

# NCP-AIN認定資格試験問題集 & NCP-AIN参考書内容



BONUS!!! Xhs1991 NCP-AINダンプの一部を無料でダウンロード: <https://drive.google.com/open?id=1FL3zMDC6DIP6-WaNLL1-83pdQ4BOnfu>

何よりも、NVIDIAハイクラスの運用システムを備えているため、NCP-AIN学習教材を使用してNCP-AIN試験の準備を開始できるのは、支払い後わずか5~10分です。第二Xhs1991、NCP-AINテスト問題の新しいバージョンをまとめたら、購入後1年間無料で最新バージョンのNCP-AINトレーニング資料をお客様に送信します。最後になりましたが、世界各地のアフターセールススタッフが、1日24時間、週7日、NCP-AINトレーニングガイドでNVIDIA-Certified Professional AI Networkingアフターサービスを提供します。

## NVIDIA NCP-AIN 認定試験の出題範囲:

トピック	出題範囲
トピック 1	<ul style="list-style-type: none"><li>• 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.</li></ul>
トピック 2	<ul style="list-style-type: none"><li>• 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.</li></ul>
トピック 3	<ul style="list-style-type: none"><li>• 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.</li></ul>

>> NCP-AIN認定資格試験問題集 <<

## ハイパスレートのNCP-AIN認定資格試験問題集一回合格-素敵なNCP-AIN参考書内容

最近のわずかの数年間で、NVIDIAのNCP-AIN認定試験は日常生活でますます大きな影響をもたらすようになりました。将来の重要な問題は、どうやって一回で効果的にNVIDIAのNCP-AIN認定試験に合格することになります。この質問を解決したいのなら、Xhs1991のNVIDIAのNCP-AIN試験トレーニング資料を利用すればいいです。この資料を手に入れたら、一回で試験に合格することができるようになりますから、あなたはまだ何を

持っているのですか。速くXhs1991のNVIDIAのNCP-AIN試験トレーニング資料を買いに行きましょう。

## NVIDIA-Certified Professional AI Networking 認定 NCP-AIN 試験問題 (Q61-Q66):

### 質問 # 61

You are automating the deployment of a Spectrum-X network using Ansible. You need to ensure that the playbooks can handle different switch models and configurations efficiently. Which feature of the NVIDIA NVUE Collection helps simplify the automation by providing pre-built roles for common network configurations?

- A. Collection libraries
- **B. Collection roles**
- C. Collection plugins
- D. Collection modules

正解: B

解説:

The NVIDIA NVUE Collection for Ansible includes pre-built roles designed to streamline automation tasks across various switch models and configurations. These roles encapsulate common network configurations, allowing for efficient and consistent deployment.

By utilizing these roles, network administrators can:

Apply standardized configurations across different devices. Reduce the complexity of playbooks by reusing modular components. Ensure consistency and compliance with organizational policies.

This approach aligns with Ansible best practices, promoting maintainability and scalability in network automation.

### 質問 # 62

Which of the following statements are true about AI workloads and adaptive routing? Pick the 2 correct responses below.

- A. AI workloads have very high entropy that helps spread traffic evenly without congestion.
- **B. AI workloads are made of a small number of volumetric flows called elephant flows.**
- C. ECMP-based load balancing works best for AI workloads.
- **D. Flow-based load balancing mechanisms increase congestion risk.**

正解: B、D

解説:

AI workloads, particularly in large-scale training scenarios, are characterized by a small number of high-bandwidth, long-lived flows known as "elephant flows." These flows can dominate network traffic and are prone to causing congestion if not managed effectively. Traditional flow-based load balancing mechanisms, such as Equal-Cost Multipath (ECMP), distribute traffic based on flow hashes. However, in AI workloads with low entropy (i.e., limited variability in flow characteristics), ECMP can lead to uneven traffic distribution and congestion on certain paths. Adaptive routing techniques, which dynamically adjust paths based on real-time network conditions, are more effective in managing AI traffic patterns and mitigating congestion risks.

### 質問 # 63

You are investigating a performance issue in a Spectrum-X network and suspect there might be congestion problems.

Which component executes the congestion control algorithm in a Spectrum-X environment?

- **A. BlueField-3 SuperNICs**
- B. Spectrum-4 switches
- C. NVIDIA DOCA software
- D. NVIDIA NetQ

正解: A

解説:

In the Spectrum-X architecture, BlueField-3 SuperNICs are responsible for executing the congestion control algorithm. They handle millions of congestion control events per second with microsecond reaction latency, applying fine-grained rate decisions to manage data flow effectively. This ensures optimal network performance by preventing congestion and packet loss.

#### 質問 # 64

How does NVIDIA's AI networking solution contribute to the success of deep learning models?

- A. By providing the necessary high-bandwidth, low-latency infrastructure for fast data transfer
- B. By providing data encryption and privacy for model training
- C. By managing GPU utilization
- D. By generating synthetic training data

正解: A

解説:

NVIDIA's AI networking solutions ensure that deep learning models are trained quickly and efficiently by providing high-bandwidth, low-latency networking for the large data sets required in training.

#### 質問 # 65

You are troubleshooting connectivity issues in your InfiniBand network and need to test basic connectivity between nodes. Which command should you use to test basic connectivity between InfiniBand nodes?

- A. ping
- B. ibping
- C. traceroute
- D. ibnetdiscover

正解: B

解説:

The tool specifically designed for testing InfiniBand connectivity is `ibping`. It functions similarly to the traditional ping utility but is optimized for InfiniBand fabrics.

#### 質問 # 66

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NCP-AINの調査問題には、良い仕事を見つけて迅速に昇進するのに役立つ多くの有用で役立つ知識が含まれています。弊社のNCP-AINテストpdfは上級専門家によって精巧に編集されており、時代の傾向に合わせて頻繁に更新されています。教材を購入する前に、まずウェブ上でNCP-AIN試験実践教材の紹介をご覧ください。または、NCP-AIN試験問題のデモを無料でダウンロードして、品質を確認することもできます。

NCP-AIN参考書内容: <https://www.xls1991.com/NCP-AIN.html>

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