AKAMAI MEDIA DELIVERY SOLUTIONS

Course Overview and Agenda

March 2023

Akamai

Course Overview

The Akamai Media Delivery Solutions course is designed to familiarize participants with the Akamai media delivery offering. During the course the participants learn how to configure, test, and fine tune Akamai media delivery solutions. The training also provides an overview of reporting, basic media APIs, and common troubleshooting guidelines for stream delivery. This course includes live demonstrations and hands-on exercises to enhance user experience.

Objectives

At the end of this course, you will be able to:

- Describe the Akamai platform and media product portfolio.
- Explain compression and codecs.
- Explain live and on-demand media workflows.
- Implement and test live and on-demand configurations.
- Describe streaming media security risks.
- Use media reports.
- Understand the basics of media APIs.
- Troubleshoot common streaming issues.

Agenda

The Akamai Media Delivery Solutions course curriculum can be delivered either as:

- CLASSROOM TRAINING: 2 day (8 hours),
- ONLINE TRAINING: 3 days (4,5 hours each).

The agenda for this training is listed below.

Duration (min)	Module Name & Description
90	**MODULE 1: INTRODUCTION** This module describes the basics of the Akamai Intelligent Edge Platform, shoes how to navigate through Akamai Control Center and explain what Property Manager is.
60	**MODULE 2: SECURE DELIVERY** In this class, we will learn about HTTPS and TLS Certificates, and how Akamai works with sites that are HTTPS enabled. You will also learn about the various types of certificates and how they can be obtained and deployed on the Akamai network. In this time, you will do a tech set-up of your systems and get started on configuring an HTTPS site on Akamai.
45	**MODULE 3: COMPRESSION AND CODECS** This module defines what codec is, tells the difference between constant and variable bit rates, describe the different types of compression and explain what formats/containers are. It also provides an overview of H.264/AVC vs H.265/HEVC.
45	**MODULE 4: MEDIA DELIVERY WORKFLOW** This module provides an overview of the components of the on-demand and live media workflow.
75	**MODULE 5: ADAPTIVE MEDIA DELIVERY (AMD)** This module provides an in-depth look how Adaptive Media Delivery enables streaming for HTTP-based formats, how to provision an AMD configuration using Property Manager, test video playback using Akamai support players and refresh Akamai server caches of stale On Demand content. **LAB: PROVISIONING ADAPTIVE MEDIA DELIVERY**
75	**MODULE 6: MEDIA SERVICES LIVE (MSL)** This module explains the differences between the two current versions of MSL, teaches how to provision MSL 4 via Akamai Control Center and test video playback for various formats. **LAB: PROVISIONING A LIVE STREAM**

90	**MODULE 7: MEDIA SECURITY** This module gives you a walkthrough of the various tools and services used to troubleshoot common Stream Delivery issues. **LAB: ENABLING AND TESTING SECURITY ON VOD STREAMS**
60	**MODULE 8: REPORTING** This module is an overview of the various tools used to capture information regarding end user behavior and media performance.
45	**MODULE 9: MEDIA APIS** This module gives you a walkthrough of Akamai Developer Center, Akamai Command Line Interface and Developer Toolkit Chrome Extension. It also helps to understand the workflow of creating an API client and configuring credentials to access Akamai APIs.
45	**MODULE 10: TROUBLESHOOTING** This module gives you a walkthrough of the various tools and services used to troubleshoot common Stream Delivery issues.
30	**MODULE 11: SUMMARY** This module summarizes all the content covered in Akamai Media Delivery Solutions course.
60	**SURVEY, QUIZ & CERTIFICATION**