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70-462

Administering Microsoft SQL Server 2012/2014 Databases

Sections

1. Volume A
2. Volume B

Exam A

QUESTION 1

You administer several Microsoft SQL Server database servers. Merge replication has been configured for an application that is distributed across offices throughout a wide area network (WAN).

Many of the tables involved in replication use the XML and varchar (max) data types. Occasionally, merge replication fails due to timeout errors.

You need to reduce the occurrence of these timeout errors.

What should you do?

- A. Set the Merge agent on the problem subscribers to use the slow link agent profile.
- B. Create a snapshot publication, and reconfigure the problem subscribers to use the snapshot publication.
- C. Change the Merge agent on the problem subscribers to run continuously.
- D. Set the Remote Connection Timeout on the Publisher to 0.

Correct Answer: A

Section: Volume A

Explanation

Explanation/Reference:

Explanation:

When replication is configured, a set of agent profiles is installed on the Distributor. An agent profile contains a set of parameters that are used each time an agent runs: each agent logs in to the Distributor during its startup process and queries for the parameters in its profile.

For merge subscriptions that use Web synchronization, profiles are downloaded and stored at the Subscriber. If the profile is changed, the profile at the Subscriber is updated the next time the Merge Agent runs. For more information about Web synchronization, see [Web Synchronization for Merge Replication](#).

Replication provides a default profile for each agent and additional predefined profiles for the Log Reader Agent, Distribution Agent, and Merge Agent. In addition to the profiles provided, you can create profiles suited to your application requirements. An agent profile allows you to change key parameters easily for all agents associated with that profile. For example, if you have 20 Snapshot Agents and need to change the query timeout value (the - QueryTimeout parameter), you can update the profile used by the Snapshot Agents and all agents of that type will begin using the new value automatically the next time they run.

You might also have different profiles for different instances of an agent. For example, a Merge Agent that connects to the Publisher and Distributor over a dialup connection could use a set of parameters that are better suited to the slower communications link by using the slow link profile.

QUESTION 2

DRAG DROP

You administer two Microsoft SQL Server 2012 servers named ServerA and ServerB. You use a database named AdventureWorks.

You need to prepare the AdventureWorks database for database mirroring. ServerB will act as the mirror in a mirroring partnership along with ServerA.

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:

Actions

Back up AdventureWorks on ServerA by using a full backup

Back up AdventureWorks on ServerA by using a full backup followed by a transaction log backup by using the **NORECOVERY** option

Back up AdventureWorks on ServerA by using a transaction log backup. Restore the transaction log backup by using the **RECOVERY** option on ServerB

Back up AdventureWorks on ServerA by using a transaction log backup. Restore the transaction log backup by using the **NORECOVERY** option on ServerB

Restore the full database backup of AdventureWorks by using the **NORECOVERY** option on ServerB as AdventureWorks

Restore the full database backup of AdventureWorks by using the **RECOVERY** option on ServerB as Adventure_Mirror

Answer Area

Correct Answer:

Actions

Back up AdventureWorks on ServerA by using a full backup followed by a transaction log backup by using the **NORECOVERY** option

Back up AdventureWorks on ServerA by using a transaction log backup. Restore the transaction log backup by using the **RECOVERY** option on ServerB

Restore the full database backup of AdventureWorks by using the **RECOVERY** option on ServerB as Adventure_Mirror

Answer Area

Back up AdventureWorks on ServerA by using a full backup

Restore the full database backup of AdventureWorks by using the **NORECOVERY** option on ServerB as AdventureWorks

Back up AdventureWorks on ServerA by using a transaction log backup. Restore the transaction log backup by using the **NORECOVERY** option on ServerB

Section: Volume A

Explanation

Explanation/Reference:

Reference:

<http://msdn.microsoft.com/en-us/library/ms189852.aspx>

<http://msdn.microsoft.com/en-us/library/ms190941.aspx>

QUESTION 3

You create an availability group named HaContoso that has replicas named Server01/HA, Server02/HA, and Server03/HA.

Currently, Server01/HA is the primary replica.

You need to ensure that the following requirements are met:

- Backup operations occur on Server02/HA.
- If Server02/HA is unavailable, backup operations occur on Server03/HA.
- Backup operations do not occur on Server01/HA.

How should you configure HaContoso?

- A. Set the backup preference of HaContoso to Prefer Secondary.
Set the backup priority of Server02/HA to 20.
Set the backup priority of Server03/HA to 10.
- B. Set the backup preference of HaContoso to Secondary only.
Set the backup priority of Server02/HA to 20.
Set the backup priority of Server03/HA to 10.
- C. Set the backup preference of HaContoso to Secondary only.
Set the backup priority of Server02/HA to 10.
Set the backup priority of Server03/HA to 20.
- D. Set the exclude replica of Server01/HA to true.
Set the backup priority of Server02/HA to 10.
Set the backup priority of Server03/HA to 20.

Correct Answer: B
Section: Volume A
Explanation

Explanation/Reference:

Reference:

<http://msdn.microsoft.com/en-us/library/ff877884.aspx>

QUESTION 4

You administer a Microsoft SQL Server 2012 instance that has several SQL Server Agent jobs configured.

When SQL Server Agent jobs fail, the error messages returned by the job steps are truncated.

The following error message is an example of the truncated error message:

```
"Executed as user CONTOSO\ServiceAccount....0.4035.00 for 64-bit Copyright (C) Microsoft Corp 1984-2011. All rights reserved. Started 63513 PM Error 2012-06-23 183536.87 Code 0XC001000E Source UserImport Description Code 0x00000000 Source Log Import Activity Descript... The package execution fA. .. The step failed. "
```

You need to ensure that all the details of the job step failures are retained for SQL Server Agent jobs.

