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Configuring BIG-IP DNS (formerly GTM)

CODE: **LENGTH:**   **PRICE:**

F5N_BIG-DNS-I   16 Hours (2 dage)   kr 14,900.00

Description

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 management of the BIG-IP DNS system, and includes a combination of lecture, discussion, and hands-on labs.

Major Course Changes since v17.1
The Configuring DNS v14.1 course presents much of the same content as v13, with very minor additions including an explanation of the new EDNS0 feature.

Objectives

• Provision the BIG-IP system for operation
• Back up the BIG-IP system configuration for safekeeping
• Describe how the Domain Name System (DNS) resolves host names into IP addresses
• Describe how the BIG-IP DNS system can participate in the DNS resolution process
• Use DNS Express on the BIG-IP DNS system to accelerate DNS resolution
• Cache DNS query responses on BIG-IP DNS to accelerate DNS resolution
• Load balance DNS queries to a pool of DNS servers and monitor pool health
• Configure the key features of the BIG-IP DNS system to perform intelligent DNS resolution
• Describe the LDNS probes used by BIG-IP DNS to support path-based load balancing
• Configure a wide IP pool to use a path load balancing method
• View and confirm DNS resolution behavior using path load balancing methods
• Use static and dynamic load balancing methods to intelligently resolve DNS queries
• Use persistence to effectively return one or more clients to the same virtual server on each query
• Use manual resume to control certain load balancing behavior in the event of an outage
• Configure and use load balancing decision logs to fine-tune and troubleshoot DNS resolution
• Configure monitors on the BIG-IP DNS system in support of DNS resolution
• Configure BIG-IP DNS to participate in the DNSSEC chain of trust
• Configure limit settings on virtual servers, servers, and wide IP pools to temporarily direct client traffic away from resources that may not be performing at certain thresholds of efficiency
• Configure iRules on a wide IP to customize intelligent DNS resolution
• Describe the other wide IP types provided with BIG-IP DNS
• Configure a BIG-IP DNS sync group
• Apply all the principles learned throughout the course to configure a BIG-IP DNS system based on hypothetical specifications

Audience

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

Prerequisites

There are no F5-technology-specific prerequisites for this course: However, completing the following before attending would be helpful for students with limited BIG-IP administration and configuration experience:
Administering BIG-IP instructor-led course
or
F5 Certified BIG-IP Administrator
The following free web-based courses, although optional, will be very helpful for any student with limited BIG-IP administration and configuration experience. These courses are available at F5 University:

Getting Started with BIG-IP web-based training
Getting Started with BIG-IP DNS web-based training
The following general network technology knowledge and experience are recommended before attending any F5 Global Training
Services instructor-led course:
OSI model encapsulation
Routing and switching
Ethernet and ARP
TCP/IP concepts
IP addressing and subnetting
NAT and private IP addressing
Default gateway
Network firewalls
LAN vs. WAN
The following course-specific knowledge and experience is suggested before attending this course:
DNS resolution process
Experience configuring DNS content and resolution servers
DNSSEC
Need more information - please go to F5 webpage under "Education"

Session Dates

På anmodning. Kontakt os venligst

Yderligere Information

Denne træning er også tilgængelig som træning på stedet. Kontakt os for at finde ud af mere.