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Huawei HCIP-Datacom-Core Technology V1.0 Sample Questions (Q527-Q532):

NEW QUESTION # 527

In BGP, Notification messages are used to request peers to resend routing information after routing policies are changed.

- A. TRUE
- B. FALSE

Answer: B

Explanation:

Notification Message Purpose

* BGP Notification messages are used to report errors or terminate a connection. They do not request peers to resend routing information after routing policies are changed.

* Routing updates following policy changes require manual resynchronization, not Notification messages.

HCIP-Datacom-Core Reference

* The purpose and usage of Notification messages are discussed in the BGP operation chapters.

NEW QUESTION # 528

An engineer sets the CAPWAP heartbeat detection interval to 20 of the active link before an active/standby switchover occurs?

- A. 75s
- B. 90s
- C. 20s
- D. 60s

Answer: C

NEW QUESTION # 529

Which of the following statements are false about VRRP timers?(Select all that apply)

- A. $\text{Master_Down} = (3 \times \text{Adver_Interval}) + \text{Skew_Time}$
- B. The default interval for sending VRRP Advertisement packets is 2s.
- C. By default, the VRRP preemption delay is 1s.
- D. $\text{Skew_Time} = (255 - \text{Priority})/255$

Answer: C,D

Explanation:

A is false- The correct formula is: $\text{Skew_Time} = (256 - \text{Priority}) / 256 \times \text{Advertisement_Interval}$.

B is false- By default, the preemption delay is typically 0s, not 1s, meaning a higher-priority backup router can preempt immediately unless configured otherwise.

C is true- The default Advertisement interval in VRRP is 2 seconds.

D is true- The formula $\text{Master_Down_Interval} = 3 \times \text{Advertisement_Interval} + \text{Skew_Time}$ is correct.

Reference from Huawei HCIP-Datacom-Core Technology Study Guide:

"The VRRP Skew_Time is calculated as $(256 - \text{Priority}) / 256 \times \text{Adver_Interval}$. The Master_Down interval includes this Skew_Time to stagger failover." (Chapter: High Availability - Section: VRRP Timer Mechanism)

NEW QUESTION # 530

Route attributes are specific descriptions of routes. BGP route attributes can be classified into four types.

Which of the following are well-known discretionary attributes?

- A. Community
- B. MED
- C. Local-Preference
- D. Atomic_Aggregate

Answer: C,D

Explanation:

Comprehensive and Detailed Step-by-Step Explanation:

1. BGP Attributes Overview:

BGP uses attributes to describe the properties of routes. These attributes are classified into the following categories:

Well-Known Mandatory: Attributes that must be recognized and included in every BGP update. Examples:

AS_PATH, ORIGIN, NEXT_HOP.

Well-Known Discretionary: Attributes that must be recognized but are not required in every BGP update.

Examples: LOCAL_PREF, ATOMIC_AGGREGATE.

Optional Transitive: Attributes that may or may not be recognized, but must be passed along to other BGP peers. Examples: COMMUNITY.

Optional Non-Transitive: Attributes that may or may not be recognized, and are not passed along to other BGP peers. Examples: MED (Multi-Exit Discriminator).

2. Analysis of Each Option:

Option A: Atomic_Aggregate

Correct.

This is a well-known discretionary attribute. It indicates that the advertised route is an aggregate route that summarizes multiple specific routes.

Option B: Local-Preference

Correct.

This is a well-known discretionary attribute. It is used within an AS to prioritize routes, with higher values being preferred.

Option C: Community

Incorrect.

The COMMUNITY attribute is an optional transitive attribute. It is used to tag routes with specific labels to apply routing policies.

Option D: MED (Multi-Exit Discriminator)

Incorrect.

The MED attribute is an optional non-transitive attribute. It is used to influence the choice of the preferred path when there are multiple entry points into an AS.

3. Summary:

Well-Known Discretionary Attributes: Atomic_Aggregate and Local-Preference.

Huawei HCIA-Datacom Study Guide, Chapter "BGP Route Attributes."

RFC 4271: Border Gateway Protocol 4 (BGP-4).

NEW QUESTION # 531

Which of the following message types does BGP include? (Multiple choice)

- A. Update
- B. Hello
- C. Open

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