DP-900 - Microsoft Azure Data Fundamentals

MICROSOFT OFFICIAL TRAINING WORKSHOP

Expand your skill set by by mastering data concepts and analytics workloads on Azure, enabling you to build efficient, scalable solutions.

Access the information you need when you need it through visually stunning dashboards and reports

Microsoft Solutions Partner

Data & AI

Related Certification:
Microsoft Certified: Azure Data Fundamentals

What to Expect?

This course is designed for beginners, offering an essential introduction to core data concepts, including both relational and non-relational data, as well as an overview of Azure data services.

Throughout the course, students will develop a solid understanding of core data principles, such as relational databases, non-relational storage, big data, and analytics. Participants will also build foundational knowledge on how Microsoft Azure supports cloud-based data services. The course includes in-depth exploration of relational database services in Azure, as well as non-relational storage solutions like Azure Cosmos DB. Additionally, learners will gain insight into data warehousing, real-time analytics, and data visualisation techniques within Azure.

Course Delivery Options

We offer flexible delivery options to suit your schedule, all delivered online by our expert instructors:

- 1-Day Bootcamp: Immerse yourself in an intensive, full-day learning experience over a single day. This fast-paced, focused approach is ideal for those who want to complete their training in the shortest time possible.

- Flexible 3.5 Hours/Day: Spread the learning across manageable sessions, with 3.5 hour daily classes. This flexible format allows you to fit training around your workday while still benefiting from live, interactive instruction.

Both options provide real-time, instructor-led training, allowing you to engage with the course content, ask questions, and collaborate with peers from the comfort of your home or office.

Duration:
One (1) day
9:30 am - 4:30 pm

Prices:
Public Live **Online** Class
£750 + VAT
per delegate

Private Live **Online** Class
£800 + VAT
per delegate

Private **Onsite** Class
£900 +VAT
per delegate

Click Here to Book Online

DATA BEAR
Be Data Savvy

Discounts offered when more than one books

Objectives

Learn how to:

- Explain fundamental data concepts
- Understand key factors for working with relational data in Azure
- Discuss best practices for handling non-relational data in Azure
- Describe the components of an analytics workload on Azure

Who is it For?

Prerequisites:

This course is aimed at individuals who want to learn the basics of cloud database concepts, acquire fundamental skills in **Azure data services**, and establish a strong foundation in managing data in the cloud.

This course is perfect for those who are new to data management and looking to understand how to leverage cloud technologies to handle various types of data.

About us

As a Microsoft Solutions Partner in Data Analytics and a Power BI partner, with a vertical focus on helping business become more data efficient through Power BI training and consulting, Data Bear has an established record of empowering originations with the skills and tools needed to drive their business further. Using latest technologies and best practice, the Data Bear team is dedicated to providing training and solutions that ultimately save time, increase profits and reduce stress.

Explore core data concepts

- **Explore core data concepts**
  - Identify data formats
  - Explore file storage
  - Explore databases
  - Explore transactional data processing
  - Explore analytical data processing

- **Explore data roles and services**
  - Explore job roles in the world of data
  - Identify data services

Explore relational data in Azure

- **Explore fundamental relational data concepts**
  - Introduction to relational data
  - Understand normalisation
  - Explore SQL
  - Describe database objects

- **Explore relational database services in Azure**
  - Describe Azure SQL services and capabilities
  - Understand Azure services for open-source databases
  - Explore Azure relational database services

Course Content

Explore non-relational data in Azure

- **Explore Azure Storage for non-relational data**
  - Explore Azure blob storage
  - Explore Azure Data Lake Storage Gen2
  - Explore Microsoft OneLake in Fabric
  - Explore Azure Files
  - Explore Azure Tables

- **Explore fundamentals of Azure Cosmos DB**
  - Describe Azure Cosmos DB
  - Identify Azure Cosmos DB APIs
  - Explore Azure Cosmos DB

Explore data analytics in Azure

- **Explore fundamentals of large-scale analytics**
  - Describe data warehousing architecture
  - Explore data ingestion pipelines
  - Explore analytical data stores
  - Explore data analytics in Microsoft Fabric

- **Explore fundamentals of real-time analytics**
  - Understand batch and stream processing
  - Explore common elements of stream processing architecture
  - Explore Microsoft Fabric Real-Time Intelligence
  - Explore Apache Spark structured streaming

- **Explore fundamentals of data visualization**
  - Describe Power BI tools and workflow
  - Describe core concepts of data modelling
  - Describe considerations for data visualization
  - Explore fundamentals of data visualization with Power BI

Why Choose Data Bear?

