

100% Pass Quiz Marvelous F5CAB3 BIG-IP Administration Data Plane Configuration Latest Exam Notes

The screenshot shows the configuration interface for a virtual server named 'VS-DNS'. The 'General Properties' tab is selected, displaying fields for Name (VS-DNS), Partition / Path (Common), Description, Type (Standard), Source Address (192.168.100.0/23), Destination Address/Mask (192.168.21.50), Service Port (53), Notify Status to Virtual Address (checked), Link (None), Availability (Unknown (Enabled) - The children pool member(s) are not available), Syncookie Status (Off), and State (Enabled). The 'Configuration' tab is also visible, showing Protocol (TCP), Protocol Profile (Client) (tcp), and Protocol Profile (Server) ((Use Client Profile)).

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F5 F5CAB3 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">Apply procedural concepts required to modify and manage virtual servers: This domain covers managing virtual servers including applying persistence, encryption, and protocol profiles, identifying iApp objects, reporting iRules, and showing pool configurations.
Topic 2	<ul style="list-style-type: none">Apply procedural concepts required to modify and manage pools: This domain addresses managing server pools including health monitors, load balancing methods, priority groups, and service port configurations.

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F5 BIG-IP Administration Data Plane Configuration Sample Questions (Q60-)

Q65):

NEW QUESTION # 60

A BIG-IP Administrator needs to configure health monitors for a pool containing HTTP, HTTPS, FTP, and SSH services. Which configuration ensures accurate member status?

- A. All monitors with Availability Requirement = all
- **B. All monitors with Availability Requirement = at least one**
- C. HTTP and HTTPS only
- D. ICMP + TCP with all

Answer: B

Explanation:

Using "at least one" ensures each member is marked up based on its relevant service monitor.

NEW QUESTION # 61

Refer to the exhibit.

A BIG-IP Administrator needs to configure health monitors for a newly configured server pool named Pool_B. Which health monitor settings will ensure that all pool members will be accurately marked as available or unavailable? (Choose one answer)

- **A. HTTPS, HTTP, FTP, and SSH with the Availability Requirement of at least one health monitor**
- B. HTTPS, HTTP, FTP, and SSH with the Availability Requirement of all health monitors
- C. HTTPS, HTTP, FTP, and SSH with the Availability Requirement of all health monitors
- D. HTTP, HTTPS, FTP, and ICMP with the Availability Requirement of at least one health monitor

Answer: A

Explanation:

From the exhibit, the pool contains different applications on different service ports (for example, HTTP/80, FTP/21, HTTPS/443, SSH/22). To mark pool members correctly, BIG-IP must be able to verify the actual service running on each member's port.

In BIG-IP Administration: Data Plane Configuration, monitor behavior is described as follows:

- * When multiple monitors are assigned to a pool, the Availability Requirement controls how monitor results are evaluated:
- * At least one = the pool member is marked up if any one of the assigned monitors succeeds.
- * All = the pool member is marked up only if every assigned monitor succeeds.
- * For pools containing members with different services/ports, using All can incorrectly mark members down because monitors intended for other services will fail on the wrong port.

Why C is correct:

- * Assigning HTTPS, HTTP, FTP, and SSH covers the actual services shown in the pool.
- * Setting the Availability Requirement to at least one ensures that each pool member is considered available when its appropriate service monitor succeeds, without being forced to pass unrelated service monitors.

Why the other options are incorrect:

- * A / D (Availability Requirement = all): would cause members to be marked down when unrelated monitors fail (e.g., SSH monitor against an HTTP member).
- * B (includes ICMP): ICMP can indicate the host is reachable even if the application service is down, which does not "accurately" reflect service availability.

Therefore, the best choice is HTTPS, HTTP, FTP, and SSH with Availability Requirement of at least one health monitor.

NEW QUESTION # 62

The BIG-IP Administrator is investigating whether better TCP performance is possible for a virtual server. Which built-in profile should be tried first? (Choose one answer)

- **A. f5-tcp-progressive**
- B. f5-tcp-legacy
- C. No option
- D. f5-tcp-mobile

Answer: A

Explanation:

BIG-IP provides several built-in TCP profiles optimized for different traffic patterns and network conditions.

When attempting to improve general TCP performance, the recommended starting point is f5-tcp-progressive.

According to the BIG-IP Administration: Data Plane Configuration documentation:

- * f5-tcp-progressive is designed as a balanced, general-purpose TCP optimization profile.
- * It dynamically adjusts TCP behavior to improve throughput and latency for most enterprise applications.
- * It is the recommended first-choice profile when tuning TCP performance before moving to more specialized profiles.

Why the other options are incorrect:

- * A. f5-tcp-legacy This profile exists for backward compatibility and does not include modern TCP optimizations.
- * C. f5-tcp-mobile This profile is optimized specifically for high-latency, lossy mobile networks and is not suitable for general-purpose environments.
- * D. No option BIG-IP explicitly provides built-in TCP profiles for performance tuning; using none would forgo optimization opportunities.

Correct Resolution:

The administrator should first apply f5-tcp-progressive to evaluate potential TCP performance improvements before considering more specialized profiles.

NEW QUESTION # 63

A Standard Virtual Server reports poor network performance for Internet-based clients.

What configuration should be applied?

- A. Client TCP: f5-tcp-lan
- B. Client TCP: f5-tcp-wan / Server TCP: f5-tcp-lan
- C. Client TCP: f5-tcp-optimized
- D. Client TCP: f5-tcp-lan / Server TCP: f5-tcp-wan

Answer: B

Explanation:

WAN TCP profiles are optimized for high latency and packet loss typical of Internet clients, while LAN profiles are ideal for backend servers.

NEW QUESTION # 64

Some users who connect to a busy Virtual Server have connections reset by the BIG-IP system. Pool member resources are NOT a factor.

What is a possible cause?

- A. Connection Rate Limit is set too high
- B. Rewrite profile not configured
- C. Connection Limit is set too low
- D. Server SSL profile not reconfigured

Answer: C

Explanation:

When the connection limit is reached, BIG-IP resets new connections, even if pool members are healthy.

NEW QUESTION # 65

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