

DP-100: Designing and Implementing a Data Science Solution on Azure (DP-100T01-A) (EN)

Group Training

Training code CGADP100CE

Spoken Language English

Language Materials English

Dayparts 6

Price €1.800,00

excl. VAT No extra costs.

What is DP-100: Designing and Implementing a Data Science Solution on Azure (DP-100T01-A)

This training is designed to help you understand how to operate machine learning solutions at cloud scale using Azure Machine Learning. It will enable you to leverage your existing knowledge of Python and machine learning to manage data ingestion and preparation, model training and deployment, and machine learning solution monitoring in Microsoft Azure.

Who should attend DP-100: Designing and Implementing a Data Science Solution on Azure (DP-100T01-A)

- Data Scientists: This training is ideal for data scientists looking to expand their knowledge on Azure Machine Learning.
- Al Engineers: Al engineers can benefit from learning how to implement machine learning solutions at
- Machine Learning Practitioners: Those already practicing machine learning can deepen their understanding of data ingestion and preparation.
- Python Programmers: Python programmers interested in machine learning can learn how to leverage their existing skills in a new context.
- Cloud Solution Architects: Architects can learn how to design and implement a data science solution on Azure.



Prerequisites

Basic knowledge of Python programming and machine learning concepts is recommended.

Objectives

At the end of the training you will be able to:

- Provision an Azure Machine Learning workspace
- Use tools and code to work with Azure Machine Learning
- Use designer to train a machine learning model
- Deploy a designer pipeline as a service
- Run code-based experiments in an Azure Machine Learning workspace
- Train and register machine learning models
- Create and consume Datastores and Datasets
- Create and use environments and compute targets
- Create pipelines to automate machine learning workflows
- Publish and run pipeline services
- Publish a model as a real-time inference service
- Publish a model as a batch inference service
- Optimize hyperparameters for model training
- Use automated machine learning to find the optimal model for your data
- Generate model explanations with automated machine learning
- Use explainers to interpret machine learning models
- Use application insights to monitor a published model
- Monitor data drift

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