

Knowledge check

3 minutes

Tailwind Traders has several workloads that are being migrated to Azure. You're reviewing all application database requirements to recommend the appropriate solution. Your design has to accommodate the following scenarios:

- **Inventory application.** You plan to migrate the inventory application with a database to the cloud, but you use a third-party application that requires Windows authentication. You also need full control and customization, including OS access.
- **HR application.** You need to migrate the HR application and database to the cloud, and remove some of the management associated with SQL Server. However, your application uses CLR and Service Broker capabilities from SQL Server.
- **Database migration.** There are a few large on-premises SQL server databases that need to be migrated to the cloud. These databases contain anywhere from 40 TB to 80 TB of data.

Answer the following questions

Choose the best response for each of the questions below. Then select **Check your answers**.

1. Which Azure SQL deployment option should be the easiest method to migrate the Inventory application? *

- ☐ Azure SQL Managed Instance
- ☐ Azure SQL Database, single database
- ☒ SQL Server on Azure Virtual Machines

✓ Correct. A SQL server in an Azure virtual machine supports OS access.

2. What's the optimal Azure SQL deployment option to migrate the HR application? *

- ☒ Azure SQL Managed Instance
- ☐ Azure SQL Database
- ☐ SQL Server in an Azure virtual machine

✓ Correct. Azure SQL Managed Instance is the only PaaS service that supports instance-scoped features like CLR and Service Broker.

3. Which database service tier best supports the large on-premises database migration? *

- ☐ General Purpose
- ☒ Hyperscale
- ☐ Business Critical

✓ Correct. The Hyperscale tier can support up to 100 TB of data.

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