DUMPSARENA

Using HPE AI and Machine Learning

HP HPE2-N69

Version Demo

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QUESTION NO: 1

ML engineers are defining a convolutional neural network (CNN) model bur they are not sure how many filters to use in each convolutional layer. What can help them address this concern?

A. Using hyperparameter optimization (HPO)

B. Distributing the training across multiple CPUs

C. Using a variable learning late

D. Training the model on multiple epochs

ANSWER: A

Explanation:

Hyperparameter optimization is a process of tuning the hyperparameters of a machine learning model, such as the number of filters in a convolutional neural network (CNN) model, to determine the best combination of hyperparameters that will result in the best model performance. HPO techniques are used to automatically find the optimal hyperparameter values, which can greatly increase the accuracy and performance of the model.

QUESTION NO: 2

What role do HPE ProLiant DL325 servers play in HPE Machine Learning Development System?

A. They run validation and checkpoint workloads.

B. They run training workloads that do not require GPUs.

C. They host management software such as the conductor and HPCM.

D. They run non-distributed training workloads.

ANSWER: C

Explanation:

HPE ProLiant DL325 servers play an important role in the HPE Machine Learning Development System. They are used to host the management software such as the Conductor and HPCM, and they also run non-distributed training workloads that do not require GPUs. They can also be used to run validation and checkpoint workloads.

QUESTION NO: 3

A customer is using fair-share scheduling for an HPE Machine Learning Development Environment resource pool. What is one way that users can obtain relatively more resource slots for their important experiments?

A. Set the weight to a higher than default value.

B. Set the weight to a lower than default value.

C. Set the priority to a lower than default value.

D. Set the priority to a higher than default value.

ANSWER: A

Explanation:

Fair-share scheduling allocates resources to experiments based on the weight value of the resource pool. Increasing the weight value of a resource pool will result in more resource slots being allocated to it.

QUESTION NO: 4

A company has recently expanded its ml engineering resources from 5 CPUs 1012 GPUs.

What challenge is likely to continue to stand in the way of accelerating deep learning (DU training?

A. A lack of understanding of the DL model architecture by the NL engineering team

B. The complexity of adjusting model code to distribute the training process across multiple GPUs

C. A lack of adequate power and cooling for the GPU-enabled servers

D. The requirement that the ML team must wait for the IT team to initiate each new training process

ANSWER: B

Explanation:

The complexity of adjusting model code to distribute the training process across multiple GPUs. Deep learning (DL) training requires a large amount of computing power and can be accelerated by using multiple GPUs. However, this requires adjusting the model code to distribute the training process across the GPUs, which can be a complex and time-consuming process. Thus, the complexity of adjusting the model code is likely to continue to be a challenge in accelerating DL training.

QUESTION NO: 5

You want to set up a simple demo Ouster tor HPE Machine learning Development Environment for the open source Determined AI) on a local machine. You plan to use "del deploy" to set up the cluster. What software must be installed on the machine before you run that command?

A. Kubernetes

B. PyTorch

C. Terralorm

D. Docker

ANSWER: D

Explanation:

Before running the "del deploy" command to set up the cluster, you must first install Docker on the machine. Docker is a containerization platform that is used to run applications in an isolated environment. It is necessary to have Docker installed before running the "del deploy" command to set up the cluster for the open source Determined AI on a local machine.