

CORE NETWORKING CLASSES

GET TRAINING BY INDUSTRY EXPERT AND CERTIFIED TRAINERS





OVERVIEW

TRAINING TYPE ONLINE

COURSE DURATION 10 HOURS

NO OF HOURS 2 HOURS/DAY

CERTIFICATE F5 GTM 302

SKILL LEVEL INTERMEDIATE

STUDY MATERIAL YES

BATCHES AVAILABLE WEEKDAYS/WEEKENDS

BE EXPERT



BIG IP F5 GTM

START YOUR
LEARNING WITH
CORE
NETWORKING
CLASSES



COURSE CONTENT

O INSTALLATION

- 1.1 BIG-IP Global Traffic Manager Overview
- 1.2 Licensing and the Setup Utility
- 1.3 NTP Servers.
- 1.4 Installation and Setup Labs

Lab - Changing the Initial IP Address

Lab – Licensing the System

Lab - Setup Utility

Lab - Configuration Utility

Lab-Provisioning BIG-IP Module

Lab-Network Configuration

Lab - Command Line Access (SSH

02 DNS OVERVIEW.

- 2.1 The Domain Name System (DNS)
- 2.2 The Name Resolution Process.
- 2.3 BIG-IP DNS resolution decision Flow

- 2.3 DNS Server Options
- 2.3 Identifying Physical Network Components
- 2.3 Identifying Logical Network Components
- 2.4 The GTM Perspective

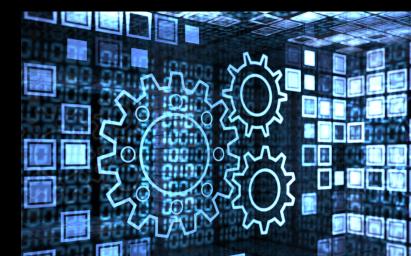
03 CONFIGURATION

- 3.1 Configuring GTM Objects
- 3.2 GTM Listeners
- 3.3 Data Centers
- 3.4 GTM Backup
- 3.5 GTM Systems
- 3.6 Adding LTM Systems
- 3.7 GTM/LTM System Communications
- 3.8 big3d Agent and iQuery
- 3.9 Adding Non-F5 Servers
- 3.10 Links
- 3.11 Pools
- 3.12 Wide IP
- 3.13 Changing Objects Status
- 3.14 DNS Resolution Diagnostic Tools
- 3.15 Accelerating DNS resolution process with DNS cache
- 3.16 Accelerating DNS resolution process with DNS express

04 LOAD BALANCING.

BE EXPERT IN BIG IP F5 GTM

- 4.1 Load Balancing Overview
- 4.2 Static Load Balancing Modes.
- 4.3 Dynamic Load Balancing Modes
- 4.4 Configuring Load Balancing.
- 4.5 Load Balancing Labs
- Lab Round Robin
- Lab Dynamic Persistance.
- Lab Static Persistence
- Lab Ratio Load Balancing.
- Lab Global Availability Load Balancing
- 4.6 Manual Resume
- Lab Manual Resume
- 4.7 Topology Load Balancing
- Lab Topology Load-Balancing





O5 Monitors

- 5.1 Metric Gathering Overview
- 5.2 Monitor Types
- 5.3 Monitor Configuration
- 5.4 Monitor Assignment
- 5.5 Monitor Status Reporting

06 LDNS Probes

• Lab –LDNS probe configuration

O7 ZoneRunner

• Lab –Zone Configuration

08 Logs and Notification.

- 8.1 System Log Configuration.
- 8.2 Log Files
- 8.3 Remote Syslog Notification.
- 8.4 LCD Notification.
- 8.5 SNMP Notification
- Lab SNMP Trap

09 Advanced Topics

- 9.1 Dynamic Ratio
- 9.2 Limits and Thresholds
- 9.3 Additional Pool Variables
- 9.4 Topology Load Balancing
- Lab Topology Load Balancing
- 9.5 GTM iRules
- Lab iRules
- 9.6 Synchronization Groups.
- Lab Synchronization
- 9.7 Implementing DNSSEC
- 9.8 DNS64

10 Configuration files, logs and notifications

- 10.1 configuration state
- 10.2 configuration file
- 10.3 BIG-IP system logging
- 10.4 GTM log Files
- 10.5 SMTP Features

