academy

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	€2.000,00 excl. VAT No extra costs.

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

Learn how to operate machine learning solutions at cloud scale using Azure Machine Learning. This course teaches 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)

This course is designed for data scientists with existing knowledge of Python and machine learning frameworks like Scikit-Learn, PyTorch, and Tensorflow, who want to build and operate machine learning solutions in the cloud.

Prerequisites

Before attending this course, students must have:
A fundamental knowledge of Microsoft Azure

- Experience of writing Python code to work with data, using libraries such as Numpy, Pandas, and Matplotlib.
- Understanding of data science; including how to prepare data, and train machine learning models

academy

using common machine learning libraries such as Scikit-Learn, PyTorch, or Tensorflow.

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
- Create and consume Datasets
- Create and use environments
- Create and use 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

If a third-party copyright applies to this course, you will find the copyright on https://academy.capgemini.nl/en/topic/trademarks/

Capgemini Academy's general terms and conditions are applied to all products and services mentioned within this document. For the latest version please check https://academy.capgemini.com/. The rates of products and services mentioned in this document are subject to change. For the most recent rates, please also visit our website.

About Capgemini Academy

Capgemini Academy's professionals offer what people in IT need. Our professionals have a keen eye for motivation, talent and are aware of specific contexts and circumstances. They move people to move. Programmes and courses that originate from daily experience of our both didactical and substantively strong trainers, light a fire within the individual IT professionals.
Real life stories of our professionals' experience that tell how to solve problems and work with the people around it, do the rest.

An organization, like ours, helps people and their organizations day by day to get the best out of themselves and each other. We prepare them to defy tomorrow's challenges. We stimulate learning and curiosity. In order for individual IT professionals and their employers, to build better, longer and more intensive relationships. For mutual benefit.

Capgemini Academy. We transform IT professionals
academy.capgemini.nl

IN/3A-018.18