

NCA-AIIO Dumps

NVIDIA-Certified Associate AI Infrastructure and Operations

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NEW QUESTION 1

A company is implementing a new network architecture and needs to consider the requirements and considerations for training and inference. Which of the following statements is true about training and inference architecture?

- A. Training architecture and inference architecture have the same requirements and considerations.
- B. Training architecture is only concerned with hardware requirements, while inference architecture is only concerned with software requirements.
- C. Training architecture is focused on optimizing performance while inference architecture is focused on reducing latency.
- D. Training architecture and inference architecture cannot be the same.

Answer: C

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

Which of the following statements correctly differentiates between AI, Machine Learning, and Deep Learning?

- A. Machine Learning is a subset of AI, and AI is a subset of Deep Learning.
- B. AI and Deep Learning are the same, while Machine Learning is a separate concept.
- C. AI is a subset of Machine Learning, and Machine Learning is a subset of Deep Learning.
- D. Deep Learning is a subset of Machine Learning, and Machine Learning is a subset of AI.

Answer: D

NEW QUESTION 6

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 7

Which NVIDIA software provides the capability to virtualize a GPU?

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

Answer: B

NEW QUESTION 8

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

- A. Drivers
- B. PyTorch

- C. DCGM
- D. TensorFlow

Answer: AC

NEW QUESTION 9

What is a common tool for container orchestration in AI clusters?

- A. Kubernetes
- B. MLOps
- C. Slurm
- D. Apptainer

Answer: A

NEW QUESTION 10

How is out-of-band management utilized by network operators in an AI environment?

- A. It is used to remotely manage and troubleshoot network devices independently of the production network.
- B. It is used to directly manage the AI model's learning rate during training sessions.
- C. It is used to increase the computational power of AI models by adapting additional processing resources.
- D. It is used to manage the data throughput of AI applications by prioritizing network traffic.

Answer: A

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 14

What is an advantage of InfiniBand over Ethernet?

- A. InfiniBand always provides higher bandwidth than Ethernet.
- B. InfiniBand supports RDMA while Ethernet does not.
- C. InfiniBand offers lower latency than Ethernet.

Answer: C

NEW QUESTION 16

What is the primary command for checking the GPU utilization on a single DGX H100 system?

- A. nvidia-smi
- B. ctop
- C. nvml

Answer: A

NEW QUESTION 21

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