

DP - 3007 : Train and deploy a machine learning model with Azure Machine Learning

Course Outline

Module 1: Make data available in Azure Machine Learning

- Access data by using Uniform Resource Identifiers (URIs)
- Connect to cloud data sources with datastores
- Use data assets to access specific files or folders

Module 2: Work with compute targets in Azure Machine Learning

- Choose the appropriate compute target
- Work with compute instances and clusters
- Manage installed packages with environments

Module 3: Work with environments in Azure Machine Learning

- Understand environments in Azure Machine Learning
- Explore and use curated environments
- Create and use custom environments

Module 4: Run a training script as a command job in Azure Machine Learning

- Convert a notebook to a script
- Test scripts in a terminal
- Run a script as a command job
- Use parameters in a command job

Module 5: Track model training with MLflow in jobs

- Use MLflow when you run a script as a job
- Review metrics, parameters, artifacts, and models from a run

Module 6: Register an MLflow model in Azure Machine Learning

- Log models with MLflow
- Understand the MLmodel format
- Register an MLflow model in Azure Machine Learning

Module 7: Deploy a model to a managed online endpoint

- Use managed online endpoints
- Deploy your MLflow model to a managed online endpoint
- Deploy a custom model to a managed online endpoint
- Test online endpoints