[Oct 19, 2023 HPE2-N69 certification guide Q&A from Training Expert ValidBraindumps [Q16-Q31

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HPE2-N69 Certification Overview Latest HPE2-N69 PDF Dumps

HP HPE2-N69 exam is designed to evaluate the skills and knowledge of IT professionals who work with the HPE Cray AI Development Environment. Using HPE Cray AI Development Environment certification is designed to validate the candidate's ability to design, deploy, and manage HPE Cray AI Development Environment solutions. HPE2-N69 exam is intended for individuals who want to advance their careers in the field of AI development and are interested in working with HPE's Cray AI Development Environment.

QUESTION 16

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?
* Kubernetes

* PyTorch
* Terralorm
* Docker

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.

QUESTION 17

You want to open the conversation about HPE Machine Learning Development Environment with an IT contact at a customer. What can be a good discovery question?

* How long does it currently take for a DL training to run the backward pass?
* How much do you understand about building ML and DL models?
* How much time do you spend managing the ML infrastructure?
* What frustrations do you have with existing ML deployment and differencing solutions?

A good discovery question to start a conversation about HPE Machine Learning Development Environment with an IT contact at a customer would be: “What frustrations do you have with existing ML deployment and differencing solutions?” By understanding the customer’s current challenges and frustrations, you can better determine how HPE’s ML Development Environment could help to address those needs.

QUESTION 18

A company has an HPE Machine Learning Development Environment cluster. The ML engineers store training and validation data sets in Google Cloud Storage (GCS). What is an advantage of streaming the data during a trial, as opposed to downloading the data?

* Streaming requires just one bucket, while downloading requires many.
* The trial can more quickly start up and begin training the model.
* The trial can better separate training and validation data.
* Setting up streaming is easier that setting up downloading.

Streaming the data during a trial allows the data to be processed more quickly, as it does not need to be downloaded onto the cluster before training can begin. This means that the trial can start up faster and the model can begin training more quickly.

QUESTION 19

An HPE Machine Learning Development Environment resource pool uses priority scheduling with preemption disabled. Currently Experiment 1 Trial I is using 32 of the pool’s 40 total slots; it has priority 42. Users then run two more experiments:

* Experiment 2:1 trial (Trial 2) that needs 24 slots; priority 50

* Experiment 3; l trial (Trial 3) that needs 24 slots; priority I

What happens?

* Trial I is allowed to finish. Then Trial 3 is scheduled.
* Trial 2 is scheduled on 8 of the slots. Then, alter Trial 1 has finished, it receives 16 more slots.
* Trial 1 is allowed to finish. Then Trial 2 is scheduled.
* Trial 3 is scheduled on 8 of the slots. Then, after Trial 1 has finished, it receives 16 more slots.

Trial 3 is scheduled on 8 of the slots. Then, after Trial 1 has finished, it receives 16 more slots. This is because priority scheduling is used in the HPE Machine Learning Development Environment resource pool, which means higher priority tasks will be given priority over lower priority tasks. As such, Trial 3 with priority 1 will be given priority over Trial 2 with priority 50.

QUESTION 20

A trial is running on a GPU slot within a resource pool on HPE Machine Learning Development Environment. That GPU fails. What happens next?
* The trial tails, and the ML engineer must restart it manually by re-running the experiment.
* The concluded reschedules the trial on another available GPU in the pool, and the trial restarts from the state of the latest training workload.
* The trial fails, and the ML engineer must manually restart it from the latest checkpoint using the WebUI.
* The conductor reschedules the trial on another available GPU in the pool, and the trial restarts from the latest checkpoint.
If a GPU fails during a trial running on a resource pool on HPE Machine Learning Development Environment, the conductor will reschedule the trial on another available GPU in the pool, and the trial will restart from the latest checkpoint. The trial will not fail, and the ML engineer will not have to manually restart it from the latest checkpoint using the WebUI.

QUESTION 21

What is a reason to use the best tit policy on an HPE Machine Learning Development Environment resource pool?
* Ensuring that all experiments receive their fair share of resources
* Minimizing costs in a cloud environment
* Equally distributing utilization across multiple agents
* Ensuring that the highest priority experiments obtain access to more resources
The best fit policy on an HPE Machine Learning Development Environment resource pool ensures that the highest priority experiments obtain access to more resources, while still ensuring that all experiments receive their fair share. This allows you to make the most of your resources and prioritize the experiments that are most important to you.

QUESTION 22

What is a benefit of HPE Machine Learning Development Environment mat tends to resonate with executives?
* It uses a centralized training architecture that is highly efficient.
* It helps DL projects complete faster for a faster ROI.
* It helps companies deploy models and generate revenue.
* It automatically cleans up data to create better end results.
HPE Machine Learning Development Environment is designed to deliver results more quickly than traditional methods, allowing companies to get a return on their investment sooner and benefit from their DL projects faster. This tends to be a benefit that resonates with executives, as it can help them realize their goals more quickly and efficiently.

