

Szkolenie: Microsoft
DP-200T01+DP-201T01 Azure Data Engineer Associate (exams:
DP-200+DP-201)



DOSTĘPNE TERMINY

2021-06-14 | 5 dni | Wirtualna sala

Cel szkolenia:

Pięciodniowe szkolenie **DP-200T01+DP-201T01 Azure Data Engineer Associate (exams: DP-200+DP-201)** zawiera w sobie następujące moduły: [DP-200T01 Implementing an Azure Data Solution](#), [DP-201T01 Designing an Azure Data Solution](#).

Plan szkolenia:

- DP-200T01 Implementing an Azure Data Solution
 - Azure for the Data Engineer
 - Explain the evolving world of data
 - Survey the services in the Azure Data Platform
 - Identify the tasks that are performed by a Data Engineer
 - Describe the use cases for the cloud in a Case Study
 - Lab : Azure for the Data Engineer
 - Identify the evolving world of data
 - Determine the Azure Data Platform Services
 - Identify tasks to be performed by a Data Engineer
 - Finalize the data engineering deliverables
 - Working with Data Storage
 - Choose a data storage approach in Azure
 - Create an Azure Storage Account
 - Explain Azure Data Lake storage
 - Upload data into Azure Data Lake
 - Lab : Working with Data Storage
 - Choose a data storage approach in Azure
 - Create a Storage Account
 - Explain Data Lake Storage

- Upload data into Data Lake Store
- Enabling Team Based Data Science with Azure Databricks
 - Explain Azure Databricks
 - Work with Azure Databricks
 - Read data with Azure Databricks
 - Perform transformations with Azure Databricks
 - Lab : Enabling Team Based Data Science with Azure Databricks
 - Explain Azure Databricks
 - Work with Azure Databricks
 - Read data with Azure Databricks
 - Perform transformations with Azure Databricks
- Building Globally Distributed Databases with Cosmos DB
 - Create an Azure Cosmos DB database built to scale
 - Insert and query data in your Azure Cosmos DB database
 - Build a .NET Core app for Cosmos DB in Visual Studio Code
 - Distribute your data globally with Azure Cosmos DB
 - Lab : Building Globally Distributed Databases with Cosmos DB
 - Create an Azure Cosmos DB
 - Insert and query data in Azure Cosmos DB
 - Build a .Net Core App for Azure Cosmos DB using VS Code
 - Distribute data globally with Azure Cosmos DB
- Working with Relational Data Stores in the Cloud
 - Use Azure SQL Database
 - Describe Azure SQL Data Warehouse
 - Creating and Querying an Azure SQL Data Warehouse
 - Use PolyBase to Load Data into Azure SQL Data Warehouse
 - Lab : Working with Relational Data Stores in the Cloud
 - Use Azure SQL Database
 - Describe Azure SQL Data Warehouse
 - Creating and Querying an Azure SQL Data Warehouse
 - Use PolyBase to Load Data into Azure SQL Data Warehouse
- Performing Real-Time Analytics with Stream Analytics
 - Explain data streams and event processing
 - Data Ingestion with Event Hubs
 - Processing Data with Stream Analytics Jobs
 - Lab : Performing Real-Time Analytics with Stream Analytics

