

Items in this collection

LEARNING PATH
Microsoft Azure Data Fundamentals: Explore data analytics in Azure
3 modules • 3 hr 31 min
100% completed

LEARNING PATH
Microsoft Azure AI Fundamentals: Get started with artificial intelligence
4 modules • 4 hr 7 min
100% completed

LEARNING PATH
Work with data in Azure Machine Learning
1 module • 39 min
100% completed

LEARNING PATH
Microsoft Azure Data Fundamentals: Explore relational data in Azure
2 modules • 1 hr 13 min
100% completed

Section


Feedback • Help • Privacy • Terms • Blog • Contribute • Privacy

Upcoming Earnings

Snipping Tool
Screenshot copied to clipboard and saved
Select here to mark up and share the image

10/25/2023 8:04 AM

Modules in this learning path



Explore fundamentals of large-scale analytics


1 hr 32 min • Module • 10 Units

★★★★★ 4.8 (10,415)

Organizations use analytics platforms to build large scale data analytics solutions that generate insights and drive success. Microsoft provides multiple technologies that you can combine to build a large scale data analytics solution.

[Overview](#) ▾

[Add](#)



Explore fundamentals of real-time analytics


1 hr 21 min • Module • 11 Units

★★★★★ 4.7 (5,835)

Learn about the basics of stream processing, and the services in Microsoft Azure that you can use to implement real-time analytics solutions.

[Overview](#) ▾

[Add](#)



Explore fundamentals of data visualization

38 min • Module • 7 Units

★★★★★ 4.8 (9,809)

Learn the fundamental principles of analytical data modeling and data visualization, using Microsoft Power BI as a platform to explore these principles in action.

[Overview](#) ▾

[Add](#)

English (United States) Theme ▾ Previous Versions Blog ^u Contribute Privacy ^u Terms of Use Trademarks ^u © Microsoft 2023

The screenshot displays two Microsoft Learn training modules in a web browser. The top module, 'Examine components of modern data warehouse', is marked as 'Completed' and lists 10 items, all with green checkmarks. The bottom module, 'Explore fundamentals of real-time analytics', is also marked as 'Completed' and lists 13 items, all with green checkmarks. Both modules are part of the 'Microsoft Azure Data Fundamentals: Explore data analytics in Azure' learning path.

Module 1: Examine components of modern data warehouse

- Introduction (1 min) ✓
- Describe data warehousing architecture (3 min) ✓
- Explore data ingestion pipelines (5 min) ✓
- Explore analytical data stores (8 min) ✓
- Explore platform-as-a-service (PaaS) solutions (8 min) ✓
- Exercise: Explore data analytics in Azure with Azure Synapse Analytics (30 min) ✓
- Explore Microsoft Fabric (8 min) ✓
- Exercise: Explore Microsoft Fabric (25 min) ✓
- Knowledge check (3 min) ✓
- Summary (1 min) ✓

Module 2: Explore fundamentals of real-time analytics

- Introduction (1 min) ✓
- Understand batch and stream processing (3 min) ✓
- Explore common elements of stream processing architecture (4 min) ✓
- Explore Azure Stream Analytics (2 min) ✓
- Exercise: Explore Azure Stream Analytics (10 min) ✓
- Explore Apache Spark on Microsoft Azure (3 min) ✓
- Exercise: Explore Spark Streaming in Azure Synapse Analytics (10 min) ✓
- Exercise: Explore Realtime Analytics in Microsoft Fabric (3 min) ✓
- Exercise: Explore Realtime Analytics in Microsoft Fabric (20 min) ✓
- Knowledge check (2 min) ✓
- Summary (1 min) ✓

The screenshot displays the Microsoft Learn website interface. The top navigation bar includes links for Getting Started, McAfee Security, Dell, MyDSU, Homepage - DeSales, Inboxes, CS 115: Introduction L, 25Live Pro, Johann Krug | LinkedIn, GitHub, GMetrix, MrWeb - GreenBook J., and a search bar. The main content area features two training modules.

Module 1: Explore fundamentals of data visualization

- Rating: 5 stars (1.0/1.0)
- Level: 1
- Duration: 30 min + Module + 7 units
- Learning objectives:
 - Describe a high-level process for creating reporting solutions with Microsoft Power BI
 - Describe core principles of analytical data modeling
 - Identify common types of data visualization and their uses
 - Create an interactive report with Power BI Desktop
- Prerequisites: None
- This module is part of these learning paths:
 - Microsoft Azure Data Fundamentals: Explore data analytics in Azure
- Progress: 100% (30/30)

Module 2: Microsoft Azure AI Fundamentals: Get started with artificial intelligence