QUESTION 23

You are meeting with a customer how has several DL models deployed. Out wants to expand the projects.

The ML/DL team is growing from 5 members to 7 members. To support the growing team, the customer has assigned 2 dedicated IT start. The customer is trying to put together an on-prem GPU cluster with at least 14 CPUs.

What should you determine about this customer?
* The customer is not ready for an HPE Machine Learning Development solution, but you could recommend open-source Determined Al.
* The customer is not ready for an HPE Machine Learning Development solution. Out you could recommend an educational HPE Pointnext ASPS workshop.
* The customer is a key target for HPE Machine Learning Development Environment, but not HPE Machine Learning Development System.
* The customer is a key target for an HPE Machine Learning Development solution, and you should continue the discussion.

The customer is a key target for an HPE Machine Learning Development solution, and you should continue the discussion. With the customer’s dedicated IT staff, the customer is ready to deploy an on-premise GPU cluster with at least 14 CPUs. The HPE Machine Learning Development Environment is a comprehensive solution that provides the tools and technologies required to develop, manage, and deploy ML models. It includes a distributed training framework, an orchestration layer, a powerful development environment, and an integrated MLOps platform. With this solution, the customer can expand their ML/DL projects and scale up their team.

QUESTION 24

You are meeting with a customer, and MUDL engineers express frustration about losing work flue to hardware failures. What should you explain about how HPE Machine Learning Development Environment addresses this pain point?
* The solution automatically mirrors the training process on redundant agents, which take over If an issue occurs.
* The solution continuously monitors agent hardware and sends out proactive alerts before failed hardware causes training to tail.
* The conductor and each of the agents ate deployed in an active-standby model, which protects in case of hardware issues.
* The solution can take periodic checkpoints during the training process and automatically restart failed training from the latest checkpoint.

The best way to explain how HPE Machine Learning Development Environment addresses this pain point is to mention that the solution can take periodic checkpoints during the training process and automatically restart failed training from the latest checkpoint. This ensures that in case of a hardware failure, the engineers will not lose their work and training can be resumed from the last successful checkpoint.

QUESTION 25

What is one of the responsibilities of the conductor of an HPE Machine Learning Development Environment cluster?
* it downloads datasets for training.
* It uploads model checkpoints.
* It validates trained models.
* It ensures experiment metadata is stored.

The conductor of an HPE Machine Learning Development Environment cluster is responsible for ensuring that all experiment metadata is stored and accessible. This includes tracking experiment runs, storing configuration parameters, and ensuring results are stored for future reference.

QUESTION 26

You are proposing an HPE Machine Learning Development Environment solution for a customer. On what do you base the license count?
* The number of servers in the cluster
* The number of agent GPUs
* The number of processor cores on agents
* The number of processor cores on all servers in the cluster

The license count for the HPE Machine Learning Development Environment solution would be based on the number of processor cores on all servers in the cluster. This includes all servers in the cluster, regardless of whether they are running agents or not. Each processor core in the cluster requires a license and these licenses can be purchased in packs of 2, 4, 8, and 16.

QUESTION 27

Refer to the exhibit.

You are demonstrating HPE Machine Learning Development Environment, and you show details about an experiment, as shown in the exhibits. The customer asks about what “validation loss’ means. What should you respond?
* Validation refers to testing how well the current model performs on new data; file lower the loss the better the performance.
* Validation refers to an assessment of how efficient the model code is; the lower the loss the lower the demand on GPU memory resources.
* Validation loss refers to the loss detected during the backward pass of training, while training loss refers to loss during the forward pass.
* Validation loss is metadata that indicates how many updates were lost between the conductor and agents.
Validation loss is a metric used to measure how well the model is performing on unseen data. It is calculated by taking the difference between the predicted values and the actual values. The lower the validation loss, the better the model’s performance on new data.

QUESTION 28

A customer has Men expanding its deep learning (DO prefects and is confronting several challenges. Which of these challenges does HPE Machine Learning Development Environment specifically address?
* Time-consuming data collection
* Complex model deployment processes
* Complex and time-consuming data cleansing process
* Complex and time-consuming hyperparameter optimization (HPO)

QUESTION 29

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QUESTION 30

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?

* Using hyperparameter optimization (HPO)
* Distributing the training across multiple CPUs
* Using a variable learning late
* Training the model on multiple epochs

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 31

You want to set up a simple demo cluster for HPE Machine Learning Development Environment for the open source Determined all on a local machine. Which OS Is supported?

* HP-UX v11i
* Windows Server 2016 or above
* Windows 10 or above
* Red Hat 7-based Linux

HP HPE2-N69 certification exam is designed for professionals who want to enhance their expertise in using HPE Cray AI Development Environment. HPE2-N69 exam is intended for specialists who work with HPE Cray AI Development Environment and are responsible for developing and deploying AI applications. HPE2-N69 exam tests your knowledge and skills in using the HPE Cray AI Development Environment to develop, train, and deploy AI models.

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