

# 최신버전NCP-AII완벽한인증덤프덤프는NVIDIA AI Infrastructure시험합격의유일한자료



Itcertkr NCP-AII 최신 PDF 버전 시험 문제집을 무료로 Google Drive에서 다운로드하세요: [https://drive.google.com/open?id=1ohDBQsd5saasK8NtwcOgLa\\_oobY6oF4X](https://drive.google.com/open?id=1ohDBQsd5saasK8NtwcOgLa_oobY6oF4X)

NVIDIA인증 NCP-AII시험을 패스하는 지름길은Itcertkr에서 연구제작한 NVIDIA 인증NCP-AII시험대비 덤프를 마련하여 충분한 시험준비를 하는것입니다. 덤프는 NVIDIA 인증NCP-AII시험의 모든 범위가 포함되어 있어 시험적중율이 높습니다. NVIDIA 인증NCP-AII시험패는 바로 눈앞에 있습니다. 링크를 클릭하시고Itcertkr의NVIDIA 인증 NCP-AII시험대비 덤프를 장바구니에 담고 결제마친후 덤프를 받아 공부하는것입니다.

## NVIDIA NCP-AII 시험요강:

주제	소개
주제 1	<ul style="list-style-type: none"> <li>Physical Layer Management: Covers configuring BlueField network platform devices and setting up Multi-Instance GPU (MIG) partitioning for AI and HPC workloads.</li> </ul>
주제 2	<ul style="list-style-type: none"> <li>Cluster Test and Verification: Covers full cluster validation through HPL and NCCL benchmarks, NVLink and fabric bandwidth tests, cable and firmware checks, and burn-in testing using HPL, NCCL, and NeMo.</li> </ul>
주제 3	<ul style="list-style-type: none"> <li>Troubleshoot and Optimize: Covers identifying and replacing faulty hardware components such as GPUs, network cards, and power supplies, along with performance optimization for AMD</li> <li>Intel servers and storage.</li> </ul>
주제 4	<ul style="list-style-type: none"> <li>Control Plane Installation and Configuration: Covers deploying the software stack including Base Command Manager, OS, Slurm</li> <li>Enroot</li> <li>Pyxis, NVIDIA GPU and DOCA drivers, container toolkit, and NGC CLI.</li> </ul>
주제 5	<ul style="list-style-type: none"> <li>System and Server Bring-up: Covers end-to-end physical setup of GPU-based AI infrastructure, including BMC</li> <li>OOB</li> <li>TPM configuration, firmware upgrades, hardware installation, and power and cooling validation to ensure servers are workload-ready.</li> </ul>

## NVIDIA NCP-AII인기자격증 덤프공부자료 - NCP-AII시험패스 인증덤프 문제

멋진 IT전문가로 거듭나는 것이 꿈이라구요? 국제적으로 승인받는 IT인증시험에 도전하여 자격증을 취득해보세요. IT전문가로 되는 꿈에 더 가까이 갈수 있습니다. NVIDIA인증 NCP-AII시험이 어렵다고 알려져있는건 사실입니다. 하지만 Itcertkr의NVIDIA인증 NCP-AII덤프로 시험준비공부를 하시면 어려운 시험도 간단하게 패스할수 있는것도 부정할수 없는 사실입니다. Itcertkr의NVIDIA인증 NCP-AII덤프는 실제시험문제의 출제방향을 철저히 연구해낸 말 그대로 시험대비공부자료입니다. 덤프에 있는 내용만 마스터하시면 시험패스는 물론 멋진 IT전문가로 거듭날수 있습니다.

### 최신 NVIDIA-Certified Professional NCP-AII 무료샘플문제 (Q49-Q54):

#### 질문 # 49

You're deploying BlueField OS to multiple SmartNICs with varying hardware revisions. How can you ensure that the correct device tree is loaded for each specific SmartNIC during the boot process?

- A. Embed the device tree within the kernel image. The kernel will automatically select the correct one during boot.
- B. Relocate the device tree after the OS is running, but before services are started using a custom script.
- C. Manually specify the device tree file in the bootloader configuration for each SmartNIC
- D. Use a bootloader (e.g., U-Boot) that can detect the hardware revision and load the appropriate device tree based on a predefined mapping.
- E. Create a single device tree that is compatible with all SmartNIC revisions. The kernel will automatically handle compatibility.

정답: C

설명:

A bootloader like U-Boot is designed to handle hardware detection and conditional loading of resources like device trees. It can identify the SmartNIC revision and load the corresponding DTB file. Creating a single compatible DTB is difficult and may not fully utilize hardware capabilities. Manually specifying the DTB for each NIC is not scalable. Embedding the DTB in the kernel is uncommon. Attempting to modify the device tree at runtime could lead to instability.

