

Sample F5CAB4 Questions - F5CAB4 Pdf Version

Probability(Prepared by Jincy A J)

Questions and Answers

1. Given that E and F are events, such that $P(E) = 0.6$, $P(F) = 0.3$ and $P(E \cap F) = 0.2$, find $P(E|F)$ and $P(F|E)$.

Solution:

Given $P(E) = 0.6$, $P(F) = 0.3$ and $P(E \cap F) = 0.2$

We know that by the definition of conditional probability,

$$P(A|B) = \frac{P(A \cap B)}{P(B)}$$

By substituting the values we get

$$\Rightarrow P(E|F) = \frac{P(E \cap F)}{P(F)} = \frac{0.2}{0.3} = \frac{2}{3}$$

$$\text{And } \Rightarrow P(F|E) = \frac{P(E \cap F)}{P(E)} = \frac{0.2}{0.6} = \frac{2}{6} = \frac{1}{3}$$

2. Compute $P(A|B)$, if $P(B) = 0.5$ and $P(A \cap B) = 0.32$

Solution:

Given: $P(B) = 0.5$ and $P(A \cap B) = 0.32$

We know that by definition of conditional probability,

$$P(A|B) = \frac{P(A \cap B)}{P(B)}$$

Now by substituting the values we get

$$\Rightarrow P(A|B) = \frac{0.32}{0.5} = \frac{32}{50} = \frac{16}{25}$$

3. If $P(A) = 0.8$, $P(B) = 0.5$ and $P(B|A) = 0.4$, find
(i) $P(A \cap B)$

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F5 BIG-IP Administration Control Plane Administration Sample Questions (Q63-Q68):

NEW QUESTION # 63

When looking at this BIG-IP prompt: root@virtual-bigip1] Peer Time Out of Sync What does the message indicate? (Choose one answer)

- A. That one of the NTP sources has a skewed clock
- B. That the local time is correct, but the remote time is incorrect
- **C. That there was a time synchronization issue between the BIG-IP device and its peer**
- D. That the peer BIG-IP is unreachable for the device group

Answer: C

Explanation:

Comprehensive and Detailed Explanation From BIG-IP Administration Control Plane Administration documents:

On BIG-IP systems that participate in a Device Service Cluster (DSC), each device compares the remote device's system time to its own system time. If the difference is outside the ConfigSync time threshold (commonly referenced as 3 seconds by default), BIG-IP updates the shell prompt to show "Peer Time Out of Sync", and ConfigSync operations may fail until time is corrected (typically by fixing NTP reachability/configuration, or in some cases adjusting the threshold). (cdn.studio.f5.com) This message is specifically about time drift between peers in the trust domain/DSC-not basic reachability (so B is not what it means), and it does not prove which side is "correct" (so C is too specific). It also doesn't directly mean an NTP source is "skewed" (A can be a cause, but the prompt message itself indicates the peer-to-peer time mismatch condition). (cdn.studio.f5.com)

NEW QUESTION # 64

A BIG-IP Administrator needs to restore a UCS file to an F5 device using the Configuration Utility. Which section of the Configuration Utility should the BIG-IP Administrator access to perform this task?

- A. Local Traffic > Policies
- **B. System > Archives**
- C. System > Configuration
- D. Local Traffic > Virtual Servers

Answer: B

Explanation:

Managing the state of a device often involves restoring configuration backups known as User Configuration Set (UCS) files. These archives contain the full system configuration, including licenses and SSL certificates.

The Control Plane provides a dedicated management area for these files under System > Archives, where administrators can upload, create, and restore configuration snapshots.

NEW QUESTION # 65

A BIG-IP Administrator runs the initial configuration wizard and learns that the NTP servers were invalid.

In which area of the Configuration Utility should the BIG-IP Administrator update the list of configured NTP servers? (Choose one answer)

- A. System > Services
- B. System > Preferences
- **C. System > Configuration**
- D. System > Platform

Answer: C

Explanation:

On a BIG-IP system, NTP (Network Time Protocol) configuration is part of the system-level configuration settings. In the Configuration Utility, NTP servers are configured under the System configuration hierarchy.

The correct navigation path is:

System > Configuration > Device > NTP

This location allows the administrator to:

- * Add, modify, or remove NTP servers
- * Ensure accurate system time synchronization

* Maintain proper time alignment required for features such as ConfigSync, HA failover, logging, and certificate validation. Why the other options are incorrect:

- * A. System> Platform is used for hardware-related settings.
- * B. System> Preferences manages UI and user preferences.
- * C. System> Services controls system daemons and services, not time configuration.

Therefore, the correct answer is D. System> Configuration.

NEW QUESTION # 66

A BIG-IP Administrator needs to update the list of configured NTP servers. In which area of the Configuration Utility should the BIG-IP Administrator perform this update?

- A. System> Services
- B. System> Preferences
- **C. System> Configuration**
- D. System> Platform

Answer: C

Explanation:

Comprehensive and Detailed Explanation From BIG-IP Administration Control Plane Administration documents: NTP (Network Time Protocol) is vital for management connectivity and HA state synchronization. Correct time is required for log timestamping and device trust group communication⁴⁶. To manage these settings, the administrator navigates to System> Configuration, where general system-level services like NTP and DNS are defined to ensure the Control Plane remains synchronized with the network environment.

NEW QUESTION # 67

The BIG-IP Administrator runs the command:

```
netstat -an | grep 443
```

and sees the following output:

```
tcp 0 0.0.0.0:443 0.0.0.0:* LISTEN
```

What does this output indicate about the service on port 443? (Choose one answer)

- A. The service is in a standby state and unable to accept connections.
- **B. The service is actively listening on all interfaces for HTTPS traffic.**
- C. The service indicates no connections to the LISTEN port.
- D. The service is actively listening only on the loopback interface.

Answer: B

Explanation:

In netstat output:

* 0.0.0.0:443 means the service is bound to all available IPv4 interfaces on the system

* LISTEN indicates the service is actively waiting for incoming connection requests.

Therefore, this output confirms that a service (commonly HTTPS/443, such as the BIG-IP Configuration Utility or an application listener) is actively listening on all interfaces, making B the correct answer.

Why the other options are incorrect:

* A would show 127.0.0.1:443 if it were loopback-only.

* C is incorrect because LISTEN explicitly indicates readiness to accept connections.

* D is unrelated; standby state does not affect socket binding shown by netstat.

Hence, the correct answer is B.

NEW QUESTION # 68

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