



✓ **Congratulations! You passed!**

TO PASS 80% or higher

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1. Azure Cosmos DB is a globally distributed, multimodal database and can be deployed using several API models. Which of the following APIs are supported in Cosmos DB?

1 / 1 point

Select all options that apply.

☐ Ansible

☒ Cassandra

✓ **Correct**

Cassandra API is a supported model with Azure Cosmos DB.

☒ MongoDB

✓ **Correct**

MongoDB API is a supported model with Azure Cosmos DB.

☒ SQL

✓ **Correct**

SQL API is a supported model with Azure Cosmos DB.

2. What type of data is typically stored in a relational database such as SQL Server or Azure SQL?

1 / 1 point

☐ Unstructured

☒ Structured

☐ Semi-structured

✓ **Correct**

Structured data is typically stored in a relational database such as SQL Server or Azure SQL Database. Azure SQL Database is a service that runs in the cloud.

3. Which of the following services allow customers to store semi-structured datasets in Microsoft Azure?

1 / 1 point

Select all options that apply.

☒ Azure File storage

✓ **Correct**

Azure File Storage is primarily for unstructured data but can store semi-structured data as well.

☒ Azure Cosmos DB

✓ **Correct**

Cosmos DB supports semi-structured (NoSQL) database services in Azure.

☐ Azure SQL Datawarehouse

☒ Azure Blob Storage

✓ **Correct**

Azure Blob Storage is primarily for unstructured data but can store semi-structured data as well.

☐ Azure SQL Database

4. Azure Synapse Analytics is an integrated analytics platform and brings together which of the following features?

1 / 1 point

Select all options that apply.

☒ Big data analytics

✓ **Correct**

Azure Synapse Analytics is an integrated analytics platform, which combines data warehousing, big data analytics, data integration, and visualization into a single environment.

☐ Data backup

☒ Visualization

✓ **Correct**

Azure Synapse Analytics is an integrated analytics platform, which combines data warehousing, big data analytics, data integration, and visualization into a single environment.

☒ Data warehousing

✓ **Correct**

Azure Synapse Analytics is an integrated analytics platform, which combines data warehousing, big data analytics, data integration, and visualization into a single environment.

☒ Data integration

✓ **Correct**

Azure Synapse Analytics is an integrated analytics platform, which combines data warehousing, big data analytics, data integration, and visualization into a single environment.

5. Which of the following is a globally distributed multi-model database?

1 / 1 point

- ☒ Azure Cosmos DB
- ☐ Azure SQL Database
- ☐ Azure Synapse Analytics

✓ **Correct**

Azure Cosmos DB is a globally distributed, multi-model database that can offer sub second query performance.

6.

1 / 1 point

Which Azure service is the best choice to store documentation about a data source?

- ☐ Azure Data Factory
- ☒ Azure Data Catalog
- ☐ Azure Data Lake Storage

✓ **Correct**

Azure Data Catalog is a central place where an organization's users can contribute their knowledge. Together, they build a community of data sources that the organization owns.

7. Which of the following are types of NoSQL database?

1 / 1 point

Select all options that apply.

☒ Key-value store

✓ **Correct**

Key Value store stores key-value pairs of data in a table structure. They are a type of NoSQL database.

☐ B: Relational Database

☒ Graph Database

✓ **Correct**

Graph database finds relationships between data points by using a structure that's composed of vertices and edges. They are a type of NoSQL database.

8. You have been asked by management to investigate a database solution in Azure that will satisfy the following.

1 / 1 point

Ability to build applications with guaranteed low latency and high availability anywhere, at any scale, and the capability to migrate existing MongoDB, and other NoSQL workloads to the cloud.

Which of the following solutions will be most appropriate?

☐ Azure SQL Database

Feedback. This will provide a managed, intelligent SQL only solution. Try going back and reviewing Core Microsoft Azure data platform technologies Lesson.

☒ Azure Cosmos DB

✓ **Correct**

Azure Cosmos DB will provide applications with guaranteed low latency and high availability anywhere, at any scale, or migrate Cassandra, MongoDB, and other NoSQL workloads to the cloud

☐ SQL Server on Virtual Machines

☐ Azure Database for MySQL