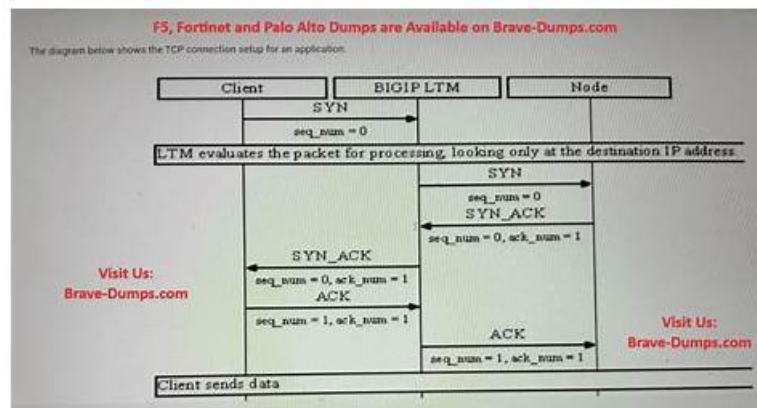


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F5 F5CAB2 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">Explain high availability (HA) concepts: This domain addresses HA concepts including integrity methods, implementation approaches, and advantages of high availability configurations.
Topic 2	<ul style="list-style-type: none">Define ADC application objects: This domain covers ADC basics including application objects, load balancing methods, server selection, and key ADC features and benefits.
Topic 3	<ul style="list-style-type: none">Identify the different virtual server types: This domain covers BIG-IP virtual server types: Standard, Forwarding, Stateless, Reject, Performance Layer 4, and Performance HTTP.
Topic 4	<ul style="list-style-type: none">Explain the relationship between interfaces, trunks, VLANs, self-IPs, routes and their statusstatistics: This domain covers BIG-IP networking components including interfaces, trunks, VLANs, self-IPs, and routes, their dependencies and status, plus predicting traffic paths and egress IPs.
Topic 5	<ul style="list-style-type: none">Determine expected traffic behavior based on configuration: This domain focuses on predicting traffic behavior based on persistence, processing order, object status, egress IPs, and connectionrate limits.

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New Reliable F5CAB2 Exam Materials | High-quality F5CAB2 Test Questions Answers: BIG-IP Administration Data Plane Concepts (F5CAB2)

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F5 BIG-IP Administration Data Plane Concepts (F5CAB2) Sample Questions (Q28-Q33):

NEW QUESTION # 28

A BIG-IP Administrator has a cluster of devices.

What should the administrator do after creating a new Virtual Server on device 1? (Choose one answer)

- A. Synchronize the settings of the group to device 1
- B. Create a new cluster on device 1
- **C. Synchronize the settings of device 1 to the group**
- D. Create a new virtual server on device 2

Answer: C

Explanation:

In a BIG-IP device service cluster, configuration objects such as virtual servers, pools, profiles, and iRules are maintained through configuration synchronization (config-sync).

Key BIG-IP concepts involved:

* Device Service Cluster (DSC) A cluster is a group of BIG-IP devices that share configuration data. One device is typically used to make changes, which are then synchronized to the rest of the group.

* Config-Sync Direction Matters

* Changes are made on a local device

* Those changes must be pushed to the group

* The correct operation is "Sync Device to Group"

Why C is correct:

* The virtual server was created only on device 1

* Other devices in the cluster do not yet have this object

* To propagate the new virtual server to all cluster members, the administrator must synchronize device 1 to the group

Why the other options are incorrect:

* A. Synchronize the settings of the group to device 1 This would overwrite device 1's configuration with the group's existing configuration and may remove the newly created virtual server.

* B. Create a new cluster on device 1 The cluster already exists. Creating a new cluster is unnecessary and disruptive.

* D. Create a new virtual server on device 2 This defeats the purpose of centralized configuration management and risks configuration drift.

Conclusion:

After creating a new virtual server on a BIG-IP device that is part of a cluster, the administrator must synchronize the configuration from that device to the group so all devices share the same ADC application objects.

NEW QUESTION # 29

A standard virtual server has been associated with a pool with multiple members. Assuming all other settings are left at their defaults, which statement is always true concerning traffic processed by the virtual server?

- A. The server IP address is unchanged between the client side connection and the serverside connection.
- **B. The client IP address is unchanged between the client side connection and the serverside connection.**
- C. The IP addresses used in the clientside connection are the same as the IP addresses used in the serverside connection.
- D. The TCP ports used in the client side connection are the same as the TCP ports serverside connection.

Answer: B

NEW QUESTION # 30

Refer to the exhibit above.

