



DP-100^{Q&As}

Designing and Implementing a Data Science Solution on Azure

Pass Microsoft DP-100 Exam with 100% Guarantee

Free Download Real Questions & Answers **PDF** and **VCE** file from:

<https://www.pass4itsure.com/dp-100.html>

100% Passing Guarantee
100% Money Back Assurance

Following Questions and Answers are all new published by Microsoft
Official Exam Center

-  **Instant Download** After Purchase
-  **100% Money Back** Guarantee
-  **365 Days** Free Update
-  **800,000+** Satisfied Customers





QUESTION 1

DRAG DROP

You create a multi-class image classification deep learning experiment by using the PyTorch framework. You plan to run the experiment on an Azure Compute cluster that has nodes with GPU's.

You need to define an Azure Machine Learning service pipeline to perform the monthly retraining of the image classification model. The pipeline must run with minimal cost and minimize the time required to train the model.

Which three pipeline steps should you run in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

Actions

Configure a DataTransferStep() to fetch new image data from public web portal, running on the cpu-compute compute target.

Configure an EstimatorStep() to run an estimator that runs the bird_classifier_train.py model training script on the gpu_compute compute target.

Configure a PythonScriptStep() to run both image_fetcher.py and image_resize.py on the cpu-compute compute target.

Configure an EstimatorStep() to run an estimator that runs the bird_classifier_train.py model training script on the cpu_compute compute target.

Configure a PythonScriptStep() to run image_fetcher.py on the cpu-compute compute target.

Configure a PythonScriptStep() to run image_resize.py on the cpu-compute compute target.

Configure a PythonScriptStep() to run bird_classifier_train.py on the cpu-compute compute target.

Configure a PythonScriptStep() to run bird_classifier_train.py on the gpu-compute compute target.

Answer Area

Correct Answer:

**Actions**

Configure a PythonScriptStep() to run both image_fetcher.py and image_resize.py on the cpu-compute compute target.
Configure an EstimatorStep() to run an estimator that runs the bird_classifier_train.py model training script on the cpu_compute compute target.
Configure a PythonScriptStep() to run image_fetcher.py on the cpu-compute compute target.
Configure a PythonScriptStep() to run bird_classifier_train.py on the cpu-compute compute target.
Configure a PythonScriptStep() to run bird_classifier_train.py on the gpu-compute compute target.

Answer Area

Configure a DataTransferStep() to fetch new image data from public web portal, running on the cpu-compute compute target.
Configure a PythonScriptStep() to run image_resize.py on the cpu-compute compute target.
Configure an EstimatorStep() to run an estimator that runs the bird_classifier_train.py model training script on the gpu_compute compute target.

Step 1: Configure a DataTransferStep() to fetch new image data...

Step 2: Configure a PythonScriptStep() to run image_resize.y on the cpu-compute compute target.

Step 3: Configure the EstimatorStep() to run training script on the gpu_compute computer target.

The PyTorch estimator provides a simple way of launching a PyTorch training job on a compute target.

Reference:

<https://docs.microsoft.com/en-us/azure/machine-learning/how-to-train-pytorch>

QUESTION 2

You plan to use a Data Science Virtual Machine (DSVM) with the open source deep learning frameworks Caffe2 and PyTorch.

You need to select a pre-configured DSVM to support the frameworks.

What should you create?

A. Data Science Virtual Machine for Windows 2012



- B. Data Science Virtual Machine for Linux (CentOS)
- C. Geo AI Data Science Virtual Machine with ArcGIS
- D. Data Science Virtual Machine for Windows 2016
- E. Data Science Virtual Machine for Linux (Ubuntu)

Correct Answer: E

Caffe2 and PyTorch is supported by Data Science Virtual Machine for Linux. Microsoft offers Linux editions of the DSVM on Ubuntu 16.04 LTS and CentOS 7.4. Only the DSVM on Ubuntu is preconfigured for Caffe2 and PyTorch.
Incorrect Answers:

D: Caffe2 and PyTorch are only supported in the Data Science Virtual Machine for Linux.

References: <https://docs.microsoft.com/en-us/azure/machine-learning/data-science-virtual-machine/overview>

QUESTION 3

HOTSPOT

You need to identify the methods for dividing the data according to the testing requirements.

Which properties should you select? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:



Answer Area

Properties Project

Partition and Sample

	▼
Assign to Folds	
Sampling	
Head	

Partition or sample mode

Use replacement in the partitioning

Randomized split

Random seed

	▼
True	
False	
Partition evenly	
Partition with custom partitions	

Specify the partitioner method

Specify number of folds to split evenly into

Stratified split

Stratification key column

Selected columns:
Column names: NextToRiver



Correct Answer:



Answer Area

Properties Project

Partition and Sample

	▼
Assign to Folds	
Sampling	
Head	

Partition or sample mode

Use replacement in the partitioning

Randomized split

Random seed

	▼
True	
False	
Partition evenly	
Partition with custom partitions	

Specify the partitioner method

Specify number of folds to split evenly into

Stratified split

Stratification key column

Selected columns:
Column names: NextToRiver



Scenario: Testing

You must produce multiple partitions of a dataset based on sampling using the Partition and Sample module in Azure Machine Learning Studio.

