



F5 Training and Certification

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F5 CERTIFIED BIG-IP ADMINISTRATOR (F5-CA) TRAINING



An F5 Certified BIG-IP Administrator can manage application delivery networks (ADNs) and perform routine management and troubleshooting of F5 Traffic Management Operating System (TMOS) devices. The F5 Certified BIG-IP Administrator (F5-CA) certification is designed for IT professionals who handle day-to-day management of an F5 Application Delivery Network (ADN). The F5-CA serves as the foundation for all of F5's higher-level technical certifications, and validates a candidate's understanding of these topics and skills.

F5 CERTIFIED TECHNICAL SPECIALIST (F5-CTS) TRAINING



The F5 Certified Technical Specialist certification is designed for networking professionals who design, implement, maintain, and troubleshoot enterprise application networks that are built upon advanced F5 product features. F5 Professional Certification validates your expertise in manipulating the entire application stack – from traditional network knowledge all the way to advanced application-layer understanding, with the ability to integrate those two worlds. Candidates may pursue one or more of four F5-CTS specialization tracks:

Local Traffic Manager (LTM) Domain Name System (DNS) Application Security Manager (ASM) Access Policy Manager (APM).

The first two F5-CTS certs (BIG-IP LTM and BIG-IP DNS) are prerequisites to the expert-level F5 Certified Solutions Expert, Cloud certification, while all four are required for the F5 Certified Solutions Expert, Security certification.





Two exams are required to achieve the F5-CA certification: Application Delivery Fundamentals and TMOS Administration. These exams must be taken in numerical order because the TMOS Administration exam takes the Application Delivery exam as a prerequisite. Before sitting for an exam, F5 suggests that candidates acquire a firm understanding of networking concepts and protocols, traffic management concepts and TMOS components, and how to work with virtual servers.

F5-CA EXAM

EXAM 101 – APPLICATION DELIVERY FUNDAMENTALS.

EXAM 201 – TMOS ADMINISTRATION.

Most F5 exams are 90-minutes long, by default the first step in the process is to pass the Exam 101 Application Delivery Fundamentals this is a prerequisite to Exam 201. No certificate is issued when passing this exam. The next step is to pass Exam 201 TMOS Administration (F5-CA) F5 Certified BIG-IP Administrator. After passing this you will be awarded the certificate of F5 Certified Administrator.

PREREQUISITE

Prior to attempting TMOS Administration (Exam 201), candidates must pass Application Delivery Fundamentals (Exam 101). Students should have a basic understanding of network fundamentals, protocols, and common traffic management concepts. The student should also understand the basic concepts of F5 technology as applied to network fundamentals, protocols, and traffic management.

STUDENTS SHOULD HAVE THE FOLLOWING KNOWLEDGE/CAPABILITIES:

- ▶ **BIG-IP administrators**
- ▶ **Network engineers**
- ▶ **Applications engineers**
- ▶ **Individuals responsible for troubleshooting problems associated with their BIG-IP system.**

F5 101-Application Delivery Fundamental

Section 1: Configuration
Section 2: Troubleshooting

Section 3: Maintenance
Section 4: Knowledge

F5 201-TMOS Administration

Section 1: Troubleshoot basic connectivity issues
Section 2: Troubleshoot basic performance issues
Section 3: Administer system configuration
Section 4: Manage existing application delivery services
Section 5: Use support resources

COURSE DETAILS

F5 CERTIFIED TECHNICAL SPECIALIST (F5-CTS) TRAINING

You should be able to design, implement, maintain, optimize, and troubleshoot advanced BIG-IP LTM product features to enhance the effectiveness of an application delivery network. The student should understand the underlying principles of BIG-IP LTM and can integrate specific BIG-IP LTM technologies with other platforms and products.

Candidates may pursue one or more of four

- ▶ F5-CTS specialization tracks:
- ▶ F5-CTS BIG-IP Local Traffic Manager (LTM)
- ▶ F5-CTS BIG-IP Domain Name System (DNS)
- ▶ F5-CTS BIG-IP Application Security Manager (ASM)
- ▶ F5-CTS BIG-IP Access Policy Manager (APM)



Prior to attempting this certification, candidates must earn the F5 Certified BIG-IP Administrator certification.

You should understand:

- ▶ **TCP/IP Addressing and Routing including the Address Resolution Protocol, Direct and Indirect Routing, and TCP Handshakes.**
- ▶ **Command Line Configuration**
- ▶ **Common elements of and differences between WAN and LAN components**
- ▶ **Fundamental programming concepts**

COURSE OUTLINE

Successful completion of IP Rulers instructor-led online or classroom-based course should enhance the student's understanding of how to configure and manage BIG-IP system. The student should learn and get hands-on experience configuring, managing, and monitoring a BIG IP in a lab environment

301A- LTM Technology Specialist



Section 1: Architect and Deploy Applications
Section 2: Set-up, administer, and secure LTM devices

301BIG- LTM Technology Specialist



Section 1: Troubleshoot basic virtual server connectivity issues
Section 2: Identify and resolve application issues
Section 3: Identify and resolve LTM device issues

302 BIG- IP DNS Specialist

- Section 1: Design and Architect
- Section 2: Implement
- Section 3: Test and Troubleshoot
- Section 4: Operations and Support

303 BIG - IP ASM Specialist

- Section 1: Architecture/Design and Policy Creation
- Section 2: Policy Maintenance and Optimization
- Section 3: Review Event Logs and Mitigate Attacks
- Section 4: Troubleshoot

304 BIG - IP APM Specialist

- Section 1: Authentication, Authorization, an Accounting (AAA), Single Sign-On (SSO), Federated Authorization, Mobile Device Management (MDM)
- Section 2: Network and Application Access
- Section 3: Visual Policy Editor
- Section 4: Deploy and Maintain iApps
- Section 5: Administrating and Troubleshooting BIG-IP APM
- Section 6: Security

4.0 Design Cost-Optimized Architectures

- 4.1 Identify cost-effective storage solutions
- 4.2 Identify cost-effective compute and database services
- 4.3 Design cost-optimized network architectures


TRAINER'S PROFILE

- ▶ IP Rulers is managed by an expert team of trainers with over 15 years' experience in the industry and in hands-on training.
- ▶ All the trainers have multiple Certifications in their respective areas of interest.
- ▶ Individual trainers' profiles can be provided upon request by email, along with demos and LinkedIn profiles.
- ▶ Online and classroom demos are also available upon request

BENEFITS

- ▶ Successful completion of the 101-Application Delivery Fundamentals and 201-TMOS ADMINISTRATION exam acknowledges the skills and understanding necessary for day-to-day management of Application Delivery Networks (ADNs).
- ▶ F5 Certified exams are developed to deliver consistently reproducible results that guarantee excellence in those who achieve certification.
- ▶ F5 Certification is a differentiator for you in your career and it's a competitive advantage for your employer.
- ▶ The F5 Certified Professionals program helps you develop career-advancing technical skills and extensive knowledge of F5 products and solutions, including options emphasizing Administration, Sales, Product Specializations, and Solutions including Cloud and Security.
- ▶ The program is progressive, with higher level certifications building on the skills and knowledge demonstrated in previous certifications.



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