

BIG-IP Administration Data Plane Concepts (F5CAB2)

This F5CAB2 exam validates your knowledge of BIG-IP data plane concepts like interfaces, traffic behavior, virtual servers, and high availability. After passing, you'll confidently manage and troubleshoot traffic flow, understand key ADC components, and support BIG-IP environments in production networks. This F5 course is one of five exams you need to take in order to earn your F5 Certified Administrator credential.

[CBT Nuggets course material](#) →

WEEK 1

Identify Application and Network Errors

153 min.

HTTP Status Codes - Intro and 1xx	5
HTTP Status Codes - 2xx & 3xx	3
HTTP Status Codes - 4xx	4
HTTP Status Codes - 5xx	2
HTTP Status Codes In Action	3
TCP Communication Closure	5
Possible Reasons for Connection Termination	9
Possible Causes for Failure to Establish a Connection	5
Validation	5

Administering Big-IP Networking

Introduction	1
Exploring One-to-one Mapping of MAC to IP	9
MAC Masquerading	3
How To Acquire Packet Captures	5
Viewing a Packet Capture and Its Content	6
Interpreting Statistics To Show Traffic Flow	3
Front Panel Lights	2
Interpret Ifconfig Output	4
Potential Reasons for OSI Layer 1 Failures	5
Validation	2

Analyzing Traffic Flow

Introduction	1
OSI and Datagrams	2
MAC Addresses	8
Big-IP Traffic Flow as a Proxy	4

Network Address Translation (NAT)	1
Source Network Address Translation (SNAT)	6
Identify Traffic Flow	8
Validation	5

Learning ADC and Big-IP Basics

Introduction	1
Proxies	5
Application Delivery Controller (ADC)	5
The BigIP and It's Modules	12
Module Resource Provisioning	3
Big-IP System Architecture	2
Big-IP Default Settings and Management Access	4
Accessing Big-IP System Management	5

WEEK 2

158 min.

Big-IP Functions and Features	5
Validation	4

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
------------	---

Choosing Virtual Servers & Load Balancing Methods

Introduction	1
L2 and L3 Forwarding Virtual Servers	9
Standard and Performance (Layer 4) Virtual Servers	6
Internet Contact Adaption Protocol (ICAP) and the Big-IP	4
Reviewing Load Balancing Methods	8
Choosing A Load Balancing Method	9
Validation	9

Expanding Our Knowledge of Big-IP

Introduction	1
Common Uses for ICMP	8
Mapping Functionality to the OSI Model	5
Explain the Use of TLS/SSL	11
Explain the Function of a VPN	8
Explaining High Availability (HA) Concepts	15

WEEK 3

3 min.

Reasons for Support Services	1
Validation	2