



70-457^{Q&As}

Transition Your MCTS on SQL Server 2008 to MCSA: SQL Server
2012, Part 1

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QUESTION 1

You administer all the deployments of Microsoft SQL Server 2012 in your company. A database contains a large product catalog that is updated periodically.

You need to be able to send the entire product catalog to all branch offices on a monthly basis. Which configuration should you use?

A.

Two servers configured in the same data center

A primary server configured to perform log-shipping every 10 minutes

A backup server configured as a warm standby B

SQL Server that includes an application database configured to perform transactional replication

B.

Two servers configured in the same data center

SQL Server Availability Group configured in Asynchronous-Commit Availability Mode

One server configured as an Active Secondary D

Two servers configured in a Windows Failover Cluster in the same data center

SQL Server configured as a clustered instance

C.

SQL Server that includes an application database configured to perform snapshot replication

D.

Two servers configured in different data centers

SQL Server Availability Group configured in Synchronous-Commit Availability Mode

One server configured as an Active Secondary

E.

Two servers configured on the same subnet

SQL Server Availability Group configured in Synchronous-Commit Availability Mode

F.

Two servers configured in different data centers

SQL Server Availability Group configured in Asynchronous-Commit Availability Mode

Correct Answer: E



Reference: <http://msdn.microsoft.com/en-us/library/ms151832.aspx>

QUESTION 2

You have a Microsoft SQL Server 2012 database that contains tables named Customers and Orders.

The tables are related by a column named CustomerID.

You need to create a query that meets the following requirements:

Returns the CustomerName for all customers and the OrderDate for any orders that they have placed. Results must include customers who have not placed any orders.

Which Transact-SQL query should you use?

- A. `SELECT CustomerName, OrderDate FROM Customers RIGHT OUTER JOIN Orders ON Customers.CustomerID = Orders.CustomerID`
- B. `SELECT CustomerName, OrderDate FROM Customers JOIN Orders ON Customers.CustomerID = Orders.CustomerID`
- C. `SELECT CustomerName, OrderDate FROM Customers CROSS JOIN Orders ON Customers.CustomerID = Orders.CustomerID`
- D. `SELECT CustomerName, OrderDate FROM Customers LEFT OUTER JOIN Orders ON Customers.CustomerID = Orders.CustomerID`

Correct Answer: D

Reference: <http://msdn.microsoft.com/en-us/library/ms177634.aspx>

QUESTION 3

You administer three Microsoft SQL Server 2012 servers named ServerA, ServerB, and ServerC. ServerA is the acting principal and ServerB is the mirror.

You need to add ServerC as a witness to the existing mirroring session between ServerA and ServerB.

You need to achieve this goal without delaying synchronization.

Which three actions should you perform in sequence? (To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.)

Select and Place:



On ServerC, create an endpoint for use by the witness.	
Ensure that the same Windows Login exists on each server and grant Connect permissions to each server's endpoint.	
On ServerA, alter the principal database to use the endpoint on ServerC as the witness.	
On ServerA, pause the mirroring session between ServerA and ServerB.	
On ServerB, alter the principal database to use the endpoint on ServerC as the witness.	
Ensure that the same Proxy exists on each server and grant Connect permissions to each server's endpoint.	
On ServerA, resume the mirroring session between ServerA and ServerB.	

Correct Answer:

On ServerA, pause the mirroring session between ServerA and ServerB.	
On ServerB, alter the principal database to use the endpoint on ServerC as the witness.	
Ensure that the same Proxy exists on each server and grant Connect permissions to each server's endpoint.	
On ServerA, resume the mirroring session between ServerA and ServerB.	

Reference: <http://msdn.microsoft.com/en-us/library/ms190430.aspx>

QUESTION 4

You create a table that has the StudentCode, SubjectCode, and Marks columns to record mid-year marks for students. The table has marks obtained by 50 students for various subjects.

You need to retrieve the students who scored the highest marks for each subject along with the marks.

Which Transact-SQL query should you use?



