

BIG-IP LTM v10.2 Essentials

Installation and Initial Access

- BIG-IP Local Traffic Manager Overview
- Licensing, Provisioning & the Setup Utility
- Installation and Setup Labs
- Lab -Changing Initial IP Address
- Lab -Licensing the System and Provisioning
- Lab -Setup Utility
- Lab -Configuration Utility
- Lab -Configuration Backup
- BIG-IP Hardware Platforms
- Switch Card Control Processor (SCCP) and Always On Management (AOM)
- Lab -SCCP / AOM IP Address Configuration

Load Balancing

- Virtual Servers and Pools
- Configuring Virtual Servers and Pools
- Lab -Virtual Servers and Pools
- Network Map
- Load Balancing Modes
- Configuring Load Balancing
- Labs -Load Balancing

Monitors

- Monitor Concepts
- Monitor Configuration
- Monitor Assignment

- Monitor Status Reporting
- Lab -Monitors for Nodes
- Labs -Monitors for Pools and Members

Profiles

- Profiles
- Profile Types and Dependencies
- Common Protocol Profile Types and Settings
- Configuring and Using Profiles

Persistence

- Persistence Concepts
- Source Address Persistence
- Lab -Source Address Persistence
- Cookie Persistence
- Lab -Cookie Persistence
- Object Management
- Lab -Disabled Members

Processing SSL Traffic

- SSL Termination/Initiation
- SSL Profile Configuration
- Lab -Client SSL
- Lab -Client and Server SSL (Optional)

Lab Project

- Configuration Project
- Lab -Configuration Project

- Review Questions -Modules 1 to 6

NATs and SNATs

- Network Address Translation (NAT)
- Lab -Configuring a NAT
- Secure Network Address Translation (SNAT)
- Labs -SNAT Labs

iRules

- Rules Concepts
- iRules Events
- Configuring iRules
- Labs -iRules Lab #1
- Labs -iRules Lab #2

Installation of a Redundant Pair

- Redundant Pair Concepts
- Synchronization State and Failover
- Lab -Redundant Pair Setup
- Lab -Synchronization
- Redundant Pair Communication
- Upgrading the BIG-IP System

High Availability

- Fail-over Triggers
- Fail-over Trigger Configuration
- Lab -Failover Triggers
- Failover Detection

- Lab -Network Failover
- Stateful Fail-over
- Lab -Connection Mirroring
- Lab -Persistence Mirroring
- MAC Masquerading
- Optional Lab -MAC Masquerading

Maintaining BIG-IP LTM

- F5 Support Resources and Tools
- Documentation for Support
- Next Steps and Review Questions
- Optional Lab -F5 Resources
- Optional Labs -BIG-IP iHealth

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- Optional Labs -BIG-IP iHealth

Appendix A -Installation

- Pre-Installation Information
- Installation Worksheet
- V10.x Installation options
- Optional Lab -V10.x Re-Install

Appendix B -New Features

- New Feature summary for Version 10.2.0
- New Feature summary for Version 10.1.0
- New Feature summary for Version 10.0.0
- New Features for Version 9.4.X

Appendix C - Additional Topics

- Tcpdump
- Recovering Corrupted Passwords

Appendix D - HTTP Basics

- Requests and Responses
- HTTP Headers