



DP-100T01 - Designing and Implementing a Data Science Solution on Azure

Microsoft - Microsoft Azure - Virtualizzazione e Cloud

Durata:

3 Giorni

Lingue:

Italiano

Certificazione:

Microsoft Certified: Azure Data Scientist Associate

Descrizione del corso

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. This course is preparatory to the Exam DP-100: Designing and Implementing a Data Science Solution on Azure valid for Microsoft Certified: Azure Data Scientist Associate

Programma

Module 1: Getting Started with Azure Machine Learning

- Introduction to Azure Machine Learning
- Working with Azure Machine Learning

Module 2: Visual Tools for Machine Learning

- Automated Machine Learning
- Azure Machine Learning Designer

Module 3: Running Experiments and Training Models

ITCore Group

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- Introduction to Experiments
- Training and Registering Models

Module 4: Working with Data

- Working with Datastores
- Working with Datasets

Module 5: Working with Compute

- Working with Environments
- Working with Compute Targets

Module 6: Orchestrating Operations with Pipelines

- Introduction to Pipelines
- Publishing and Running Pipelines

Module 7: Deploying and Consuming Models

- Real-time Inferencing
- Batch Inferencing
- Continuous Integration and Delivery

Module 8: Training Optimal Models

- Hyperparameter Tuning
- Automated Machine Learning

Module 9: Responsible Machine Learning

- Differential Privacy
- Model Interpretability
- Fairness

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Module 10: Monitoring Models

- Monitoring Models with Application Insights
- Monitoring Data Drift

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