



Microsoft Azure Data Fundamentals

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QUESTION 1

Which type of Azure resource supports the serverless configuration of an Azure SQL database?

- A. Azure SQL Managed Instance
- B. SQL Server on Azure Virtual Machines
- C. a single database in Azure SQL Database
- D. an Azure SQL Database elastic pool

Correct Answer: C

Serverless is a compute tier for single databases in Azure SQL Database that automatically scales compute based on workload demand and bills for the amount of compute used per second. The serverless compute tier also automatically pauses databases during inactive periods when only storage is billed and automatically resumes databases when activity returns.

QUESTION 2

Which database transaction property ensures that individual transactions are executed only once and either succeed in their entirety or roll back?

- A. isolation
- B. durability
- C. atomicity
- D. consistency

Correct Answer: C

QUESTION 3

Your company needs to ensure that an Azure virtual machine can connect to Azure SQL databases without exposing the databases to the internet.

What should you use?

- A. Azure Application Gateway
- B. Azure Traffic Manager
- C. Azure DNS
- D. Azure Private Link

Correct Answer: D



Azure Private Link enables you to access Azure PaaS Services (for example, Azure Storage and SQL Database) and Azure hosted customer-owned/partner services over a private endpoint in your virtual network.

Traffic between your virtual network and the service travels the Microsoft backbone network. Exposing your service to the public internet is no longer necessary

Reference: https://techcommunity.microsoft.com/t5/azure-database-support-blog/azure-sql-db-private-link-private-endpoint-connectivity/ba-p/1235573

QUESTION 4

Which activity is most common for transactional workloads?

- A. recording small units of work events in real time
- B. aggregating massive amounts of data
- C. producing complex reports
- D. performing self-service data exploration

Correct Answer: A

QUESTION 5

Which two Azure services can be used to provision Apache Spark clusters? Each correct answer presents a complete solution. (Choose two.)

NOTE: Each correct selection is worth one point.

- A. Azure Time Series Insights
- B. Azure HDInsight
- C. Azure Databricks
- D. Azure Log Analytics
- Correct Answer: BC

Reference: https://www.sqlshack.com/a-beginners-guide-to-azure-databricks/

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