

# **NVIDIA**

## **Exam Questions NCA-AIO**

NVIDIA-Certified Associate AI Infrastructure and Operations



#### 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

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 3

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 4

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 5

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

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

**Answer: B**

#### NEW QUESTION 6

Which NVIDIA parallel computing platform and programming model allows developers to program in popular languages and express parallelism through extensions?

- A. CUDA
- B. CUML
- C. CUGRAPH

**Answer: A**

#### 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

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

- A. Clara
- B. RAPIDS

C. cuDNN

**Answer: C**

**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**

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 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 12**

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 14**

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

- A. 1
- B. 2

**Answer: C**

**NEW QUESTION 17**

What is a significant benefit of using containers in an AI development environment?

- A. They increase the base accuracy of AI models by optimizing their algorithms.
- B. They ensure that AI applications run consistently across different computing environments.
- C. They can automatically generate AI datasets for machine learning model training.
- D. They directly increase the processing speed of GPUs used in AI computations.

**Answer: B**

**NEW QUESTION 22**

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 23**

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 24**

A customer is evaluating an AI cluster for training and is questioning why they should use a large number of nodes. Why would multi-node training be advantageous?

- A. The model is too large to fit into GPU memory.
- B. The model is being used by a large number of users.
- C. The model is being used for large-scale inference workloads.

**Answer: A**

**NEW QUESTION 25**

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 28**

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 31**

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 36**

.....

## **Thank You for Trying Our Product**

### **We offer two products:**

1st - We have Practice Tests Software with Actual Exam Questions

2nd - Questions and Answers in PDF Format

### **NCA-AIIO Practice Exam Features:**

- \* NCA-AIIO Questions and Answers Updated Frequently
- \* NCA-AIIO Practice Questions Verified by Expert Senior Certified Staff
- \* NCA-AIIO Most Realistic Questions that Guarantee you a Pass on Your First Try
- \* NCA-AIIO Practice Test Questions in Multiple Choice Formats and Updates for 1 Year

**100% Actual & Verified — Instant Download, Please Click**  
**[Order The NCA-AIIO Practice Test Here](#)**