

## Exam Questions 70-473

Designing and Implementing Cloud Data Platform Solutions

<https://www.2passeasy.com/dumps/70-473/>



#### NEW QUESTION 1

You need to identify which methods to use to migrate MovieReviewDB and CWDB.

Which method should you identify for each database? To answer, select the appropriate options in the answer area.

### Answer Area

CWDB:

Azure Import and Export Service  
Azure ExpressRoute  
the bcp utility

MovieReviewDB:

Azure ExpressRoute  
the BACKUP and RESTORE statements  
the Deploy Database to Microsoft Azure Database task

**Answer:**

**Explanation:** References:

<https://azure.microsoft.com/en-gb/documentation/articles/sql-database-cloud-migrate-compatible-using-ssms-mi>

#### NEW QUESTION 2

A marketing department manager reports that the marketing department database contains incorrect data. The manager reports that the data was correct yesterday.

You need to recommend a method to recover the data.

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

Actions		Answer Area
Perform a point-in-time restore.		
Modify the firewall rules.		
Rename the database.		
Enable Change Tracking.	➤	⬆
Create a new Azure SQL database server.	⬅	⬇
Delete the database.		
Migrate the database to an on-premises instance.		

**Answer:**

**Explanation:**

### Actions

Perform a point-in-time restore.

Modify the firewall rules.

Rename the database.

Enable Change Tracking.

Create a new Azure SQL database server.

Delete the database.

Migrate the database to an on-premises instance.

### Answer Area

Rename the database.

Perform a point-in-time restore.

Delete the database.

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### NEW QUESTION 3

You are evaluating the migration of the databases from Host1 and WebData1 to Azure.

You need to recommend the most cost-effective solution for storing the database in Azure. The solution must meet the business requirements.

In the table below, recommend the most cost-effective storage solution for Host1 and WebData1. NOTE: Make only one selection in each column.

Answer Area		
Solutions	Host1	WebData1
SQL Server 2014 Standard edition installed on an Azure virtual machine	<input type="radio"/>	<input type="radio"/>
SQL Server 2014 Enterprise edition installed on an Azure virtual machine	<input type="radio"/>	<input type="radio"/>
a single Azure SQL database on the Basic service tier	<input type="radio"/>	<input type="radio"/>
an Azure SQL Database elastic database pool on the Basic service tier	<input type="radio"/>	<input type="radio"/>
a single Azure SQL database on the Standard service tier	<input type="radio"/>	<input type="radio"/>
an Azure SQL Database elastic database pool on the Standard service tier	<input type="radio"/>	<input type="radio"/>

Answer:

Explanation:



## Answer Area

Solutions	Host1	WebData1
SQL Server 2014 Standard edition installed on an Azure virtual machine	<input type="radio"/>	<input type="radio"/>
SQL Server 2014 Enterprise edition installed on an Azure virtual machine	<input checked="" type="radio"/>	<input type="radio"/>
a single Azure SQL database on the Basic service tier	<input type="radio"/>	<input type="radio"/>
an Azure SQL Database elastic database pool on the Basic service tier	<input type="radio"/>	<input type="radio"/>
a single Azure SQL database on the Standard service tier	<input type="radio"/>	<input type="radio"/>
an Azure SQL Database elastic database pool on the Standard service tier	<input type="radio"/>	<input checked="" type="radio"/>

### NEW QUESTION 4

You are planning the consolidation of the databases from Host1.

You need to identify which methods to use to back up the data after the consolidation completes. What are two possible methods that achieve this goal? Each correct answer presents a complete solution.

- A. BACKUP TO URL
- B. AlwaysOn failover clustering
- C. a maintenance plan
- D. AlwaysOn Availability Groups

**Answer:** AC

**Explanation:** Topic 2, ADatumCorporationOverview

General Overview

ADatumCorporation is a real estate firm that has offices throughout North America.

ADatumhas a main office and four branch offices. The main office is located in Seattle. The branch offices are located in New York, Montreal, Denver, and Vancouver.

Existing Environment

Network Infrastructure

The network contains one Active Directory domain namedADatum.com. Each office contains one domain controller.

Each office has a 100-Mbps connection to the Internet that is 20 percent saturated on average. The offices connect to each other through the Internet by using VPN appliances.

ADatumuses the public IP addresses shown in the following table.

Office	Public IP address
Seattle	131.107.1.6
New York	131.107.2.6
Montreal	131.107.3.6
Denver	131.107.4.6
Vancouver	131.107.5.6

SQL Server Infrastructure

In the main office,ADatumhosts a Microsoft SQL Server instance on a server named SQL1. SQL1 has a 400- GB database named Listings. Log-shipped copies of Listings are present in each branch office. The copies are used for reporting. Currently, all of the SQL Server instances run SQL Server 2014 Enterprise edition.

Each branch office has an application server that hosts an application named App1. App1 is configured to connect to the Listings database on each local SQL Server instance for reporting and to connect to the SQL Server instance in the main office for any updates to property listings.

The main office also has an application server that hosts App1. The application server connects to the local Listings database for reporting and for any updates to the property listings.

Historic activity of the Listings database shows a maximum of 475 concurrent requests from as many as 200 concurrent connections.

User Issues

Users report that, frequently, they are disconnected from the Listings database when they run reports. Users also report that there is an unacceptable delay between when a property listing is updated and when the updated listing appears in the listings reports.

Developers report concerns about the lack of a testing environment in which code changes can be validated before being deployed to the production Listings database.

Requirements

Business Requirements

ADatumidentifies the following business requirements:

- Minimize costs, whenever possible.
- Ensure that confidential data is encrypted at all times.
- Ensure that the primary database is hosted in Microsoft Azure.
- Ensure that all production databases maintain 99.9 percent availability.
- Ensure that all of the data between the offices and Azure is encrypted.

Planned changes

ADatum plans to implement the following changes:

- Move the primary database to Azure.
- Implement a data warehouse for reporting to offload reporting from the transactional Listings database.

Technical Requirements

ADatum identifies the following technical requirements:

- A test environment that has a 200-GB subset of data from the Listings database must be implemented. The new database will be named ListTest. The new test environment will have a maximum of 10 concurrent connections.
- The migration of the Listings database must be completed in less than 60 minutes. During the migration, data must be prevented from being modified.
- The firewall settings of the Azure SQL databases must be configured to provide access to the main office only.
- Changes to the settings and the properties of the Listings database must be audited at all times.
- Access to the Clients table must be audited and data from the audit must be queryable.
- The query performance of the ListTest database must be monitored at all times.
- Reporting must be offloaded from the transactional Listings database.

High-Availability and Recovery Requirements

ADatum identifies the following high-availability and recovery requirements:

- All production databases must support automatic failover.
- Backups for the Listings database must be stored in Azure.
- The database must be recoverable if a major data loss occurs.
- A weekly backup of the ListTest database must be maintained on-premises.
- SQL1 must be integrated into the high-availability solution as a reporting server.

