Training: F5
# Configuring Load Balancing using NGINX

## TRAINING GOALS:

NGINX Load Balancing is a hands-on exploration of NGINX HTTP and TCP/UDP load balancing.

NGINX Load Balancing begins with a general review of load balancing, and an introduction to load balancer configuration, selection algorithms, and weighting in NGINX. After you configure an upstream, you explore options for session persistence and enable extended status / live activity monitoring. You implement TCP/UDP load balancing with active health checks, and configure routing and IP sourcing. We demonstrate a highly available (HA) NGINX systems in case of node failure. By the end of the class, you will be able to deploy a high performing (ADC) application delivery controller using NGINX Plus and its features.

## CONSPECT:

- HTTP load balancing to backend servers
- Load balancing migration scenarios
- Configuring and testing the backup parameter
- Using the NGINX live activity monitoring dashboard to monitor HTTP and TCP backend servers
- Session persistence methods
- TCP load balancing
- Active health checks
- High Availability (HA) scenarios

## REQUIREMENTS:

Before taking this course, make sure you have completed one of the following:

- Administering NGINX for Web Services

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



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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



## CERTIFICATE:

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

This course helps prepare participants for the F5 Certified Administrator, NGINX (F5-CA, NGINX) certification. The certification requires candidates to pass four exams: NGINX Management (F5CAN1); NGINX Configuration: Knowledge (F5CAN2); NGINX Configuration: Demonstrate (F5CAN3); and NGINX Troubleshoot (F5CAN4).

More information: https://education.f5.com/learning-path/view/24

## TRAINER:

Certified F5 Networks Trainer



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