EDUSUM
#1 Online Certification Guide

MICROSOFT DP-100 STUDY GUIDE PDF

Grab the Microsoft Designing and Implementing a Data Science Solution on Azure Certification PDF Questions & Answers

Details of the Exam-Syllabus-Questions

Table of Contents:

Get an Overview of the DP-100 Certification:

Who should take the **DP-100 exam**? This is the first question that comes to a candidate's mind when preparing for the Designing and Implementing a Data Science Solution on Azure certification. The DP-100 certification is suitable for candidates who are keen to earn knowledge on the Microsoft Azure and grab their Microsoft Certified - Azure Data Scientist Associate. When it is about starting the preparation, most candidates get confused regarding the study materials and study approach. But DP-100 study guide PDF is here to solve the problem. DP-100 PDF combines some effective sample questions and offers valuable tips to pass the exam with ease.

Why Should You Earn the Microsoft DP-100 Certification?

There are several reasons why one should grab the DP-100 certification.

- The Designing and Implementing a Data Science Solution on Azure certification proves to be one of the most recognized certifications.
- The certification badge proves the knowledge of the candidate regarding subject matters and makes his resume presentable to potential candidates.
- Thus earning the **Microsoft Certified - Azure Data Scientist Associate** is a powerful qualification for a prosperous career.

What is the Microsoft DP-100 Designing and Implementing a Data Science Solution on Azure Certification Exam Structure?

Exam Name	Microsoft Certified - Azure Data Scientist Associate
Exam Code	DP-100
Exam Price	$165 (USD)
Duration	120 mins
Number of Questions	40-60
Passing Score	700 / 1000
Books / Training	**DP-100T01-A: Designing and Implementing a Data Science Solution on Azure**
Schedule Exam	**Pearson VUE**
Sample Questions	**Microsoft Designing and Implementing a Data Science Solution on Azure Sample Questions**
Practice Exam	**Microsoft DP-100 Certification Practice Exam**

Enhance Knowledge with DP-100 Sample Questions:

Question: 1

You retrain an existing model. You need to register the new version of a model while keeping the current version of the model in the registry. What should you do?

a) Register a model with a different name from the existing model and a custom property named version with the value 2.
b) Register the model with the same name as the existing model.
c) Save the new model in the default datastore with the same name as the existing model. Do not register the new model.
d) Delete the existing model and register the new one with the same name.

Answer: a

Question: 2

You use the Two-Class Neural Network module in Azure Machine Learning Studio to build a binary classification model. You use the Tune Model Hyperparameters module to tune accuracy for the model.
You need to configure the Tune Model Hyperparameters module. Which two values should you use?
Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

a) Number of hidden nodes
b) Learning Rate
c) The type of the normalizer
d) Number of learning iterations
e) Hidden layer specification

Answer: b, d

Question: 3

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)

Answer: e

Question: 4

You use Azure Machine Learning designer to create a training pipeline for a regression model. You need to prepare the pipeline for deployment as an endpoint that generates predictions asynchronously for a dataset of input data values. What should you do?

a) Clone the training pipeline.
b) Create a batch inference pipeline from the training pipeline.
c) Create a real-time inference pipeline from the training pipeline.
d) Replace the dataset in the training pipeline with an Enter Data Manually module.

Answer: b

Question: 5

You are analyzing a dataset by using Azure Machine Learning Studio. You need to generate a statistical summary that contains the p-value and the unique count for each feature column.

Which two modules can you use?

Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

a) Computer Linear Correlation
b) Export Count Table
c) Execute Python Script
d) Convert to Indicator Values
e) Summarize Data

Answer: b, e

Question: 6

You plan to provision an Azure Machine Learning Basic edition workspace for a data science project. You need to identify the tasks you will be able to perform in the workspace.

Which three tasks will you be able to perform?

Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

a) Create a Compute Instance and use it to run code in Jupyter notebooks.
b) Create an Azure Kubernetes Service (AKS) inference cluster.
c) Use the designer to train a model by dragging and dropping pre-defined modules.
d) Create a tabular dataset that supports versioning.
e) Use the Automated Machine Learning user interface to train a model.

