

Training: F5
Configuring BIG-IP DNS

TRAINING GOALS:

This course gives networking professionals a functional understanding of the **BIG-IP DNS system** as it is commonly used. The course covers installation, configuration, and ongoing management of the BIG-IP DNS system, and includes both lecture and many hands-on labs.

Audience:

This course is intended for system and network administrators responsible for installation, setup, configuration, and administration of BIG-IP DNS systems.

CONSPECT:

- Setting Up the BIG-IP System
 - Introducing the BIG-IP System
 - Initially Setting Up the BIG-IP System
 - Archiving the BIG-IP Configuration
 - Leveraging F5 Support Resources and Tools
- Introducing the Domain Name System (DNS) and BIG-IP DNS
 - Understanding the Domain Name System (DNS)
 - Reviewing the Name Resolution Process
 - Implementing BIG-IP DNS
 - Using DNS Resolution Diagnostic Tools
- Accelerating DNS Resolution
 - Introducing DNS Resolution with BIG-IP DNS
 - Configuring BIG-IP DNS Listeners
 - Resolving DNS Queries in the Labs (Lab Zone Records)
 - Load Balancing Queries to a DNS Server Pool
 - Accelerating DNS Resolution with DNS Cache
 - Accelerating DNS Resolution with DNS Express
 - Introducing Wide IPs
 - Using Other Resolution Methods with BIG-IP DNS



- Integrating BIG-IP DNS into Existing DNS Environments
- Implementing Intelligent DNS Resolutions
 - Introducing Intelligent DNS Resolution
 - Identifying Physical Network Components
 - Identifying Logical Network Components
 - Collecting Metrics for Intelligent Resolution
 - Configuring Data Centers
 - Configuring a BIG-IP DNS System as a Server
 - Configuring a BIG-IP LTM System as a Server
 - Establishing iQuery Communication between BIG-IP Systems
 - Configuring a Non-F5 Server
 - Defining Links and Routers
 - Configuring Wide IP Pools
 - Configuring Wide IPs
 - Managing Object Status
 - Using the Traffic Management Shell (TMSH)
- Using LDNS Probes and Metrics
 - Introducing LDNS Probes and Metrics
- Load Balancing Intelligent DNS Resolution
 - Introducing Load Balancing on BIG-IP DNS
 - Using Static Load Balancing Methods
 - Using Dynamic Load Balancing Modes
 - Using Quality of Service Load Balancing
 - Persisting DNS Query Responses
 - Logging GSLB Load Balancing Decisions
 - Using Manual Resume
 - Using Topology Load Balancing
- Monitoring Intelligent DNS Resources
 - Exploring Monitors
 - Configuring Monitors
 - Assigning Monitors to Resources
 - Monitoring Best Practices
- Advanced BIG-IP DNS Topics
 - Using DNSSEC
 - Setting Limits for Resource Availability
 - Using iRules with Wide IPs



- Introducing Other Wide IP Types
- Implementing BIG-IP DNS Sync Groups
- Final Configuration Projects
 - Review Questions
- Additional Training and Certification
 - Getting Started Series Web-Based Training
 - F5 Instructor Led Training Curriculum
 - F5 Professional Certification Program

REQUIREMENTS:

Before attending the Troubleshooting, ASM, DNS, APM, AAM, AFM, VIPRION or iRules courses is mandatory:

- to take part in the BIG-IP Admin or LTM course
- or possession of F5-CA or F5-CTS LTM certification
- or pass special assessment test with score 70% or greater.

To take assessment test:

Step 1: get an account on F5 University <https://university.f5.com>

Step 2: goto My Training and find Administering BIG-IP Course Equivalency Assessment

Take the test. Pass mark is 70%

Step 3: take a screen shot as proof of results

If this prerequisite is not met, F5 Networks have the right to refuse entry to the class.

Difficulty level



CERTIFICATE:

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

This course also will help to prepare you for the F5 Networks GTM Specialist certification (F5-CTS) exams Exam 302 - GTM Specialist, which is available through the [Pearson VUE test centers](#).

TRAINER:

Certified F5 Networks Trainer.