#### NEW QUESTION 5

You need to implement the monitoring solution for the Listings database.

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.



## Actions

## Answer Area

Use the **sys.fn\_get\_audit\_file()** function to review and report on the trapped events.

Execute the following statement.

```
CREATE EVENT SESSION
ListingsDBChange ON DATABASE
ADD EVENT
sqlserver.object_altered ( SET
collect_database_name = (1)
ACTION ( sqlserver.sql_text
,sqlserver.nt_username
,sqlserver.server_principal_name
,sqlserver.client_hostname )
WHERE object_type =
'DATABASE'
AND
sqlserver.database_name =
'Listings'
)
ADD TARGET package0.event_file
( SET filename =
N'C:\Database\XE\ListingsDBChange
WITH (STARTUP_STATE = ON);
```

Execute the following statement.

```
ALTER EVENT SESSION
ListingsDBChange
ON SERVER
STATE = START;
GO
```

Use the

**sys.fn\_xe\_file\_target\_read\_file()**  
function to review and report on the trapped events.

Execute the following statement.

```
CREATE EVENT SESSION
ListingsDBChange ON SERVER
ADD EVENT
sqlserver.object_altered ( SET
collect_database_name = (1)
ACTION ( sqlserver.sql_text
,sqlserver.nt_username
,sqlserver.server_principal_name
,sqlserver.client_hostname )
WHERE object_type =
'DATABASE'
AND
sqlserver.database_name =
'Listings'
)
ADD TARGET package0.event_file
( SET filename =
N'C:\Database\XE\ListingsDBChange
WITH (STARTUP_STATE = ON);
```

Answer:

Explanation:

## Actions

Use the **sys.fn\_get\_audit\_file()** function to review and report on the trapped events.

Execute the following statement.

```
CREATE EVENT SESSION
ListingsDBChange ON DATABASE
ADD EVENT
sqlserver.object_altered ( SET
collect_database_name = (1)
ACTION ( sqlserver.sql_text
,sqlserver.nt_username
,sqlserver.server_principal_name
,sqlserver.client_hostname )
WHERE object_type =
'DATABASE'
AND
sqlserver.database_name =
'Listings'
)
ADD TARGET package0.event_file
( SET filename =
N'C:\Database\XE\ListingsDBChange
WITH (STARTUP_STATE = ON);
```

Execute the following statement.

```
ALTER EVENT SESSION
ListingsDBChange
ON SERVER
STATE = START;
GO
```

Use the **sys.fn\_xe\_file\_target\_read\_file()** function to review and report on the trapped events.

Execute the following statement.

```
CREATE EVENT SESSION
ListingsDBChange ON SERVER
ADD EVENT
sqlserver.object_altered ( SET
collect_database_name = (1)
ACTION ( sqlserver.sql_text
,sqlserver.nt_username
,sqlserver.server_principal_name
,sqlserver.client_hostname )
WHERE object_type =
'DATABASE'
AND
sqlserver.database_name =
'Listings'
)
ADD TARGET package0.event_file
( SET filename =
N'C:\Database\XE\ListingsDBChange
WITH (STARTUP_STATE = ON);
```

```
ADD EVENT
sqlserver.object_altered ( SET
collect_database_name = (1)
ACTION ( sqlserver.sql_text
,sqlserver.nt_username
,sqlserver.server_principal_name
,sqlserver.client_hostname )
WHERE object_type =
```

Execute the following statement.

```
ALTER EVENT SESSION
ListingsDBChange
ON SERVER
STATE = START;
GO
```

Use the **sys.fn\_xe\_file\_target\_read\_file()** function to review and report on the trapped events.

### NEW QUESTION 6

You need to recommend a solution to migrate the Listings database to the cloud. What should you recommend?

- A. Stage the Listings database on an Azure virtual machine prior to the outag
- B. During the outage, perform a data import from the main office by using SQL Server Management Studio.
- C. Implement log-shipping between the main office and an Azure virtual machine prior to the migration dat
- D. During the planned outage, perform a final log backup, restore the backup to the secondary, and then switch the secondary to the primary role.
- E. Run a full backup during the outage and restore the backup to the Azure virtual machine.
- F. Implement merge replication between the main office and the Azure virtual machine.

Answer: B

### NEW QUESTION 7



You need to configure server-level access to the ListTest database. adatum

What statement should you use? To answer, drag the appropriate elements to the correct locations. Each element may be used once, or not at all.

You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Code Elements	Answer Area
EXECUTE sp_set_firewall_rule	<input type="text"/> @name = N'ADatumDBAFirewallRule',
EXEC sp_set_database_firewall_rule	@start_ip_address = <input type="text"/>
'131.107.1.6'	@end_ip_address = <input type="text"/>
'131.107.5.6'	
'127.0.0.1'	
'255.255.255.0'	
'0.0.0.0'	

Answer:

Explanation:

Code Elements	Answer Area
EXECUTE sp_set_firewall_rule	EXECUTE sp_set_firewall_rule @name = N'ADatumDBAFirewallRule',
EXEC sp_set_database_firewall_rule	@start_ip_address = <input type="text"/>
'131.107.1.6'	<input type="text"/>
'131.107.5.6'	@end_ip_address = <input type="text"/>
'127.0.0.1'	<input type="text"/>
'255.255.255.0'	<input type="text"/>
'0.0.0.0'	<input type="text"/>

#### NEW QUESTION 8

Which three components are required to meet the encryption requirements for the ListTest database? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. a Column Master Key
- B. a certificate
- C. an Always Encrypted enabled driver
- D. a Column Encryption Key
- E. a service master key
- F. a database master key

Answer: ACD

Explanation: References:

<https://docs.microsoft.com/en-us/sql/relational-databases/security/encryption/create-and-store-column-masterkey>



#### NEW QUESTION 9

You need to recommend a solution to migrate the Listings database to the cloud. What should you recommend?

- A. Stage the Listings database on an Azure virtual machine prior to the outag
- B. During the outage, perform a data import from the main office by using SQL Server Management Studio.
- C. Enable mirroring between the main office and the Azure virtual machin
- D. During the planned outage, change the mirroring roles on the Azure virtual machine to become the primary server, and then break the mirror.
- E. Run a full backup during the outage and restore the backup to the Azure virtual machine.
- F. Implement merge replication between the main office and the Azure virtual machine.

**Answer: B**

**Explanation:** <https://blogs.msdn.microsoft.com/buckwoody/2013/01/08/microsoft-windows-azure-disaster-recovery-options-f>

#### NEW QUESTION 10

You are evaluating whether an Azure SQL Database elastic database pool suits your workload and usage patterns. What are two possible ways to identify the elastic database transaction units (eDTUs)? Each correct answer presents a complete solution.