Answer: a, b, d

Question: 7

You train a machine learning model. You must deploy the model as a real-time inference service for testing.

The service requires low CPU utilization and less than 48 MB of RAM. The compute target for the deployed service must initialize automatically while minimizing cost and administrative overhead.

Which compute target should you use?

a) Azure Container Instance (ACI)
b) attached Azure Databricks cluster
c) Azure Kubernetes Service (AKS) inference cluster
d) Azure Machine Learning compute cluster

Answer: a

Question: 8

You are building a regression model for estimating the number of calls during an event. You need to determine whether the feature values achieve the conditions to build a Poisson regression model.

Which two conditions must the feature set contain?

Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

a) The label data must be a negative value.
b) The label data must be whole numbers.
c) The label data must be non-discrete.
d) The label data must be a positive value.
e) The label data can be positive or negative.

Answer: b, d

Question: 9

You plan to use a Deep Learning Virtual Machine (DLVM) to train deep learning models using Compute Unified Device Architecture (CUDA) computations.

You need to configure the DLVM to support CUDA. What should you implement?

a) Solid State Drives (SSD)
b) Computer Processing Unit (CPU) speed increase by using overclocking
c) Graphic Processing Unit (GPU)
d) High Random Access Memory (RAM) configuration
e) Intel Software Extensions (Intel SGX) technology

Answer: c

Question: 10

How many data scientists can work on a single compute instance that has 8 cores and 56 GB of RAM?

a) Up to five.
b) Up to two.
c) Only one.Up to five.
d) As many as they want, as long as they don't deplete the compute resources.

Answer: c

What Study Guide Works Best in acing the Microsoft DP-100 Designing and Implementing a Data Science Solution on Azure Certification?

The DP-100 study guide is a combination of some proven study tips and the combination of all valuable study materials like sample questions, syllabus and practice tests in one place.

Explore the Syllabus Topics and Learn from the Core:

If you are determined to earn success in the Designing and Implementing a Data Science Solution on Azure exam, getting in full touch of the **syllabus** is mandatory. During preparation, you might not like all syllabus sections or topics, but try to get

at least the fundamental knowledge from the sections you don't like. The more you possess knowledge on all syllabus sections, the more is the chance to attempt maximum number of questions during the actual exam.

Make Your Schedule:

Studying and completing the syllabus becomes easier, if you work on the syllabus topics after making a schedule. Your syllabus must mention what areas you want to cover and within what time. Once you make a schedule and follow it regularly, syllabus completion becomes easier and preparation becomes smoother.

Get Expert Advice from the Training:

Do not forget to join the Microsoft DP-100 training if it is providing any. Training enhances the practical knowledge of a candidate, which helps them to work well in the practical field during projects.

Get Access to the PDF Sample Questions:

If your study material is in a **PDF format** or the materials are mobile-friendly, what could be better than that? Get access to the free sample questions and keep enhancing your knowledge beyond the syllabus.

Avoid Dumps and utilize the Microsoft DP-100 Practice Test:

Why should you rely on practice tests? The reason is simple: you must get familiar with the exam pattern before reaching the exam hall. An aspirant aware of the exam structure and time management during the exam preparation can perform well in the actual exam and attempt the maximum number of questions during the exam.

Many aspirants prefer to read from dumps, but they miss out on the self assessment method. Therefore, DP-100 practice tests always stand out to be the better choice than dumps PDF.

Avail the Proven DP-100 Practice Test for Success!!!

Do you want to pass the DP-100 exam on your first attempt? Stop worrying; we, EduSum.com are here to provide you the best experience during your Designing and Implementing a Data Science Solution on Microsoft Azure preparation. Try out our free mock tests to get a glimpse of our quality study materials, and build your confidence with the premium **DP-100 practice tests**. Our expert-designed questions help you to improve performance and pass the exam on your first attempt.