■

A BIG-IP pool is configured with Priority Group Activation = Less than 2 available members. The pool members have different priority groups and availability states. Which pool members are receiving traffic?

(Choose one answer)

- **A. serv1, serv3, serv4**
- B. serv1
- C. serv1, serv2, serv3, serv4
- D. serv1, serv3

Answer: A

Explanation:

This question tests understanding of Priority Group Activation (PGA) and how BIG-IP determines which pool members are eligible to receive traffic.

Key BIG-IP Priority Group Concepts:

- * Higher priority group numbers = higher priority
- * BIG-IP will only send traffic to the highest priority group that meets the Priority Group Activation condition
- * Lower priority groups are activated only when the condition is met
- * Only available (green) members count toward the activation threshold

Configuration from the Exhibit:

- * Priority Group Activation: Less than 2 available members

*** Pool Members and Status:**

Pool Member

Priority Group

Status

serv1

2

Active (available)

serv2

2

Inactive (down)

serv3

1

Active (available)

serv4

1

Active (available)

Step-by-Step Traffic Decision:

- * BIG-IP first evaluates the highest priority group (Priority Group 2)
- * Priority Group 2 has:
 - * serv1 # available
 - * serv2 # unavailable
- * Total available members = 1
- * Activation rule is Less than 2 available members
- * Condition is true ($1 < 2$)
- * BIG-IP activates the next lower priority group (Priority Group 1)
- * Traffic is now sent to:
 - * serv1 (Priority Group 2)
 - * serv3 and serv4 (Priority Group 1)

Final Result:

Traffic is distributed to serv1, serv3, and serv4

Why the Other Options Are Incorrect:

- * A - Ignores activation of the lower priority group
- * B - serv4 is also active and eligible
- * C - serv2 is down and cannot receive traffic

Key Data Plane Concept Reinforced:

Priority Group Activation controls when lower-priority pool members are allowed to receive traffic, based strictly on the number of available members in the higher-priority group. In this case, the failure of one high-priority member caused BIG-IP to expand traffic distribution to lower-priority members to maintain availability.

NEW QUESTION # 31

A virtual server is listening at 10.10.1.100:any and has the following iRule associated with it:

```
when CLIENT_ACCEPTED { if {[TCP::local_port] equals 21 } { pool
```

```
ftppool } elseif {[TCP::local_port] equals 23 } { pool telnetpool }
```

If a user connects to 10.10.1.100 and port 22, which pool will receive the request?

- A. ftpool
- B. None. The request will be dropped.
- C. telnetpool

- D. Unknown. The pool cannot be determined from the information provided.

Answer: D

NEW QUESTION # 32

Refer to the exhibit.

■

The BIG-IP Administrator needs to avoid overloading any of the pool members with connections when they become active. What should the BIG-IP Administrator configure to meet this requirement? (Choose one answer)

- A. Same Priority Group to each member
- B. Different Ratio for each member
- C. Slow Ramp Time to the Pool
- D. Action On Service Down to Reselect

Answer: C

Explanation:

This question focuses on connection behavior when pool members transition from down to up, which is a classic data plane consideration in BIG-IP environments.

What problem is being solved?

When a pool member:

- * Recovers from a failure
- * Is enabled after maintenance
- * Transitions from inactive to active

...it can suddenly receive a large burst of new connections, especially when using load-balancing methods such as Least Connections. This sudden surge can overload the server.

Why Slow Ramp Time is the correct solution:

Slow Ramp Time is a pool-level setting that:

- * Gradually increases the number of connections sent to a newly available pool member
- * Prevents sudden spikes in traffic
- * Allows the server to warm up (application cache, JVM, DB connections, etc.) From BIG-IP Administration Data Plane Concepts:
- * Slow Ramp Time controls the rate at which BIG-IP increases load to a pool member that has just become available
- * During the ramp period, BIG-IP artificially increases the member's connection count, making it appear "busier" and therefore less attractive for new connections

This directly satisfies the requirement to avoid overloading pool members when they become active.

Why the Other Options Are Incorrect:

- * B. Different Ratio for each member
- * Ratios control relative distribution under normal operation
- * They do not prevent a sudden surge when a member becomes active
- * C. Action On Service Down to Reselect
- * Controls persistence behavior when a member goes down
- * Has no impact on connection ramp-up when a member comes back online
- * D. Same Priority Group to each member
- * Affects failover logic between priority groups
- * Does not control connection rate or ramp-up behavior

Key Data Plane Concept Reinforced:

To protect backend servers during recovery events, BIG-IP provides Slow Ramp Time, ensuring graceful reintroduction of traffic and preventing connection storms that can occur during high-load scenarios.

NEW QUESTION # 33

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