

# MDAI-2 - MOC DP-100T01 - DESIGNING AND IMPLEMENTING A DATA SCIENCE SOLUTION ON AZURE

Categoria: **Data & AI**

## INFORMAZIONI SUL CORSO



**Durata:**  
4 Giorni



**Categoria:**  
Data & AI



**Qualifica Istruttore:**  
Microsoft Certified  
Trainer



**Dedicato a:**  
Professionista IT



**Produttore:**  
Microsoft

## OBIETTIVI

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 with Azure Machine Learning and MLflow.

## PREREQUISITI

Successful Azure Data Scientists start this role with a fundamental knowledge of cloud computing concepts, and experience in general data science and machine learning tools and techniques.

Specifically:

- Creating cloud resources in Microsoft Azure.
- Using Python to explore and visualize data.
- Training and validating machine learning models using common frameworks like Scikit-Learn, PyTorch, and TensorFlow.
- Working with containers

To gain these prerequisite skills, take the following course:

- AZ-900T00 - Microsoft Azure Fundamentals
- DP-900T00 - Microsoft Azure Data Fundamentals
- AI-900T00 - Microsoft Azure AI Fundamentals

## CONTENUTI

**Design a machine learning solution**

**Explore the Azure Machine Learning workspace**

**Work with data in Azure Machine Learning**

**Work with compute in Azure Machine Learning**

**Automate machine learning model selection with Azure Machine Learning**

Use notebooks for experimentation in Azure Machine Learning

Train models with scripts in Azure Machine Learning

Optimize model training with pipelines in Azure Machine Learning

Manage and review models in Azure Machine Learning

Deploy and consume models with Azure Machine Learning

## INFO

**Esame:** DP-100 - Designing and implementing a data science solution on Azure

**Materiale didattico:** Materiale didattico ufficiale Microsoft in formato digitale

**Costo materiale didattico:** incluso nel prezzo del corso a Calendario

**Natura del corso:** Operativo (previsti lab su PC)