



## 1 Introduction

APIs are the backbone of digital transformation, powering modern applications and enabling seamless connectivity across cloud, mobile and third-party platforms. As organizations accelerate innovation, the attack surface expands, making these less protected and less monitored APIs prime targets for sophisticated cyberthreats and compliance risks.

The democratization of generative AI tools has given attackers a significant edge over organizations. They use AI to map out application API infrastructures and business logic, then launch sophisticated business logic attacks that fly under the radar by abusing legitimate API workflows.

Radware's API Security solution is purpose-built to tackle today's API security challenges by delivering automated, runtime posture management and runtime protection within a single pane of glass. It bridges the gaps and eliminates silos between the teams responsible for documenting and managing APIs and those tasked with securing them, ensuring seamless collaboration and comprehensive coverage.

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## 2 Purpose and Scope

This course, **Cloud API Protection**, is a structured **1-day** training.

It consists of a *practical* and a *theoretical* part.

In this course, you will learn how to access and set up the Cloud API Protection solution.

This training begins with an overview of the features and capabilities of Radware's Cloud API Protection solution. You will learn how to set up a new application and configure the API protection. We use an API tool to attack this protected application and observe the security events related to the attack.

## 3 Target Audience and Prerequisites

This course is tailored for security professionals who possess a strong understanding of APIs, web applications, and network protocols. Such expertise is essential when establishing effective protection measures.

## 4 Objectives

- Gain an understanding of the primary capabilities of Cloud API protection and their operational mechanisms.
- Install and deploy a Cloud WAAP application to secure an API application.
- Develop proficiency in monitoring Cloud API protection functionalities.

## 5 Cloud API Protection Presentations and Hands-On Labs

### Presentations:

- Introduction to Radware's Cloud Web Application and API Protection (WAAP) service
- API Background Information
- API Protection
- API Testing
- Business Logic Attack Protection
- Token Authorization Protection

### Hands-On Labs:

- Access the Cloud WAAP portal
- Create your application
- Configure API Protection on the application
- Configure the remote system to access the application
- Run attacks
- Review security events

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