

Exam Questions NCA-AIIO

NVIDIA-Certified Associate AI Infrastructure and Operations

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NEW QUESTION 1

Which of the following aspects have led to an increase in the adoption of AI? (Choose two.)

- A. Moore's Law
- B. Rule-based machine learning
- C. High-powered GPUs
- D. Large amounts of data

Answer: CD

NEW QUESTION 2

When training a neural network, what is the most common pattern of storage access?

- A. Random write
- B. Sequential read
- C. Sequential write

Answer: B

NEW QUESTION 3

The foundation of the NVIDIA software stack is the DGX OS. Which of the following Linux distributions is DGX OS built upon?

- A. Ubuntu
- B. Red Hat
- C. CentOS

Answer: A

NEW QUESTION 4

What is a key benefit of using NVIDIA GPUDirect RDMA in an AI environment?

- A. It increases the power efficiency and thermal management of GPUs.
- B. It reduces the latency and bandwidth overhead of remote memory access between GPUs.
- C. It enables faster data transfers between GPUs and CPUs without involving the operating system.
- D. It allows multiple GPUs to share the same memory space without any synchronization.

Answer: C

NEW QUESTION 5

Which NVIDIA software provides the capability to virtualize a GPU?

- A. Horizon
- B. vGPU
- C. virtGPU

Answer: B

NEW QUESTION 6

When monitoring a GPU-based workload, what is GPU utilization?

- A. The maximum amount of time a GPU will be used for a workload.
- B. The GPU memory in use compared to available GPU memory.
- C. The percentage of time the GPU is actively processing data.
- D. The number of GPU cores available to the workload.

Answer: C

NEW QUESTION 7

Which two components are included in GPU Operator? (Choose two.)

- A. Drivers
- B. PyTorch
- C. DCGM
- D. TensorFlow

Answer: AC

NEW QUESTION 8

Which feature of RDMA reduces CPU utilization and lowers latency?

- A. Increased memory buffer size.
- B. Network adapters that include hardware offloading.
- C. NVIDIA Magnum I/O software.

Answer: B

NEW QUESTION 9

How many distinct network fabrics are in an AI cluster?

- A. 3
- B. 2
- C. 4
- D. 5

Answer: A

NEW QUESTION 10

In an AI cluster, what is the purpose of job scheduling?

- A. To gather and analyze cluster data on a regular schedule.
- B. To monitor and troubleshoot cluster performance.
- C. To assign workloads to available compute resources.
- D. To install, update, and configure cluster software.

Answer: C

NEW QUESTION 10

How many 1 Gb Ethernet in-band network connections are in a DGX H100 system?

- A. 1
- B. 2

Answer: C

NEW QUESTION 13

In a data center, what is the purpose and benefit of a DPU?

- A. A DPU is responsible for providing backup and disaster recovery solutions.
- B. A DPU is used for managing physical infrastructure, such as power and cooling.
- C. A DPU is responsible for managing network connections and security.
- D. A DPU is designed to offload, accelerate, and isolate infrastructure workloads.

Answer: D

NEW QUESTION 17

What is a key value of using NVIDIA NIMs?

- A. They provide fast and simple deployment of AI models.
- B. They have community support.
- C. They allow the deployment of NVIDIA SDKs.

Answer: A

NEW QUESTION 18

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