

# Video Streaming Essentials for AWS Media Services (VSEAMS)

ID VSEAMS Price on request Duration 2 days

## Who should attend

This course is intended for Business Leaders, including managers/supervisors in the following roles:

- Developer
- Architect
- Video Operator

## Prerequisites

This course has no recommended prerequisites.

## Course Objectives

In this course, you will learn to:

- Articulate the essential terms and concepts fundamental to video compression and distribution
- Describe the four fundamental stages of video streaming workflows: ingest, process, store and deliver
- Explain the importance of security in the AWS Cloud and how it is applied in video streaming workflows
- Analyze video streaming workflow diagrams using AWS services, based on simple to complex use cases
- Describe some of the key variables that influence workflow decisions
- Recognize how other AWS services for compliance, storage, and compute, interact with AWS Media Services in video streaming workflows and the functions they perform
- Describe strategies to test or prototype workflows to mitigate risk and cost impacts and optimize video streaming workflows
- Use the AWS Management Console to build and run simple video streaming workflows for live and video-on-demand content
- Recognize the automation and data analytics available for Media Services when used with AWS AI and explore media-specific use cases for these services
- Identify the next steps in exploring migration to the cloud for one or more Media Services

## Module 1: Important video concepts

- Video Metrics
- Video Compression
- Video Distribution
- Major Protocols Used in Video Streaming

## Module 2: Anatomy of streaming workflows

- Ingest
- Process
- Store
- Deliver

## Module 3: Using AWS services in media workflows—video-on-demand (VOD)

- Introduction to AWS Media Services
- Security
- Variables Impacting Workflow Design
- VOD Simple Use Cases
- VOD Advanced Use Cases
- Lab 1: Build and run a simple video streaming workflow for VOD content

## Module 4: Using AWS services in media workflows – live streaming

- Challenges of Live Streaming
- Live Streaming Simple Use Cases
- Live Streaming Advanced Use Cases
- Lab 2: Build and run a simple video streaming workflow for live content

## Module 5: Optimizing Workflows

- Cost Considerations
- Mitigating Risk
- Monitoring and Automation
- Exploring Migration Options

## Course Content

## Training Centres worldwide



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