Training: F5
Configuring BIG-IP DNS

TRANING TERMS

2025-12-04 | 2 days | Kraków / Virtual Classroom

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

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- 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

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- 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 sore 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**.

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TRAINER:

Certified F5 Networks Trainer.

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