



F5 BIG IP Application Security Manager (ASM) -V11

Duration: 4 Days **Course Code: WGAC-F5N-BIG-ASM-ESS**

Overview:

The BIG-IP Application Security Manager course gives participants a functional understanding of how to deploy, tune, and operate BIG-IP Application Security Manager (ASM) to protect their web applications from HTTP-based attacks. The course includes lecture, hands-on labs, and discussion about different ASM components 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.

Target 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 Application Security Manager.

Prerequisites:

There are no required F5 technology-specific prerequisites for this course.

■ However, completing one the following before attending would be very helpful for students unfamiliar with BIG-IP:

- Administering BIG-IP instructor-led course
- F5 Certified BIG-IP Administrator

The following web-based courses, although optional, will be very helpful for any student with limited BIG-IP administration and configuration experience:

- Getting Started with BIG-IP web-based training
- Getting Started with BIG-IP Local Traffic Manager (LTM) 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:

- Web application delivery concepts
 - HTTP and HTTPS protocols
 - General awareness of web application vulnerabilities such as those defined in the OWASP Top Ten
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Content:

v12.0 Course Topics

- Setting up the BIG-IP system
- 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
- User roles
- Policy modification, merging, and exportin
- Advanced parameter handling
- Using application templates
- Using Automatic Policy Builder
- Integrating with web vulnerability scanners
- Login enforcement and session tracking
- Web scraping detection and mitigation
- Layer 7 DoS protection
- ASM and iRules
- XML and web services support
- AJAX and JSON support

v11.6 Course Topics

- Setting up the BIG-IP system
- Traffic processing with BIG-IP Local Traffic Manager (LTM)
- Web application concepts
- Web application vulnerabilities
- Security policy deployment
- Attack signature
- Positive security building
- Cookies and other headers
- Reporting
- User roles and administration
- Advanced parameter handling
- Application templates
- Real Traffic Policy Builder
- Vulnerability scanners
- Login enforcement and session tracking
- Anomaly detection
- ASM and iRules
- AJAX and JSON support
- XML and web services support

Further Information:

For More information, or to book your course, please call us on 00 971 4 446 4987

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