



**Enterprise Computing Solutions - Education Services**

## **TRAINING OFFERING**

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**Du kan nå oss här**

Kronborgsgränd 7, 164 46 Kista

Email: [edu.ecs.se@arrow.com](mailto:edu.ecs.se@arrow.com)

Phone: +46 8 555 188 00



## Configuring F5 Advanced WAF (previously licensed as ASM) v16.1

**CODE:**

F5N\_BIG-AWF-CFG

**LENGTH:**

32 Hours (4 days)

**PRICE:**

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

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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 TopicsProactive Bot Defense

Session Dates

Date	Location	Time Zone	Language	Type	Guaranteed	PRICE
04 Jun 2024	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.