

NCA-AIIO Dumps

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

Which of the following statements is true about Kubernetes orchestration?

- A. It is bare-metal based but it supports containers.
- B. It has advanced scheduling capabilities to assign jobs to available resources.
- C. It has no inferencing capabilities.
- D. It does load balancing to distribute traffic across containers.

Answer: BD

NEW QUESTION 3

Which type of GPU core was specifically designed to realistically simulate the lighting of a scene?

- A. Tensor Cores
- B. CUDA Cores
- C. Ray Tracing Cores

Answer: C

NEW QUESTION 4

In training and inference architecture requirements, what is the main difference between training and inference?

- A. Training requires real-time processing, while inference requires large amounts of data.
- B. Training requires large amounts of data, while inference requires real-time processing.
- C. Training and inference both require large amounts of data.
- D. Training and inference both require real-time processing.

Answer: B

NEW QUESTION 5

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 6

Which architecture is the core concept behind large language models?

- A. BERT Large model
- B. State space model
- C. Transformer model
- D. Attention model

Answer: C

NEW QUESTION 7

Which solution should be recommended to support real-time collaboration and rendering among a team?

- A. A cluster of servers with NVIDIA T4 GPUs in each server.
- B. A DGX SuperPOD.
- C. An NVIDIA Certified Server with RTX-based GPUs.

Answer: C

NEW QUESTION 8

When should RoCE be considered to enhance network performance in a multi-node AI computing environment?

- A. A network that experiences a high packet loss rate (PLR).
- B. A network with large amounts of storage traffic.
- C. A network that cannot utilize the full available bandwidth due to high CPU utilization.

Answer: C

NEW QUESTION 9

What is the name of NVIDIA's SDK that accelerates machine learning?

- A. Clara
- B. RAPIDS
- C. cuDNN

Answer: C

NEW QUESTION 10

How many distinct network fabrics are in an AI cluster?

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

Answer: A

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

How many Mellanox ConnectX-6 Single Port VPI cards are in a DGX A100 system?

- A. 8
- B. 16
- C. 4

Answer: A

NEW QUESTION 15

What is the importance of a job scheduler in an AI resource-constrained cluster?

- A. It allocates resources based on which job requests came first.
- B. It ensures that all jobs in the cluster are executed simultaneously.
- C. It increases the number of resources available in the cluster.
- D. It allocates resources efficiently and optimizes job execution.

Answer: D

NEW QUESTION 20

In an AI cluster, what is the importance of using Slurm?

- A. Slurm is used for data storage and retrieval in an AI cluster.
- B. Slurm is responsible for AI model training and inference in an AI cluster.
- C. Slurm is used for interconnecting nodes in an AI cluster.
- D. Slurm helps with managing job scheduling and resource allocation in the cluster.

Answer: D

NEW QUESTION 24

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