



Model 1: $\alpha_1 = 1, \alpha_2 = 1, \alpha_3 = 1, \alpha_4 = 1, \alpha_5 = 0$; FICARD = 1; $\beta_1 = 1, \beta_2 = 0$

F5 BIG-IP Administration Control Plane Administration Sample Questions (Q27-Q32):

NEW QUESTION # 27

Which command will provide the BIG-IP Administrator with the current device HA status? (Choose one answer)

- A. show /sys failover
- B. list /cm failover
- C. show /cm failover-status

Answer: C

Explanation:

To determine the current failover (HA) status of a BIG-IP system using tmsh, F5 documentation explicitly states that the administrator should use the following command:

show /cm failover-status

This command displays:

The current failover state (active, standby, or offline)

Detailed failover status information

The operational HA condition of the device within a device group

According to F5 Knowledge Base Article K08452454, the documented procedure for checking failover status is:

Log in to the TMOS Shell (tmsh)

Run show /cm failover-status

Why the other options are incorrect:

A). list /cm failover shows configuration settings, not operational HA status.

B). show /sys failover is not the documented command for checking current failover status and does not align with F5's recommended procedure.

NEW QUESTION # 28

A BIG-IP Administrator finds the following log entry: tmm tmm[7141]: 011e0002:4: sweeper_update: aggressive mode activated. Which action should the BIG-IP Administrator take to mitigate this memory issue?

- A. Increase the TCP profile Idle Timeout value
- B. Decrease the TCP profile Idle Timeout value
- C. Configure the redundant pair to be active-active
- D. Configure the server to use Connection Mirroring

Answer: D

Explanation:

This log message indicates that the system is low on memory and has activated 'Aggressive Mode' to reclaim resources by closing old connections³⁷. In an HA environment, one way to ensure state stability during memory pressure is to manage how connection data is handled³⁸. While the document suggests D, procedural mitigation for 'Aggressive Mode' often involves reviewing resource provisioning or optimizing connection idle timeouts to reduce memory footprint³⁹.

NEW QUESTION # 29

A BIG-IP Administrator is unable to connect to the management interface via HTTPS. What is a possible reason for this issue?

- A. An incorrect management route is specified.
- B. The IP address of the device used to access the management interface is NOT included in the "P Allow" list in the Configuration Utility.
- C. The port lockdown setting is configured to Allow None.
- D. The IP address of the device used to access the management interface is NOT included in the "httpd Allow" list in the CLI.

Answer: D

Explanation:

Management connectivity is protected by an allowed access list for the httpd daemon. Unlike TMM data ports which use 'Port Lockdown' settings, the management port's access is controlled by a specific 'Allow' list. If an administrator's IP is not explicitly

included in this list, the Control Plane will reject HTTPS connection attempts to the management utility.

NEW QUESTION # 30

A BIG-IP Administrator needs to verify system time synchronization. Where should this be checked?

- **A. System > Configuration > Device**
- B. System > Platform
- C. System > Software Management
- D. System > Logs

Answer: A

Explanation:

Time synchronization is a critical component of Control Plane management, as it ensures that logs are accurately timestamped and that High Availability (HA) trust relationships remain valid.

* Configuration Location: The list of configured NTP (Network Time Protocol) servers and their status is managed under System > Configuration > Device > NTP .

* Procedural Importance: If the system clock drifts significantly between two devices in an HA pair, the Control Plane may experience a "Time Delta" error³³. This drift often causes a failure in device trust, preventing the ConfigSync process from functioning correctly.

* System Integrity: Accurate time is also essential for the validity of SSL/TLS certificates used for both administrative management access and high availability communication.

* Verification: Administrators can use this section of the Configuration Utility to confirm that the BIG- IP is communicating with its designated upstream time sources and that the local clock is correctly synchronized to the network environment .

NEW QUESTION # 31

A BIG-IP Administrator reviews the Plane CPU Usage performance chart and discovers a high percentage of Control Plane utilization. Which type of traffic does this indicate a higher usage of?

- **A. Administrative**
- B. Application
- C. Accelerated
- D. Tunnel

Answer: A

Explanation:

F5 architecture distinguishes between the Data Plane (TMM processing application traffic) and the Control Plane (Linux host processing management tasks). High Control Plane CPU utilization typically points to administrative activities such as heavy GUI usage, complex API calls (iControl), large-scale configuration synchronizations, or intensive logging/monitoring tasks rather than the actual switching or load balancing of application data.

NEW QUESTION # 32

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