Box 1: Assign to folds

Use Assign to folds option when you want to divide the dataset into subsets of the data. This option is also useful when you want to create a custom number of folds for cross-validation, or to split rows into several groups.

Not Head: Use Head mode to get only the first n rows. This option is useful if you want to test a pipeline on a small number of rows, and don't need the data to be balanced or sampled in any way.

Not Sampling: The Sampling option supports simple random sampling or stratified random sampling. This is useful if you want to create a smaller representative sample dataset for testing.

Box 2: Partition evenly

Specify the partitioner method: Indicate how you want data to be apportioned to each partition, using these options:

Partition evenly: Use this option to place an equal number of rows in each partition. To specify the number of output partitions, type a whole number in the Specify number of folds to split evenly into text box.

Reference: <https://docs.microsoft.com/en-us/azure/machine-learning/algorithm-module-reference/partition-and-sample>

QUESTION 4

You use Azure Machine Learning Studio to build a machine learning experiment.

You need to divide data into two distinct datasets.

Which module should you use?

- A. Split Data
- B. Load Trained Model
- C. Assign Data to Clusters
- D. Group Data into Bins

Correct Answer: D

The Group Data into Bins module supports multiple options for binning data. You can customize how the bin edges are set and how values are apportioned into the bins.

References: <https://docs.microsoft.com/en-us/azure/machine-learning/studio-module-reference/group-data-into-bins>

QUESTION 5

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains



a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while

others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You train a classification model by using a logistic regression algorithm.

You must be able to explain the model's predictions by calculating the importance of each feature, both as an overall global relative importance value and as a measure of local importance for a specific set of predictions.

You need to create an explainer that you can use to retrieve the required global and local feature importance values.

Solution: Create a PFIE explainer.

Does the solution meet the goal?

A. Yes

B. No

Correct Answer: A

Permutation Feature Importance Explainer (PFI): Permutation Feature Importance is a technique used to explain classification and regression models. At a high level, the way it works is by randomly shuffling data one feature at a time for the entire dataset and calculating how much the performance metric of interest changes. The larger the change, the more important that feature is. PFI can explain the overall behavior of any underlying model but does not explain individual predictions.

Reference: <https://docs.microsoft.com/en-us/azure/machine-learning/how-to-machine-learning-interpretability>

[DP-100 Practice Test](#)

[DP-100 Study Guide](#)

[DP-100 Exam Questions](#)



To Read the [Whole Q&As](#), please purchase the [Complete Version](#) from [Our website](#).

Try our product !

100% Guaranteed Success

100% Money Back Guarantee

365 Days Free Update

Instant Download After Purchase

24x7 Customer Support

Average 99.9% Success Rate

More than 800,000 Satisfied Customers Worldwide

Multi-Platform capabilities - [Windows](#), [Mac](#), [Android](#), [iPhone](#), [iPod](#), [iPad](#), [Kindle](#)

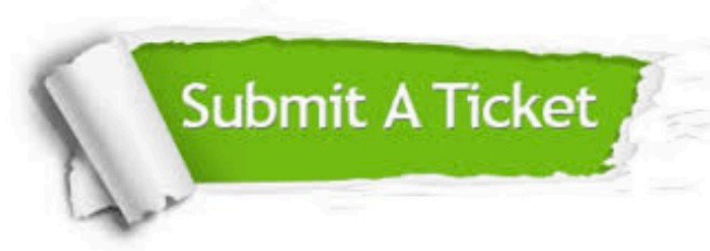
We provide exam PDF and VCE of Cisco, Microsoft, IBM, CompTIA, Oracle and other IT Certifications. You can view Vendor list of All Certification Exams offered:

<https://www.pass4itsure.com/allproducts>

Need Help

Please provide as much detail as possible so we can best assist you.

To update a previously submitted ticket:



 <p>One Year Free Update Free update is available within One Year after your purchase. After One Year, you will get 50% discounts for updating. And we are proud to boast a 24/7 efficient Customer Support system via Email.</p>	 <p>Money Back Guarantee To ensure that you are spending on quality products, we provide 100% money back guarantee for 30 days from the date of purchase.</p>	 <p>Security & Privacy We respect customer privacy. We use McAfee's security service to provide you with utmost security for your personal information & peace of mind.</p>
---	---	--

Any charges made through this site will appear as Global Simulators Limited.

All trademarks are the property of their respective owners.

Copyright © pass4itsure, All Rights Reserved.