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# Media Foundation

## COURSE OVERVIEW



### Course Modality

Classroom  
+ hands-on labs



### Course Time

3 days



### Course Level

Fundamental



### Course Language

English

In this course, you will learn the media and cloud fundamentals that empower you to develop a cloud strategy that meets your business goals. It covers important concepts related to video processing and delivery, the variables that can impact migration decisions, and real-world examples of hybrid and cloud use cases for AWS Media Services. It also introduces security, machine learning, and analytics concepts to help you consider how AWS Media Services fit into your overall cloud strategy.

## Prerequisites:

We recommend that attendees of this course have the following prerequisites:

We recommend that attendees of this course have the following prerequisites:

Familiarity with live streaming workflows, or

Completion of Understanding Live Video Workflows digital training

## Intended Audience:

Anyone interested in learning more about how AWS Media Services can be used to easily create professional quality media experiences for viewers without the time, effort and expense that used to typically be required to run specialized video equipment in a traditional data center.

APN Partners

Customers

## Skill Covered:

- ✓ This course covers the following concepts:
- ✓ AWS Media Services and the role each plays in live and on-demand video workflows.
- ✓ The customers that can use the services to process and deliver their video content.
- ✓ Key benefits of using AWS Media Services to build media infrastructure in the cloud.
- ✓ Resolution, frame rate and bit rate
- ✓ Color space and bit depth
- ✓ Compression schemes, codecs and containers.
- ✓ Over-the-top (OTT) video workflows
- ✓ Adaptive Bitrate (ABR) streaming
- ✓ Just-in-time Packaging of video

- ✓ Content Delivery Networks (CDNs)
- ✓ Digital Rights Management (DRM)
- ✓ Ad insertion and replacement
- ✓ Source quality , Latency, Storage ,Program enhancements

## COURSE CURRICULUM

### **Module 1:**

Media Essentials for IT Business Decision Makers

### **Module 2:**

Introduction to AWS Media Services

### **Module 3:**

AWS Elemental Foundations - Video Compression Basics

### **Module 4:**

AWS Elemental Foundations - Video Delivery Basics

### **Module 5:**

AWS Elemental Foundations - The Challenges of Streaming Live Video

### **Module 6:**

Understanding Live Streaming Workflows

### **Module 7:**

Understanding Video-on-Demand (VOD) Workflows

### **Module 8:**

Understanding Monetization Workflows

### **Module 9:**

Media Glossary