

HPE AI and Machine Learning

Exam description

This certification verifies that you can design and support solutions using HPE AI and Machine Learning Development Environment to easily implement and train machine learning models by removing complexities, optimizing cost, and accelerating innovation.

Ideal candidate for this exam

The ideal candidates for this exam are involved in technical presales, including those who can design and demonstrate machine learning solutions, and execute POCs, across the Machine Learning stack. The candidates can align relevant HPE Machine Learning solutions to customer goals and explain the unique benefits of a proposed solution in a way that the technical buyer can understand.

Exam contents

This exam has 50 questions. Here are types of questions to expect:

- Multiple choice (multiple responses), scenario based
- Multiple choice (single response), scenario based
- Multiple choice (multiple responses)
- Multiple choice (single response)

Advice to help you take this exam

- Complete the training and review all course materials and documents before you take the exam.
- Exam items are based on expected knowledge acquired from job experience, an expected level of industry standard knowledge, or other prerequisites (events, supplemental materials, etc.).
- Successful completion of the course or study materials alone, does not ensure you will pass the exam.

Read the entire question and consider all options before you answer. If the question includes an exhibit, study the exhibit and read the question again. Select the answer that fully responds to the question. If the question asks for more than one answer, select all correct answers. There is no partial credit.

Objectives

This exam validates that you can:

Exam ID	HPE2-T38
Exam type	Web based
Exam duration	1 hour 30 minutes
Exam length	50 questions
Passing score	70%
Delivery languages	English, Japanese, Korean

Register for this Exam

You need an HPE Learner ID and a Pearson VUE login and password.

No reference material is allowed at the testing site. This exam may contain beta test items for experimental purposes.

Percentage of Exam	Sections/Objectives
13%	Understand machine learning (ML) ecosystem fundamentals:
	 1.1 Recognize the fundamentals of the technology. 1.2 Identify the challenges customers face in training DL models. 1.3 Classify Potential Components of an ML ecosystem.
15%	Examine the HPE ML Offerings:
	 2.1 Recite key capabilities of HPEs AI at-scale portfolio software 2.2 Align relevant HPE ML solutions to customer goals 2.3 Recognize different HPE deployment solutions
13%	Describe requirements and prerequisites for HPE machine learning solutions:
	3.1 Compare HPE machine learning (ML) architecture and deployment options.3.2 Recognize some common factors regarding required infrastructures.
24%	Articulate the business value of HPE ML solutions:
	4.1 Articulate the benefits of MLDMS4.2 Articulate the benefits of MLDE4.3 Describe how HPE AI offerings fit in the market.
18%	Demonstrate and explain how to use HPE machine learning (ML) [PDK]:
	5.1 Explain the fundamentals of PDK 5.2 Demonstrate an ability to engage with data versioning and lineage
	5.3 Explain how to train a new model 5.4 Explain how to deploy the model
	5.5 Demonstrate ability to automate and integrate these steps for deployment
7%	Compare HPE Machine Learning enterprise offerings to open-source versions:
	6.1 Describe Current Enterprise features
10%	Engage with customers:
	 7.1 Qualify customers for HPE AI offerings 7.2 Identify the appropriate personas for engagement 7.3 Demonstrate a proof of concept (PoC)

Sample questions

Sample questions are provided only as examples of question style, format and complexity/difficulty. They do not represent all question types and do not reflect all topic areas. These sample questions do not represent a practice test.

1. What is the role of a hidden layer in an artificial neural network (ANN)?

- a. It receives and weighs inputs from the preceding layer and produces outputs for the next layer.
- b. It assigns the label to a record, or in other words, produces the final result for the ANN.
- c. It ingresses parameters from a record and passively reformats those parameters without any changes over the training process.
- d. It does not play a role during the forward pass of data through the ANN, but it helps to optimize during the backward pass.

Answers

This section provides answers to and references for the sample questions. 1. What is the role of a hidden layer in an artificial neural network (ANN)?

a. It receives and weighs inputs from the preceding layer and produces outputs for the next layer.

b. It assigns the label to a record, or in other words, produces the final result for the ANN.

c. It ingresses parameters from a record and passively reformats those parameters without any changes over the training process.

d. It does not play a role during the forward pass of data through the ANN, but it helps to optimize during the backward pass.

References

Module 1, "Artificial neural networks (ANNs) for DL"

Using HPE Cray AI Development Environment Learner Guide

For more information

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