

F5-TRG-BIQ-CFG

Configuring BIG-IQ

Overview

This course uses lectures and hands-on exercises to give participants real-time experience in configuring and using the BIG-IQ® product. Students are introduced to BIG-IQ, its interface, and its various functionality. We first look at administering and operating the BIG-IQ system itself, then detail how it is used to remotely manage BIG-IP devices running BIG-IP Local Traffic Manager (LTM). We then look configuring a BIG-IQ Data Collection Device (DCD) system and see how it is used for the remote storage and examination of BIG-IP log events and statistics.

Course Length

2 days

Course Topics

- The installation and setup of the BIG-IQ system
- An overview of the BIG-IQ product set and its approach to managing BIG-IP devices.
- Administering the BIG-IQ system and its facilities
- Managing BIG-IP LTM devices through their discovery and the subsequent central control and deployment of product objects used on these devices
- BIG-IQ and managed BIG-IP device troubleshooting steps
- BIG-IQ and managed BIG-IP device monitoring and reporting facilities
- The installation and setup of a BIG-IQ Data Collection Device (DCD)
- Logging and examining BIG-IP LTM events via the BIG-IQ DCD

Audience

This course is intended for system and network administrators or operators responsible for the installation, setup, configuration, and administration of the BIG-IQ system or management of BIG-IP devices and F5 products running on those devices.

Prerequisites

Students must complete one of the following F5 prerequisites before attending this course:

- Administering BIG-IP instructor-led course
-or-
- F5 Certified BIG-IP Administrator

The following free web-based training 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
- Getting Started with BIG-IP Local Traffic Manager (LTM)

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
- Network firewalls
- LAN vs. WAN
- HTTP Protocol
- Security and Authentication

Course Outline

- BIG-IQ Overview
 - BIG-IQ Centralized Management
 - BIG-IQ Approach
 - BIG-IQ Core Functionality
 - REST API
 - BIG-IQ Data Collection Device (DCD)
 - BIG-IP Cloud Edition (CE)
 - Setting Up the BIG-IQ System
- Administering the BIG-IQ System
 - Controlling Access to the BIG-IQ
 - Creating, Authenticating, Configuring Users and their Roles
 - System Backups



- Configuring DNS, NTP, and SMTP
- Monitoring BIG-IQ, DCD, and BIG-IP Events and Alerts
- Monitoring BIG-IQ with iHealth
- Post Installation Issues; Licensing, Changing Management IP, Master Key, Restoring Backups
- Managing BIG-IP LTM Devices
 - BIG-IP LTM Device Discovery
 - BIG-IP Device Backup
 - Deploying to BIG-IP Devices, Various Methods and Logs
 - BIG-IQ Configuration Snapshots
 - Managing BIG-IP Certificates
 - Managing BIG-IP Licenses
 - Monitoring BIG-IP Devices with iHealth
 - Management of QKView Reports from Managed BIG-IP Devices
- Setting Up the BIG-IQ Data Collection Device
- Custom Role Types and Groups
 - Setting up User Accounts with custom roles and privileges
- Managing BIG-IP DSC
 - Discovery and management of BIG-IP Device Clusters (DSC) with BIG-IQ
- Administering BIG-IQ High Availability
 - Configuration and management of BIG-IQ systems in High Availability pair