Configuring BIG-IP DNS (formerly GTM) v.17.5 Training

Duration: **2 Day**

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This course provides a comprehensive understanding of the**F5 BIG-IP DNS system**, including installation, configuration, and management.

Participants will:

- Understand DNS resolution processes
- Configure BIG-IP DNS for **traffic management and load balancing**
- Gain hands-on experience with real-world scenarios

This course is ideal for:
System and network administrators

Prerequisites

No strict prerequisites, but recommended:

- Basic BIG-IP administration knowledge
- F5 Admin certification or course
- Experience with DNS configuration

Required knowledge:

- TCP/IP networking
- Routing and switching
- OSI model
- IP addressing & subnetting
- DNS resolution
- Firewalls and NAT

What You Will Learn

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

- Install and configure BIG-IP DNS
- Optimize DNS resolution performance
- Use DNS cache and DNS Express
- Configure Wide IPs and load balancing
- Implement DNSSEC security
- Use iRules in DNS workflows
- Manage GSLB (Global Server Load Balancing)

Training Outline

Chapter 1: BIG-IP System Setup

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- Licensing and setup
- Network configuration
- NTP and DNS settings
- High availability

Chapter 2: DNS Fundamentals

- DNS architecture
- Name resolution process
- BIG-IP DNS integration

Chapter 3: DNS Acceleration

- DNS cache & DNS Express
- Listener configuration
- DNS load balancing

Chapter 4: Intelligent DNS Routing

- Wide IPs and pools
- Data center configuration
- iQuery communication

Chapter 5: LDNS Metrics

- Probe types
- Performance metrics

Chapter 6: Load Balancing Methods

- Static & dynamic methods
- Round Robin, Ratio, QoS
- Topology-based routing

Chapter 7: Monitoring

- Monitors configuration
- Best practices

Chapter 8: Advanced Topics

- DNSSEC
- iRules
- Sync groups

Chapter 9–10: Projects & Certification

- Final labs
- Certification path