Microsoft Azure DP-900

OUR LEARNING EXCLUSIVE

- Custom exam prep software and materials
- Exam delivery in the classroom, with a **98% success rate**
- Course-specific thinQtank® Learning publications to keep the learning engaging
- Extended hours of training, including immersive hands-on exercises
- **We do not teach the test.** We always deliver valuable hands-on experience
- All reading material and study guides sent to you when you register
- Every course taught by certified instructors

TRAINING CAMP FORMAT

thinQtank® Learning delivers this course as an **instructor-led training camp**, with the exam sat in the classroom as part of the camp. Camps are scheduled by cohort rather than to a fixed calendar, and the balance of lecture and lab work is set to suit the group and the delivery method. Contact us for the schedule covering your dates.

PREREQUISITES

- **None.** Microsoft sets no formal prerequisites for DP-900
- Basic familiarity with the idea of relational and non-relational data helps, but the course does not assume it
- **No scripting or database administration experience is needed.** You will not be asked to write anything

EXAM

DP-900 — awards Microsoft Certified: Azure Data Fundamentals

THIS ONE DOES NOT EXPIRE. Microsoft states that fundamentals certifications do not expire. Every role-based Microsoft certification we run — AZ-104, AZ-700, AZ-305 — lapses after twelve months unless renewed. This is the exception, and it is worth knowing before you compare them.

And it is not a prerequisite for anything. Microsoft states plainly that DP-900 prepares you for the role-based data certifications but does not gate them.

Forty-five minutes. Passing score **700 on a scale of 1 to 1,000**. **No prerequisites and no scripting.** Microsoft does not publish a question count, so we do not quote one.

Skills measured, as Microsoft weights them — in ranges, not fixed percentages.
Core data concepts **25-30%**
Analytics workload on Azure **25-30%**
Relational data on Azure **20-25%**
Non-relational data on Azure **15-20%**
Last revised 21 July 2026, and this course is built on that revision.

COURSE OVERVIEW

thinQtank® Learning offers an industry-unique training camp in which students earn the **Microsoft Certified: Azure Data Fundamentals** certification. As with all our Microsoft training experiences, the exam is delivered in the classroom.

DP-900 is the data map. What data actually is and how it is represented and stored; then relational data and the Azure database services that hold it; then non-relational data in Azure Storage and Cosmos DB; and finally analytics — large-scale, real-time, and how it is visualized in Power BI. The vocabulary and the shape of the platform, before the tools.

No prerequisites, no scripting, and the certification never expires. The **voucher is available** at $99 USD.

COURSE OBJECTIVES

Primary course objectives:

- Describe the ways data is represented, from structured to unstructured
- Identify the options for storing data, and what each one is good at
- Describe common data workloads, transactional and analytical
- Identify the data roles in an organization and what each is responsible for
- Describe relational concepts: tables, keys, normalization and indexes
- Describe the relational Azure data services and choose between them
- Describe the capabilities of Azure Storage for non-relational data
- Describe the capabilities and features of Azure Cosmos DB
- Describe the common elements of large-scale analytics
- Describe the pipeline from ingestion through processing to serving
- Describe considerations for real-time data analytics
- Describe data visualization, and the fundamentals of Microsoft Power BI
- Recognize which service belongs at each stage of a data architecture

Microsoft Azure DP-900

DELIVERY METHODS

- Instructor-led training
- Immersive live-online training
- On-site and custom delivery

TARGET AUDIENCE

- Anyone starting with data in the cloud who needs the concepts before the tools
- Analysts and report writers who use data but were never taught how it is stored
- Developers and IT staff whose work has started touching databases
- Sales, procurement and project staff who have to discuss data platforms credibly
- Anyone heading for a data engineer or database administrator track

EXCLUSIVE LEARNING PACKAGE

- Guided hands-on time with Azure data services in a live portal
- Query and visualization exercises, including Power BI
- DP-900 video course
- DP-900 reading plan and review guide
- DP-900 certification practice exam

WHAT YOU WILL BE ABLE TO DO

- Tell relational, non-relational and analytical workloads apart, and say which fits
- Name the right Azure data service for a described need, and explain why
- Read a data architecture diagram and follow what happens to a record
- Hold your own in a planning meeting about a data platform

COURSE MODULES

01 Core Data Concepts — 25-30%

- Topic A: Ways to represent data: structured, semi-structured, unstructured
- Topic B: Options for data storage, and what each is good at
- Topic C: Transactional workloads
- Topic D: Analytical workloads, and how they differ
- Topic E: Data roles and responsibilities in an organization

02 Relational Data in Azure — 20-25%

- Topic A: Relational concepts: tables, keys and relationships
- Topic B: Normalization, indexes and views
- Topic C: Azure SQL services and when each fits
- Topic D: Open-source relational services on Azure
- Topic E: Provisioning and connecting to a relational service

03 Non-Relational Data in Azure — 15-20%

- Topic A: Azure Storage: blobs, files, tables and queues
- Topic B: Choosing a storage type for a described need
- Topic C: Azure Cosmos DB capabilities and features
- Topic D: Cosmos DB APIs, and picking the right one
- Topic E: When non-relational is the better answer

04 Data Analytics in Azure — 25-30%

- Topic A: Common elements of large-scale analytics
- Topic B: Ingestion, processing and serving
- Topic C: Data warehousing concepts
- Topic D: Real-time analytics, and what changes when data arrives live
- Topic E: Data visualization and Microsoft Power BI fundamentals

WHERE THIS LEADS

- **DP-300** — Azure Database Administrator Associate, if you want to run the databases rather than describe them
- **DP-203** — Azure Data Engineer Associate, for the pipeline and platform track
- **PL-300** — Power BI Data Analyst, if the visualization module was the one
- **DP-900 is not a prerequisite for any of them.** Microsoft says so plainly — it prepares you, it does not gate you
- **Nothing to renew here.** This certification does not expire, but every role-based one that follows it does, after twelve months