

Training: F5  
Administering VELOS/F5OS

## TRAINING GOALS:

Gain a functional understanding of the F5 VELOS platform. Review F5OS platform layers, hardware components, and configuration of system controllers, chassis partitions, and BIG-IP tenants. Differentiate between VELOS and VIPRION in the areas of cabling, blades, chassis partitions, VLANs and LAGs, BIG-IP tenants, and vCMP guest configurations. Configure a VELOS chassis partition, create and modify a BIG-IP tenant, and create system controller and chassis partition backup configuration files. Activate a BIG-IP tenant and create traffic processing objects. Create a BIG-IP backup UCS file and restore it. Practice basic VELOS troubleshooting using basic VELOS system commands, QKviews, logging, and tcpdump output.

### Audience

This course is intended for system and network administrators responsible for installation, setup, configuration, and administration of the F5 VELOS system.

## CONSPECT:

- Introducing VELOS
  - Major components
  - Other components
  - Partitions and tenants
  - VELOS software management domains
  - VELOS naming convention
  - Licensing
- Comparing VELOS to VIPRION
  - How we got here
  - F5OS architecture
- Setting Up VELOS System Controllers
  - System controllers
  - VELOS setup wizard
  - Chassis partitions
- Setting Up VELOS Chassis Partitions

- Port groups, VLANs, LAGs, and interfaces
- Tenant image considerations
- Creating a partner tenant for high availability (HA)
- Managing Tenants
  - BIG-IP tenants
  - Running the Setup Utility
  - Traffic processing objects
  - Backup and restore
- Configuring BIG-IP Tenant High Availability
  - High Availability (HA) overview
  - System settings on primary BIG-IP tenant
  - Partner BIG-IP tenant setup
- Basic VELOS Troubleshooting
  - Troubleshooting tools and techniques
  - QKView introduction
  - VELOS event logging
  - Tcpcmdump output and filtering
  - VELOS system commands

## 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 Networks (course completion).

## TRAINER:

Certified F5 Networks Trainer