Video Streaming Essentials for AWS Media Services

Course Duration: 16 Hours   **Course Code: VS-AWS-101**

1. Course Overview

This course provides a comprehensive introduction to video streaming using AWS Media Services. Participants will learn how to design, deploy, and manage end-to-end video workflows on the AWS cloud. Through practical examples and hands-on labs, you will gain the skills needed to deliver high-quality, scalable video streaming solutions for live and on-demand content.

2. What You'll Learn

- Understand the core AWS Media Services: MediaLive, MediaConvert, MediaPackage, MediaStore, and MediaTailor.

- Build live and on-demand video streaming workflows.

- Configure encoding, packaging, and delivery of video content.

- Implement secure, scalable, and cost-effective streaming solutions.

- Monitor, optimize, and troubleshoot video streaming pipelines on AWS.

3. Target Audience

- Cloud engineers and architects interested in media workflows.

- Developers and DevOps professionals working with video streaming solutions.

- IT professionals looking to implement scalable video delivery on AWS.

V25.03.01

- Media and broadcasting teams aiming to leverage cloud-based streaming services.

4. Pre-Requisites

- Basic understanding of AWS core services (EC2, S3, IAM, CloudWatch).

- Familiarity with networking and storage concepts.

- Prior experience with media processing or streaming is helpful but not mandatory.

5. Course Content

Module 1: Introduction to AWS Media Services

Module 2: Live Video Streaming with AWS MediaLive

Module 3: Video On-Demand Workflows with MediaConvert

Module 4: Packaging and Origin Services using MediaPackage

Module 5: Storage and Content Delivery with MediaStore and CloudFront

Module 6: Personalization and Monetization using MediaTailor

Module 7: Security, Monitoring, and Optimization of Media Workflows

Module 8: Hands-on Labs: Building End-to-End Streaming Solutions

V25.03.01