Microsoft 70-583

PRO: Designing and Developing Windows Azure Applications

Version: 14.1

QUESTION NO: 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
Explanation:

QUESTION NO: 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
Explanation:

QUESTION NO: 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
Explanation:

QUESTION NO: 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
Explanation:

QUESTION NO: 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
Explanation:

QUESTION NO: 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

Explanation:

QUESTION NO: 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.
C. Use a Microsoft Sync Framework Partial Participant.
D. Use a Microsoft Sync Framework file synchronization provider.

Answer: A
Explanation:

QUESTION NO: 8

You are planning the deployment of a SQL Azure database. Your company has a Volume Licensing Agreement for Microsoft SQL Server 2008.

The SQL Azure database must maintain a monthly availability of 99.9%.

You need to recommend an approach for minimizing the monthly expenses associated with the SQL Azure database.

What should you recommend?

A. Add a processor license to the existing SQL Server licensing agreement.
B. Purchase a Windows Azure consumption platform subscription.
C. Purchase a SQL Server Services Provider Licensing Agreement (SPLA).
D. Purchase a SQL Server Web license to extend the existing SQL Server licensing agreement.

Answer: B
Explanation:

QUESTION NO: 9

You are designing a Windows Azure solution.

The solution will be used by multiple customers. Each customer has different business logic and user interface requirements. Not all customers use the same version of the .NET runtime.

You need to recommend a deployment strategy.

What should you recommend?

A. Deploy in a multitenant configuration.
B. Deploy in a single-tenant configuration.
C. Deploy with multiple web role instances.
D. Deploy with multiple worker role instances.

Answer: B
Explanation:

QUESTION NO: 10

You are designing a Windows Azure application that will provide online backup storage for very large media files.

The application must be capable of storing an average of 1 GB of data for each user. The application must provide random read/write access.

You need to recommend a durable data storage solution.

What should you recommend?

A. Use a Windows Azure Drive.
B. Use Windows Azure page blob storage
C. Use Windows Azure block blob storage.
D. Use local storage on a Windows Azure instance.

Answer: C
Explanation:

QUESTION NO: 11

You are designing a plan to migrate Microsoft SQL Server 2008 databases to SQL Azure. You do not plan to migrate the SQL Server databases to SQL Server 2008 R2.

You need to recommend an approach for performing bulk data transfers from the SQL Server databases to SQL Azure. What should you recommend?

A. Use the bcp utility.
B. Use the dta utility.
C. Use the SQL Server Import and Export Wizard.
D. Attach each SQL Server database to SQL Azure.

Answer: A
Explanation:

QUESTION NO: 12

You are designing a plan for migrating an existing Microsoft SQL Server 2008 database to SQL Azure. The database includes a SQL Server Agent job that cleans the application log table.

You need to recommend an approach for ensuring that the SQL Server Agent job continues to run without modification. What should you recommend?

A. Use the SQL Azure Data Sync service.
B. Run the SQL Server Agent in SQL Azure.
C. Use SQL Server Integration Services (SSIS) to connect to SQL Azure.
D. Connect the existing on-premise
SQL Server Agent jobs to SQL Azure.

Answer: D
Explanation:

QUESTION NO: 13

You are planning the migration of an existing application to Windows Azure and SQL Azure.

The current application includes reports that are hosted by SQL Server Reporting Services.

You need to recommend an approach for migrating the reports.

What should you recommend?

A. Use SQL Azure to host client report definitions.
B. Use SQL Azure to host server report definitions.
C. Use Windows Azure to host client report definitions in an ASP.NET webpage.
D. Use Windows Azure to host server report definitions in an ASP.NET webpage.

Answer: C
Explanation:

QUESTION NO: 14

You are planning to move streaming media content to Windows Azure Storage.

You need to recommend an approach for providing worldwide users the fastest possible access to the content. Which two actions should you recommend? (Each correct answer presents part of the solution. Choose two.)

A. Use a Shared Access Signature.
B. Use Windows Azure page blob storage
C. Use Windows Azure block blob storage.
D. Use the Windows Azure Content Delivery Network (CDN).

Answer: C,D
Explanation:

QUESTION NO: 15

You are designing a plan for migrating Virtual Hard Disks (VHDs) and video files to Windows Azure Storage.

The VHDs must be optimized for random read/write operation. The video files must be optimized for sequential access.

You need to recommend storage types for storing the VHDs and video files.

Which two storage types should you recommend? (Each correct answer presents part of the solution. Choose two.)

A. Store VHDs in Windows Azure page blob storage.
B. Store VHDs in Windows Azure block blob storage.
C. Store video files in Windows Azure page blob storage.
D. Store video files in Windows Azure block blob storage.

Answer: A,D
Explanation:

QUESTION NO: 16

You are designing a Windows Azure application that will use Windows Azure Table storage. The application will allow teams of users to collaborate on projects. Each user is a member of only one team.

You have the following requirements:

·Ensure that each user can efficiently query records related to his or her team's projects.

·Minimize data access latency.

You need to recommend an approach for partitioning table storage entities.

What should you recommend?

A. Partition by user.
B. Partition by team.
C. Partition by project.
D. Partition by the current date.

Answer: B
Explanation:

QUESTION NO: 17

You are designing a Windows Azure application that will use Windows Azure Table storage.

You need to recommend an approach for minimizing storage costs.

What should you recommend?

A. Use Entity Group Transactions.