- A. Aggregate data from sys.dm\_os\_wait\_stats.
- B. Run the Database Engine Tuning Advisor.
- C. Run the Service Tier Advisor.
- D. Aggregate data from sys.dm\_db\_resource\_stats.
- E. Aggregate data from sys.dm\_os\_performance\_counters.

**Answer: DE**

**Explanation:** Topic 3, Contoso, Ltd.Overview

Contoso, Ltd. is a national scientific research company that has sales, marketing, and research departments. Contoso has a main office in Dallas and more than 20 satellite offices across the United States. Some employees work off-site at customer locations.

Contoso is expected to double in size during the next two years.

Existing Environment

The Microsoft SQL Server environment contains the servers configured as shown in the following table.

Server name	Role	Application name
SQL01	Online Transaction Processing (OLTP) primary database	One Sale
SQL02	A mirror of SQL01 and used for ad hoc reporting	One Report
SQL03	A data warehouse	One Data
Research01	A database server used by the research department	Research Gen II

Contoso currently uses SQL Server 2008 R2 on all of the database servers. SQL01 currently requires six cores and 50 GB of memory.

Once a day, database snapshots are taken on the mirror to provide ad hoc reporting and to load the data warehouse.

One report is used for ad hoc reporting by using the mirrored copy of the OLTP database. Research Gen II is a Windows application that users currently access by using Remote Desktop. Requirements

Business Goals

Contoso identifies the following business goals:

- Minimize the costs associated with purchasing hardware and software.
- Prevent any negative impact on performance when moving database platforms to the cloud.
- Audit user access to and query execution on all of the databases in the research department.

Planned changes

Contoso plans to implement the following changes:

- Upgrade SQL03 from SQL Server 2008 R2 to SQL Server 2014 on Windows Server 2012 R2.
- Migrate SQL01 and SQL02 to Infrastructure as a Service (IAAS) on SQL Server 2014.
- Leverage cloud services for a disaster recovery location and for high availability.
- Replace Research Gen II with a cloud-based application named One Research. The database for this application will be migrated to a cloud service.

Departmental Requirements

Senior research project leaders must be able to upload databases to the cloud. Initially, the databases will be less than 3 GB. Some databases may grow to 50 GB. The databases must be recoverable to any point during the past two weeks.

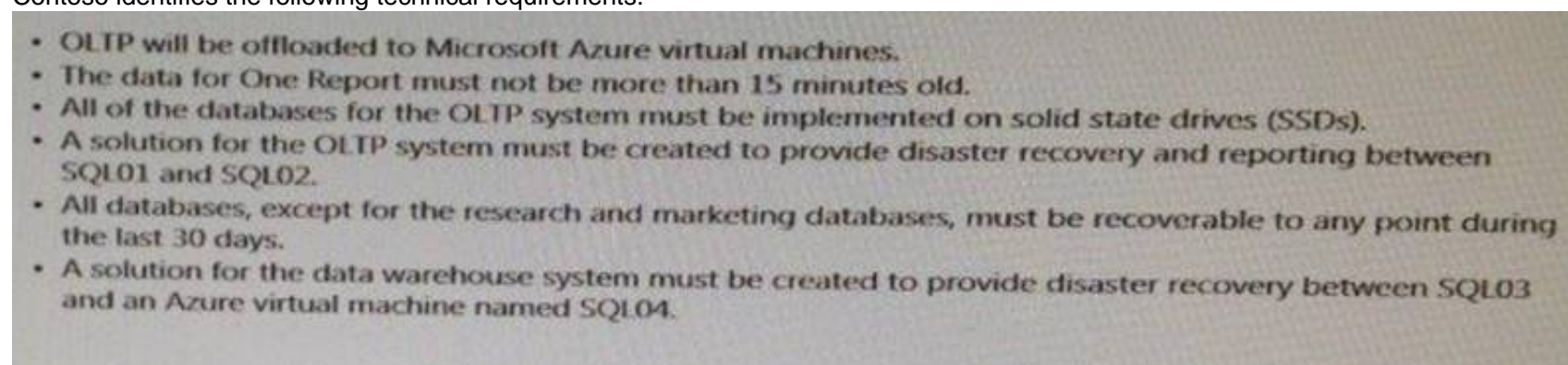
The research project leaders must monitor the performance of their databases. They must view statistics, such as query performance and overall database performance.

The marketing department plans to use cloud services to host web applications for marketing campaigns. The databases for the web applications have the requirements shown in the following table.

Marketing campaign	Database size	Number of users	Recovery point objective (RPO)	High-availability requirement
Campaign 1	1 GB	10	2 weeks	Failover
Campaign 2	200 GB	100	2 weeks	Failover and read-only
Campaign 3	200 GB	100	3 weeks	Failover

Technical Requirements

Contoso identifies the following technical requirements:



#### NEW QUESTION 10

A solution for the data warehouse system must be created to provide disaster recovery between SQL03 and an Azure virtual machine named SQL04.

You need to recommend an auditing solution that meets the business goals.

Which three events should you include in the recommendation? Each correct answer presents part of the solution.

- A. Transaction Management
- B. Stored Procedure
- C. Plain SQL
- D. Login
- E. Failed Connections

**Answer:** ABD

#### NEW QUESTION 11

A solution for the data warehouse system must be created to provide disaster recovery between SQL03 and an Azure virtual machine named SQL04.

You need to ensure that the performance statistics for the research department are collected. What should you enable?

- A. Query Performance Insight
- B. Scale and Configuration
- C. Dynamic Data Masking
- D. Index advisor

**Answer:** A

**Explanation:** References:

<https://azure.microsoft.com/en-gb/documentation/articles/sql-database-query-performance/>

#### NEW QUESTION 12

A solution for the data warehouse system must be created to provide disaster recovery between SQL03 and an Azure virtual machine named SQL04.

You need to tell the research project leaders how to migrate their databases.

Which task should you instruct the leaders to use from SQL Server Management Studio?

- A. Extract Data-tier Application
- B. Deploy Database to a Microsoft Azure VM
- C. Deploy Database to a Microsoft Azure SQL Database
- D. Copy Database

**Answer:** C

**Explanation:** References:

<https://azure.microsoft.com/en-gb/documentation/articles/sql-database-cloud-migrate-compatible-using-ssms-mi>

#### NEW QUESTION 13

A solution for the data warehouse system must be created to provide disaster recovery between SQL03 and an Azure virtual machine named SQL04.

You are evaluating the use of active geo-replication for one of the research department databases. You need to identify which service tier to use for the database.

The solution must meet the department requirements and the business requirements. What should you identify?

- A. Premium 1
- B. Premium 14
- C. Standard S0
- D. Basic

**Answer:** C

**Explanation:** References:  
<https://azure.microsoft.com/en-gb/documentation/articles/sql-database-service-tiers/>

Topic 4, Relecloud

Overview

General overview

Relecloud is an international data services company that has 3,000 users. The company has a sale department a marketing department a research department and a human resources department.

