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#1 Online Certification Guide

MICROSOFT DP-900

Microsoft Azure Data Fundamentals Certification Questions & Answers

Exam Summary – Syllabus –Questions

DP-900

Microsoft Certified - Azure Data Fundamentals

40-60 Questions Exam – 700/1000 Cut Score – Duration of 60 minutes

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Know Your DP-900 Certification Well:

The DP-900 is best suitable for candidates who want to gain knowledge in the Microsoft Azure. Before you start your DP-900 preparation you may struggle to get all the crucial Azure Data Fundamentals materials like DP-900 syllabus, sample questions, study guide.

But don't worry the DP-900 PDF is here to help you prepare in a stress free manner.
The PDF is a combination of all your queries like-

- What is in the DP-900 syllabus?
- How many questions are there in the DP-900 exam?
- Which Practice test would help me to pass the DP-900 exam at the first attempt?

Passing the DP-900 exam makes you Microsoft Certified - Azure Data Fundamentals. Having the Azure Data Fundamentals certification opens multiple opportunities for you. You can grab a new job, get a higher salary or simply get recognition within your current organization.

Microsoft DP-900 Azure Data Fundamentals Certification Details:

Exam Name	Microsoft Certified - Azure Data Fundamentals
Exam Code	DP-900
Exam Price	$99 (USD)
Duration	60 mins
Number of Questions	40-60
Passing Score	700 / 1000
Books / Training	**DP-900T00-A: Microsoft Azure Data Fundamentals**
Schedule Exam	**Pearson VUE**
Sample Questions	**Microsoft Azure Data Fundamentals Sample Questions**
Practice Exam	**Microsoft DP-900 Certification Practice Exam**

DP-900 Syllabus:

Topic	Details
Describe core data concepts (15-20%)	
Describe types of core data workloads	- describe batch data - describe streaming data - describe the difference between batch and streaming data - describe the characteristics of relational data
Describe data analytics core concepts	- describe data visualization (e.g., visualization, reporting, business intelligence (BI)) - describe basic chart types such as bar charts and pie charts - describe analytics techniques (e.g., descriptive, diagnostic, predictive, prescriptive, cognitive) - describe ELT and ETL processing - describe the concepts of data processing
Describe how to work with relational data on Azure (25-30%)	
Describe relational data workloads	- identify the right data offering for a relational workload - describe relational data structures (e.g., tables, index, views)
Describe relational Azure data services	- describe and compare PaaS, IaaS, and SaaS solutions - describe Azure SQL family of products including Azure SQL Database, Azure SQL Managed Instance, and SQL Server on Azure Virtual Machines - describe Azure Synapse Analytics - describe Azure Database for PostgreSQL, Azure Database for MariaDB, and Azure Database for MySQL
Identify basic management tasks for relational data	- describe provisioning and deployment of relational data services - describe method for deployment including the Azure portal, Azure Resource Manager templates, Azure PowerShell, and the Azure command-line interface (CLI) - identify data security components (e.g., firewall, authentication) - identify basic connectivity issues (e.g., accessing from on-premises, access with Azure VNets, access from Internet, authentication, firewalls)

Topic	Details
	- identify query tools (e.g., Azure Data Studio, SQL Server Management Studio, sqlcmd utility, etc.)
Describe query techniques for data using SQL language	- compare Data Definition Language (DDL) versus Data Manipulation Language (DML) - query relational data in Azure SQL Database, Azure Database for PostgreSQL, and Azure Database for MySQL
Describe how to work with non-relational data on Azure (25-30%)	
Describe non-relational data workloads	- describe the characteristics of non-relational data - describe the types of non-relational and NoSQL data - recommend the correct data store - determine when to use non-relational data
Describe non-relational data offerings on Azure	- identify Azure data services for non-relational workloads - describe Azure Cosmos DB APIs - describe Azure Table storage - describe Azure Blob storage - describe Azure File storage
Identify basic management tasks for non-relational data	- describe provisioning and deployment of non-relational data services - describe method for deployment including the Azure portal, Azure Resource Manager templates, Azure PowerShell, and the Azure command-line interface (CLI) - identify data security components (e.g., firewall, authentication, encryption) - identify basic connectivity issues (e.g., accessing from on-premises, access with Azure VNets, access from Internet, authentication, firewalls) - identify management tools for non-relational data
Describe an analytics workload on Azure (25-30%)	
Describe analytics workloads	- describe transactional workloads - describe the difference between a transactional and an analytics workload - describe the difference between batch and real time - describe data warehousing workloads - determine when a data warehouse solution is needed
Describe the components of a modern data warehouse	- describe Azure data services for modern data warehousing such as Azure Data Lake Storage Gen2, Azure Synapse Analytics, Azure Databricks, and Azure HDInsight

