



NVIDIA

Exam Questions NCA-AIIO

NVIDIA-Certified Associate AI Infrastructure and Operations

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NEW QUESTION 1

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 2

Which of the following NVIDIA tools is primarily used for monitoring and managing AI infrastructure in the enterprise?

- A. NVIDIA NeMo System Manager
- B. NVIDIA Data Center GPU Manager
- C. NVIDIA DGX Manager
- D. NVIDIA Base Command Manager

Answer: D

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

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 5

What NVIDIA tool should a data center administrator use to monitor NVIDIA GPUs?

- A. NVIDIA System Monitor
- B. NetQ
- C. DCGM

Answer: C

NEW QUESTION 6

How is the architecture different in a GPU versus a CPU?

- A. A GPU acts as a PCIe controller to maximize bandwidth.
- B. A GPU is architected to support massively parallel execution of simple instructions.
- C. A GPU is a single large and complex core to support massive compute operations.

Answer: B

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 phase of deep learning benefits the greatest from a multi-node architecture?

- A. Data Augmentation
- B. Training
- C. Inference

Answer: B

NEW QUESTION 9

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 10

Which is the best PUE value for a data center?

- A. PUE of 1.2
- B. PUE of 3.5
- C. PUE of 5.0
- D. PUE of 2.0

Answer: A

NEW QUESTION 10

For which workloads is NVIDIA Merlin typically used?

- A. Recommender systems
- B. Natural language processing
- C. Data analytics

Answer: A

NEW QUESTION 14

What is one key advantage that Cloud GPU Infrastructure has over On-Prem GPU infrastructure?

- A. Lower cost barrier to entry.
- B. Reduced cost of I/O traffic.
- C. Greater flexibility for hardware orchestration.

Answer: A

NEW QUESTION 18

How many distinct network fabrics are in an AI cluster?

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

Answer: A

NEW QUESTION 20

When using an InfiniBand network for an AI infrastructure, which software component is necessary for the fabric to function?

- A. Verbs
- B. MPI
- C. OpenSM

Answer: C

NEW QUESTION 23

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

- A. 1
- B. 2

Answer: C

NEW QUESTION 28

What factors have led to significant breakthroughs in Deep Learning?

- A. Advances in hardware, availability of fast internet connections, and improvements in training algorithms.
- B. Advances in sensors, availability of large datasets, and improvements to the ??Bag of Words?? algorithm.
- C. Advances in hardware, availability of large datasets, and improvements in training algorithms.
- D. Advances in smartphones, social media sites, and improvements in statistical techniques.

Answer: C

NEW QUESTION 32

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 36

Which aspect of computing uses large amounts of data to train complex neural networks?

- A. Machine learning
- B. Deep learning
- C. Inferencing

Answer: B

NEW QUESTION 40

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 41

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