

## Training: F5 Administering NGINX for Web Services



### TRAINING GOALS:

Learn how to administer, configure, and manage NGINX using recommended practices. Discover how to set up and control NGINX server contexts, and configure location context. Explore NGINX variables and their usage.

Find out about NGINX logging methods, levels and severity of log entries, and how to set up error logging. Learn about proxy and reverse proxy concepts and discover how to map and use variables to convert requests from older locations to new locations. Further explore routing concepts and methods, including why and how to configure NGINX to use HTTPS/SSL to secure client and server connections and how to force the use of HTTPS. Finally, learn about the NGINX Plus API and Dashboard; configure systems to display their information via the Dashboard and control access to systems via the API.

Administering NGINX for Web Services is critical for all levels of NGINX product users, from beginner to experienced, because this course teaches the concepts and practices that form the foundation for learning about other products in the NGINX family.

### Course Objectives

By the end of this course, students will be able to:

- Learn the basics of the NGINX Architecture, it's scaling features, processes and basic management commands
- Learn NGINX configuration files, structure and context heirarchy
- Configure servers to repond to requests based on server and location settings
- Discover how NGINX uses built-in and custom variables and their usage
- Configure NGINX to log Connection and Error details
- Learn about NGINX Reverse Proxy usage and tuning settings
- Learn about NGINX Request Routing and configure alias and rewrite operations
- Discover TLS/SSL concepts and configure NGINX to require secure protocols
- Discover the NGINX Plus Dashboard and API and use them to monitor and configure your servers

### CONSPECT:

- Understanding the NGINX Architecture
- Configuring Contexts
- Serving Content with Server Directives
- Serving Content with Location Directives
- Using Variables
- Managing NGINX Logging
- Proxying Requests
- Routing HTTP Requests
- Mapping Variables
- Encrypting Web Traffic and Restricting Access
- Monitoring and Managing Systems

## REQUIREMENTS:

Administering NGINX for Web Services is the foundation of your NGINX training. As such, no prior NGINX training is required. The course assumes a basic understanding of networking, web servers, HTTP, load balancing, caching, proxying, and related concepts.

## Difficulty level



## CERTIFICATE:

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

## TRAINER:

Certified F5 Networks Trainer