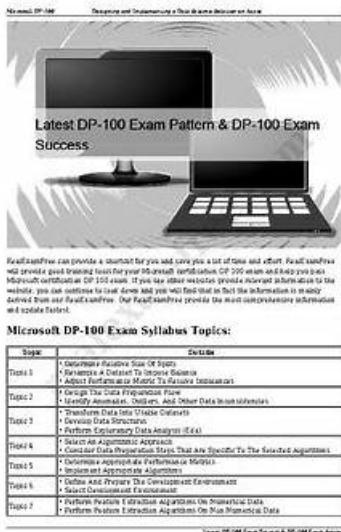


# Reliable DP-100 Test Book | New DP-100 Exam Pattern



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In order to adapt to different level differences in users, the DP-100 exam questions at the time of writing teaching materials with a special focus on the text information expression, as little as possible the use of crude esoteric jargon, as much as possible by everyone can understand popular words to express some seem esoteric knowledge, so that more users through the DP-100 Prep Guide to know that the main content of qualification examination, stimulate the learning enthusiasm of the user, arouse their interest in learning.

## Step 1: Reviewing the Exam Topics

The best way to start the preparation process is to visit the official website of the certification exam. The official site is the most reliable source for the right information regarding the test. It is recommended that you download a detailed list of the exam objectives from the webpage and thoroughly study it before attempting the actual test.

The DP-100 exam is a challenging certification exam that requires a solid understanding of data science concepts and hands-on experience with Azure services. However, passing DP-100 Exam can open up many career opportunities for professionals in the data science field. Successful candidates will be able to demonstrate their expertise in designing and implementing data science solutions on Azure, which is a highly sought-after skill in today's job market.

## New DP-100 Exam Pattern - Reliable DP-100 Test Sims

Our DP-100 learning guide are developed in three versions which are the PDF, Software and APP online versions. The PDF version of DP-100 training materials is convenient for you to print, the software version can provide practice test for you and the online version of our DP-100 Study Materials is for you to read anywhere at any time. If you are hesitating about which version should you choose, you can download our DP-100 free demo first to get a firsthand experience before you make any decision.

Microsoft DP-100 certification exam is designed to test the skills of data professionals who want to design and implement data science solutions on the Azure platform. DP-100 exam is intended for individuals who have experience working with Azure data services and are familiar with data science concepts and techniques. DP-100 Exam covers a wide range of topics, including data exploration and preparation, modeling, deployment, and monitoring.

## Microsoft Designing and Implementing a Data Science Solution on Azure Sample Questions (Q466-Q471):

### NEW QUESTION # 466

You create a multi-class image classification deep learning model.

The model must be retrained monthly with the new image data fetched from a public web portal. You create an Azure Machine Learning pipeline to fetch new data, standardize the size of images, and retrain the model.

You need to use the Azure Machine Learning SDK to configure the schedule for the pipeline.

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

#### Answer:

Explanation:

Explanation

Step 1: Publish the pipeline.

To schedule a pipeline, you'll need a reference to your workspace, the identifier of your published pipeline, and the name of the experiment in which you wish to create the schedule.

Step 2: Retrieve the pipeline ID.

Needed for the schedule.

Step 3: Create a ScheduleRecurrence..

To run a pipeline on a recurring basis, you'll create a schedule. A Schedule associates a pipeline, an experiment, and a trigger.

First create a schedule. Example: Create a Schedule that begins a run every 15 minutes:

recurrence = ScheduleRecurrence(frequency="Minute", interval=15)

Step 4: Define an Azure Machine Learning pipeline schedule..

Example, continued:

```
recurring_schedule = Schedule.create(ws, name="MyRecurringSchedule",
description="Based on time",
pipeline_id=pipeline_id,
experiment_name=experiment_name,
recurrence=recurrence)
```

Reference:

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

### NEW QUESTION # 467

Hotspot Question

You publish a batch inferencing pipeline that will be used by a business application.

The application developers need to know which information should be submitted to and returned by the REST interface for the published pipeline.

You need to identify the information required in the REST request and returned as a response from the published pipeline.

Which values should you use in the REST request and to expect in the response? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

#### Answer:

Explanation:

Explanation:

Box 1: JSON containing an OAuth bearer token

Specify your authentication header in the request.

To run the pipeline from the REST endpoint, you need an OAuth2 Bearer-type authentication header.

Box 2: JSON containing the experiment name

Add a JSON payload object that has the experiment name.

Example:

```
rest_endpoint = published_pipeline.endpoint
```

```
response = requests.post(rest_endpoint,
```

```
headers=auth_header,
```

```
json={"ExperimentName": "batch_scoring",
```

```
"ParameterAssignments": {"process_count_per_node": 6}}})
```

Box 3: JSON containing the run ID

Make the request to trigger the run. Include code to access the Id key from the response dictionary to get the value of the run ID.

Reference:

<https://docs.microsoft.com/en-us/azure/machine-learning/tutorial-pipeline-batch-scoring-classification>

### NEW QUESTION # 468

You create machine learning models by using Azure Machine Learning.

You plan to train and score models by using a variety of compute contexts. You also plan to create a new compute resource in Azure Machine Learning studio.

You need to select the appropriate compute types.

Which compute types should you select? To answer, drag the appropriate compute types to the correct requirements. Each compute type may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

#### Answer:

Explanation:

Explanation:

Box 1: Attached compute

Box 2: Inference cluster

Box 3: Training cluster

Box 4: Attached compute

### NEW QUESTION # 469

You need to implement early stopping criteria as suited in the model training requirements.

Which three code segments should you use to develop the solution? To answer, move the appropriate code segments from the list of code segments to the answer area and arrange them in the correct order.

NOTE: More than one order of answer choices is correct. You will receive credit for any of the correct orders you select.

#### Answer:

Explanation:

1 - from azureml.train.hyperdrive

2 - import TruncationSelectionPolicy

3 - early\_termination\_policy = ....

Reference:

<https://docs.microsoft.com/en-us/azure/machine-learning/service/how-to-tune-hyperparameters>

### NEW QUESTION # 470

You are creating a binary classification by using a two-class logistic regression model.

You need to evaluate the model results for imbalance.

Which evaluation metric should you use?

- A. Relative Absolute Error
- B. Mean Absolute Error
- C. Relative Squared Error
- D. AUC Curve

**Answer: D**

### Explanation:

One can inspect the true positive rate vs. the false positive rate in the Receiver Operating Characteristic (ROC) curve and the corresponding Area Under the Curve (AUC) value. The closer this curve is to the upper left corner, the better the classifier's performance is (that is maximizing the true positive rate while minimizing the false positive rate). Curves that are close to the diagonal of the plot, result from classifiers that tend to make predictions that are close to random guessing.

## References:

<https://docs.microsoft.com/en-us/azure/machine-learning/studio/evaluate-model-performance#evaluating-a-binary-classification-model>

## NEW QUESTION # 471

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**New DP-100 Exam Pattern:** <https://www.braindumpspass.com/Microsoft/DP-100-practice-exam-dumps.html>

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