

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

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.

To gain these prerequisite skills, take the following courses:

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

CONTENUTI

Design a machine learning solution

- Design a data ingestion strategy for machine learning projects
- Design a machine learning model training solution
- Design a model deployment solution
- Design a machine learning operations solution

Explore and configure the Azure Machine Learning workspace

- Explore Azure Machine Learning workspace resources and assets
- Explore developer tools for workspace interaction
- Make data available in Azure Machine Learning
- Work with compute targets in Azure Machine Learning
- Work with environments in Azure Machine Learning

Experiment with Azure Machine Learning

- Find the best classification model with Automated Machine Learning

- Track model training in Jupyter notebooks with MLflow

Optimize model training with Azure Machine Learning

- Run a training script as a command job in Azure Machine Learning
- Track model training with MLflow in jobs
- Perform hyperparameter tuning with Azure Machine Learning
- Run pipelines in Azure Machine Learning

Manage and review models in Azure Machine Learning

- Register an MLflow model in Azure Machine Learning
- Create and explore the Responsible AI dashboard for a model in Azure Machine Learning

Deploy and consume models with Azure Machine Learning

- Deploy a model to a managed online endpoint
- Deploy a model to a batch endpoint

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)