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1. Hosting a database such as SQL Server on Virtual Machines is an example of which of the following? 1 / 1 point

- ○ Software-as-a-Service (SaaS)
- ○ Platform-as-a-Service
- ◉ Infrastructure-as-a-Service (Iaas)

Correct
Hosting SQL Server on Virtual Machines is an example of the IaaS cloud model.

2. True or False? 1 / 1 point

The term lift and shift refers to database migrations and applications which require access to operating system features that might not be supported at the PaaS level.

- ◉ True
- ○ False

Correct
For migrations and applications requiring access to operating system, there are features that might not be supported at the PaaS level. SQL virtual machines are lift and shift ready for existing applications that require fast migration to the cloud with minimal changes.

3. Azure Data Services are available for a range of popular SQL-based database solutions. Which of the following database management systems are supported as a service in Azure? 1 / 1 point

Select all options that apply.

- ☑ PostgreSQL

Correct
As well as Azure SQL Database, Azure Data Services are available for other popular SQL-based database solutions. Currently, data services are available for PostgreSQL, MySQL, and MariaDB.

- ☐ Oracle Database
- ☑ Azure SQL Database

Correct
As well as Azure SQL Database, Azure Data Services are available for other popular SQL-based database solutions. Currently, data services are available for PostgreSQL, MySQL, and MariaDB.

4. Azure Database for MySQL is a PaaS implementation of MySQL. Which of the following features are supported in Azure Database for MySQL. 1 / 1 point

Select all options that apply.

- ☐ support for MySQL 'SUPER' privilege account
- ☑ Automatic backups and point-in-time restore

Correct
You get the following features with Azure Database for MySQL High availability. Easy scaling that responds quickly to demand. Secure data, both at rest and in motion. Automatic backups and point-in-time restore for the last 35 days.

- ☑ High availability

Correct
You get the following features with Azure Database for MySQL High availability. Easy scaling that responds quickly to demand. Secure data, both at rest and in motion. Automatic backups and point-in-time restore for the last 35 days.

- ☑ Scaling

Correct
You get the following features with Azure Database for MySQL High availability. Easy scaling that responds quickly to demand. Secure data, both at rest and in motion. Automatic backups and point-in-time restore for the last 35 days.

5. Azure Database for PostgreSQL single-server deployment option comes in three pricing tiers. Which of the following tiers are available for Azure Database for PostgreSQL

1 / 1 point

Select all options that apply.

- [x] Basic

Correct
The single-server deployment option for PostgreSQL provides similar benefits as Azure Database for MySQL. You choose from three pricing tiers: Basic, General Purpose, and Memory Optimized. Each tier supports different numbers of CPUs, memory, and storage sizes—you select one based on the load you expect to support.

- [x] General Purpose

Correct
The single-server deployment option for PostgreSQL provides similar benefits as Azure Database for MySQL. You choose from three pricing tiers: Basic, General Purpose, and Memory Optimized. Each tier supports different numbers of CPUs, memory, and storage sizes—you select one based on the load you expect to support.

- [ ] Processor Optimised

6. Deployment of the Hyperscale (Citus) option which scales queries across multiple server nodes to support large database loads is a deployment option for which Azure Database service?

1 / 1 point

- ○ Azure Database for MariaDB
- ◉ Azure Database for PostgreSQL
- ○ Azure Database for MySQL
- ○ Azure Database for SQL

Correct
Azure PostgreSQL Hyperscale (Citus) is a deployment option that scales queries across multiple server nodes to support large database loads. Your database is split across nodes.

7. When migrating on-premises SQL databases to Azure, which type of migration requires the least amount of reconfiguration?

1 / 1 point

- ○ Azure SQL Single Database
- ◉ SQL server running on a virtual machine
- ○ Azure SQL Database managed instance

Correct
SQL Server running on an Azure virtual machine effectively replicates the database running on real on-premises hardware. Migrating from the system running on-premises to an Azure virtual machine is no different than moving the databases from one on-premises server to another.

8. When running a SQL Server on a virtual machine, which of the following is the responsibility of the Tenant?

0 / 1 point

- ○ Backups are automated, but it is your responsibility to install and maintain the software for the Database management system.
- ○ Software installation and maintenance, as well as backups, are the responsibility of the tenant.
- ◉ All software installation and maintenance tasks are managed by the provider, but you must do your backups.

Incorrect
Try going back and reviewing *Explore relational data services in Azure*.

9. True or False?

1 / 1 point

When using Azure SQL Managed Instances all communications are encrypted and signed using digital certificates.

- ◉ True
- ○ False

Correct

Correct

When using Azure SQL Managed instances all communications are encrypted and signed using certificates. To check the trustworthiness of communicating parties, managed instances constantly verify these certificates through certificate revocation lists. If the certificates are revoked, the managed instance closes the connections to protect the data.

10. You are running a MySQL database on-premises and want to move the data to a database running the corresponding data services in Azure. What is the best way to transfer the data? 0 / 1 point

- ○ Use the Azure Database Migration Service (DMS).
- ◉ Export the data from the on-premises database and manually import it into a database running in Azure.
- ○ Upload a MySQL database backup file to the database running in Azure.

⊗ **Incorrect**

Try going back and reviewing *Explore relational data services in Azure*.