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70-583

PRO: Designing and Developing Windows
Azure Applications

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QUESTION 1

Which of the following software products or technologies would you consider yourself proficient in? Choose all that apply.

A. Windows Server 2008

B. Windows Server 2008 R2

C. SQL Server 2008

D. SQL Server 2008 R2

E. Internet Information Server (IIS)

F. Visual Studio 2010

G. Windows Communication Foundation

H. .NET Framework 4

Answer: A

QUESTION 2

You are designing a Windows Azure application that will store data.

You have the following requirements:

- The data storage system must support the storage of more than 500 GB of data.
- Data retrieval must be possible from a large number of parallel threads without threads blocking each other.

You need to recommend an approach for storing data.

What should you recommend?

A. Use Windows Azure Queues.

B. Use Windows Live Mesh 2011.

C. Use a single SQL Azure database.

D. Use Windows Azure Table storage.

Answer: D

QUESTION 3

You are designing a web service that will be hosted in Windows Azure. The web service will accept and store structured and semi-structured data.

The web service must meet the following requirements:

- Update all data within a single transaction.
- Enforce the data structure for structured data within the data store.

You need to recommend an approach for storing the data.

What should you recommend?

A.Use Windows Azure Queues.
B.Use a single SQL Azure database.
C.Use a single Windows Azure Drive.
D.Use Windows Azure Table storage.

Answer: B

QUESTION 4
You are designing a Windows Azure application that will allow for the processing of image files. Images will be processed in batches by remote applications running on multiple servers.

The application must meet the following requirements:

- Remain operational during batch-processing operations.
- Allow users to roll back each image to previous versions.

Each remote application must have exclusive access to an image while processing it.

You need to recommend an approach for storing the images.

What should you recommend?

A.Store the images in a Windows Azure Queue.
B.Store the images in Windows Azure Blob storage.
C.Store the images in Windows Azure Table storage.
D.Store images in a single Windows Azure Drive attached to the web role.

Answer: B

QUESTION 5
You are designing a strategy for synchronizing a SQL Azure database and multiple remote Microsoft SQL Server 2008 databases. The SQL Azure database contains many tables that have circular foreign key

relationships.

You need to recommend an approach for ensuring that all changes in the remote databases synchronize with the SQL Azure database.

What should you recommend?

A.Use SQL Azure Data Sync Service.
B.Use SQL Server replication.
C.Use SQL Server backup and restore.
D.Use SQL Server database snapshots.

Answer: A

QUESTION 6
You are designing a Windows Azure application. The application will include occasionally connected clients that reference data stored in Windows Azure Blob storage. The clients will be able to add data while disconnected.

You need to recommend an approach for synchronizing offline client data with Windows Azure Blob storage.

What should you recommend?

A.Use SQL Azure Data Sync.
B.Use the Microsoft Sync Framework.
C.Use Windows Azure Blob storage snapshots.
D.Use the Microsoft SQL Server replication component.

Answer: B

QUESTION 7
You are designing a strategy for synchronizing two geographically disparate SQL Azure databases. A database named DB1 is located in North America. A database named DB2 is located in Asia. DB2 contains a subset of the tables in DB1.

You need to recommend an approach for bidirectionally synchronizing the databases each day.

What should you recommend?

A.Use SQL Azure Data Sync.
B.Use custom Microsoft Sync Framework metadata.