Physical location

Relecloud has one office in Seattle. The company has customers through cut North America and Europe. Relecloud has most of its computing infrastructure located in a datacenter in Los Angeles. The company also

has a few servers that are configured as Microsoft Azure virtual machines.

Existing Environment

Active Directory

The network contains an active Directory forest named relecloud.com. The forest contains two domains named relecloud.com and relecloud local. The functional level of the domain is Window Server 2008 R2.

Each office contains five domain controllers. Each office is configured as an Active Directory site. Current business model

Relecloud maintains a single Microsoft SQL Server database named Database 1. Database 1 hosts all of the data for the customers of Relecloud. Database 1 has a total of 600 GB of data.

Relecloud provides data for its customers by using several method of delivery. such as comma-separated value (CSV) files and fixed-width text files. All of the files are delivered by using file Transfer protocol (FTP) or Secure FTP (SFTP).

The SQL Server environment contains two on-premises servers and one server in the Azure region of US West. The Azure of US West, The Azure infrastructure contains an ExpressRoute connection.

The network contains the SQL server configured as shown in the following table.

Server name	Location	CPU count	RAM
ServerDB1	On-premises	16	512 GB
ServerDB2	On-premises	16	512 GB
AzDB01	US West region	16	112 GB

ServerDB1 and Server DB2 are members of an availability group. Problem statements

Relecloud identifies several issues with its current data storage model. Multiple customers report that they have issues loading files into relational databases.

Additionally, Relecloud administrators often fail to

communicate with the FTP servers of the Relecloud customers.

Currently, the memory and the CPU of ServerDB1 and ServerDB2 are nearly fully utilized.

Requirements

Business goals

Relecloud plans to take a leadership role in its industry and modernize its delivery method. The company also plans to offer its customers easier access to its data.

Planned changes

Relecloud plans to move all of its customers to a delivery model that uses Azure SQL Database and plans to maintain a single database for each customer.

Relecloud plans to automate the process of creating the required infrastructure for each new customers is approximately 10 GB and has a static size. The new customers require a rapid response time to database queries and each customer has five to concurrent logins.

Security requirements

Relecloud identifies the following security requirements: Customers must be able to read data only.

Customers must be able to create custom views.

Customers must be able to use two-factor authentication when accessing Azure SQL databases. Technical requirements

Relecloud identifies the following technical requirements:

Database administrators must be notified when the CPU pressure of AzD801 must be able to respond to customer requests for data.

Auditing requirements:

All of the requests from the stored procedures that are run against the Azure SQL databases must be logged. All auditing information must be viewable in Microsoft Excel in Real-time.

## NEW QUESTION 14

You plan to prepare the environment for the planned new customers. You need to deploy a base copy of DB1 for each customer in Azure.

Which cmdlets should you use in the Azure PowerShell script? To answer, drag the appropriate values to the correct targets. Each value 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.

NOTE: Each correct selection is worth one point.



Get-AzureRmRecoveryServices  
Backup

Get-AzureRmSqlDatabase

New-AzureRmSqlDatabase

Restore-AzureRmSqlDatabase

Set-AzureRmSiteRecovery  
Protection

**Answer Area**

```

$CustomerData = Value =ResourceGroupName "RG1"
-ServerName "server1" =DatabaseName "DG1"

Value -fromPointInTimeBackup -PointInTime UTCDateTime

-ResourceGroupName $CustomerData.ResourceGroupName -ServerName
$CustomerData.ServerName
-TargetDatabaseName "CustomerDatabase" -ResourceId $CustomerData.ResourceId
-ElasticPoolName "EP1"
                    
```

**Answer:**

**Explanation:** Box 1: Get-AzureRmSqlDatabase

The Get-AzureRmSqlDatabase cmdlet gets one or more Azure SQL databases from an Azure SQL Database Server.

Partial syntax:

Get-AzureRmSqlDatabase [[-DatabaseName] <String>] [-ServerName] <String>

[-ResourceGroupName] <String> Box 2: Restore-AzureRmSqlDatabase

The Restore-AzureRmSqlDatabase cmdlet restores a SQL database from a geo-redundant backup, a backup of a deleted database, a long term retention backup, or a point in time in a live database. The restored database is created as a new database.

Partial syntax:

Restore-AzureRmSqlDatabase

[-FromLongTermRetentionBackup]

-ResourceId <String>

-ServerName <String>

-TargetDatabaseName <String> [-Edition <String>]

[-ServiceObjectiveName <String>] [-ElasticPoolName <String>]

[-AsJob]

[-LicenseType <String>]

[-ResourceGroupName] <String>

[-DefaultProfile <IAzureContextContainer>] [<CommonParameters>]

e:

<https://docs.microsoft.com/en-us/powershell/module/azurermsql/get-azurermsqldatabase?view=azurermps-6.7.0> <https://docs.microsoft.com/en-us/powershell/module/azurermsql/restore-azurermsqldatabase?view=azurermps-6>

#### NEW QUESTION 18

Users at Relecloud report slow performance when viewing reports from AzD801. You need to identify the cause of the performance issue as quickly as possible.

Which dynamic management view and performance monitor counter should you use? To answer, select the appropriate options in the answers area.

NOTE: Each correct selection is worth one point.

Dynamic management view:

▼

Sys.dm\_io\_cluster\_shared\_drives  
Sys.dm\_io\_virtual\_file\_stats  
Sys.dm\_os\_schedulers

Performance Monitor counter:

▼

Page Life Expectancy  
Page Reads/sec  
Processor Queue Length

Answer:

**Explanation:** Box 1: Sys.dm\_io\_virtual\_file\_stats

Sys.dm\_io\_virtual\_file\_stats returns I/O statistics for data and log files. Box 2:

Page reads/sec indicates the number of physical database page reads that are issued per second. This statistic displays the total number of physical page reads across all databases. Because physical I/O is expensive, you may be able to minimize the cost, either by using a larger data cache, intelligent indexes, and more efficient queries, or by changing the database design.

Reference:

<https://docs.microsoft.com/en-us/sql/relational-databases/system-dynamic-management-views/sys-dm-io-virtual> <https://docs.microsoft.com/en-us/sql/relational-databases/performance-monitor/monitor-cpu-usage?view=sql-ser>

## NEW QUESTION 22

You need to implement a solution to meet the technical requirements for the database administrators.

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

Actions

Enable diagnostics for the resource group that contains AzDB01.

Configure email notifications.

Configure Policy-Based Management.

Enable diagnostics for AzDB01.

Create and configure a metric alert.