Microsoft Solutions Partner

Training Focuses on Best Practices

Step-by-step digital manual provided

Additional Power BI Helper Files Provided Over

50 5 Star Google Reviews

After Training Support Available

Vertical Focus

We're a Power BI centric company, and a Microsoft Power BI Partner, with a vertical focus on empowering organisations with Power BI training and solutions that produce results. Our passion is to help organisations become more 'Data Savvy'.

Deep Domain Experience

Having helped numerous organisations overcome the obstacles to enhanced data efficiency and empowering them with the skills to adopt a 'data culture', the Data Bear team has many years of 'real life' experience in the 'BI-trenches'. We don't just show you what all the various buttons and knobs do. You can learn that from documentation. Drawing on a wealth of experience, based on developing and deploying numerous best practice BI solutions globally, we'll teach you how to build a robust Power BI solution from the ground up, ensuring that, going forward, your team has the best practice foundation to continue the process of getting the right data into the right hands.

Long-Term Partnership

The process of using Power BI to ensure organisational value is an ongoing learning journey. To ensure your team can overcome any obstacles or issues experienced after the training, we provide **'after training' support packages.** In this scenario, you can purchase a bundle of support hours to be drawn from as needed or we can provide support on a 'pay-as-you-go' basis. The **'pay-as-go'** offer is exclusive to organisations or individuals who have received training from us.

Quality

Quality Assurance — as a Gold Microsoft Power BI partner, we have insight to all new Power BI update roll-outs and we ensure that all our training content and best practices taught is up to date with latest Microsoft releases and new technology offerings.

Training Locations

United Kingdom

We offer regular Training courses in London and throughout the UK.

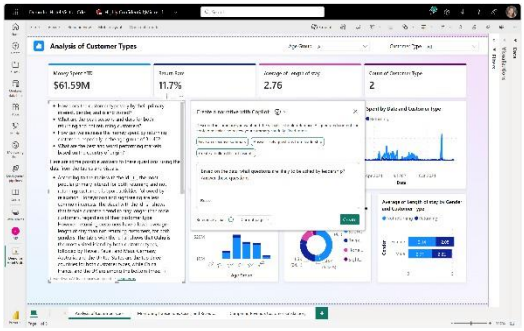
Remote Online

Through live remote online training, we empower organisations globally, regardless of their geographical location.

Click Here to Book

Join Using Two Screens

To ensure efficiency, the use of **two screens** is required. One of your two screens displays the trainer's presentation. Having two screens empowers you with a clear view of what the Trainer is explaining and your own working examples as you follow along.



Trainer's Screen

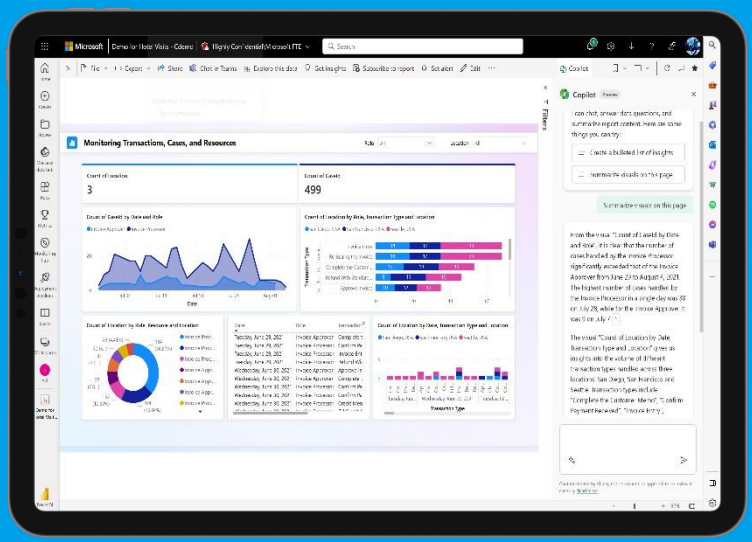
One screen shows a clear and constant view of the Trainer's screen

Screen showing your work

Use your second screen to display your work as you follow along through the exercises.

or Join on a 2nd device

If you don't have 2 screens, to constantly display the trainers screen, you can join the Teams meeting on a second device, for example a tablet. You can then use your laptop or PC to do the worked examples as you follow along from the second device.



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