

Knowledge check

4 minutes

Tailwind Traders is assessing their migration to Azure. You're asked to make recommendations and provide input to meet the system requirements.

- **Large data transfers.** Large amounts of data need to be transferred between on-premises storage and an Azure storage account. There's a concern the transfer might monopolize network bandwidth. The executive committee has requested an approach where Microsoft handles the shipping and logistics.
- **Migrate to new hardware.** The company has requested an inventory of their servers and data. To produce the report, files and security configuration need to be transferred from the source servers to new hardware.
- **Estimate migration costs.** The CTO is interested in monthly running costs in Azure. You need to provide an estimate comparison of Azure costs to on-premises costs.
- **Migrate web apps to Azure.** The IT department has several Windows ASP.NET test and production web apps they'd like to migrate to Azure.
- **Migrate on-premises SQL Server.** The corporate data center has several virtual machines that are running SQL Server. These machines provide database back-end support for the online sales portal. The IT department wants to move this workload to Azure.

Answer the following questions

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

1. Which product satisfies the large data transfer requirement? *

- ☐ Azure Import/Export service
- ☒ Azure Data Box
- ✓ Correct. For Azure Data Box, Microsoft provides the hardware appliance and handles the shipping.
- ☐ Azure Migrate

2. What product is best for migrating to the new hardware? *

- ☒ Azure Storage Migration Service
- ✓ Correct. The Storage Migration Service can migrate one or more servers to newer hardware or virtual machines. The product provides an inventory and can rapidly transfer files.
- ☐ Azure Migrate
- ☐ Azure File Sync

3. What product would you recommend to estimate monthly costs before the migration? *

- ☐ Azure Cost Management and Billing
- ☐ Azure Advisor
- ☒ Azure TCO Calculator
- ✓ Correct. The Azure TCO Calculator provides an estimate of monthly running costs in Azure, which enables a comparison with on-premises costs.

4. Which product is ideal for migrating web apps to Azure? *



Azure App Service Migration Assistant

✓ Correct. Azure App Service Migration Assistant helps to assess and migrate your web apps.



Azure Resource Mover



Data Migration Assistant

5. What product would you recommend to migrate the on-premises SQL Server databases? *



Azure Resource Mover



Data Migration Assistant

✓ Correct. Data Migration Assistant helps detects compatibility issues that can impact database functionality in a new version of SQL Server or Azure SQL Database.



Azure Storage Migration Service

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