



NVIDIA NCP-IB

NVIDIA-Certified Professional AI Networking

Thank You for Downloading NCP-IB Updated Exam Questions

<https://certs4sale.com/NVIDIA/ncp-ib-pdf-exam-dumps>

Version: 4.0

Question: 1

You are configuring an HPC cluster that leverages InfiniBand technology. You aim to achieve optimal performance by fine-tuning Quality of Service (QoS) settings to manage different types of network traffic. Which of the following is the most important factor to consider when configuring QoS for InfiniBand in an HPC environment?

- A: Virtual Lanes (VLs) and Service Levels (SLs)
- B: MAC Address Table Size
- C: Port Mirroring
- D: Spanning Tree Protocol (STP) settings

Answer: A

Question: 2

You are configuring the HCAs in your InfiniBand environment to maximize performance for a high-throughput, low-latency application. Which tuning parameter should you adjust on the HCA to reduce latency without causing packet loss?

- A: Increase the MTU (Maximum Transmission Unit) to its highest supported value.
- B: Decrease the MTU (Maximum Transmission Unit) to minimize the time it takes for small packets to be transmitted.
- C: Adjust the Receive Queue Depth (RQD) to increase the ability to handle incoming traffic bursts. D: Tune the SL (Service Level) to prioritize the application traffic over other traffic.

Answer: C

Question: 3

Your organization is deploying a new InfiniBand-based storage network for real-time data processing. Ensuring high performance is critical, but at the same time, the network must be highly reliable to handle the lossless transmission of large datasets. The environment will scale over time, and both storage and compute traffic will share the same fabric. You must implement a solution that ensures high performance,

traffic?

A: Implement QoS (Quality of Service) to prioritize storage traffic while using Virtual Lanes (VLs) to segregate traffic classes.

B: Separate storage and compute traffic into different physical networks to avoid contention and improve reliability.

C: Enable congestion control and adaptive routing while maintaining high MTU sizes across all nodes.

D: Utilize static routing and disable congestion control to ensure that paths are deterministic for critical data flows.

Answer: C

Question: 4

You are configuring an InfiniBand fabric to optimize high-throughput, low-latency communication for a large- scale HPC cluster. Which advanced InfiniBand feature allows you to ensure traffic prioritization and reduce congestion for critical workloads?

A: Multipathing (MPIO)

B: Adaptive Routing (AR)

C: Credit-Based Flow Control

D: Service Level (SL) to Virtual Lane (VL) Mapping

Answer: D

Question: 5

Which of the following correctly describes the role of the HCA in InfiniBand's connection-oriented (reliable) transport mechanism?

A: HCAs handle flow control and congestion management at the application layer, ensuring no data is lost in transmission.

B: HCAs perform hardware-based packet retransmission at the switch level to ensure reliability in connection-oriented transfers.

C: HCAs are responsible for managing reliable connections through queue pairs (QPs), which enable reliable data transfer between nodes.

D: HCAs manage connection setup and teardown for RDMA, ensuring that each connection is uniquely identified by a Local Identifier (LID).

Answer: C

THANK YOU FOR DOWNLOADING NCP-IB UPDATED EXAM QUESTIONS

Note: Thanks For Trying The Demo Of Our NCP-IB Exam Product

Visit Our Site to Purchase the Full Set of Actual NCP-IB Exam Questions With Answers.

Money Back Guarantee



Click The Link Below

<https://certs4sale.com/NVIDIA/ncp-ib-pdf-exam-dumps>