Microsoft Azure Data Fundamentals – Intensive Training («DP900»)

In this course, students will learn the fundamentals of database concepts in a cloud environment, get basic skilling in cloud data services, and build their foundational knowledge of cloud data services within Microsoft Azure.

Duration: 1 day
Price: 900.–
Vendor code: DP-900

Content

Students will identify and describe core data concepts such as relational, non-relational, big data, and analytics, and explore how this technology is implemented with Microsoft Azure. They will explore the roles, tasks, and responsibilities in the world of data. The students will explore relational data offerings, provisioning and deploying relational databases, and querying relational data through cloud data solutions with Microsoft Azure. They will explore non-relational data offerings, provisioning and deploying non-relational databases, and non-relational data stores with Microsoft Azure. Students will explore the processing options available for building data analytics solutions in Azure. They will explore Azure Synapse Analytics, Azure Databricks, and Azure HDInsight. Students will learn what Power BI is, including its building blocks and how they work together.

Course Outline

Module 1: Explore core data concepts
Students will learn the fundamentals of database concepts in a cloud environment, get basic skilling in cloud data services, and build their foundational knowledge of cloud data services within Microsoft Azure. Students will identify and describe core data concepts such as relational, non-relational, big data, and analytics, and explore how this technology is implemented with Azure. Students will explore the roles, tasks, and responsibilities in the world of data.
Lessons

- Explore core data concepts
- Explore roles and responsiblities in the world of data
- Describe concepts of relational data
- Explore concepts of non-relational data
- Explore concepts of data analytics

Module 2: Explore relational data in Azure
Students will learn the fundamentals of database concepts in a cloud environment, get basic skilling in cloud data services, and build their foundational knowledge of cloud data services within Microsoft Azure. Students will explore relational data offerings, provisioning and deploying relational databases, and querying relational data through cloud data solutions with Azure.
Lessons

- Explore relational data offerings in Azure
- Explore provisioning and deploying relational database offerings in Azure
- Query relational data in Azure

Module 3: Explore non-relational data in Azure
Students will learn the fundamentals of database concepts in a cloud environment, get basic skilling in cloud data services, and build their foundational knowledge of cloud data services within Azure. Students will explore non-relational data offerings, provisioning and deploying non-relational

databases, and non-relational data stores with Microsoft Azure.
Lessons

- Explore non-relational data offerings in Azure
- Explore provisioning and deploying non-relational data services on Azure
- Manage non-relational data stores in Azure

Module 4: Explore modern data warehouse analytics in Azure
Students will learn the fundamentals of database concepts in a cloud environment, get basic skilling in cloud data services, and build their foundational knowledge of cloud data services within Azure. Students will explore the processing options available for building data analytics solutions in Azure. Students will explore Azure Synapse Analytics, Azure Databricks, and Azure HDInsight. Students will learn what Power BI is, including its building blocks and how they work together.
Lessons

- Examine components of a modern data warehouse
- Explore data ingestion in Azure
- Explore data storage and processing in Azure
- Get started building with Power BI

Key Learnings

- Describing core data concepts
- Describing how to work with relational data on Azure
- Describing how to work with non-relational data on Azure
- Describing an analytics workload on Azure

Methodology & didactics

Digicomp Blended Learning Approach:

- **Pre-Study:** As soon as you book the course, you get access to official Microsoft Courseware and Added Value Content. We recommend that you work through at least the first chapter of each module before the course.
- **After-Study:** After the course, you will still have access to all courseware and can continue to study the topic as needed.

Target audience

The audience for this course is individuals who want to learn the fundamentals of database concepts in a cloud environment, get basic skilling in cloud data services, and build their foundational knowledge of cloud data services within Microsoft Azure.

Certification

This training prepares you for:

- **Exam:** «DP-900: Microsoft Azure Data Fundamentals» for the
- **Certification:** «Microsoft Certified: Azure Data Fundamentals»

Further courses

- Implementing a Lakehouse with Microsoft Fabric – Intensive Training («DP601»)
- Data Engineering on Microsoft Azure – Intensive Training («DP203»)
- Administering Microsoft Azure SQL Solutions – Intensive Training («DP300»)

Any questions?

We are happy to advise you on +41 44 447 21 21 or info@digicomp.ch. You can find detailed information about dates on www.digicomp.ch/courses-microsoft-technology/microsoft-azure/microsoft-certified-azure-fundamentals/course-microsoft-azure-data-fundamentals-intensive-training-dp-900

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