

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:

- Set up http load balancing to backend servers
- Describe load balancing migration scenarios
- Configure and test the backup parameter
- Use the NGINX live activity monitoring dashboard to monitor HTTP and TCP back-end servers
- Understand and configure session persistence methods
- Configure and test TCP load balancing and active health checks
- Understand HA scenarios

REQUIREMENTS:

We recommend you complete NGINX Core, before taking NGINX Load Balancing.

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



CERTIFICATE:

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

TRAINER:

Certified F5 Networks Trainer