- Explain data streams and event processing
 - Data Ingestion with Event Hubs
 - Processing Data with Stream Analytics Jobs
- Orchestrating Data Movement with Azure Data Factory
 - Explain how Azure Data Factory works
 - Azure Data Factory Components
 - Azure Data Factory and Databricks
 - Lab : Orchestrating Data Movement with Azure Data Factory
 - Explain how Data Factory Works
 - Azure Data Factory Components
 - Azure Data Factory and Databricks
- Securing Azure Data Platforms
 - An introduction to security
 - Key security components
 - Securing Storage Accounts and Data Lake Storage
 - Securing Data Stores
 - Securing Streaming Data
 - Lab : Securing Azure Data Platforms
 - An introduction to security
 - Key security components
 - Securing Storage Accounts and Data Lake Storage
 - Securing Data Stores
 - Securing Streaming Data
- Monitoring and Troubleshooting Data Storage and Processing
 - Explain the monitoring capabilities that are available
 - Troubleshoot common data storage issues
 - Troubleshoot common data processing issues
 - Manage disaster recovery
 - Lab : Monitoring and Troubleshooting Data Storage and Processing
 - Explain the monitoring capabilities that are available
 - Troubleshoot common data storage issues
 - Troubleshoot common data processing issues
 - Manage disaster recovery
- DP-201T01 Designing an Azure Data Solution
 - Data Platform Architecture Considerations
 - Core Principles of Creating Architectures

- Design with Security in Mind
- Performance and Scalability
- Design for availability and recoverability
- Design for efficiency and operations
- Case Study
- Lab : Case Study
 - Design with security in mind
 - Consider performance and scalability
 - Design for availability and recoverability
 - Design for efficiency and operations
- Azure Batch Processing Reference Architectures
 - Lambda architectures from a Batch Mode Perspective
 - Design an Enterprise BI solution in Azure
 - Automate enterprise BI solutions in Azure
 - Architect an Enterprise-grade Conversational Bot in Azure
 - Lab : Architect an Enterprise-grade Conversational Bot in Azure
 - Designing an Enterprise BI solution in Azure
 - Automate an Enterprise BI solution in Azure
 - Automate an Enterprise BI solution in Azure
- Azure Real-Time Reference Architectures
 - Lambda architectures for a Real-Time Perspective
 - Architect a stream processing pipeline with Azure Stream Analytics
 - Design a stream processing pipeline with Azure Databricks
 - Create an Azure IoT reference architecture
 - Lab : Azure Real-Time Reference Architectures
 - Architect a stream processing pipeline with Azure Stream Analytics
 - Design a stream processing pipeline with Azure Databricks
 - Create an Azure IoT reference architecture
- Data Platform Security Design Considerations
 - Defense in Depth Security Approach
 - Identity Management
 - Infrastructure Protection
 - Encryption Usage
 - Network Level Protection
 - Application Security
 - Lab : Data Platform Security Design Considerations

- Defense in Depth Security Approach
- Identity Protection
- Designing for Resiliency and Scale
 - Adjust Workload Capacity by Scaling
 - Optimize Network Performance
 - Design for Optimized Storage and Database Performance
 - Identifying Performance Bottlenecks
 - Design a Highly Available Solution
 - Incorporate Disaster Recovery into Architectures
 - Design Backup and Restore strategies
 - Lab : Designing for Resiliency and Scale
 - Adjust Workload Capacity by Scaling
 - Design for Optimized Storage and Database Performance
 - Design a Highly Available Solution
 - Incorporate Disaster Recovery into Architectures
- Design for Efficiency and Operations
 - Maximizing the Efficiency of your Cloud Environment
 - Use Monitoring and Analytics to Gain Operational Insights
 - Use Automation to Reduce Effort and Error
 - Lab : Design for Efficiency and Operations
 - Maximize the Efficiency of your Cloud Environment
 - Use Monitoring and Analytics to Gain Operational Insights
 - Use Automation to Reduce Effort and Error

Wymagania:

In addition to their professional experience, students who take this training should have technical knowledge equivalent to the following courses:

- [Azure fundamentals](#)

Poziom trudności



Certyfikaty:

Uczestnicy kursu **DP-200T01+DP-201T01 Azure Data Engineer Associate (exams:**

DP-200+DP-201) otrzymują **certyfikat** ukończenia autoryzowanego szkolenia **Microsoft**.

Prowadzący:

Microsoft Certified Trainer.

Informacje dodatkowe:

Zajęcia prowadzone są w języku polskim, materiały źródłowe oraz oprogramowanie są w języku angielskim.