- Rating: 5 stars (1.0/1.0)
- Level: 1
- Duration: 30 min + Module + 3 units
- Learning objectives:
 - Artificial intelligence (AI) empowers amazing new solutions and experiences, and Microsoft Azure provides easy-to-use services to help you get started.
- Prerequisites: None
- This learning path helps prepare you for Exam AI-900: Microsoft Azure AI Fundamentals.
- Progress: 100% (30/30)

Modules in this learning path:

- Get started with AI on Azure**
 - Rating: 5 stars (1.0/1.0)
 - Duration: 30 min
 - With AI, we can build solutions that seemed like science fiction a short time ago, enabling incredible advances in health care, financial management, environmental protection, and other areas to make a better world for everyone.
- Fundamentals of machine learning**
 - Rating: 5 stars (1.0/1.0)
 - Duration: 30 min
 - Machine learning is the basis for most modern artificial intelligence solutions. A familiarity with the core concepts on which machine learning is based is an important foundation for understanding AI.
- Fundamentals of Azure OpenAI Service**
 - Rating: 5 stars (1.0/1.0)
 - Duration: 30 min

The bottom of the page shows a Windows taskbar with the date 10/25/2023 and time 8:05 AM.

The screenshot displays the Microsoft Learn website interface. The top navigation bar includes the Microsoft logo and various links. The main content area shows a learning path titled "Modules in this learning path" with four modules listed:

- Get started with AI on Azure** (4.7 (71,925) stars, 10 min) - 100% completed. Description: With AI, we can build solutions that seemed like science fiction a short time ago: enabling incredible advances in health care, financial management, environmental protection, and other areas to make a better world for everyone.
- Fundamentals of machine learning** (4.7 (872) stars, 10 min) - 100% completed. Description: Machine learning is the basis for most modern artificial intelligence solutions. A familiarity with the core concepts on which machine learning is based is an important foundation for understanding AI.
- Fundamentals of Azure OpenAI Service** (4.8 (18,772) stars, 10 min) - 100% completed. Description: Get to know the connection between artificial intelligence (AI), Responsible AI, and text, code, and image generation. Understand how you can use Azure OpenAI to build solutions against AI models within Azure.
- Fundamentals of Azure AI services** (4.8 (145) stars, 10 min) - 100% completed. Description: In this module, you will learn the fundamentals of how Azure AI services can be used to build applications.

A Snipping Tool window is open over the bottom right of the page, displaying a screenshot of the page content and the text: "Screenshot copied to clipboard and saved. Select here to mark up and share the image."

The bottom of the page shows the Windows taskbar with the search bar, task view button, and various application icons. The system tray shows the date and time: 8:06 AM, 10/25/2023.

The second screenshot shows the "Get started with AI on Azure" module page. The page includes the following information:

- Get started with AI on Azure** (4.7 (71,925) stars, 10 min) - 100% completed.
- Learning objectives**: In this module, you'll learn about the kinds of solutions AI can make possible and considerations for responsible AI practices.
- Prerequisites**: None.
- This module is part of these learning paths**: Microsoft Azure AI Fundamentals: Get started with artificial intelligence.
- Table of contents**: A list of topics with their durations and completion status (all marked as 100% completed).

Topic	Duration	Completion
Introduction to AI	1 min	100%
Understand machine learning	2 min	100%
Understand anomaly detection	3 min	100%
Understand computer vision	2 min	100%
Understand natural language processing	3 min	100%
Understand knowledge mining	3 min	100%
Challenges and risks with AI	3 min	100%
Understand Responsible AI	10 min	100%
Knowledge check	2 min	100%
Summary	1 min	100%

The image shows two screenshots of the Microsoft Learn website. The top screenshot displays the 'Fundamentals of machine learning' module, which is a 1-hour course. It includes a list of learning objectives, prerequisites (basic knowledge of mathematics and familiarity with Microsoft Azure and cloud computing), and a table of contents with 14 items, each marked as completed. The bottom screenshot shows the 'Fundamentals of Azure OpenAI Service' module, a 1-hour course. It also includes learning objectives, prerequisites, and a table of contents with 14 items, each marked as completed. Both screenshots show the user's profile as 'Johann Krug' and the date '10/25/2023'.

Fundamentals of machine learning

1h 54 min • Module • 15,000

Beginner • 4.7 (374) • [Rate it](#)

[Beginner](#) • [Intermediate](#) • [Data Science](#) • [Azure Machine Learning](#)

Machine learning is the basis for most modern artificial intelligence solutions. A familiarity with the core concepts on which machine learning is based is an important foundation for understanding AI.