Answer Area

>

<

>

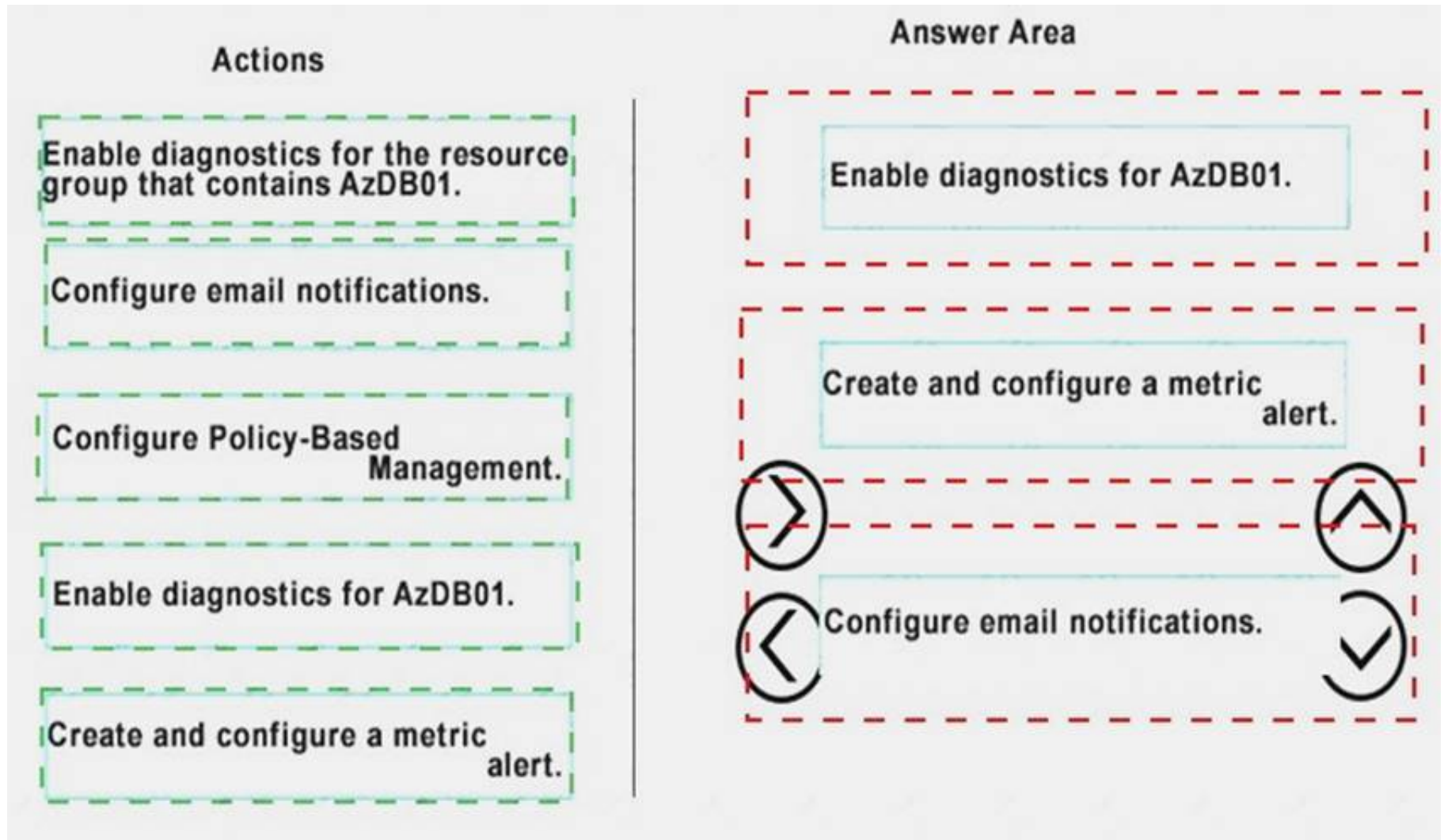
<

Answer:

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visit - <https://www.2PassEasy.com>

Explanation:



#### NEW QUESTION 24

You need to recommend a database strategy to support the planned new customers. The solution must minimize costs. What should you recommend?

- A. a Basic database pool that has at least 1,200 eDTUs
- B. a Premium database pool that has at least 1,000 eDTUs
- C. 30 Basic databases
- D. 30 Premium P14 databases

**Answer:** A

**Explanation:** Scenario: Planned changes

Relecloud plans to move all of its customers to a delivery model that uses Azure SQL Database and plans to maintain a single database for each customer. Relecloud plans to automate the process of creating the required infrastructure for each new customer, including the process of loading data to the customer databases.

Relecloud plans to onboard 30 new customer accounts during the next year. The data for the new customers is approximately 10 GB and has a static size. The new customers require a rapid response time to database queries and each customer has five to 10 concurrent logins.

Reference: <https://azure.microsoft.com/en-us/pricing/calculator/?service=sql-database>

#### NEW QUESTION 28

Relecloud recently implemented the planned changes. you plan to add a new customer named Fabrikam, Inc.

You need to ensure that the administrators at Fabrikam can access their data after the data loading process. You collect the IP addresses used by the Fabrikam administrators.

Which Transact-SQL command or Azure PowerShell cmdlet should you use next?

- A. sp\_set\_firewall\_rule
- B. Set-AzureRmSqlServerFirewallRule
- C. sp\_set\_database\_firewall\_rule
- D. new-AzureRmSqlServerFirewallRule

**Answer:** D

**Explanation:** The New-AzureRmSqlServerFirewallRule cmdlet creates a firewall rule for the specified Azure SQL Database server.

Database-level firewall rules enable clients to access certain (secure) databases within the same logical server. You can create these rules for each database (including the master database) and they are stored in the individual databases.

Reference:

<https://docs.microsoft.com/en-us/powershell/module/azurerm.sql/new-azurermsqlserverfirewallrule?view=azure> <https://docs.microsoft.com/en-us/azure/sql-database/sql-database-firewall-configure>

Topic 5, Tailspin Toys

Overview

Tailspin Toys is a worldwide manufacturing company that operates on several continents. The company has datacenters in London and New York.

Existing Environment Technical Problems

User in the London office and the New York office report quick response times when they connect to the datacenters. Users in all other offices report slow response times.

Application Environment

Tailspin Toys stores sensitive customer data.



The company uses several applications. An application named App1 uses Microsoft SQL Server as a back-end database. An application named App2 uses MySQL as a back-end database.

customer audits of documents rarely occur. When an audit occurs, it is scheduled between the customer and the auditing team of Tailspin Toys.

Requirements Planned Charges

Tailspin Toys plans to migrate several workloads to Microsoft Azure. As part of the planned migration, the company requires that the lowest costs for monthly Azure services and for SQL Server license planes be implemented, whenever possible.

Technical Requirements

The customer-sensitive data stored in Azure must be encrypted when at rest.

The on-premises environment of Tailspin Toys has several jobs that support business processes scheduled by using the SQL Server Agent. After the migration to Azure, the business processes must be scheduled to execute righty at midnight Eastern Time (UTC-5). The implementation of the business processes must minimize administrative effort.

Networking Requirements

All Internet traffic initiated from the servers in Azure must be routed through the local network firewalls and content filters.

