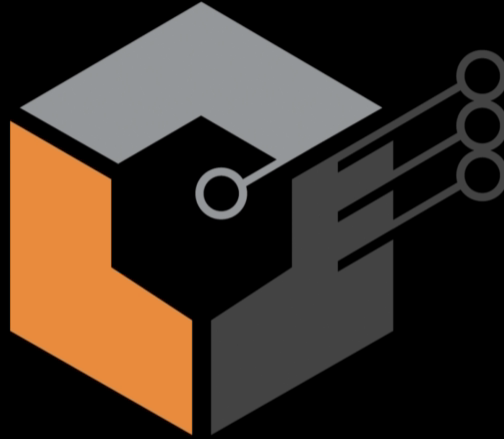


F5 101 Exam Preparation

Introduction



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About the Exam

About the F5 101 – Application Delivery Fundamentals Exam

- First exam required to achieve F5 BIG-IP Certified Administration (F5-CA)
- Also required to achieve new certification track F5 Certified Technical Professional, Sales (F5-CTP, Sales)
- Eligible to take 200 level exams: F5 201 (F5-CA) and F5 202 (F5-CTP, Sales)
- No Pre-requisites
- The exam is based on v13.1
- There are no valid dumps available. Don't waste your money.
- 90-minutes long, 120 minutes for non-native English
- 80 Questions, Multiple choice – Single answer and Multiple answer
- Booking an exam will be this discussed later.

About the Instructor

Dean Armada

- Cisco Certified System Instructor (CCSI) –Data Center, Security and R&S
- F5 Certified Trainer – LTM, GTM/DNS, ASM, APM, AAM
- Other training courses
 - Dell EMC, Pure Storage, Arista, Open Source – Docker, Kubernetes and Security
- International Speaker and Trainer with over 10 years of experience
- Founder of two Community – Cloud & Data Center and DevSecOps ASEAN
- CCIE Security, VCP v6.5, Arista Certified Engineer (ACE-A) and other 40+ Certifications
- F5 Certified Administrator (F5-CA), F5 Certified Technology Specialist (F5-CTS), LTM and GTM
- Big Boxing and MMA Fan and loves beer!
- Connect with me via Linkedin or Subscribe to my YouTube channel

Audience and Expectations

Audience

- Network Engineers
- Aspiring Network Engineers
- Those who are preparing for 101 exam
- Network Analyst
- Web Administrators
- Security Engineer
- Application Security Specialist
- Those who are looking for promotions
- Those who wants to learn new technologies

Course Content

- Based on F5 101 Blueprint
- Lab demonstration
- Practice Exams

Expectations

- 60% White Boarding
- 25% Lab Demonstration
- 15% Slides
- Discussion maybe part of F5 201

Video Presentation

Three Videos

- Camera – Myself
- Tablet – Whiteboard Discussion or Lab Topology
- Monitor – Slide Presentation, CLI or GUI Configuration

Split-Screen / Main

- Focus of the discussion
- In can be whiteboard, slide presentation or configuration demonstration

Split-Screen / Small

- Other videos are still shown
- Reference – Lab Topology or Whiteboard
- Whether I am presenting or doing whiteboard discussion

F5 101 Exam Blueprint

Section 1: Configuration

- Given a scenario, configure VLANs
- Given a scenario, determine switch, router, and application connectivity requirements
- Given a set of requirements, Assign IP addresses
- State the service that ARP Provides
- Given a scenario, establish required routing
- Define ADC application objects

Section 2: Troubleshooting

- Identify application and network errors
- Given a scenario, verify Layer 2 mapping (ARP)
- Given a scenario, verify traffic is arriving at a destination
- Given a scenario, verify Layer 1 connectivity

F5 101 Exam Blueprint

Section 3: Maintenance

- Given a scenario, review basic stats to confirm functionality
- Given a scenario, determine device upgrade eligibility
- Given a scenario, interpret traffic flow
- Given a scenario, interpret service status
- Given a scenario, interpret system health

Section 4: Knowledge

- Explain common uses for ICMP
- Map functionality to OSI Model
- Explain use of TLS/SSL
- Explain the function of a VPN
- Explain high availability (HA) concepts
- Explain reasons for support services (DNS, NTP, syslog, SNMP, etc)

<https://t.me/learningnets>

Part 1: Networking Basics

- Switching Concepts
- IP addressing and Subnetting
- Routing Concepts
- Configuring ADC Networking
- Transport Layer Concepts
- Network Address Translation (NAT)
- Dynamic Host Configuration Protocol (DHCP)

Part 2: Application Delivery Controller (ADC)

- Introduction to Proxy Servers
- ADC Overview
- Load Balancing Technology Concepts
- ADC Features – Monitors, Persistence etc.
- Configuring ADC – Load Balancing, Monitors etc.
- High Availability (HA)

Part 3: Maintaining Application Delivery Controller (ADC)

- Monitoring Overview
- Device Upgrade
- Traffic Flow interpretation
- Understanding ADC services
- Introduction to iHealth

Part 4: Application and Security Technologies

- Hypertext Transfer Protocol (HTTP)
- Transport Layer Security (TLS) / Secured Socket Layer (SSL)
- Virtual Private Network (VPN)
- Domain Name Service (DNS) and Network Time Protocol (NTP)
- Syslog and SNMP

Part 5: Troubleshooting Network and Applications

- Layer 1 connectivity issues
- Layer 2 connectivity issues
- Layer 3 connectivity issues
- Application connection errors
- Troubleshooting HTTP

Part 4: Application and Security Technologies

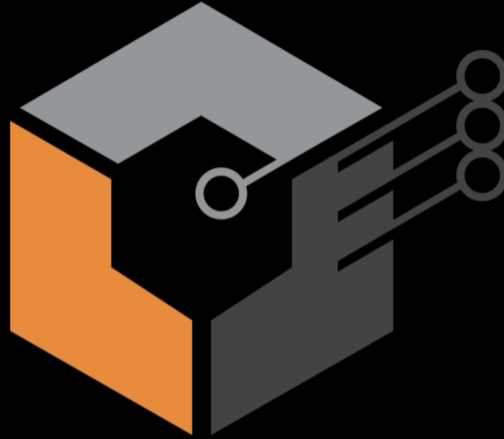
- Hypertext Transfer Protocol (HTTP)
- Transport Layer Security (TLS) / Secured Socket Layer (SSL)
- Virtual Private Network (VPN)
- Domain Name Service (DNS) and Network Time Protocol (NTP)
- Syslog and SNMP

Part 5: Troubleshooting Network and Applications

- Layer 1 connectivity issues
- Layer 2 connectivity issues
- Layer 3 connectivity issues
- HTTP Troubleshooting
- BIG-IP Troubleshooting

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