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

GLOBAL TRAFFIC MANAGER

BIG IP F5 GTM

START YOUR LEARNING WITH CORE NETWORKING CLASSES

COURSE CONTENT

01 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

05 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

07 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