



Enterprise Computing Solutions - Education Services

## TRAINING OFFERING

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**Sie erreichen uns unter**

Arrow ECS GmbH, Elsenheimerstraße 1, 80687 München

Email: [training.ecs.de@arrow.com](mailto:training.ecs.de@arrow.com)

Phone: +49 (0)89 930 99 168



# BIG-IP Advanced Web Application Firewall Configuration Training (4 days)

<b>CODE:</b>	<b>LÄNGE:</b>	<b>PREIS:</b>
F5N_BIG-AWF-CFG	32 Hours (4 Tage)	€4,400.00

## 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 web scraping, Layer 7 Denial of Service, brute force, bots, code injection, and zero day exploits.

## Lernziel

- 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

## Zielgruppe

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.

## Voraussetzungen

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)
- 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

## Inhalt

- Setting Up the BIG-IP System
- Traffic Processing with BIG-IP
- Web Application Concepts
- Common Web Application Vulnerabilities
- Security Policy Deployment
- Policy Tuning and Violations
- Attack Signatures
- Positive Security Policy Building
- Cookies and Other Headers
- Reporting and Logging
- Lab Project 1
- Advanced Parameter Handling
- Policy Diff and Administration
- Automatic Policy Building
- Web Application Vulnerability Scanner Integration
- Layered Policies
- Login Enforcement, Brute Force Mitigation, and Session Tracking
- Web Scraping Mitigation and Geolocation Enforcement
- Layer 7 DoS Mitigation and Advanced Bot Protection
- F5 Advanced WAF and iRules
- Using Content Profiles
- Review and Final Labs

## Weitere Informationen

- Bitte beachten Sie, dass diese Kurse direkt beim Hersteller stattfinden und Arrow ECS Education nur als Vermittler auftritt.
- Die Verfügbarkeit von freien Plätzen können wir trotz Ihrer Online-Buchung/Bestellung leider nicht gewährleisten.
- Installation und Kursunterlagen sind Englisch.
- Dieser Kurs ist nicht rabatt- und prämiensprogrammfähig!
- Bitte beachten Sie - der original Listenpreis des Herstellers beträgt 3995 USD. Sie haben die Möglichkeit, diesen Kurs in USD zu bestellen und zu bezahlen. Wenn Sie dies wünschen, geben Sie es bitte ausdrücklich im Kommentarfeld des Bestellformulars an.

## Kurstermine

Auf Anfrage. Bitte [kontaktieren Sie uns](#)

## Zusätzliche Information

[Diese Schulung ist auch als Vor-Ort-Schulung verfügbar. Bitte kontaktieren Sie uns, um mehr zu erfahren.](#)