

F5 F5CAB5 PDF Questions Exam Preparation and Study Guide

Exam B F5 101 100 Questions and Answers 2023-2024 with complete solution

What does HTTP status code 500 mean? - A. Service unavailable
B. Internal server error ###
C. Gateway timeout
D. Bad gateway

An administrator wants to insert per-session data in a users browser so that user requests are directed to the same session.
Which session persistence method should the administrator use? - A. SSL persistence
B. Source address persistence
C. Destination address persistence
D. Cookie persistence ###

An organization needs to protect its data center from layer three-based and layer four-based exploits.
Which F5 product provides this functionality - A. AFM ###
B. ASM
C. GTM
D. APM

In which FTP mode is the server responsible for initiating the data correction back to the client? - A. Protected FTP
B. Active FTP ###
C. Secure FTP
D. Passive FTP

A company deploys F5 load balancers to manage a large number of secure applications. The company manage certificates. Which F5 product provides this functionality? - A. iHealth
B. BIG-IP ###
C. GTM
D. LTM

What are two examples of network layer protocols? (Choose two) - A. ARP ###
B. TCP
C. IPv4
D. BGP
E. ICMP ###

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F5 F5CAB5 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">Identify the reason load balancing is not working as expected: This domain addresses troubleshooting load balancing by analyzing persistence, priority groups, rate limits, health monitor configurations, and availability status.
Topic 2	<ul style="list-style-type: none">Identify network level performance issues: This section focuses on diagnosing network problems including packet capture needs, interface availability, packet drops, speed and duplex settings, and TCP profile optimization.

Topic 3	<ul style="list-style-type: none"> Given a scenario, review basic stats to confirm functionality: This section involves interpreting traffic object statistics and network configuration statistics to validate system functionality.
Topic 4	<ul style="list-style-type: none"> Given a scenario, interpret traffic flow: This domain covers understanding traffic patterns through client-server communication analysis and interpreting traffic graphs and SNMP results.
Topic 5	<ul style="list-style-type: none"> Identify the reason a virtual server is not working as expected: This section covers diagnosing virtual server issues including availability status, profile conflicts and misconfigurations, and incorrect IP addresses or ports.
Topic 6	<ul style="list-style-type: none"> Identify the reason a pool is not working as expected: This domain focuses on troubleshooting pools including health monitor failures, priority group membership, and configured versus availability status of pools and members.

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F5 BIG-IP Administration Support and Troubleshooting Sample Questions (Q64-Q69):

NEW QUESTION # 64

The BIG-IP Administrator is investigating disk utilization on the BIG-IP device. (Exhibit shows /dev/md4 mounted on / at 100% utilization). What should the BIG-IP Administrator check next?

- A. Large files on the / file system
- B. Results from the EUD test
- C. Large files on /usr file system
- D. Results from the platform diagnostics test

Answer: A

Explanation:

Comprehensive and Detailed Explanation From BIG-IP Administration Support and Troubleshooting documents: Monitoring resource utilization is essential for maintaining system stability. If the root (/) file system reaches 100% capacity, the BIG-IP may become unresponsive, fail to save configuration changes, or experience daemon crashes⁸³. When the / partition is full, the immediate troubleshooting step is to identify large or unnecessary files—such as old log files, core dumps, or temporary installer files—located specifically within that file system⁸⁴. In the provided exhibit, /dev/md4 is explicitly listed at 100% usage for the / mount point⁸⁵. Checking other partitions like /usr (which is at 82% in the exhibit) would not resolve the immediate "Full" status of the root directory⁸⁶. Administrators often use the du (disk usage) command via the CLI to find the problematic files. Managing disk space is a proactive task; however, when utilization hits 100%, it becomes a reactive troubleshooting emergency that must be resolved to restore the management plane's functionality.

NEW QUESTION # 65

Some users who connect to a busy Virtual Server have connections reset by the BIG-IP system. Pool member resources are NOT a factor in this behavior. What is a possible cause for this behavior?

- A. The Connection Rate Limit is set too high
- B. The Rewrite Profile has NOT been configured.
- C. The server SSL Profile has NOT been reconfigured.
- D. The Connection Limit is set too low.

Answer: D

Explanation:

When troubleshooting intermittent connection resets on a "busy" Virtual Server, the administrator must examine the configured thresholds. A "Connection Limit" is a hard cap on the number of concurrent connections a Virtual Server or pool member can handle. If this limit is set too low, the BIG-IP will reset any new connection attempts once the threshold is reached. The key indicator in this scenario is that the problem only affects "some users" and happens when the server is "busy," suggesting that the system is hitting a capacity ceiling rather than suffering from a persistent configuration error. Unlike a missing SSL profile, which would likely cause all connections to fail, or a "Connection Rate Limit," which throttles how fast connections arrive, a "Connection Limit" focuses on the total volume. Identifying this as the cause requires reviewing the Virtual Server's statistics to see if the "Current Connections" count is consistently peaking at the configured limit value.

NEW QUESTION # 66

Users report that traffic is negatively affected every time a BIG-IP device fails over. The traffic becomes stabilized after a few minutes. What should the BIG-IP Administrator do to reduce the impact of future failovers?

- A. Set up Failover Method to HA Order
- B. Enable Failover Multicast Configuration
- C. Configure MAC Masquerade
- D. Configure a global SNAT Listener

Answer: C

Explanation:

When a virtual server's traffic flow is disrupted only during failover events and takes several minutes to stabilize, the issue is typically related to the ARP cache on upstream network devices⁴⁷. By default, each BIG-IP in an HA pair uses its own unique hardware MAC address for traffic⁴⁸. When a failover occurs, the new active device takes over the floating IP addresses, but the upstream switch may still have the MAC address of the old device cached⁴⁹. Traffic fails until the switch's ARP entry is updated. "MAC Masquerade" is a troubleshooting feature that assigns a shared, virtual MAC address to the floating traffic group. Regardless of which BIG-IP is currently active, it will use this masqueraded MAC address for all traffic related to that group⁵². Because the MAC address seen by the network never changes during a failover, the upstream devices do not need to relearn ARP entries, resulting in an instantaneous transition and eliminating the performance drop reported by users

NEW QUESTION # 67

A BIG-IP Administrator adds new Pool Members into an existing, highly utilized pool. Soon after, there are reports that the application is failing to load for some users. What pool level setting should the BIG-IP Administrator check?

- A. Action On Service Down
- B. Availability Requirement
- C. Allow SNAT
- D. Slow Ramp Time

Answer: D

Explanation:

When troubleshooting a pool that is not working correctly after adding new members, the "Slow Ramp Time" setting is a primary suspect. In a pool that is already under high load and using a "Least Connections" load balancing method, a newly added server has zero connections. Without a slow ramp time, the BIG-IP will immediately direct a massive flood of new connections to the new server to "balance" it with the others. This "thundering herd" effect can crash a newly initialized application server before it has time to warm up its caches or establish its own database connections. By setting a "Slow Ramp Time" (typically in seconds), the administrator ensures the BIG-IP gradually increases the connection ratio to the new member. This allows the server to stabilize and scale up its performance over time. If users report intermittent failures specifically coinciding with the expansion of a pool, checking this setting is a vital troubleshooting step to maintain pool health during maintenance.

NEW QUESTION # 68

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