Your Path to Dell SONiC Certification Success

Understanding Dell SONiC

Dell SONiC is a powerful **network operating system (NOS)** that offers flexibility and scalability for large-scale networking environments. Whether you are looking to enhance your skills or prepare for the certification, understanding SONiC's features is essential. Check out [this resource](#) for more information.

Dive Into SONiC Networking Exam

The **SONiC Networking Exam** is designed to assess your knowledge and proficiency in managing networks using the SONiC platform. Preparing for this exam can be a rewarding experience that opens doors in the networking field. Familiarize yourself with the topics covered in the exam through [this guide](#).

Your SONiC Deployment Guide

A solid **deployment guide** is critical for those planning to implement SONiC in their environments. Focus on best practices and guidelines to ensure a smooth deployment process, which includes hardware compatibility, configuration, and performance tuning.

Essential Dell SONiC Training Resources

To succeed in your **certification journey**, consider enrolling in Dell SONiC training programs. These programs will provide you with valuable insights and hands-on experience, preparing you for both the exam and real-world application.

Common SONiC Exam Questions

While preparing for the exam, candidates often wonder about the types of questions they might encounter. Familiarize yourself with common *SONiC* exam questions, such as:

- What are the key components of SONiC?
- How do you configure a basic SONiC switch?

- What are the advantages of using SONiC in a cloud environment?

Tips for Effective Preparation

To enhance your examination readiness, follow these strategies:

- **Practice regularly:** Engage with *SONiC simulations* and labs.

- **Join study groups:** Collaborate with peers who are also preparing for the exam.

- **Utilize online resources:** Seek out forums and discussions about SONiC.

- **Mock tests:** Take practice exams to assess your knowledge and timing.

Conclusion

Embarking on the path of *Dell SONiC certification* can be both exciting and challenging. With the right preparation, resources, and determination, you can achieve your certification and excel in your networking career. Good luck!

Real Exam Questions 2025

Below given questions are for demo purposes only. **The full version** is up-to-date and contains actual questions and answers.

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Topic 1, Questions Set Misc.

Question: 1

Refer to the exhibit.

```
sonic# show qos wred-policy pfc34
------------------------------------------------
Policy                  : pfc34
------------------------------------------------
ecn                     : ecn_all
green-min-threshold     : 100        KBytes
green-max-threshold     : 1000       KBytes
green-drop-probability  : 90
```

What can be determined from this show command?

A. Traffic below 100 KB is marked as congested

B. ECN is enabled for all colors

C. ECN is enabled for all DSCP values

D. There is a 10% probability that traffic is marked as congested

Answer: B

Explanation:

The output of the command show qos wred-policy pfc34 shows the ECN (Explicit Congestion Notification) configuration for the policy pfc34. The line ecn: ecn_all indicates that ECN is enabled for all traffic classes (all DSCP values). Additionally, the green-min-threshold, green-max-threshold, and green-drop-probability settings are shown, but there is no indication of a 10% probability for marking traffic as

congested. Therefore, the correct answer is B.

Reference:

Dell Enterprise SONiC documentation

Dell Technologies InfoHub

Question: 2

How many port channels can be assigned to a single port?

A. 8

B. 2

C. 4

D. 1

Answer: D

Explanation:

According to the Dell SONiC documentation, a single physical port can be a member of only one port channel at a time. This restriction ensures the consistency and integrity of link aggregation configurations.

Reference:

Dell Networking SONiC: How to Configure Port Channels

Dell Technologies InfoHub

Question: 3

Which two elements must be included in the show mclag interface x x command?

A. Peer-link port channel number

B. MC-LAG domain id

C. MC-LAG port channel number

D. MC-LAG VLAN id

Answer: AC

Explanation:

The show mclag interface command provides information about the multi-chassis link aggregation (MC-LAG) configuration. Essential elements that must be included are the peer-link port channel number and the MC-LAG port channel number. These parameters are critical for identifying the interface and its associated link aggregation settings.

Reference:

Dell SONiC Command Reference Guide

Dell Technologies InfoHub

Question: 4

Which three actions are required to route traffic sourced from voice servers to a dedicated Internet link''

A. Create a class-map and attach an ACL with the IP of the next-hop to it.

B. Create an ACL that selects IPs of voice servers

C. Attach a policy to the egress interface

D. Create a policy-map and attach the configured class-map and set the next-hop IP

E. Create a class-map and attach that ACL.

Answer: BCD

Explanation:

To route traffic from voice servers to a dedicated Internet link, the following steps are necessary:

Create an ACL that selects IPs of voice servers (B): This ACL will match the traffic coming from the specified IP addresses of the voice servers.

Create a policy-map and attach the configured class-map and set the next-hop IP (D): The policy-map will use the class-map to identify the voice server traffic and then set the next-hop IP for routing.

Attach a policy to the egress interface (C): The policy-map must be applied to the egress interface to ensure that the traffic is routed correctly.

Reference:

Dell SONiC QoS Configuration Guide

Dell Technologies InfoHub

Feel free to refer to the Dell SONiC documentation and Dell Technologies InfoHub for more detailed explanations and additional context.

Question: 5

An administrator is installing Enterprise SONIC in ONIE from an HTTP server.

On which interface should the administrator configure the IP?

A. Mgmt1/1/1

B. GiO

C. ethO

D. Eth1/1

Answer: C

Explanation:

When installing Enterprise SONIC from an HTTP server using the Open Network Install Environment (ONIE), the management interface typically used for network installations is eth0. This is the default interface ONIE uses for network connectivity to retrieve installation images and other configuration files.

Reference:

Dell Technologies SONiC documentation

ONIE User Guide

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