Applications

App1

App1 is developed and maintained by the developers at Tailspin Toys the company plans to make architectural changes to the application to achieve the best possible performance and state.

The database for App1 is named DB1 and is 100-TB. 99.8 percent of the data in DB1 is large object binary (LOB) data. After the data is uploaded to DB1, the data is accessed frequently for 10 days; then the data is accessed rarely for 20 days; and then the data is never accessed, unless a customer audit occurs.

Users in multiple Tailspin Toys offices worldwide must use app1 to access the relational records stored in DB1.

App1 has a Service Level Agreement (SLA) that requires an uptime of 99.95 percent.

After the planned migration to Azure, the finance department plans to replicate a subset of DB1 to an on-premises database for reporting purposes.

App2

App2 is developed by using third-party open source code that is updated frequently. The database for App2 is named DB2. App2 only supports My SQL. None of the developers at Tailspin Toys are skilled in using MySQL DB2 is supported by a team of external developers.

DB2 is 20 GB and is expected to reach 50 GB during the next five years. DB2 has a storage performance requirement of 200 IOPs.

DB2 must be highly available. App3

As part of the planned migration to Azure, Tailspin Toys is developing a new application named App3 that will provide business-to-business features. Some of the customers that will use App3 will have a single employee, while others will have tens of thousands of employees using the application.

Due to the different size of the workloads, Tailspin Toys is concerned that parameter sniffing will hinder the performance of App3.

The web servers for App3 will be in multiple Azure regions and will use Traffic Manager.

Customers worldwide will use App3. For each customer, the database for App3 must be located near the customer's corporate office. The customer also must be able to choose additional regions in which to store read only copies of their database for an additional cost.

Two hundred customers plan to use App3 as soon as it becomes available. The customers request that their data be made available to them for reporting purposes. Some customers plan to use reporting in Azure, while other customers plan to use their database for an additional cost.

App3 has an SLA that requires 99.95 percent uptime.

The developers of App3 require an empty development database and a test database that contains data to test the application. The databases must be refreshed regularly.

#### NEW QUESTION 30

You need to recommend a solution to meet the network requirement. What should you recommend?

- A. Implement forced tunneling.
- B. Create a network security group (NSG) rule.
- C. Create an Azure virtual network gateway.
- D. Implement split tunneling.

**Answer:** C

**Explanation:** Application Gateway operates as an application delivery controller and offers SSL termination, cookie-based session affinity, round-robin load distribution, content-based routing, ability to host multiple websites and security enhancements.

Scenario: Networking requirements

All Internet traffic initiated from the servers in Azure must be routed through the local network firewalls and content filters.

Reference: <https://docs.microsoft.com/en-us/azure/security/security-network-overview>

#### NEW QUESTION 33

You need to provision the database for DB2 in Azure.

How should you provision the database? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Service:

▼

An Azure virtual machine that has MySQL installed
Azure Cosmos DB
Azure Data Lake
Azure Database for MySQL
Azure Database for PostgreSQL
Azure SQL Database

Tier:

▼

Basic
Premium
Standard

Answer:

**Explanation:** Box 1: Azure Database for MySQL

Azure Database for MySQL provides fully managed, enterprise-ready community MySQL database as a service.

Box 2:

	Basic	General Purpose	Memory Optimized
Storage type	Azure Standard Storage	Azure Premium Storage	Azure Premium Storage
Storage size	5 GB to 1 TB	5 GB to 4 TB	5 GB to 4 TB
Storage increment size	1 GB	1 GB	1 GB
IOPS	Variable	3 IOPS/GB Min 100 IOPS Max 6000 IOPS	3 IOPS/GB Min 100 IOPS Max 6000 IOPS

Incorrect Answers:

Not Azure Database for MySQL

You can create an Azure Database for MySQL server in one of three different pricing tiers: Basic, General Purpose, and Memory Optimized.

Scenario: App2 is developed by using third-party open source code that is updated frequently. The database for App2 is named DB2. App2 only supports MySQL.

None of the developers at Tailspin Toys are skilled in using MySQL. DB2 is supported by a team of external developers.

DB2 is 20 GB and is expected to reach 50 GB during the next five years. DB2 has a storage performance requirement of 200 IOPS.

DB2 must be highly available. Reference:

<https://docs.microsoft.com/en-us/azure/mysql/concepts-pricing-tiers> <https://azure.microsoft.com/en-us/services/mysql/>

### NEW QUESTION 35

What should you use to schedule the nightly jobs to meet the technical requirements?

- A. Migrate the SQL Server Agent jobs.
- B. Create an Azure Scheduler task.
- C. Create an Azure runbook.
- D. Implement an Elastic Database jobs.

Answer: C

**Explanation:** Azure Automation can play the role of SQL Server Agent for Azure SQL DB.

Built into the Azure platform is Azure Automation and to get started, you have to create an automation account. You'll need to provide a name for the account, select your subscription, resource group, location, and determine if you want to create an Azure Run As account. Once you create your account, you can then start creating runbooks. You can do just about anything with the runbooks. There are numerous existing run books that you can browse through and modify for your own use, including provisioning, monitoring, life cycle management, and more.

Scenario: After the migration to Azure, the business process must be scheduled to execute nightly at midnight Eastern Time (UTC-5). The implementation of the business processes must minimize administrative effort.

Reference: <https://sqlperformance.com/2017/06/azure/automation-methods>

### NEW QUESTION 39

You need to identify the appropriate data architecture for App1. The solution must support the planned changes.

Which storage platforms should you identify for App1? To answer, drag the appropriate storage platforms to the correct data types. Each storage platform 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

NOTE: Each correct selection is worth one point

**Answer:**

**Explanation:**

### NEW QUESTION 42

You need to prepare the Azure environment for the planned migration of DB1. The solution must meet the requirements of the finance department.

Which two tasks should you perform in Azure? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Configure a Filtered replication publication
- B. Create an Azure virtual machine that runs SQL Server
- C. Configure multiple active replicas.
- D. Create an Azure SQL database.

**Answer:** AD

**Explanation:** References:  
<https://docs.microsoft.com/en-us/sql/relational-databases/replication/publish/filter-published-data?view=sql-serv>



#### NEW QUESTION 44

You need to implement a solution to meet the technical requirements for the encryption of the data in Appl. Which two features should you enable? Each correct answer presents pan of the solution. NOTE: Each correct selection is worth one point

- A. Storage Account Encryption
- B. Azure Key Vault
- C. Dynamic Data Masking
- D. Transparent Data Encryption (TDE)

**Answer:** BD

**Explanation:** An application named App1 uses Microsoft SQL Server as a back-end database. The customer-sensitive data stored in Azure must be encrypted when at rest. References:

<https://docs.microsoft.com/en-us/sql/relational-databases/security/encryption/extensible-key-management-using-> <https://docs.microsoft.com/en-us/sql/relational-databases/security/encryption/transparent-data-encryption?view=>

Topic 6, Mixed Questions

#### NEW QUESTION 46

You have a Microsoft Azure SQL database that is used for reporting.

