Training: F5
Administering rSeries/F5OS

TRAINING GOALS:

Gain a functional understanding of the major components in the F5 rSeries platform family. Review differences among rSeries, iSeries, and VIPRION platforms. Initially configure F5OS layer settings and system networking settings, and create user accounts. Backup and restore F5OS configuration data. Create a BIG-IP tenant on F5OS-A and create traffic processing objects. Archive BIG-IP tenant configuration and restore it using a UCS file. Practice basic rSeries troubleshooting using basic rSeries commands, QKViews, logging, and tcpdump output. Finally, configure BIG-IP tenant high availability which includes establishing Device Trust and a Sync-Failover Device Group, synchronizing configuration data, and testing failover.

Audience

This course is intended for network administrators, operators, and engineers responsible for managing the normal day-to-day operation and administration of the rSeries system hardware and BIG-IP application delivery network. This course presents the prerequisite knowledge for many other of F5's rSeries and BIG-IP instructor-led training courses.

CONSPECT:

- Chapter 1: Introducing rSeries (Overview)
  - Introducing Different Models and Major Components
  - Key Concepts: F5OS-A and Tenants
  - rSeries Software Management Domains
  - rSeries Naming Convention
  - Licensing and Dashboard
- Chapter 2: Comparing rSeries to iSeries and VELOS
  - Comparing rSeries with Viprion and iSeries
  - Comparing Velos and rSeries
- Chapter 3: Setting Up rSeries and F5OS Appliance
  - Initial Setup
  - Initial System Networking
  - Initial User Account Creation

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- Chapter 4: Managing Tenants
  - Managing BIG-IP Tenants
  - BIG-IP Tenant Backup and Restore Operations
- Chapter 5: Basic Troubleshooting Tools and Techniques
  - Basic Front LED tatus
  - rSeries QKview
  - rSeries Logging
  - rSeries Packet Captures
  - Viewing and Editing rSeries Logging Configuration in CLI
- Chapter 6: Configure BIG-IP Tenant High Availability (HA)
  - Introducing Device Services Clustering (DSC) and network failover communication
  - Preparing to deploy a DSC configuration
  - Configuring DSC communication
  - Establishing a Device Trust and establishing a Sync-Failover Device Group
  - Synchronizing configuration data
  - Exploring Traffic Groups
  - BIG-IP tenant mirroring

REQUIREMENTS:

The following free Self-Directed Training (SDT) courses, although optional, are helpful for any student with limited BIG-IP administration and configuration experience:

- Getting Started with BIG-IP
- Getting Started with Local Traffic Manager (LTM)

General network technology knowledge and experience are recommended before attending any F5 Global Training Services instructor-led course, including OSI model encapsulation, routing and switching, Ethernet and ARP, TCP/IP concepts, IP addressing and subnetting, NAT and private IP addressing, NAT and private IP addressing, default gateway, network firewalls, and LAN vs. WAN.

Difficulty level



CERTIFICATE:

The participants will obtain certificates signed by F5 (course completion).

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TRAINER:

Certified F5 Networks Trainer

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