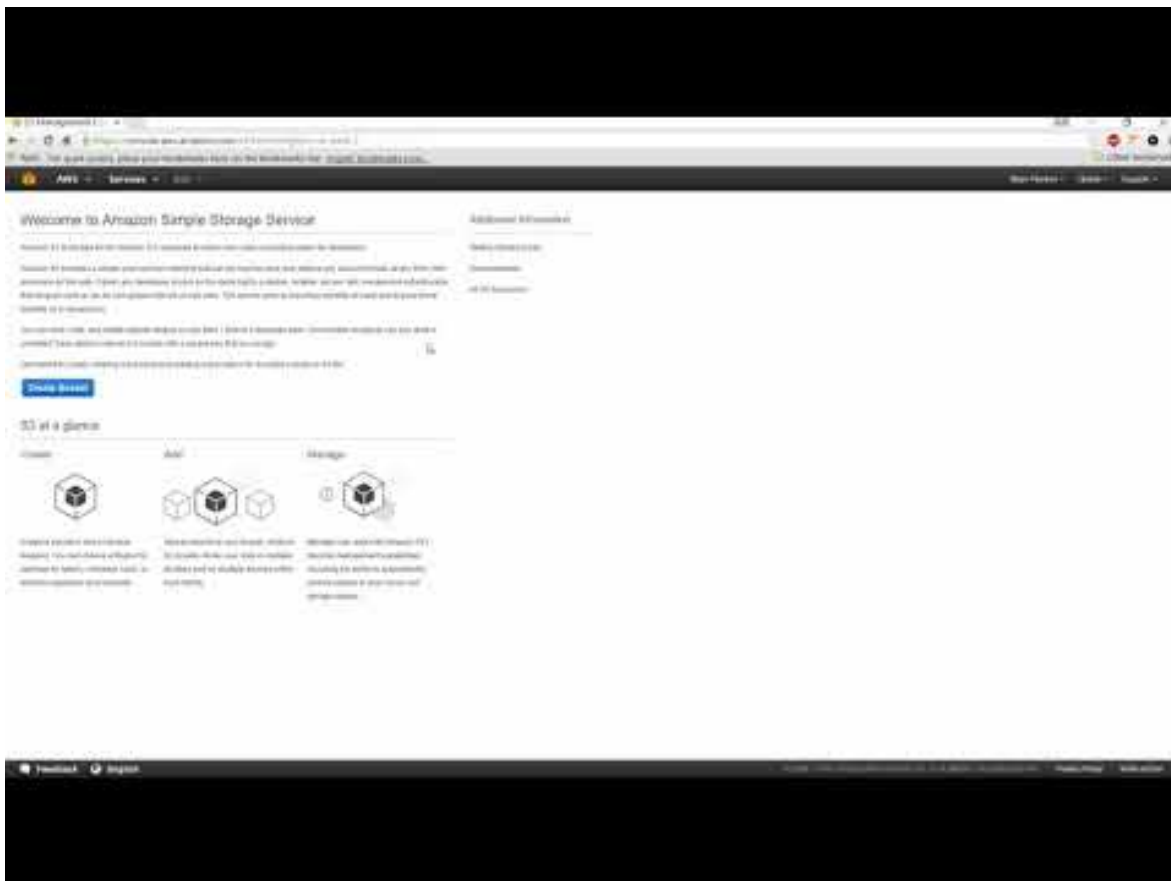
Learning Style: On Demand

Technology: Amazon Web Services

Difficulty: Intermediate

Course Duration: 3 Hours

AWS For Absolute Beginners: Learn AWS From Ground Up

About this Course:

This intermediate-level 3 hours training program is designed for professionals striving to achieve proficiency in working with AWS Solutions. This course is specifically designed for professionals who want to learn the fundamentals of AWS

Solutions and succeed in the AWS Solutions Architect Associate Training and Certification Exams. Cloud Computing Enthusiasts and Cloud Architect can also greatly benefit from the teachings of this course.

Cloud computing continues to revolutionize the concepts of data accessibility and storage. The ever-increasing popularity of cloud data storage has made it the norm for creating scalable, highly available, and manageable web applications. This course introduces professionals to the key concepts of the AWS Systems including On-Premises to Cloud Application Shifting, AWS Architecture, Cost Control Mechanism, and numerous essential Amazon Databases and functionalities.

Course Objectives:

The core objective of this course is to help professionals develop a better understanding and sound knowledge of the following key concepts:

- Fault-Tolerant, Available, and Scalable AWS Systems Designing & Deployment
- On-premises Application Lifting and Shifting to the AWS
- AWS Services Selection based on Database, Computing, and Security Requirements
- Best Practices Identification in AWS Architecture
- Cost Control Mechanism Identification and AWS Cost Estimation
- Identity Access Management Fundamentals
- Amazon Simple Storage Service (S3 Bucket) Essentials
- Amazon Relation Database Service (RDS) and ElastiCache
- Amazon Dynamo & Redshift and Database Migration Service
- Amazon Networking, Route 53, and VPC Service

Audience:

- Cloud Computing Enthusiasts
- Cloud Architects
- Professionals seeking proficiency in Amazon S3 Bucket and Databases
- Candidates striving to clear AWS Solution Architect Associate Training & Exams

Prerequisites:

Professionals planning to enroll in the AWS for Absolute Beginners: Learn AWS from Ground Up course must comply with the following prerequisites:

- Fundamental Knowledge of Cloud Computing
- Basic Understanding of Web Hosting

Course Outline:

SECTION 1 : Introduction

- Intro Preview

SECTION 2 : Introduction to the course

- Introduction Overview Preview
- Getting Started Essentials
- Creating your AWS account and preparing it for an amazon ec2 free tier instan

SECTION 3 : Creating your first amazon EC2 instance

- Logging into the AWS Console and getting used to the interface Preview
- Create your first EC2 instance in the cloud using the AWS Console Preview
- Connecting to your EC2 Instance using SSH or PUTTY

SECTION 4 : Route 53 ? Host your domain on your EC2 Instance or S3 Bucket

- Route 53 Overview and pricing information
- Using Route 53 to host your domain on an EC2 Instance Preview
- Using Route 53 to host your domain on an S3 Bucket
- Creating a Wildcard DNS

SECTION 5 : AWS Identity and Access Management (IAM)

- IAM Features
- Accessing IAM
- Active Directory Integration (ADI)
- IAM Summary

SECTION 6 : Using S3 Buckets as cloud storage

- Creating a S3 Bucket
- Accessing a S3 Bucket
- S3 Bucket Configuration Options

SECTION 7 : Using AMI Instances (Amazon Machine Image)

- Creating an AMI from your existing EC2 Instance
- Deploying an EC2 instance from your previously created AMI

SECTION 8 : Creating an Auto Scaling Group

- Using an AMI to setup an auto scaling group
- Auto Scaling group summary

SECTION 9 : Controlling an EC2 Instance using Security Groups

- Security Groups Overview
- Using Security Groups to forward ports on your EC2 instance (HTTP, HTTPS, FTP

SECTION 10 : Databases on AWS

- Databases Introduction
- Launching your first RDS Instance
- Amazon Redshift Data Warehousing
- AWS DynamoDB NoSQL Databases
- Amazon ElastiCache - deploy, operate, and scale an in-memory cache in the cloud
- Databases Summary

SECTION 11 : Summary

- Summary