You discover that some reports complete more quickly than other reports, even though the reports retrieve approximately the same amount of data and use queries that have the same table structure.

You need to reduce the amount of time it takes to complete the reports.

What should you use?

- A. Index Tuning Wizard
- B. Database Engine Tuning Advisor
- C. Azure Throughput Analyzer
- D. Azure SQL Database Index Advisor

**Answer:** D

#### NEW QUESTION 49

You implement Microsoft Azure ExpressRoute.

You need to ensure that if the ExpressRoute connection is unavailable, you can manage the resources in Azure over a secure connection.

Which two actions should perform? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. Create an Azure virtual network.
- B. Enable a point-to-site VPN on the gateway.
- C. Install the Azure VPN client.
- D. Create a certificate.
- E. Create a private IP address.

**Answer:** DE

#### NEW QUESTION 53

You have a Microsoft SQL Server instance on a Microsoft Azure virtual machine.

The members of an Active Directory group named HelpDesk can log in to the SQL Server instance. You need to ensure that the members of HelpDesk can query dynamic management views and gather performance metrics from the SQL Server instance.

Which three actions should you perform? Each correct answer presents part of the solution.

- A. Add HelpDesk to the db\_owner role for all of the databases.
- B. Add HelpDesk to the new role.
- C. Grant VIEW ANY DATABASE to the new role.
- D. Grant VIEW SERVER STATE to the new role.
- E. Create a database role.
- F. Create a server role.

**Answer:** BDF

**Explanation:** References:

<https://msdn.microsoft.com/en-us/library/ms188754.aspx>

#### NEW QUESTION 58

Your environment contains several Microsoft Azure SQL databases.

You need to execute Transact-SQL-based maintenance steps automatically against the databases. The execution must occur weekly.

What should you use?

- A. a SQL Server Agent job
- B. an Azure Scheduler job
- C. an Azure Data Factory pipeline
- D. an Elastic Database job

**Answer:** B

#### NEW QUESTION 62

You have four Microsoft Azure SQL databases located on the same database server. You need to configure the databases to be in an elastic database pool. Which four 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.

NOTE: More than one order of answer choices is correct. You will receive credit for any of the correct orders you select.

### Actions

Select the databases to add to the elastic database pool.

Redeploy the databases by using Microsoft SQL Server Data Tools.

Configure the performance characteristics of the elastic database pool.

Select the service tier.

Create an elastic database pool on the server.

Install the elastic database tools.

Modify the firewall rules of the database server.

### Answer Area

>  
<

^  
v

**Answer:**

**Explanation:** References:  
<https://azure.microsoft.com/en-gb/documentation/articles/sql-database-elastic-pool-create-portal/>

#### NEW QUESTION 65

You have a server named SQL1 that has Microsoft SQL Server 2016 installed. SQL1 contains a database named DB1. You need to ensure that a user named User1 can query dynamic management views to monitor DB1. The solution must minimize the number of permissions assigned to User1. You create a login for User1. Which permission should you grant to User1?

- A. ALTER TRACE
- B. VIEW SERVER STATE
- C. VIEW DATABASE STATE
- D. VIEW ANY DATABASE

**Answer:** B

#### NEW QUESTION 69

You have Microsoft SQL Server installed on a Microsoft Azure virtual machine named VM1. VM1 is provisioned by using the classic deployment model and is on the Standard GS5 service tier. The virtual machine is used for testing purposes only. You need to minimize the costs associated with VM1 when the virtual machine is unused. Which command should you use?

- A. Update-AzureVM
- B. Stop-AzureVM
- C. Suspend-VM
- D. Stop-VM

**Answer:** B

**Explanation:** References:  
<https://msdn.microsoft.com/en-us/library/azure/dn495269.aspx>

#### NEW QUESTION 74

You plan to implement a Microsoft Azure SQL database. You need to create and manage the new database on a new server. Which three cmdlets should you use? Each correct answer presents part of the solution.

- A. New-AzureSqlDatabaseServer
- B. New AzureSqlDatabaseServerFirewallRule
- C. New-AzureSqlDatabaseServerContext
- D. New-AzureVM

E. New-AzureSqlDatabase

**Answer:** ACE

**Explanation:** References:  
<https://msdn.microsoft.com/en-us/library/dn546722.aspx>

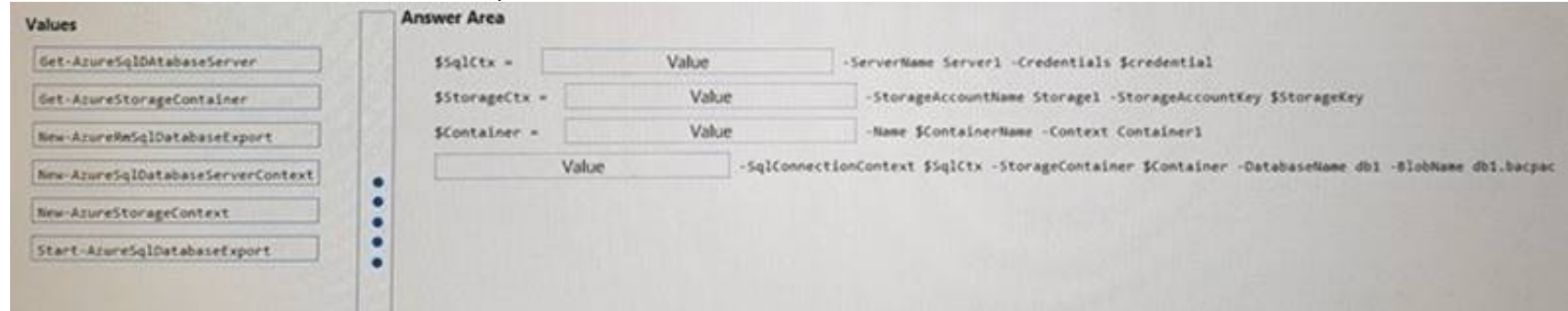
#### NEW QUESTION 77

You need to export a Microsoft Azure SQL database named DB1 from a server named Server1. The credentials to connect to Server1 are stored in a variable named Credential.

The backup of the database must be stored in a storage account named Storage1 in a container named container1.

Which commands should you run in an Azure PowerShell script? To answer, drag the appropriate values to the correct targets. Each value 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.

NOTE: Each correct selection is worth are point.



**Answer:**

**Explanation:**



#### NEW QUESTION 81

Your company has two offices. The offices are located in London and New York.

The London office has a public IP of 131.107.1.1 and a private IP subnet of 192.168.4.0/24. The New York office has a public IP of 131.107.15.1 and a private IP subnet of 192.168.8.0/24.

You have a Microsoft SQL Server database that is hosted on a Microsoft Azure virtual machine. Currently, only the users in the London office use the database.