- A. SELECT StudentCode as Code, RANK() OVER(ORDER BY AVG(Marks) DESC) AS Value FROM StudentMarks GROUP BY StudentCode
- B. SELECT Id, Name, Marks, DENSE_RANK() OVER(ORDER BY Marks DESC) AS Rank FROM StudentMarks
- C. SELECT StudentCode as Code, DENSE_RANK() OVER(ORDER BY AVG(Marks) DESC) AS Value FROM StudentMarks GROUP BY StudentCode
- D. SELECT StudentCode as Code, NTILE(2) OVER(ORDER BY AVG(Marks) DESC) AS Value FROM StudentMarks GROUP BY StudentCode
- E. SELECT StudentCode AS Code, Marks AS Value FROM (SELECT StudentCode, Marks AS Marks, RANK() OVER(PARTITION BY SubjectCode ORDER BY Marks ASC) AS Rank FROM StudentMarks) tmp WHERE Rank = 1
- F. SELECT StudentCode AS Code, Marks AS Value FROM (SELECT StudentCode, Marks AS Marks, RANK() OVER(PARTITION BY SubjectCode ORDER BY Marks DESC) AS Rank FROM StudentMarks) tmp WHERE Rank = 1
- G. SELECT StudentCode AS Code, Marks AS Value FROM (SELECT StudentCode, Marks AS Marks, RANK() OVER(PARTITION BY StudentCode ORDER BY Marks ASC) AS Rank FROM StudentMarks) tmp WHERE Rank = 1
- H. SELECT StudentCode AS Code, Marks AS Value FROM (SELECT StudentCode, Marks AS Marks, RANXO OVER(PARTITION BY StudentCode ORDER BY Marks DESC) AS Rank FROM StudentMarks) tmp WHERE Rank = 1

Correct Answer: F

QUESTION 5

You administer a Microsoft SQL Server 2012 server that hosts a transactional database and a reporting database. The transactional database is updated through a web application and is operational throughout the day. The reporting database is only updated from the transactional database.

The recovery model and backup schedule are configured as shown in the following table:



Database	Description
Transactional database	<p>Recovery model:</p> <ul style="list-style-type: none">• Full <p>Backup schedule:</p> <ul style="list-style-type: none">• Full database backup: midnight, daily• Differential database backup: on the hour, every two hours starting at 02:00 hours except at 00:00 hours• Log backup: every half hour, except at the times of full and differential backups
Reporting database	<p>Recovery model:</p> <ul style="list-style-type: none">• Simple <p>Backup schedule:</p> <ul style="list-style-type: none">• Full database backup: 01:00 hours daily• Differential database backup: 13:00 hours daily <p>Data updates:</p> <ul style="list-style-type: none">• Changes in data are updated from the transactional database to the reporting database at 00:30 hours and at 12:30 hours• The update takes 15 minutes

The differential backup of the reporting database fails. Then, the reporting database fails at 14:00 hours.

You need to ensure that the reporting database is restored. You also need to ensure that data loss is minimal.

What should you do?

- A. Restore the latest full backup, and restore the latest differential backup. Then, restore the latest log backup.
- B. Perform a point-in-time restore.
- C. Restore the latest full backup.
- D. Restore the latest full backup, and restore the latest differential backup. Then, restore each log backup taken before the time of failure from the most recent differential backup.
- E. Restore the latest full backup. Then, restore the latest differential backup.
- F. Restore the latest full backup. Then, restore each differential backup taken before the time of failure from the most recent full backup.
- G. Perform a page restore.
- H. Perform a partial restore.



Correct Answer: C

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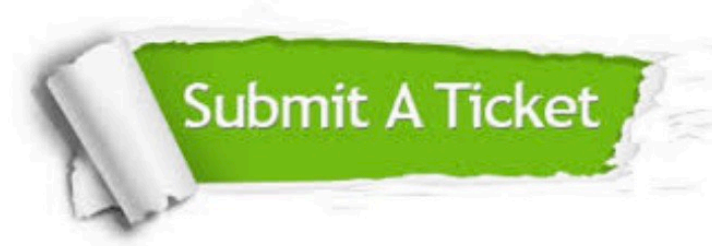
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24x7 Customer Support
Average 99.9% Success Rate
More than 800,000 Satisfied Customers Worldwide
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