

Free PDF Quiz High-quality F5CAB1 - Valid BIG-IP Administration Install, Initial Configuration, and Upgrade Practice Questions



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F5 F5CAB1 Exam Syllabus Topics:

Topic	Details
Topic 1	• BIG IP Administration Install Initial Configuration and Upgrade: This section of the exam measures skills of System Administrators and covers the lifecycle tasks for deploying and maintaining a BIG IP system. It includes installing the platform, performing initial setup, applying licenses, configuring basic networking, and planning and executing software upgrades and hotfixes.
Topic 2	• BIG IP Administration Data Plane Concepts: This section of the exam measures skills of Network Administrators and covers how BIG IP handles application traffic on the data plane. It includes understanding flow of traffic, key data path components, basic concepts of load balancing, and how security and performance features affect user traffic.
Topic 3	• BIG IP Administration Data Plane Configuration: This section of the exam measures skills of System Administrators and covers configuring BIG IP objects that control data plane behavior. It focuses on setting up virtual servers, pools, nodes, monitors, and profiles so that applications are delivered reliably and efficiently according to design requirements.
Topic 4	• BIG IP Administration Support and Troubleshooting: This section of the exam measures skills of Network Administrators and covers identifying and resolving common issues that affect BIG IP operation. It focuses on using logs, statistics, diagnostic tools, and basic troubleshooting methods to restore normal traffic flow and maintain stable application delivery.

Topic 5	• BIG IP Administration Control Plane Administration: This section of the exam measures skills of System Administrators and covers managing the control plane where BIG IP is configured and administered. It includes working with user accounts, roles, device settings, configuration management, and using the graphical interface and command line for daily administrative tasks.
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F5 BIG-IP Administration Install, Initial Configuration, and Upgrade Sample Questions (Q67-Q72):

NEW QUESTION # 67

A BIG-IP Administrator needs to install a HotFix on a standalone BIG-IP device. The device currently has HD1.1 as the Active Boot Location. The administrator has already reactivated the license and created a UCS archive. In which sequence should the administrator perform the remaining steps?

- A. Activate HD1.2, Install base Image in HD1.2, Install HotFix in HD1.2
- B. Install HotFix in HD1.2, Install base Image in HD1.2, Activate HD1.2
- C. Install base Image in HD1.2, Install HotFix in HD1.2, Activate HD1.2
- D. Install HotFix in HD1.1, Reboot the BIG-IP device, Install UCS Archive

Answer: C

Explanation:

When installing a software upgrade with a HotFix on BIG-IP, the correct workflow requires:

- * Install the base TMOS image on an unused boot volume
- * Install the corresponding HotFix on that same boot volume
- * Activate the updated boot volume to boot into the new software

This method ensures:

- * The existing active system (HD1.1) is untouched
- * The upgrade occurs in a new, clean volume (HD1.2)
- * The HotFix applies properly to the same base image
- * The administrator can revert to HD1.1 if issues occur

Option C matches the correct F5 upgrade sequence:

1. Install base image on HD1.2
2. Install HotFix on HD1.2
3. Activate HD1.2

Why the other options are incorrect:

- A). Install HotFix before base image
 - * HotFixes must be applied after the base image; not valid.
- B). Installing a HotFix on the active boot location (HD1.1)
 - * Not recommended and does not use a clean new volume.
 - * Also does not involve installing the base image.
- D). Activating HD1.2 before installing anything
 - * Cannot activate an empty or invalid boot volume.

Thus, Option C is the correct sequence.

NEW QUESTION # 68

A BIG-IP device will be dedicated to functioning as a WAF, requiring only the ASM module to be provisioned.

What provisioning level will ensure that the system allocates all CPU, memory, and disk resources to this module exclusively?

- A. Maximal
- **B. Dedicated**
- C. Nominal
- D. Comprehensive

Answer: B

Explanation:

Provisioning defines how BIG-IP allocates system resources to modules. The provisioning levels include:

- * Dedicated- allocates all CPU, memory, and disk resources to a single module
- * Nominal- standard resource allocation balanced with other modules
- * Minimal- lowest level, used for basic utility needs
- * None- module disabled
- * Comprehensive / Maximal- not valid TMOS provisioning levels

Why "Dedicated" is correct

When a BIG-IP device is intended to run only ASM (Web Application Firewall), the recommended way to maximize performance is to provision the module at Dedicated level.

