

2026 NVIDIA Trustable NCP-AIN: NVIDIA-Certified Professional AI Networking Online Version



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To pass the NVIDIA NCP-AIN exam on the first try, candidates need NVIDIA-Certified Professional AI Networking updated practice material. Preparing with real NCP-AIN exam questions is one of the finest strategies for cracking the exam in one go. Students who study with NCP-AIN Real Questions are more prepared for the exam, increasing their chances of succeeding. The NCP-AIN exam preparation calls for a strong preparation and precise NVIDIA NCP-AIN practice material.

NVIDIA NCP-AIN Exam Overview:

Certification Vendor:	NVIDIA
Exam Name:	NVIDIA-Certified Professional AI Networking (NCP-AIN) Exam
Exam Number:	NCP-AIN
Related Certifications:	NVIDIA-Certified Professional AI Infrastructure (NCP-AII) NVIDIA-Certified Professional AI Operations (NCP-AIO)
Certificate Validity Period:	2 years
Passing Score:	Pass/Fail only, no exact score published
Real Exam Qty:	70-75
Available Languages:	English, Chinese
Exam Duration:	120 minutes
Exam Format:	Multiple choice questions, Single/multiple select items
Exam Price:	\$400 USD
Recommended Training:	NVIDIA InfiniBand Essentials NVIDIA Spectrum Networking Training
Exam Registration:	NVIDIA Certification Portal
Sample Questions:	NVIDIA NCP-AIN Sample Questions
Exam Way:	Online remote proctored exam
Pre Condition:	2-3 years of data center operation experience with NVIDIA hardware; ability to deploy and manage AI networking infrastructure supporting AI workloads
Official Syllabus URL:	https://www.nvidia.com/en-us/learn/certification/ai-networking-professional/

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NCP-AIN Latest Learning Material - Real NCP-AIN Torrent

As the rapid development of the world economy and intense competition in the international, the leading status of knowledge-based economy is established progressively. A lot of people are in pursuit of a good job, a NCP-AIN certification, and a higher standard

of life. It is very important for us to keep pace with the changeable world and update our knowledge if we want to get a good job, a higher standard of life and so on. First, we need to get a good NCP-AIN Quiz prep. Because we only pass NCP-AIN exam and get a certificate, we can have the chance to get a decent job and make more money.

NVIDIA NCP-AIN Exam Syllabus Topics:

Topic	Details
Topic 1	• InfiniBand Configuration, Optimization, Security, and Troubleshooting: This section of the exam measures the skills of Data Center Network Administrators and covers the configuration and operational maintenance of NVIDIA InfiniBand switches. It includes setting up InfiniBand fabrics for multi-tenant environments, managing subnet configurations, testing connectivity, and using UFM to troubleshoot and analyze issues. It also focuses on validating rail-optimized topologies for optimal network performance.
Topic 2	• Spectrum-X Configuration, Optimization, Security, and Troubleshooting: This section of the exam measures the skills of Network Performance Engineers and covers configuring, managing, and securing NVIDIA Spectrum-X switches. It includes setting performance baselines, resolving performance issues, and using diagnostic tools such as CloudAI benchmark, NCCL, and NetQ. It also emphasizes leveraging DPUs for network acceleration and using monitoring tools like Grafana and SNMP for telemetry analysis.
Topic 3	• AI Network Architecture: This section of the exam measures the skills of AI Infrastructure Architects and covers the ability to distinguish between AI factory and AI data center architectures. It includes understanding how Ethernet and InfiniBand differ in performance and application, and identifying the right storage options based on speed, scalability, and cost to fit AI networking needs.

NVIDIA-Certified Professional AI Networking Sample Questions (Q89-Q94):

NEW QUESTION # 89

In an AI cluster using NVIDIA GPUs, which configuration parameter in the NicClusterPolicy custom resource is crucial for enabling high-speed GPU-to-GPU communication across nodes?

- A. Secondary Network
- B. OFED Driver
- C. RDMA Shared Device Plugin
- D. NV IPAM

Answer: C

Explanation:

The RDMA Shared Device Plugin is a critical component in the NicClusterPolicy custom resource for enabling Remote Direct Memory Access (RDMA) capabilities in Kubernetes clusters. RDMA allows for high-throughput, low-latency networking, which is essential for efficient GPU-to-GPU communication across nodes in AI workloads. By deploying the RDMA Shared Device Plugin, the cluster can leverage RDMA-enabled network interfaces, facilitating direct memory access between GPUs without involving the CPU, thus optimizing performance.

NEW QUESTION # 90

You are troubleshooting a Spectrum-X network and need to validate the fabric configuration. Which feature of Spectrum-X allows for automated fabric validation?

- A. RoCE Performance Isolation
- B. NVIDIA DOCA
- C. NVIDIA NetQ
- D. RoCE Adaptive Routing

Answer: C

Explanation:

NVIDIA NetQ is a network operations tool that provides real-time visibility and automated validation of the network fabric. It helps

in identifying misconfigurations, monitoring network health, and ensuring that the fabric meets the required specifications for AI workloads.

NEW QUESTION # 91

In order to configure RoCE on a Cumulus switch, which command should be used?

- A. `nv roce qos enable on`
- B. `nv set roce qos enable on`
- C. `nv qos roce enable on`
- D. `nv set qos roce enable on`

Answer: D

Explanation:

To enable RDMA over Converged Ethernet (RoCE) on a Cumulus switch, the correct command is:

`nv set qos roce enable on`

This command configures the Quality of Service (QoS) settings to support RoCE, ensuring that the necessary parameters for lossless Ethernet are applied.

NEW QUESTION # 92

You have recently implemented NVIDIA Spectrum-X in your data center to optimize AI workloads.

You need to verify the performance improvements and create a baseline for future comparisons.

Which tool would be most appropriate for creating performance baseline results in this Spectrum-X environment?

- A. NetQ
- B. CloudAI Benchmark
- C. Ansible
- D. MLNX-OS

Answer: B

Explanation:

The CloudAI Benchmark is designed to evaluate and establish performance baselines in AI- optimized networking environments like NVIDIA Spectrum-X. It assesses various performance metrics, including throughput and latency, ensuring that the network meets the demands of AI workloads. This benchmarking is essential for validating the benefits of Spectrum-X and for ongoing performance monitoring.

NEW QUESTION # 93

What command sequence is used to identify the exact name of the server that runs as the master SM in a multi-node fabric?

- A. `sminfo`
`smpquery NI <LID>`
- B. `ibis`
`ibsim <LID>`
- C. `ibstat`
`sminfo <LID>`
- D. `sminfo`
`smpquery ND <LID>`

Answer: D

Explanation:

To identify the activeSubnet Manager (SM)node in an InfiniBand fabric, the correct command sequence is:

* `sminfo`

* Displays general information about the active SM in the fabric, including itsLID.

* `smpquery ND <LID>`

* Resolves theNode Description (ND)at the given LID, revealing the exact hostname or label of the SM server.

From the InfiniBand Tools Guide:

"The sminfo utility provides the LID of the master SM. Use smquery ND <LID> to resolve the node name hosting the SM." This two-step approach is standard for locating and validating the SM identity in fabric diagnostics.

Incorrect Options:

* B (N) is an invalid query type.

* CanDdo not identify SMs.

Reference: InfiniBand SM Tools - sminfo & smquery Usage

NEW QUESTION # 94

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