



Enterprise Computing Solutions - Education Services

## TRAINING OFFERING

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**Du kan nå oss här**

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# Configuring F5 Advanced WAF (previously licensed as ASM) v15.1

CODE:	LENGTH:	PRICE:
F5N_BIG-AWF-CFG	4 days	kr34,000.00

## Description

In this 4 day course, students are provided with a functional understanding of how to deploy, tune, and operate F5 Advanced Web Application Firewall to protect their web applications from HTTP-based attacks.

The course includes lecture, hands-on labs, and discussion about different F5 Advanced Web Application Firewall tools for detecting and mitigating threats from multiple attack vectors such as web scraping, Layer 7 Denial of Service, brute force, bots, code injection, and zero day exploits.

## Objectives

### Course Objectives

- Describe the role of the BIG-IP system as a full proxy device in an application delivery network
- Provision F5 Advanced Web Application Firewall resources
- Define a web application firewall
- Describe how F5 Advanced Web Application Firewall protects a web application by securing file types, URLs, and parameters
- Deploy F5 Advanced Web Application Firewall using the Rapid Deployment template (and other templates) and define the security checks included in each
- Define learn, alarm, and block settings as they pertain to configuring F5 Advanced Web Application Firewall
- Define attack signatures and explain why attack signature staging is important
- Contrast positive and negative security policy implementation and explain benefits of each
- Configure security processing at the parameter level of a web application
- Use an application template to protect a commercial web application
- Deploy F5 Advanced Web Application Firewall using the Automatic Policy Builder
- Tune a policy manually or allow automatic policy building
- Integrate third party application vulnerability scanner output into a security policy
- Configure login enforcement and session tracking
- Configure protection against brute force, web scraping, and Layer 7 denial of service attacks
- Implement iRules using specific F5 Advanced Web Application Firewall events and commands
- Use Content Profiles to protect JSON and AJAX-based applications
- Implement Bot Signatures
- Implement Proactive Bot Defense
- Describe the role of the BIG-IP system as a full proxy device in an application delivery network
- Provision F5 Advanced Web Application Firewall resources
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- Implement Bot Signatures
- Implement Proactive Bot Defense

## Audience

This course is intended for security and network administrators who will be responsible for the installation, deployment, tuning, and day-to-day maintenance of the F5 Advanced Web Application Firewall.

## Prerequisites

There are no F5-technology-specific prerequisites for this course. However, completing the following before attending would be very helpful for students with limited BIG-IP administration and configuration experience:

Administering BIG-IP instructor-led course

-or-

F5 Certified BIG-IP Administrator

The following free web-based training courses, although optional, will be very helpful for any student with limited BIG-IP administration and configuration experience. These courses are available at F5 University:

Getting Started with BIG-IP web-based training

Getting Started with BIG-IP Application Security Manager (ASM) web-based training

The following general network technology knowledge and experience are recommended before attending any F5 Global Training Services instructor-led course:

OSI model encapsulation

Routing and switching

Ethernet and ARP

TCP/IP concepts

IP addressing and subnetting

NAT and private IP addressing

Default gateway

Network firewalls

LAN vs. WAN

## Programme

Resource provisioning for F5 Advanced Web Application Firewall

Traffic processing with BIG-IP Local Traffic Manager (LTM)

Web application concepts

Web application vulnerabilities

Security policy deployment

Security policy tuning

Attack signatures

Positive security building

Securing cookies and other headers

Reporting and logging

Policy Diff, merging, and exporting

Advanced parameter handling

Using application templates

Using Automatic Policy Builder

Integrating with web vulnerability scanners

Login enforcement

Brute force mitigation

Session tracking

Web scraping detection and mitigation

Geolocation Enforcement and IP Address Exceptions

Using Parent and Child policies

Layer 7 DoS protection

F5 Advanced Web Application Firewall and iRules

Using Content Profiles for AJAX and JSON applications

Advanced Bot Detection and Defense

**Course Topics** Proactive Bot Defense

## Session Dates

Date	Location	Time Zone	Language	Type	Guaranteed	PRICE
08 Feb 2022	Virtual Classroom (Timezone Stockholm)	CET	English	Instructor Led Online		kr34,000.00
05 Apr 2022	Virtual Classroom (Timezone Stockholm)	CEDT	English	Instructor Led Online		kr34,000.00

## Ytterligare information

[Denna utbildning finns också som utbildning på plats. Kontakta oss för mer information.](#)