



Vendor: Microsoft

Exam Code: 70-465

Exam Name: Designing Database Solutions for Microsoft
SQL Server 2014 Exam

Version: DEMO

Case Study 1 - Litware, Inc Case (Question 40 - Question 49)

Case Study 2: Contoso, Ltd (Question 50 - Question 61)

Case Study 3: A. Datum Case(Question 62 - Question 75)

Case Study 4: Fairstone Manufacturing Inc (Question 76 - Question 80)

Case Study 5: Leaffield Solutions (Question 81 - Question 87)

Case Study 6: Fabrikam, Inc (Question 140 - Question 151)

QUESTION 1

Drag and Drop Question

You need to recommend which statement should be used to update SalesOrder.

How should you recommend completing the statement? To answer, drag the appropriate elements to the correct locations. Each element may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

Elements	Answer Area
EXPLICIT	SET
ISOLATION	LEVEL
READ UNCOMMITTED	BEGIN
ROLLBACK	UPDATE SalesOrder
SERIALIZABLE	...
SNAPSHOT	COMMIT TRANSACTION;
TABLOCK	
TRANSACTION	

Answer:

Elements

- EXPLICIT
- ISOLATION
- READ UNCOMMITTED
- ROLLBACK
- SERIALIZABLE
- SNAPSHOT
- TABLOCK
- TRANSACTION

Answer Area

```

SET TRANSACTION ISOLATION
LEVEL SNAPSHOT
BEGIN TRANSACTION
UPDATE SalesOrder
...
COMMIT TRANSACTION;
    
```

QUESTION 2

You have a database hosted on SQL Server 2012 R2. The database contains 5 million rows. You need to recommend a repeatable method to migrate the database to SQL Azure. Which method should you recommend? More than one answer choice may achieve the goal. Select the BEST answer.

- A. Create a SQL Server Integration Services (SSIS) package, and then run the package.
- B. Back up the database, and then restore the database.
- C. Extract a data-tier application, and then import the application.
- D. Generate scripts to create all of the all database objects and all of the data, and then execute the scripts by using SQL Azure.

Answer: A

Explanation:

SQL Server Integration Services

Most flexibility

Data Transfer Efficiency: Good

/ SSIS can be used to perform a broad range of data migration tasks. SSIS provides support for complex workflow and data transformation between the source and destination. It is a good choice to transfer of data for databases that require many changes to work on Microsoft Azure SQL Database. You can use SSIS data transfer packages with another mechanism for transferring the database schema, such as a Data-tier Application package.

Incorrect:

Not D: Generate Scripts Wizard

Has explicit option for Azure SQL Database scripts generation Data Transfer Efficiency: Poor

Good for smaller database

/ Using the Generate Scripts wizard to migrate a SQL Server database to Azure SQL Database should be limited to:

Teams who have experience with the wizard.

Migrating simple databases that need few schema changes to run on Azure SQL Database. The scripts generated from the source database can be modified before being used to create the new version of the database on Azure SQL Database, but using a database project in the SQL Server Data Tools has richer support for making schema changes.

Migrating small databases that do not have much data. The wizard generates scripts that use insert statements instead of bulk copies to transfer the data. The insert statements can be throttled when the tables contain too much data, and are not as fast as bulk copies.

QUESTION 3

You have a SQL Server 2014 database named DB1.

You plan to import a large number of records from a SQL Azure database to DB1.

You need to recommend a solution to minimize the amount of space used in the transaction log during the import operation.

What should you include in the recommendation?

- A. The bulk-logged recovery model
- B. The full recovery model
- C. A new partitioned table
- D. A new log file
- E. A new file group

Answer: A

Explanation:

Compared to the full recovery model, which fully logs all transactions, the bulk-logged recovery model minimally logs bulk operations, although fully logging other transactions. The bulk-logged recovery model protects against media failure and, for bulk operations, provides the best performance and least log space usage.

Note:

The bulk-logged recovery model is a special-purpose recovery model that should be used only intermittently to improve the performance of certain large-scale bulk operations, such as bulk imports of large amounts of data.

QUESTION 4

You have a server named Server1 that has 2 processors.

You plan to deploy multiple instances of SQL Server 2014 to Server1. Each instance will have multiple databases.

You need to recommend a method to allocate processor time to each database.

What should you include in the recommendation?

More than one answer choice may achieve the goal. Select the BEST answer.

- A. Resource Governor
- B. Max Degree of Parallelism
- C. Windows System Resource Manager (WSRM)
- D. Processor affinity

Answer: A

Explanation:

SQL Server Resource Governor is a feature that you can use to manage SQL Server workload and system resource consumption. Resource Governor enables you to specify limits on the

amount of CPU, physical IO, and memory that incoming application requests can use.

Incorrect:

D: PROCESS AFFINITY

Enables hardware threads to be associated with CPUs.

QUESTION 5

You have a SQL Server 2014 environment That includes four servers. The servers are configured as shown in the following table.

Server name	SQL Server 2014 edition	SQL Server version	Details
Server1	Enterprise	SQL Server 2014	A production Online Transaction Processing (OLTP) server
Server2	Web	SQL Server 2014	A test server
Server3	Standard	SQL Server 2012	A production report server
Server4	Express	SQL Server 2008 R2	A witness server

You plan to configure Policy-Based Management to enforce the following rules:

- On Server1, enable SQL Server password policies and enable the default trace.
- On Server3, ensure that the names of user-defined stored procedures begin with the prefix "usp_" and ensure that all databases use a case-sensitive collation.