#### 질문 # 50

You've installed the NGC CLI and successfully configured your API key. However, when running 'ngc registry model download', you receive a 'Permission denied' error despite having valid credentials. What are possible causes and solutions?

- A. The user account running the 'ngc' command does not have write permissions to the destination directory specified for the download.
- B. Your API key lacks the necessary permissions to download models from the NGC registry. Contact your NVIDIA organization administrator.
- C. Models can only be downloaded to specific location.
- D. The model you are trying to download requires acceptance of a separate end-user license agreement (EULA) that you haven't yet accepted.
- E. There is an issue with network connectivity or firewall rules preventing access to the NGC registry. Verify network connectivity and firewall rules.

정답: A,B,D,E

설명:

The 'Permission denied' error can stem from file system permissions (A), insufficient API key permissions (B), unaccepted EULAs (C), or network/firewall issues (D). All these must be considered before assuming a CLI installation problem. Option E is incorrect.

#### 질문 # 51

A customer reports that after installing an additional NVIDIA GPU into their existing AI server, they are experiencing IOMMU related errors during VM startup that leverage GPU pass-through. The error message indicates a problem with address translation.

Which troubleshooting steps should be taken? (Select TWO)

- A. Ensure that IOMMU is enabled in the BIOS/UEFI, and that the kernel command line includes (for Intel CPUs) or (for AMD CPUs).
- B. Disable IOMMU in the BIOS/UEFI. This resolves the address translation conflicts.
- C. Reinstall the NVIDIA drivers within the VM.
- D. Update the motherboard BIOS/UEFI to the latest version, as newer versions often include improved IOMMU support and bug fixes.
- E. Reduce the amount of RAM allocated to the VM to avoid exceeding addressable memory limits.

정답: A,D

설명:

IOMMU errors often stem from incorrect configuration or outdated firmware. Disabling IOMMU is generally not recommended as it reduces security. Ensuring IOMMU is enabled in the BIOS/UEFI and kernel command line is crucial. Updating the BIOS/UEFI addresses potential bugs in IOMMU implementation. While memory allocation could be a factor, it is not the most likely immediate cause. Reinstalling drivers within the VM is less likely to resolve IOMMU-related errors.

질문 # 52

You are implementing a distributed deep learning training setup using multiple servers connected via NVLink switches. You want to ensure optimal utilization of the NVLink interconnect. Which of the following strategies would be MOST effective in achieving this goal?

- A. Configure NCCL to use GPUDirect RDMA for inter-GPU communication across servers.
- B. Increase the batch size to reduce the frequency of inter-GPU communication.
- C. Use a standard TCP/IP socket connection for inter-GPU communication across servers.
- D. Disable peer-to-peer GPU memory access within each server to avoid contention.
- E. Implement a data compression algorithm that can be processed by the CPU before sending data over NVLink.

정답: A,B

설명:

Configuring NCCL to use GPUDirect RDMA is key as it bypasses the CPU and reduces latency. Increasing batch size helps amortize the cost of communication. TCP/IP will not utilize NVLink; CPU-based compression adds overhead, and disabling peer-to-peer access hurts performance. GPUDirect RDMA allows direct memory access and it is the most critical piece in NVLink switch based system setup. Large batch size would also help to saturate the link bandwidth and less frequently communicate between GPUs.

질문 # 53

You are designing a large-scale AI training cluster spanning multiple racks. The networking topology necessitates both short-reach (within rack) and long-reach (inter-rack) connections. Which combination of cable types and transceivers is MOST cost-effective and suitable for this scenario, assuming a mix of 200GbE and 400GbE links?

- A. AOC cables for all connections, both intra-rack and inter-rack.
- B. Passive copper cables for all intra-rack connections and ER4 transceivers with single-mode fiber for all inter-rack connections.
- C. DAC cables for all intra-rack connections and AOC cables for all inter-rack connections.
- D. DAC cables for all intra-rack connections and FR4 transceivers with single-mode fiber for inter-rack connections.
- E. DAC cables for all intra-rack connections, and a mix of SR4 and LR4 transceivers with multimode and single-mode fiber, respectively, for inter-rack connections.

정답: E

설명:

DAC cables are cost-effective and suitable for short-reach, high-bandwidth connections within a rack. For inter-rack connections, SR4 transceivers with multimode fiber (for shorter inter-rack links) and LR4 transceivers with single-mode fiber (for longer inter-rack links) provide a good balance of cost and performance. AOCs are generally more expensive than DACs. ER4 is overkill for many inter-rack scenarios and is more expensive than LR4.

## 질문 # 54

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