

# F5 Certified BIG-IP Administrator (201 TMOS)

This F5 Certified BIG-IP Administrator (201 TMOS) training covers how to configure and manage F5 system and application services as well as troubleshoot and resolve important network issues. Use this TMOS 201 exam prep to pass Exam 201, which is one of two exams needed to earn the F5 Certified BIG-IP Administrator (F5-CA) certification.

[CBT Nuggets course material](#) →

## WEEK 1

### Explain Interface, VLAN, and IP Relationships

152 min.

What is a Trunk?	8
Creating a Trunk	5
Interfaces and VLANs	4
Traffic Graphs	3
Identifying Egress Actions	7
VLANs, Interfaces, Trunks, and Self-IPs oh my!	8
Validation	6

### Determine Expected Traffic Behavior

Introduction	1
Identify Traffic Diverted Due To Persistence	9
Packet Processing Order	5
Virtual Server Processing Order	15
Identify Traffic Diverted Due To Status of Traffic Objects	7
Determine the Egress Source IP Based On Configurations	4
Identify When Connection/Rate Limits Are Reached	9
Validation	5

### Identify Why VSs and Pools Are Not Working

Introduction	1
Virtual Server Types (part 1)	12
Virtual Server Types (part 2)	10
Wildcard Virtual Servers	5
Identify the Current Configured State of a Virtual Server	5
Internal Clients Accessing External Virtual Servers	5

Identify Pool and Member Health and Availability	5
Validation	4

### Identify Conflicting & Misconfigured Profiles

Introduction	1
Big-IP Profiles	8

## WEEK 2

156 min.

Assigning and Creating Profiles	6
Profile Dependencies	3
FTP Profile	3
HTTP Profile	4
SSL Profile	8
Client-side Vs Server-side Profiles	3
Identify Conflicting or Misconfigured Profiles	9
Validation	4

### Managing Resource Utilization

Introduction	1
Control Plane Vs Data Plane	5
Control Plan and Data Plane Resource Utilization	6
Identify CPU Statistics Per Virtual Server	6
Interpret Statistics for Interfaces	10
Determine Disk Utilization	10
Determine Memory Utilization	6
Validation	5

### Identify Network Level Performance Issues

Introduction	1
Packet Captures To Troubleshoot Performance Issues	6
Limitations of Packet Captures	3
TCPdump Advanced Tutorial	11
What Are We Looking For in Packet Captures	13
Identify Why Drops Are Occurring	7
Distinguishing TCP Profiles	6
Validation	5

### Troubleshooting Load Balancing

Introduction	1
Virtual Server Verification	7
Pool and Member Verification	7

## WEEK 3

151 min.

Connection Tables and Statistics	3
Verify Priority Group Activation (PGA)	3
Verify Rate/Connection Limits	5
Action On Service Down	4
Is Our Load Balancing Method A Good Choice	6
Validation	7

### Configure HA and Identify Device Status

Introduction	1
Preparing for High Availability (HA)	7
Creating A Device Trust	6
Configuring High Availability (Active/Standby)	6
HA Status Verification	3

Switch-Over Daemon (SOD)	5
Configure High Availability (Active/Active)	9
Execute Force To Offline Procedures	5
LCD Panel Warning Messages	3
Identify System Status	8
Validation	3

### Analyzing Management Connectivity and Log Files

Introduction	1
Identify Management Connectivity Configuration	14
Troubleshoot Management IP Connectivity	6
Port Lockdown	7
Log File	9
Log File Configuration	2
Troubleshooting Hardware Events	3
Validation	5

### Managing UCS Files and Software Images

Introduction	1
UCS Files	10
Creating UCS Files	6
Restoring From A UCS File	3

## WEEK 4

**151 min.**

Process For Deploying Software To An HA Pair	5
Deploying A New Software Image To An HA Pair	13
Managing Software Images	6
Validation	5

### Managing Modules and Local and Remote Users

Introduction	1
Module Provisioning and Licensing	7
User Accounts and Roles	9
Creating a Password Policy	6
Remote User Accounts	12
Remote Groups	9
Validation	5

### Configuring Supporting Services and Config Sync

Introduction	1
Configure DNS Services	10
Configure NTP Services	10
Configure SNMP Services	15
Configure Syslog Services	3
Config Sync	8
Validation	4

### Managing Persistence Profiles

Introduction	1
Types of Persistence on the Big-IP	10
Source Address Affinity	6
Configuring Source Address Affinity Persistence	5

## WEEK 5

**149 min.**

Cookie Persistence	8
Configuring Cookie Persistence	5
Troubleshooting Persistence	6
Validation	5

## **Managing Profiles and Pools**

Introduction	1
Applying Appropriate Profiles	7
Identify iApp Configured Objects	7
Report Use of iRules	5
Default Pool Configurations	3
Managing Pools	13
Validation	5

## **Using Support Resources**

Introduction	1
Characteristics Of A Support Ticket	11
Licensing Processes	6
Using End User Diagnostics (EUD)	9
QKview Files and iHealth	7
Online Support Resources	7
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## **F5 TMOS Administration Course Review**

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