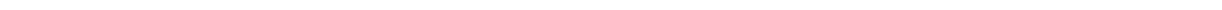


Course Overview and Agenda

KONA SITE DEFENDER: CONFIGURE AND MAINTAIN

Version 1.0



Course Overview

Kona Site Defender: Configure and Maintain is a “from Zero to Hero” course that focuses on teaching everything needed to set up and maintain Kona Site Defender (KSD). The course starts with setting up a basic KSD configuration with default best practices. Then, it progresses to the concepts involved in analyzing and tuning the configuration in order to maintain it. The participants of this course learn how to protect both APIs as well as web applications.

All key topics include theory complemented with an appropriate hands-on component (eg: group activity or lab). The course also highlights often-encountered use cases for maximum impact.

Objectives

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

- Describe the basics of the Akamai Intelligent Platform.
- Explain the basics of Web Application Security.
- Describe the features of Kona Site Defender.
- Configure and activate KSD.
- Test the KSD configuration for APIs and web applications.
- Analyze the behavior of the configuration using reporting tools.
- Tune KSD in accordance with the results of the analysis.

Agenda

The ***Kona Site Defender: Configure and Maintain*** course consists of 12 modules, which can be offered as either Classroom or Online sessions.

- The Classroom session will be conducted over 2 days, with 6 hours each day.
- The Online session will be conducted over 3 days, with 4 hours each day.



Duration (min)	Module Name and Description
30	Module 1: Introduction This module is an introduction to Akamai, the Cloud Security Solutions portfolio, and Luna Control Center.
30	Module 2: Web Application Security This module will cover the basics of Web Application Security, such as OWASP and common attack trends.
60	Module 3: Site Delivery Components This module will describe the components used in basic site delivery like Site Shield, Site Failover, Compliance Management, etc. and how they can be edited to optimize the configuration.
150	Module 4: The Security Configuration This module discusses the features of the Akamai WAF including Selected Hosts and Match Targets, Rate Controls, Application Layer Controls, Network Layer Controls, and Slow POST protection.
60	Module 5: API Protection This module focuses on the details of API protection and how to set up a configuration for the protection of APIs.
30	Module 6: Client Reputation This module focuses on what Client Reputation is and how it fits into Akamai's layered defense concept.

Duration (min)	Module Name and Description
60	<p>Module 7: Analyze and Tune DoS Protection</p> <p>This module will help identify how to tune Rate Controls and Slow POST protection by analyzing Security Monitor, the WAF Rate Control report, and the DoS Activity report.</p>
90	<p>Module 8: Analyze and Tune Application Security</p> <p>This module explains how to analyze reports such as the WAF Activity report, Security Monitor, Security Center, and Client Reputation Activity report and use this to tune Application Layer Controls and Client Reputation.</p>
30	<p>Module 9: Getting the most from your SIEM</p> <p>This module explores some reporting options for the SIEM integrations.</p>
30	<p>Module 10: Going to Deny Mode</p> <p>This module will delve into how and when to set rules into Deny mode.</p>
30	<p>Module 11: Security Monitor Notifications</p> <p>This module will involve setting up the five Akamai-recommended notifications.</p>
30	<p>Module 12: Summary</p>
60	<p>QUIZ</p>