

Learning Path for Azure Data Engineer

Azure Data Engineers design and implement the management, monitoring, security, and privacy of data using the full stack of Azure data services to satisfy business needs.

aka.ms/AzureDataEngLearning



In-depth courses

Implementing an Azure Data Solution DP-200T01-A

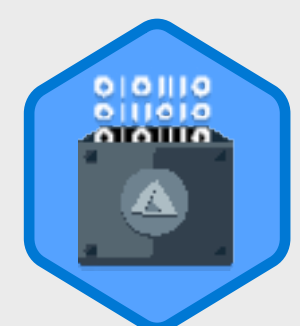
Microlearnings: free interactive tutorials at Microsoft Learn



Azure Fundamentals

9H 39M – 12 Modules

1. Principles of cloud computing
2. Introduction to Azure
3. Azure architecture and service guarantees
4. Create an Azure account
5. Manage services with Azure portal
6. Azure compute options
7. Azure data storage options
8. Azure networking options
9. Security, responsibility and trust in Azure
10. Apply and monitor infrastructure standards with Azure Policy
11. Control and organize Azure resources with Azure Resource Manager
12. Predict costs and optimize spending for Azure



Store data in Azure

3H 50M – 5 Modules

1. Choose a data storage approach in Azure
2. Create an Azure Storage account
3. Connect an app to Azure Storage
4. Secure your Azure Storage account
5. Store application data with Azure Blob storage



Large Scale Data Processing with ADLS G2

2H 5M – 3 Modules

1. Introduction to Azure Data Lake Storage
2. Upload Data to Azure Data Lake Storage
3. Secure your Azure Storage Account



Build a modern data warehouse with Azure Databricks

10H 23M – 9 Modules

1. Introduction to Azure Databricks
2. Access SQL Datawarehouse instances with Azure Databricks
3. Data ingestion with Azure data factory
4. Read and write data using Azure Databricks
5. Perform basic data transformations in Azure Databricks
6. Perform advanced data transformation in Azure Databricks
7. Create data pipelines using Databricks Delta
8. Work with streaming data in Azure Databricks
9. Create data visualizations using Azure Databricks and Power BI



Azure for the Data Engineer

1H 51M – 3 Modules

1. Understand the evolving world of data
2. Survey the services in the Azure Data Platform
3. Identify the tasks a Data Engineer performs in a cloud-hosted architecture



Work with relational data in Azure

1H 34M – 2 Modules

1. Provision an Azure SQL database to store application data
2. Create an Azure Database for PostgreSQL server



Implement a Data Streaming Solution with Azure Stream Analytics

1H 14M – 2 Modules

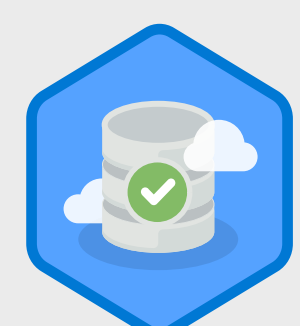
1. Work with data streams using Azure Stream Analytics
2. Transform data with Azure Stream Analytics



Work with NoSQL data in Azure Cosmos DB

2H 27M – 4 Modules

1. Create an Azure Cosmos DB database built to scale
2. Insert and query data in your Azure Cosmos DB database
3. Build a .NET Core app for Azure Cosmos DB in Visual Studio Code
4. Distribute your data globally with Azure Cosmos DB



Implement a Data Warehouse with Azure SQL Data Warehouse

3H 21M – 4 Modules

1. Design a Data Warehouse with Azure SQL Data Warehouse
2. Query Data in Azure SQL Data Warehouse
3. Import data into Azure SQL Data Warehouse using PolyBase
4. Data Warehouse Security



Extract knowledge and insights from your data with Azure Databricks

4H 38M – 5 Modules

1. Introduction to Azure Databricks
2. Perform exploratory data analysis with Azure Databricks
3. Perform model training, evaluation and selection with Azure Databricks
4. Deep learning in Azure Databricks
5. Perform text analytics with Azure Databricks

In-depth courses

Designing an Azure Data Solution DP-201T01-A



Exam DP-200:
Implementing an Azure Data Solution

Become a Microsoft Certified Professional

Certification helps establish your credentials with current and future employers.

Pass certification exams DP-200 and DP-201 to become a [Microsoft Certified: Azure Data Engineer Associate](#)



Exam DP-201:
Designing an Azure Data Solution

Training options help you learn new skills that may better prepare you for your career and lay the foundation for success on our certification exams. Information subject to change. For the latest information, visit aka.ms/learn.

Free online microlearning:
Microsoft.com/Learn

Assess your skills at Pluralsight:
pluralsight.com/partners/microsoft/azure

Find a Learning Partner:
aka.ms/LearningPartner

Microsoft Certification:
aka.ms/RoleBasedCert

