

Course Overview and Agenda

Akamai Web Performance Foundations

Version 1.0



Course Overview

The Akamai Web Performance Foundations course for Akamai University is designed to familiarize you with the Akamai Web Performance portfolio and its key capabilities. It offers an introduction into the features of the Akamai Intelligent Platform that enable those capabilities through a combination of learning interventions such as conceptual discussions, hands-on lab exercises, facilitator-led demonstrations, and group-based activities.

Objectives

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

- Describe the Akamai Web Performance portfolio.
- Describe the underlying technology and features on the Akamai Intelligent Platform.
- Navigate effectively through Luna Control Center.
- Configure and maintain Akamai Web Performance products according to your requirement.

Agenda

The Akamai University Performance Foundations curriculum is spread over:

- CLASSROOM TRAINING: two days (8 hours each)
- ONLINE TRAINING: three days (4 hours each)

Day 1:

Module Name	Duration (mins), including Lab time	Description
Introduction to Web Performance Solutions	20	This module is an introduction to the challenges of the Internet and how the Akamai Intelligent Platform can address them with its key capabilities. It includes an overview of Akamai's Web Performance Solutions suite, describing the value proposition of each product and its corresponding feature set.
Getting a Web Property onto Akamai	40	This class talks about how a site is Akamaized. That is, how a website/application gets onto the Akamai network, especially from a DNS perspective. You will also learn how to configure a basic site on Akamai.
Secure Delivery	70	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.
Caching	60	Learn the fundamentals of caching at the Akamai Edge including the benefits and testing. You will learn to configure basic Caching on Luna Control Center.
Variables	20	In this class, you will learn how to use an exciting new feature of Akamai Web Performance solutions - User-Defined Variables. These Variables allow you to make more advanced logical decisions, extract values from various places which can then be used elsewhere in your site logic at the Edge. Variables also give you the ability to do some actions that previously required "Advanced Metadata", something only Akamai Professional Services have access to.
Refreshing Content	60	This class will walk you through how you can refresh content on the Akamai network - i.e. how to delete (purge) or invalidate content, requiring objects to be fetched or revalidated from the origin. You will also learn about the different tools (CCU, Fast Purge, etc.) which can be used for refreshing content.

HTTP/2	60	In this class, you will learn about HTTP/2, the evolution of the HTTP 1.1 protocol, how Akamai supports it and adds value-add functionalities which leverages parts of HTTP/2. You will also learn about Akamai's Adaptive Acceleration feature, which leverages HTTP/2 technology.
Analytics	20	This class will walk you through features that help you measure page performance like Real-User Monitoring and Site Analyzer. You will also learn about the different reporting options available on Akamai.
Diagnostic Tools	20	In this class, you will learn about some of the lesser-known Akamai tools that you have access to through the Luna portal which can be helpful in testing and troubleshooting.

Day 2:

Module Name	Duration (mins), including Lab time	Description
Advanced Caching	70	Describe how dynamic caching works on the Edge and how we use Flexible Cache Key to allow us to cache different versions of content with the same URL.
Image Optimization	60	In this class, you will learn about Akamai's most powerful and exciting image optimization capabilities - Image Manager. You will learn how you can easily enable Image Manager on a site to obtain excellent image experiences for your end-users, including using intelligent compression and browser-specific image formats.
Cloudlets	60	This class will teach you about our Cloudlets portfolio and how each Cloudlet services a specific niche function. It will give you a deep dive into a few of the most popular Cloudlets including Edge Redirector and Visitor Prioritization. You will learn how to configure a selected set of Cloudlets on Luna portal.
Onboard and Configuration Assistant (OCA)	20	In this class, you will learn about what Onboard & Configuration Assistant (OCA) is and learn about the 4-step self-guided OCA workflow.
Intro to Akamai for DevOps	60	In this time, learn about all the exciting things that Akamai is doing to help developer and DevOps oriented customer's better leverage and control the Akamai platform. Also learn about OPEN APIs, the new Command Line Interface, and other exciting options which help you use Akamai the way you want to.
Survey and Quiz	70	Give us your feedback on the training sessions by taking up the survey. Also, take a pass at the quiz questions and get certified.