You need to recommend which server you must configure as a Central Management Server. Which server should you recommend? (Each correct answer presents a complete solution. Choose all that apply.)

- A. Server1
- B. Server2
- C. Server3
- D. Seiver4

Answer: AC

Explanation:

Need Standard or Enterprise edition of SQL Server.

QUESTION 6

You are the administrator for a SQL Server 2014 instance that stores the data for an online transaction processing sales system.

The company takes full backups every week; differential backups on the days with no full backups; and hourly transaction backups. These backups are stored on a backup server in the company's data center.

Every week, the company places the full backup on a tape and sends it to a third-party backup storage system.

The company is worried that a disaster might occur that could destroy their computer center and cause them to lose orders.

You need to determine the best method for providing the smallest amount of data loss and downtime without leasing or purchasing additional physical locations.

What should you do? More than one answer choice may achieve the goal. Select the BEST answer.

- A. Set up SQL Server Always On with a SQL Azure database as a replica.
- B. Set up SQL Server Always On by using a SQL Server on a Windows Azure Virtual Machine.
- C. Put the differential backup on tape and send it to the third-party backup storage system.
- D. Use the Microsoft SQL Server Backup to Microsoft Windows Azure Tool to direct all backups to a different geographical location.

Answer: D

Explanation:

SQL Server 2012 was the first version to provide the ability to back up databases to the Cloud, and SQL Server 2014 improves on the process.

Microsoft SQL Server Backup to Windows Azure Tool enables backup to Windows Azure Blob Storage and encrypts and compresses SQL Server backups stored locally or in the cloud.

QUESTION 7

Drag and Drop Question

You have an SQL Server 2014 server.

You plan to create four stored procedures that will use transactions.

The stored procedures will be configured as shown in the following table.

Stored procedure name	Concurrency strategy
SP1	A transaction will only recognize data changes made before the start of the transaction. Other transactions are allowed to modify data.
SP2	A transaction can read data made from another transaction that has not been committed.
SP3	A transaction can only read data made from another transaction that has been committed.
SP4	During a transaction, no other transactions can modify data.

You need to recommend an isolation level for each stored procedure. The solution must support the concurrency strategy of each stored procedure and must minimize locks.

What should you recommend? To answer, drag the appropriate isolation levels to the correct stored procedures. Each isolation level may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

Isolation Levels	Answer Area
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin-bottom: 5px;">READ COMMITTED</div> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin-bottom: 5px;">READ UNCOMMITTED</div> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin-bottom: 5px;">REPEATABLE READ</div> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin-bottom: 5px;">SERIALIZABLE</div> <div style="border: 1px solid black; padding: 5px; width: fit-content;">SNAPSHOT</div>	<p>SP1: Isolation level</p> <p>SP2: Isolation level</p> <p>SP3: Isolation level</p> <p>SP4: Isolation level</p>

Answer:

Isolation Levels

- READ COMMITTED
- READ UNCOMMITTED
- REPEATABLE READ
- SERIALIZABLE
- SNAPSHOT

Answer Area

- SP1: SNAPSHOT
- SP2: REPEATABLE READ
- SP3: READ COMMITTED
- SP4: SERIALIZABLE

QUESTION 8

You have a SQL Server instance on a server named Server1.

You need to recommend a solution to perform the following tasks every week:

- Rebuild the indexes by using a new fill factor.
- Run a custom T-SQL command.
- Back up the databases.

What should you recommend?

More than one answer choice may achieve the goal. Select the BEST answer.

- A. A trigger
- B. An alert
- C. A maintenance plan
- D. Windows PowerShell
- E. A system policy

Answer: C

Explanation:

Maintenance plans create a workflow of the tasks required to make sure that your database is optimized, regularly backed up, and free of inconsistencies.

QUESTION 9

You need to recommend a solution to back up DB1.

What should you include in the recommendation?

- A. Azure Table Storage
- B. Azure Queue storage
- C. Azure Blob storage
- D. Azure Document DB

Answer: C

Explanation:

Explanation: For SQL Server the Azure Blob Storage service offers a better alternative to the often used tape option to archive backups. Tape storage might require physical transportation to an off-site facility and measures to protect the media. Storing your backups in Azure Blob Storage

provides an instant, highly available, and a durable archiving option.

<https://azure.microsoft.com/en-us/documentation/articles/storage-use-storage-sql-server-backup-restore/>

QUESTION 10

You have a customer who has several SQL Server 2012 database servers.

You are designing a data warehouse for the customer. The data warehouse will use columnstore indexes.

The customer identifies that the following must be supported for the column store indexes.

- Data manipulation language (DML) statements
- Nonclustered columnstore indexes
- Clustered columnstore indexes
- Partitioning

You need to identify which technology requires the customer to implement an SQL Server 2014 database.

What should you identify?

- A. clustered columnstore indexes
- B. nonclustered columnstore indexes
- C. data manipulation language (DML) statements
- D. partitioning

Answer: A

Explanation:

SQL Server 2014 has the features of SQL Server 2012 plus updateable clustered columnstore indexes. This feature is required here as DML statements must be supported in the warehouse.
[https://msdn.microsoft.com/en-us/library/gg492088\(v=sql.120\).aspx](https://msdn.microsoft.com/en-us/library/gg492088(v=sql.120).aspx)

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