Learning objectives

After completing this module, you will be able to:

- Describe core concepts of machine learning
- Identify different types of machine learning
- Describe considerations for training and evaluating machine learning models
- Describe core concepts of deep learning
- Use automated machine learning in Azure Machine Learning

[Add](#)

Prerequisites

Before starting this module, you should have:

- A basic knowledge of mathematics
- Familiarity with Microsoft Azure and cloud computing

This module is part of these learning paths

[Microsoft Azure AI Fundamentals: Get started with artificial intelligence](#)

Item	Duration	Completed
Introduction	1 min	✓
What is machine learning?	2 min	✓
Types of machine learning	10 min	✓
Regression	5 min	✓
Binary classification	10 min	✓
Multiclass classification	5 min	✓
Clustering	10 min	✓
Deep learning	5 min	✓
Azure Machine Learning	5 min	✓
Exercise - Use Azure Machine Learning to train a model	40 min	✓
Knowledge check	2 min	✓
Summary	1 min	✓

Fundamentals of Azure OpenAI Service

1h 0 min • Module • 11,000

Beginner • 4.8 (15,774) • [Rate it](#)

[Beginner](#) • [Intermediate](#) • [Student](#) • [Azure AI Best Service](#) • [Azure Machine Learning](#)

Get to know the connection between artificial intelligence (AI), Responsible AI, and text, code, and image generation. Understand how you can use Azure OpenAI to build solutions against AI models within Azure.

Learning objectives

In this module you'll learn how to:

- Describe Azure OpenAI workflows and access the Azure OpenAI Service
- Understand generative AI models
- Understand Azure OpenAI's language, code, and image capabilities
- Understand Azure OpenAI's responsible AI practices and limited access policies

[Add](#)

Prerequisites

None

This module is part of these learning paths

[Microsoft Azure AI Fundamentals: Get started with artificial intelligence](#)

Item	Duration	Completed
Introduction	2 min	✓
What is generative AI?	2 min	✓
Describe Azure OpenAI	5 min	✓
How to use Azure OpenAI	2 min	✓
Understand OpenAI's natural language capabilities	2 min	✓
Understand OpenAI's code generation capabilities	5 min	✓
Understand OpenAI's image generation capabilities	2 min	✓
Describe Azure OpenAI's access and responsible AI policies	2 min	✓
Exercise - Use Azure OpenAI Studio Playground	20 min	✓
Knowledge check	4 min	✓
Summary	1 min	✓

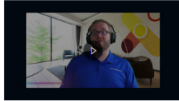
Microsoft Azure Data Fundamentals: Explore relational data in Azure - Training | Microsoft Learn

Learn / Training / DevOps /

Microsoft Azure Data Fundamentals: Explore relational data in Azure

1 hr 13 min • Learning Path • 2 Modules

Beginner Data Analyst Data Engineer Database Administrator Developer Solution Architect Student Azure




Relational data is at the heart of most business applications, and is the foundation on which many enterprise data solutions are built. Microsoft Azure provides services for managing relational databases, enabling you to build new applications or migrate existing ones to the cloud. This learning path helps you prepare for the Azure Data Fundamentals.

This learning path helps prepare you for Exam DP-900: Microsoft Azure Data Fundamentals.

Prerequisites
None

Added

Modules in this learning path



Explore fundamental relational data concepts


37 min • Video • 7 Units

★★★★★ 4.8 (13,582)

Relational database systems are a common way to store and manage transactional and analytical data in organizations of any size around the world.

Overview

Add



Explore relational database services in Azure

26 min • Video • 6 Units

★★★★★ 4.8 (13,130)

Microsoft Azure provides multiple services for relational databases. You can choose the relational database management system that's best for your needs, and host relational data in the cloud.

Overview

Add

42°F Sunny

Search

8:08 AM 10/25/2023

https://learn.microsoft.com/en-us/training/modules/explore-relational-data-offerings/ 67%

Explore fundamental relational data concepts

37 min • Module • 7 Units

★★★★★ 4.8 (13,582) Rate It

Beginner Data Analyst Data Engineer Database Administrator Developer Student Azure

Relational database systems are a common way to store and manage transactional and analytical data in organizations of any size around the world.

Learning objectives

In this module you'll learn how to:

- Identify characteristics of relational data
- Define normalization
- Identify types of SQL statement
- Identify common relational database objects

Add

Prerequisites

None

This module is part of these learning paths

Microsoft Azure Data Fundamentals: Explore relational data in Azure

Introduction	2 min	✓
Understand relational data	8 min	✓
Understand normalization	8 min	✓
Explore SQL	10 min	✓
Describe database objects	9 min	✓
Knowledge check	3 min	✓
Summary	1 min	✓

42°F Sunny

Search

8:08 AM 10/25/2023

42°F Sunny 8:08 AM 10/25/2023

Learn / Training / Browse / Microsoft Azure Data Fundamentals: Explore relational data in Azure /

Explore relational database services in Azure

30 min • Module • 6 Units
★★★★★ 4.8 (13,238) [Rate It](#)
[Beginner](#) [Data Analyst](#) [Data Engineer](#) [Database Administrator](#) [Student](#) [Azure](#)

Microsoft Azure provides multiple services for relational databases. You can choose the relational database management system that's best for your needs, and host relational data in the cloud.