Topic	Details
	- describe modern data warehousing architecture and workload
Describe data ingestion and processing on Azure	- describe common practices for data loading - describe the components of Azure Data Factory (e.g., pipeline, activities, etc.) - describe data processing options (e.g., Azure HDInsight, Azure Databricks, Azure Synapse Analytics, Azure Data Factory)
Describe data visualization in Microsoft Power BI	- describe the role of paginated reporting - describe the role of interactive reports - describe the role of dashboards - describe the workflow in Power BI

Microsoft DP-900 Sample Questions:

Question: 1

You have a quality assurance application that reads data from a data warehouse. Which type of processing does the application use?

a) Online Transaction Processing (OLTP)
b) batch processing
c) Online Analytical Processing (OLAP)
d) stream processing

Answer: a

Question: 2

Which Azure Data Factory component provides the compute environment for activities?

a) a linked service
b) an integration runtime
c) a control flow
d) a pipeline

Answer: a

Question: 3

What is a benefit of hosting a database on Azure SQL managed instance as compared to an Azure SQL database?

a) built-in high availability
b) native support for cross-database queries and transactions
c) system-initiated automatic backups
d) support for encryption at rest

Answer: b

Question: 4

Which Azure Data Factory component initiates the execution of a pipeline?

a) a control flow
b) a trigger
c) a parameter
d) an activity

Answer: b

Question: 5

A team of developers has computers Thai run Windows 10 and Ubuntu Desktop. The developers need to connect to and query an Azure SCX database from the computers. The developers require code assistance features such as intellSense.

What should the developers use?

a) Azure Data Explorer
b) sq1cmd
c) Azure Data Studio
d) Microsoft SQL Server Management Studio (SSMS)

Answer: b

Question: 6

When provisioning an Azure Cosmos DB account, which feature provides redundancy within an Azure region?

a) multi-master replication
b) Availability Zones
c) automatic failover
d) the strong consistency level

Answer: b

Question: 7

You are writing a set of SQL queries that administrators will use to troubleshoot an Azure SQL database. You need to embed documents and query results into a SQL notebook. What should you use?

a) Microsoft SQL Server Management Studio (SSMS)
b) Azure Data Studio
c) Azure CLI
d) Azure PowerShell

Answer: b

Question: 8

At which level in Azure Cosmos DB can you configure multiple write regions and read regions?

a) collection
b) partition
c) database
d) account

Answer: a

Question: 9

Which Azure storage solution provides native support for POSIX-compliant access control lists (ACLs)?

a) Azure table storage
b) Azure Files
c) Azure Queue storage
d) Azure Data Lake Storage

Answer: a

Question: 10

What do you use to create Power BI paginated reports?

Choose the correct answer

a) Power BI Report Builder
b) Power BI Dashboard
c) Power BI Desktop
d) Power BI service

Answer: a

Study Guide to Crack Microsoft Azure Data Fundamentals DP-900 Exam:

- Getting details of the DP-900 syllabus, is the first step of a study plan. This pdf is going to be of ultimate help. Completion of the syllabus is must to pass the DP-900 exam.
- Making a schedule is vital. A structured method of preparation leads to success. A candidate must plan his schedule and follow it rigorously to attain success.
- Joining the Microsoft provided training for DP-900 exam could be of much help. If there is specific training for the exam, you can discover it from the link above.
- Read from the DP-900 sample questions to gain your idea about the actual exam questions. In this PDF useful sample questions are provided to make your exam preparation easy.
- Practicing on DP-900 practice tests is must. Continuous practice will make you an expert in all syllabus areas.

Reliable Online Practice Test for DP-900 Certification

Make EduSum.com your best friend during your Microsoft Azure Data Fundamentals exam preparation. We provide authentic practice tests for the DP-900 exam. Experts design these online practice tests, so we can offer you an exclusive experience of taking the actual DP-900 exam. We guarantee you 100% success in your first exam attempt if you continue practicing regularly. Don't bother if you don't get 100% marks in initial practice exam attempts. Just utilize the result section to know your strengths and weaknesses and prepare according to that until you get 100% with our practice tests. Our evaluation makes you confident, and you can score high in the DP-900 exam.

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