

F5-ASM/WAF

Learn to deploy and tune F5 Application Security Manager to protect web applications against OWASP Top 10 and other threats.

5 Days

40 HOURS

21

TOPICS

COURSE OVERVIEW

The F5-ASM/WAF course is designed to provide learners with comprehensive knowledge and skills to manage and secure web applications using the F5 Application Security Manager (ASM), which is a robust Web Application Firewall (WAF). The course covers a broad range of topics from understanding the flow of application traffic, setting up the BIG-IP system, and utilizing F5's advanced security features to protect against web-based threats. Participants will gain insights into the OWASP Top 10 security risks and how to mitigate them, learn to deploy security policies, tune these policies for optimal performance, and understand the importance of Signature-based defenses. With a focus on building a Positive security model, Securing cookies, and Handling parameters, the course also dives into the Integration with vulnerability scanners, the use of Layered policies, and Defenses against brute force attacks and DoS. By the end of the F5 WAF training, learners will be equipped with practical skills in web application firewall training, allowing them to secure applications effectively. This course is beneficial for security professionals seeking to enhance their expertise in F5 security solutions and for organizations aiming to safeguard their web applications against evolving cyber threats.

Who Should Attend

The F5-ASM/WAF course is designed for IT professionals focusing on web application security and traffic management.

Network Security Engineers

System Administrators managing web application infrastructures

Security Architects designing secure network environments

Application Developers seeking to understand security deployment

IT Security Consultants providing advice on application security

Network Administrators responsible for F5 BIG-IP ASM/WAF devices

Cybersecurity Analysts analyzing and securing web applications

IT Professionals preparing for F5 certification exams

DevOps Engineers integrating security into continuous deployment

Webmasters responsible for maintaining the security of websites

Compliance Officers ensuring adherence to web application security standards

Technical Support Engineers supporting F5 security products

Cloud Security Specialists working with cloud-based web applications

LEARNING OBJECTIVES

- Explain application traffic flow through the BIG-IP system
- Configure initial setup of BIG-IP and traffic processing components
- Deploy and tune an initial security policy on ASM
- Apply attack signatures within a positive security model
- Secure cookies and other headers against manipulation
- Analyse reporting and logging functionality on ASM
- Implement static and dynamic parameter handling
- Integrate ASM with vulnerability scanners and layered policies

21 Topics

TOPICS

- Application Traffic Flow
- Initial setup of BIG-IP
- Basic traffic processing components on F5
- HTTP header and explanation of OWASP Top 10
- Security Model
- Ways to deploy initial security policy on ASM
- Tuning of your policy
- Attack Signatures
- Approach towards building a positive security policy
- Securing Cookies and other headers
- Reporting and Logging Functionalities on ASM
- Static and Dynamic Parameter Handling
- Comparing Security Policies
- ASM deployment types
- Use of Templates for policy creation
- Process of Automatic Policy building
- Integration of ASM with Vulnerability Scanners
- Use of Layered policies
- Enforce login and protection of application from Brute Force
- Details of Session tracking and Web Scraping
- Protecting your application against DOS

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

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