What should you do?

- A. Expand agent logging to include information from all events.
- B. Disable the Limit size of job history log feature.
- C. Configure event forwarding.
- D. Configure output files.

Correct Answer: D
Section: Volume A
Explanation

Explanation/Reference:

QUESTION 5

DRAG DROP

You administer a Microsoft SQL Server 2012 environment that contains a production SQL Server 2005 instance named SQL2005 and a development SQL Server 2012 instance named SQL2012.

The development team develops a new application that uses the SQL Server 2012 functionality. You are planning to migrate a database from SQL2005 to SQL2012 so that the development team can test their new application.

You need to migrate the database without affecting the production environment.

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:

Actions

- Perform a transaction log on SQL2005
- Perform a full database on SQL2005
- Perform a VSS backup on the database
- Perform a VSS backup on SQL2012
- Restore the database backup and transaction log backup on SQL2012
- Change the compatibility level of the database to 120 on SQL2012
- Change the compatibility level of the database to 110 on SQL2012

Answer Area

Correct Answer:

Actions

- Perform a transaction log on SQL2005
-
- Perform a VSS backup on the database
- Perform a VSS backup on SQL2012
-
- Change the compatibility level of the database to 120 on SQL2012
-

Answer Area

- Perform a full database on SQL2005
- Restore the database backup and transaction log backup on SQL2012
- Change the compatibility level of the database to 110 on SQL2012

Explanation

Explanation/Reference:

Reference: <http://msdn.microsoft.com/en-us/library/ms177429.aspx>

QUESTION 6

DRAG DROP

You administer three Microsoft SQL Server 2008 R2 instances.

Database mirroring is configured in High-Safety mode with Automatic Failover between the following three servers:

- SQL1 is the Principal server.
- SQL2 is the mirror server.
- SQL3 is the witness server.

You need to upgrade SQL1 and SQL2 to SQL Server 2012. You need to ensure that downtime is minimized during the upgrade.

Which six 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:

Actions

Answer Area

Configure log shipping between SQL1 and SQL2

Upgrade SQL1 to SQL Server 2012

Upgrade SQL2 to SQL Server 2012

Disable log shipping between SQL1 and SQL2

Manually failover the database from SQL1 to SQL2

Manually failover the database from SQL2 to SQL1

Add SQL3 back to the database mirroring solution

Remove SQL3 from the database mirroring solution

Correct Answer:

Actions

Configure log shipping between SQL1 and SQL2

Disable log shipping between SQL1 and SQL2

Answer Area

Remove SQL3 from the database mirroring solution

Upgrade SQL2 to SQL Server 2012

Manually failover the database from SQL1 to SQL2

Upgrade SQL1 to SQL Server 2012

Manually failover the database from SQL2 to SQL1

Add SQL3 back to the database mirroring solution

Section: Volume A

Explanation

Explanation/Reference:

Reference:

<http://msdn.microsoft.com/en-us/library/bb677181.aspx>

QUESTION 7

You administer a Microsoft SQL Server server that has SQL Server Integration Services (SSIS) installed.

You plan to deploy new SSIS packages to the server. The SSIS packages use the Project Deployment Model together with parameters and Integration Services environment variables.

You need to configure the SQL Server environment to support these packages.

What should you do?

- A. Create SSIS configuration files for the packages.
- B. Create an Integration Services catalog.
- C. Install Data Quality Services.
- D. Install Master Data services.

Correct Answer: B

Section: Volume A

Explanation

Explanation/Reference:

Explanation:

The SSISDB catalog is the central point for working with Integration Services (SSIS) projects that you've deployed to the Integration Services server. For example, you set project and package parameters, configure environments to specify runtime values for packages, execute and troubleshoot packages, and manage Integration Services server operations.

The objects that are stored in the SSISDB catalog include projects, packages, parameters, environments, and operational history.

References:

<http://msdn.microsoft.com/en-us/library/hh479588.aspx>

QUESTION 8

You administer a Microsoft SQL Server 2012 server.

When transaction logs grow, SQL Server must send an email message to the database administrators.

You need to configure SQL Server to send the email messages.

What should you configure?

- A. SQL Mail
- B. An Extended Events session
- C. Alerts and operators in SQL Server Agent
- D. Policies under Policy-Based Management

Correct Answer: C

Section: Volume A

Explanation

Explanation/Reference:

QUESTION 9

You administer two instances of Microsoft SQL Server 2012. You deploy an application that uses a database on the named instance.

The application is unable to connect to the database on the named instance.

You need to ensure that the application can connect to the named instance.

What should you do?

- A. Use the Data Quality Client to configure the application.
- B. Start the SQL Server Browser Service.
- C. Use the Master Data Services Configuration Manager to configure the application.
- D. Start the SQL Server Integration Services Service.

Correct Answer: B

Section: Volume A

Explanation

Explanation/Reference:

QUESTION 10

HOTSPOT

You administer a Microsoft SQL Server database.

The database contains a table that has the following definition:

```
CREATE TABLE [Sales].[Customer] (  
  [CustomerID] int NOT NULL,  
  [CustomerName] nvarchar(50) NOT NULL,  
  [TerritoryID] int NULL,  
  [LastContactDate] datetimeoffset NULL,  
  [CustomerType] nchar(1) NOT NULL,  
  [Notes] varchar(250) NULL  
)
```

You want to export data from the table to a flat file by using the SQL Server Import and Export Wizard.

You need to ensure that the following requirements are met:

- The first row of the file contains the first row of data.
- Each record is of the same length.
- The date follows the U.S. date format.
- The file supports international characters.

What should you do? (To answer, configure the appropriate option or options in the dialog box in the answer area.)

Hot Area: