



EXAM BLUEPRINT

F5 Certified Administrator, BIG-IP (F5-CA, BIG-IP) Certification Recertification Exam

WHAT IS THE F5 CERTIFIED ADMINISTRATOR RENEWAL EXAM BLUEPRINT?

This is the blueprint for the exam required to *renew* the F5 Certified Administrator, BIG-IP (F5-CA) certification.

ABOUT THIS EXAM:

Successful completion of the BIG-IP Administrator Recertification exam acknowledges the skills and understanding necessary for the day-to-day management of Application Delivery Networks (ADNs) as outlined in the topics listed in the blueprint below.

Note: Candidates who have previously achieved F5-CA, BIG-IP certification are eligible to take the BIG-IP Administrator Recertification exam regardless of when the F5-CA certification was achieved. The renewal exam also applies to all candidates with an inactive and/or expired F5-CA certifications.

Candidates in the F5-CA, BIG-IP certification renewal period will need to take and pass the BIG-IP Administrator Recertification exam to refresh their certification status. Passing the 201 exam is no longer required.

PREREQUISITE:

F5-CA, BIG-IP Certification

CREDENTIAL AWARDED:





BIG-IP Administration Install, Initial Configuration, Upgrade		
Topics		CC*
1.01	Securing BIG-IP	U/A
1.02	Identify management connectivity configurations	U/A
1.03	Explain the processes of licensing, license reactivation, and license modification	U/A
1.04	Apply procedural concepts required to manage software images	U/A
1.05	Identify which modules are licensed and/or provisioned	U/A

BIG-IP Administration Data Plane Concepts		
Topics		CC*
2.01	Explain the relationship between interfaces, trunks, VLANs, self-IPs, routes and their status/statistics	U/A
2.02	Define ADC application objects	R
2.03	Determine expected traffic behavior based on configuration	U/A
2.04	Identify the different virtual server types	R
2.05	Explain high availability (HA) concepts	R

BIG-IP Administration Data Plane Configuration		
Topics		CC*
3.01	Apply procedural concepts required to modify and manage virtual servers	U/A
3.02	Apply procedural concepts required to modify and manage pools	U/A

BIG-IP Administration Data Plane Configuration		
Topics		CC*
4.01	Apply procedural concepts required to manage the state of a high availability pair	U/A

* Cognitive Complexity Key: **R** = Remember, **A/E** = Analyze/Evaluate, **U/A** = Understand/Apply



4.02	Identify management connectivity configurations	U/A
4.03	Identify and report current device status	U/A
4.04	List which log files could be used to find events and/or hardware issues	R
4.05	Apply procedural concepts required to create, manage, and restore a UCS archive	U/A
4.06	Explain authentication methods	U/A
4.07	Identify configured system services	U/A
4.08	Explain config sync	U/A
4.09	Given a scenario, determine device upgrade eligibility	U/A
4.10	Given a scenario, interpret Service status	U/A

BIG-IP Administration Support and Troubleshooting		
Topics		CC*
5.01	Determine resource utilization	U/A
5.02	Identify network level performance issues	U/A
5.03	Identify the reason load balancing is not working as expected	U/A
5.04	Identify the reason a virtual server is not working as expected	U/A
5.05	Identify the reason a pool is not working as expected	U/A
5.06	Given a scenario, review basic stats to confirm functionality	U/A
5.07	Given a scenario, interpret traffic flow	U/A

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Cognitive Complexity Descriptions

Lower Order Thinking Skills



Higher Order Thinking Skills

Remember	Understand/Apply	Analyze/Evaluate	Create
Information retrieval	Knowledge transfer	Critical thinking and reasoning	Innovation or creative thinking
Rote memorization	Comprehension or ability to apply knowledge to a standard process	Determine how parts relate to whole or knowledge integration and application to new situations	Forming an original work product
Retrieve relevant knowledge from long-term memory	Construct meaning from information	Make judgments based on criteria	Combine or reorganize parts to form a new pattern or structure
E.g., recall, retrieve, recognize	E.g., interpret, classify, compare, explain, implement	E.g., troubleshoot, attribute, diagnose, critique	E.g., generate, plan, produce

Alpine Testing Solutions' suggested cognitive complexity levels and associated verb references consider multiple approaches to defining cognitive processing (e.g., Anderson et al., Webb, Bloom, Frisbie). Above material created with assistance from Alpine and distributed with Alpine's permission as an attachment to certification test



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