Learning objectives

In this module, you'll learn how to:

- Identify options for Azure SQL services
- Identify options for open-source databases in Azure
- Provision a database service on Azure

[Add](#)

Prerequisites

Before starting this module, you should have a fundamental understanding of relational data concepts and some familiarity with Microsoft Azure and the Azure portal.

This module is part of these learning paths:
[Microsoft Azure Data Fundamentals: Explore relational data in Azure](#)

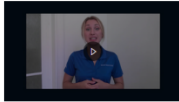
Introduction	1 min	✓
Describe Azure SQL services and capabilities	10 min	✓
Describe Azure services for open-source databases	6 min	✓
Exercise: Explore Azure relational database services	15 min	✓
Knowledge check	3 min	✓
Summary	1 min	✓

42°F Sunny 8:09 AM 10/25/2023

Learn / Training / Browse /

Microsoft Azure Data Fundamentals: Explore core data concepts

40 min • Learning Path • 2 Modules
[Beginner](#) [Data Analyst](#) [Data Engineer](#) [Database Administrator](#) [Developer](#) [Solution Architect](#) [Student](#) [Azure](#)



Data is the foundation on which all software is built. By learning about common data formats, workloads, roles, and services, you can prepare yourself for a career as a data professional. This learning path helps you prepare for the Azure Data Fundamentals certification.


This learning path helps prepare you for [Exam DP-900: Microsoft Azure Data Fundamentals](#).

Prerequisites

None

[Add](#)


Modules in this learning path



Explore core data concepts

20 min • Module • 6 Units
★★★★★ 4.8 (17,192)
Data powers the digital transformation that is sweeping across organizations and society in general. But what is "data", and how is it represented and used?
[Overview >>](#)

[Add](#)



Explore data roles and services

15 min • Module • 6 Units
★★★★★ 4.8 (6,753)
Data professionals perform distinct roles in building and managing software solutions, and work with multiple technologies and services to do so.
[Overview >>](#)

[Add](#)

The screenshot displays the Microsoft Learn website interface. The top navigation bar includes the Microsoft logo, a search bar, and various navigation links. The main content area is divided into two sections, each representing a training module.

Module 1: Explore core data concepts

- Duration:** 30 min • Module • 8 Units
- Rating:** 4.8 (17,518)
- Tags:** Beginner, Business User, Data Analyst, Data Engineer, Database Administrator, Developer, Solution Architect, Student, Azure
- Description:** Data powers the digital transformation that is sweeping across organizations and society in general. But what is "data", and how is it represented and used?
- Learning objectives:** In this module you will learn how to:
 - Identify common data formats
 - Describe options for storing data in files
 - Describe options for storing data in databases
 - Describe characteristics of transactional data processing solutions
 - Describe characteristics of analytical data processing solutions
- Prerequisites:** None
- This module is part of these learning paths:** Microsoft Azure Data Fundamentals: Explore core data concepts
- Progress:** 67% (10/15)
- Learning path items:**
 - Introduction (1 min) ✓
 - Identify data formats (5 min) ✓
 - Explore file storage (5 min) ✓
 - Explore databases (8 min) ✓
 - Explore transactional data processing (5 min) ✓
 - Explore analytical data processing (5 min) ✓
 - Knowledge check (2 min) ✓
 - Summary (1 min) ✓

Module 2: Explore data roles and services

- Duration:** 15 min • Module • 5 Units
- Rating:** 4.8 (16,725)
- Tags:** Beginner, Data Analyst, Data Engineer, Database Administrator, Student, Azure
- Description:** Data professionals perform distinct roles in building and managing software solutions, and work with multiple technologies and services to do so.
- Learning objectives:** In this module you will learn how to:
 - Identify common data professional roles
 - Identify common cloud services used by data professionals
- Prerequisites:** None
- This module is part of these learning paths:** Microsoft Azure Data Fundamentals: Explore core data concepts
- Progress:** 67% (10/15)
- Learning path items:**
 - Introduction (1 min) ✓
 - Explore job roles in the world of data (5 min) ✓
 - Identify data services (5 min) ✓
 - Knowledge check (3 min) ✓
 - Summary (1 min) ✓

The bottom of the page features a footer with language settings (English (United States)), theme options, and various links (Previous Versions, Blog, Contribute, Privacy, Terms of Use, Trademarks) and copyright information (© Microsoft 2023).