Training: F5
Securing NGINX Deployments

TRAINING GOALS:

Securing Applications with NGINX is an 8-hour course for individuals who want a deep understanding of NGINX and NGINX Plus's security features.

Securing Applications with NGINX students identify and administer client-side and upstream encryption (SSL/TLS), configure access control (limit rates, blacklisting/whitelisting), setup authentication (basic auth, OAuth 2.0), and tune the NGINX proxy to have reliable, persistent, fast, secure connections. The second half of the course explores using NGINX Plus to secure API traffic, authenticate users with OpenID Connect, and blocking malicious traffic with the ModSecurity 3.0 WAF dynamic module.

CONSPECT:

- Implement NGINX security directives according to best practices
- Encrypt both front-end and back-end traffic
- Configure NGINX WAF using ModSecurity 3.0
- Understand the benefits and limitations of OWASP
- Set up JWT authentication
- Enforce rate limiting

REQUIREMENTS:

We recommend you complete NGINX Core, before taking Securing Applications with NGINX Plus.

The course assumes a basic understanding of networking, web servers, HTTP, load balancing, caching, proxying, and related concepts.

Hands on labs are performed in a Linux environment. You will need to be able to navigate the file system from the command line and edit configuration files using VI/VIM. Additional experience with Linux environments will be helpful.

Difficulty level

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CERTIFICATE:

The participants will obtain certificates signed by F5 Networks (course completion).

TRAINER:

Certified F5 Networks Trainer

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