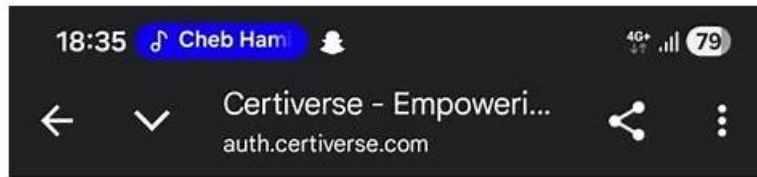


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Score Report



F5CAB2 - BIG-IP Administration Data
Plane Concepts

Exam Score Report

Date Tested: 1/3/2026

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F5 F5CAB2 Exam Syllabus Topics:

| Topic | Details |
|---------|---|
| Topic 1 | <ul style="list-style-type: none"> • their status • statistics: 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 2 | <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 3 | <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 connection • rate limits. |
| Topic 4 | <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 5 | <ul style="list-style-type: none"> • Explain the relationship between interfaces, trunks, VLANs, self-IPs, routes and |

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F5 BIG-IP Administration Data Plane Concepts (F5CAB2) Sample Questions (Q44-Q49):

NEW QUESTION # 44

Which event is always triggered when a client initially connects to a virtual server configured with an HTTP profile?

- A. CLIENT_DATA
- B. HTTP_REQUEST
- C. HTTP_DATA
- **D. CLIENT_ACCEPTED**

Answer: D

NEW QUESTION # 45

Which virtual server type is being configured in the screenshot? (Choose one answer.)

- A. Forwarding IP
- B. Standard
- **C. Performance Layer 4**

Answer: C

Explanation:

The configuration shown matches a Performance Layer 4 virtual server because it is explicitly using a FastL4 profile:

* The screenshot shows Protocol: TCP and Protocol Profile (Client): fastL4. In BIG-IP data plane terms, FastL4 is the hallmark of a Performance (Layer 4) virtual server, designed to process connections at Layer 4 with minimal overhead (high throughput/low latency) compared to full proxy L7 processing.

* The screenshot also shows HTTP Profile (Client): None (and HTTP server profile effectively not in use). A Standard virtual server commonly uses full-proxy features and frequently includes L7 profiles (like HTTP) when doing HTTP-aware load balancing, header manipulation, cookie persistence, etc. In contrast, a Performance L4 virtual server typically does not use an HTTP profile because it is not doing HTTP-aware (Layer 7) processing.

* It is not a Forwarding IP virtual server: A Forwarding (IP) virtual server is used to route/forward packets (often without load balancing to pool members in the same way as Standard/Performance VS) and is selected by choosing a forwarding type. The presence of a TCP protocol with a FastL4 client profile aligns with a Layer 4 load-balancing style virtual server, not a packet-forwarding virtual server type.

Conclusion: Because the configuration is TCP-based and explicitly uses fastL4 with no HTTP profile, the expected BIG-IP virtual server type is Performance Layer 4 (Option C).

NEW QUESTION # 46

A BIG-IP Administrator is conducting maintenance on one BIG-IP appliance in an HA Pair. Why should the BIG-IP Administrator put the appliance into FORCED-OFFLINE state?

- A. To terminate existing connections to Virtual Servers and prevent the appliance from becoming active
- B. To allow new connections to Virtual Servers and ensure the appliance becomes active
- C. To preserve existing connections to Virtual Servers and reduce the CPU load
- D. To terminate connections to the management IP and decrease persistent connections

Answer: A

Explanation:

The Forced Offline state is a critical administrative tool used during maintenance to ensure a device remains in a non-functional state relative to the traffic group.

* Preventing Active Status: When a device is in "Forced Offline," it is effectively disqualified from the HA election process. Even if the other peer fails, a device in Forced Offline will not become active. This is vital during maintenance (like firmware upgrades or hardware replacement) to prevent an unstable or half-configured device from attempting to process traffic.

* Traffic Termination: Placing a device in Forced Offline triggers the system to stop accepting new connections and, depending on the configuration, can facilitate the termination of existing connections so that the administrator can perform work without the data plane actively utilizing system resources.

* Persistence Handling: Unlike the "Disabled" state, Forced Offline ignores persistence records, ensuring that no new traffic is steered to the device via session affinity.

NEW QUESTION # 47

A virtual server is listening at 10.10.1.100:80 and has the following iRule associated with it:

```
when HTTP_REQUEST { if { [HTTP::header UserAgent] contains "MSIE" }  
{ pool MSIE_pool }  
else { pool Mozilla_pool }
```

If a user connects to `http://10.10.1.100/fo.html` and their browser does not specify a UserAgent, which pool will receive the request?

- A. Mozilla_pool
- B. None. The request will be dropped.
- C. MSIE_pool
- D. Unknown. The pool cannot be determined from the information provided.

Answer: A

NEW QUESTION # 48

A BIG-IP Administrator is informed that traffic on interface 1.1 is expected to increase beyond the maximum bandwidth capacity of the link. There is a single VLAN on the interface.

What should the BIG-IP Administrator do to increase the total available bandwidth? (Choose one answer)

- A. Set the media speed of interface 1.1 manually
- **B. Create a trunk object with two interfaces**
- C. Increase the MTU on the VLAN using interface 1.1
- D. Assign two interfaces to the VLAN

Answer: B

Explanation:

On BIG-IP systems, physical interface bandwidth is fixed by the link speed (for example, 1GbE or 10GbE).

When traffic demand exceeds the capacity of a single interface, BIG-IP provides link aggregation through trunks.

Key concepts involved:

* Interfaces A single physical interface (such as 1.1) is limited to its negotiated link speed. You cannot exceed this capacity through software tuning alone.

* Trunks (Link Aggregation) A trunk combines multiple physical interfaces into a single logical interface.

* BIG-IP supports LACP and static trunks.

* Traffic is distributed across member interfaces, increasing aggregate bandwidth and providing redundancy.

* VLANs are then assigned to the trunk, not directly to individual interfaces.

Why option B is correct:

* Creating a trunk with two interfaces allows BIG-IP to use both physical links simultaneously.

* This increases total available bandwidth (for example, two 10Gb interfaces # up to 20Gb aggregate capacity).

* This is the documented and supported method for scaling bandwidth on BIG-IP.

Why the other options are incorrect:

* A. Increase the MTU MTU changes affect packet size and efficiency, not total bandwidth capacity.

* C. Assign two interfaces to the VLAN BIG-IP does not support assigning a VLAN to multiple interfaces directly. VLANs must be associated with one interface or one trunk.

* D. Set the media speed manually Media speed can only be set up to the physical capability of the interface and connected switch port. It cannot exceed the hardware limit.

Conclusion:

To increase total available bandwidth on BIG-IP when a single interface is insufficient, the administrator must create a trunk object with multiple interfaces and move the VLAN onto the trunk. This aligns directly with BIG-IP data plane design and best practices.

NEW QUESTION # 49

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