With ASM: Dedicated:

- * ASM receives the entire hardware capacity
- * No other modules can or should be provisioned
- * This is explicitly recommended when a device is used solely as a WAF platform. Why other options are incorrect B).

Comprehensive / C. Maximal

- * These are not valid provisioning modes in BIG-IP.
- * TMOS supports: Nominal, Minimal, Large (module-specific), and Dedicated.

D). Nominal

- * Shares resources with other modules
- * Does not provide full system performance
- * Not suitable when exclusive resource allocation is required

Thus, Dedicated is the correct provisioning choice.

NEW QUESTION # 69

The BIG-IP Administrator needs to update access to the Configuration Utility to include the 172.28.31.0/24 and 172.28.65.0/24 networks. From the TMOS Shell (tmsh), which command should the BIG-IP Administrator use to complete this task?

- **A. modify /sys httpd allow add { 172.28.31.0/255.255.255.0 172.28.65.0/255.255.255.0 }**
- B. modify /sys httpd allow add { 172.28.31.0 172.28.65.0 }
- C. modify /sys httpd permit add { 172.28.31.0/255.255.255.0 172.28.65.0/255.255.255.0 }

Answer: A

Explanation:

Access to the BIG-IP Configuration Utility (TMUI) is controlled through the /sys httpd allow list.

This list defines which IP addresses or subnets are allowed to connect to the management web interface.

To allow two new subnets--172.28.31.0/24 and 172.28.65.0/24--the administrator must add both subnets to the existing list without removing current entries.

In tmsh, subnet entries must be specified in network/netmask format, for example:

172.28.31.0/255.255.255.0

The correct tmsh command to append these networks is:

modify /sys httpd allow add { 172.28.31.0/255.255.255.0 172.28.65.0/255.255.255.0 }

NEW QUESTION # 70

In order to configure allowed IP addresses for SSH access to a BIG-IP device, the BIG-IP Administrator has issued the commands shown in the exhibit.

Which IP addresses will have SSH access after issuing the shown commands? (Choose two.)

- A. 100.0.1.10

- B. 10.0.0.254
- C. 10.0.0.100
- D. 100.0.0.10
- E. 10.0.0.256

Answer: B,C

Explanation:

The command shown in the exhibit replaces the SSH allow list with 10.0.0.0/24, which permits any address from 10.0.0.1 through 10.0.0.254; 10.0.0.256 is not a valid IPv4 address, and the 100.0.1.10 / 100.0.0.10 addresses are outside that subnet.

NEW QUESTION # 71

The BIG-IP Administrator needs to update access to the Configuration Utility to include the 172.28.31.0/24 and 172.28.65.0/24 networks.

From the TMOS Shell (tmsh), which command should the BIG-IP Administrator use to complete this task?

- A. `modify /sys httpd allow add { 172.28.31.0/255.255.255.0 172.28.65.0/255.255.255.0 }`
- B. `modify /sys httpd allow add { 172.28.31.0 172.28.65.0 }`
- C. `modify /sys httpd permit add { 172.28.31.0/255.255.255.0 172.28.65.0/255.255.255.0 }`

Answer: A

Explanation:

Access to the BIG-IP Configuration Utility (TMUI) is controlled through the `/sys httpd allowlist`.

This list defines which IP addresses or subnets are allowed to connect to the management web interface.

To allow two new subnets- 172.28.31.0/24 and 172.28.65.0/24- the administrator must add both subnets to the existing list without removing current entries.

In tmsh, subnet entries must be specified in network/netmask format, for example:

172.28.31.0/255.255.255.0

The correct tmsh command to append these networks is:

`modify /sys httpd allow add { 172.28.31.0/255.255.255.0 172.28.65.0/255.255.255.0 }` Why the other options are incorrect:

Option B:

* IPs are listed without masks, which is invalid for subnet-based access control.

* The system requires network/netmask format.

Option C:

* The command uses permit instead of allow, which is not a valid attribute of `/sys httpd`.

* The correct keyword must be allow.

Thus, only Option A correctly adds both permitted subnets in the proper tmsh format.

NEW QUESTION # 72

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