You need to create a new firewall rule to provide the users in the New York office with access to the database. The solution must protect the database from being accessed by users on the public Internet.

What should you do?

- A. Modify the endpoint from the Azure portal.
- B. Use the sp\_set\_database\_firewall\_rule stored procedure.
- C. Disable the Windows Firewall on the Azure virtual machine.
- D. Run the New-AzureSqlDatabaseServerFirewallRule Azure PowerShell cmdlet.
- E. Use the Set Firewall Rule REST API.

**Answer:** A

**Explanation:** This Microsoft SQL Server database is hosted on a Microsoft Azure virtual machine. Therefore, remote access will be provided via the endpoint rather than a database level firewall rule.

#### NEW QUESTION 83

Your company has a data warehouse that contains a database named DB1. You plan to implement data encryption for DB1.

You need to configure DB1 to meet the following requirements:

- Prevent the system administrators of App1 from reading the Personally Identifiable Information (PII) stored in DB1.
- Ensure that all backups are Stored in an on-premises local drive for three days.
- Ensure that all backups are stored in a remote location for 10 days.
- Encrypt all backups.

All solution must support the ODBC Driver for Microsoft SQL Server 2012.

Which two solutions should you implement for DB1? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. Encrypt within the application tier.
- B. Back up DB1 by using VSS snapshots.
- C. Implement the Always Encrypted feature.
- D. Back up DB1 to a disk and a URL by using Mirror TO.
- E. Encrypt within DB1 by using EncryptByPassword.

**Answer:** BC



#### NEW QUESTION 85

You plan to migrate an on-premises database to Microsoft Azure. The planned deployment will include an Always On Failover Cluster Instance of Microsoft SQL Server.

You need to implement a storage solution for the planned deployment. Which storage solution should you implement?

- A. Azure Table Storage
- B. Storage Spaces Direct
- C. Azure Blob storage
- D. SAN virtualization

**Answer:** B

**Explanation:** References:

<https://docs.microsoft.com/en-us/sql/sql-server/failover-clusters/windows/always-on-failover-cluster-instances-s>

#### NEW QUESTION 86

You deploy a Microsoft SQL Server instance on a Microsoft Azure virtual machine by using a template. You plan to deploy a PHP-based app in an Azure web app. The web app will use a database on the virtual machine. The web app and the virtual machine will be on the same Azure virtual network.

You need to ensure that the web app can access the SQL Server database.

Which three actions should you perform? Each correct answer presents part of the solution.

- A. Change the SQL Server authentication to mixed mode.
- B. Use sp\_configure to enable remote access.
- C. From the Azure portal, add an endpoint for TCP port 1434.
- D. On the virtual machine, enable the inbound connections on TCP port 1433 from Windows Firewall.
- E. Restart the SQL Server service.

**Answer:** BDE

#### NEW QUESTION 87

A customer plans to monitor the performance of a Microsoft Azure SQL database.

You need to explain to the customer which metrics are used to calculate the Database Throughput Unit (DTU) percentage. Which three metrics should you identify? Each correct answer presents part of the solution.

- A. Log IO percentage
- B. Data IO percentage
- C. CPU percentage
- D. Blocked by firewall
- E. Database size percentage
- F. Total database size

**Answer:** ABC

**Explanation:** References:

<http://dtucalculator.azurewebsites.net/>

#### NEW QUESTION 88

You have an organizational data mart that contains 3.5 TB of uncompressed data.

The size of the data is expected to grow 2 annually. Reporting is performed only during business hours. You plan to move the data to the cloud.

You need to design a cloud architecture for the data mart. The solution must minimize costs and administrative overhead.

What is the best design to achieve the goal? More than one answer choice may achieve the goal. Select the BEST answer.

- A. a Microsoft Azure SQL data warehouse
- B. a Microsoft SQL Server virtual machine
- C. a Microsoft Azure HDInsight cluster
- D. a Microsoft Azure SQL database

**Answer:** A

**Explanation:** References:

<https://azure.microsoft.com/en-gb/documentation/articles/sql-data-warehouse-overview-what-is/>

#### NEW QUESTION 91

You plan to move a database to Microsoft Azure.

Users of the database will be located in the United States, Europe, and Asia. All modifications to the database will originate from the United States.

You need to recommend a database solution that will minimize latency for all of the users. The solution must minimize costs.

What should you recommend? To answer, drag the appropriate solutions to the correct locations. Each solution 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.

NOTE: Each correct selection is worth one point.

Solutions	Answer Area
Azure SQL database primary	Asia: Solution
Azure SQL database secondary	Europe: Solution
Azure virtual machine with AlwaysOn Availability groups	United States: Solution
Azure virtual machine with peer to peer replication	

**Answer:**

**Explanation:**

Solutions	Answer Area
Azure SQL database primary	Asia: Azure SQL database primary
Azure SQL database secondary	Europe: Azure SQL database secondary
Azure virtual machine with AlwaysOn Availability groups	United States: Azure SQL database secondary
Azure virtual machine with peer to peer replication	

#### NEW QUESTION 94

You have Microsoft SQL Server installed on a Microsoft Azure virtual machine. The virtual machine is on the Standard D3 service tier. All of the data files for the databases on the virtual machine are located on a single volume that is mounted as drive E. The virtual machine experiences performance issues. You view the wait statistics and discover a high number of GEIOLATCH\_SH waits associated to the tempdb data files. You need to resolve the performance issues. What should you do?

- A. Move the tempdb data files to drive D.
- B. Move the tempdb data files to drive C.
- C. Change the service tier of the virtual machine to Standard D12.
- D. Change the service tier of the virtual machine to Standard DS3.

**Answer:** A

#### NEW QUESTION 97

You have a Microsoft Azure Infrastructure as a Service (IaaS) environment that contains a 3-TB data warehouse. You need to recommend a solution to improve the read performance of the database. The solution must maintain data integrity. Which task should you include in the recommendation?

- A. Enable read caching.
- B. Move the transaction logs to the temporary drive.
- C. Enable read/write caching.
- D. Set the interleave size to 64 KB.

**Answer:** A

#### NEW QUESTION 102

You are implementing a new Microsoft SQL Server environment on a Microsoft Azure virtual machine. The environment has the following requirements: Database backups must be encrypted. Database backups must be retained for 10 years. Database backups must be restored daily to a development environment. You need to recommend solutions to meet the requirements. The solutions must minimize cost. Which solution should you recommend for each requirement? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Database backups must be encrypted:

Database backups must be retained for 10 years:

Database backups must be restored daily to a development environment:

Answer:

Explanation:

Database backups must be encrypted:

Database backups must be retained for 10 years:

Database backups must be restored daily to a development environment:

### NEW QUESTION 103

You have 10 Microsoft Azure SQL databases. One of the databases is named DB1. You need to ensure that only a specific IP address can be used to access DB1. The solution must affect only DB1. What should you use?

- A. the `sp_set_database_firewall_rule` statement
- B. the `New-AzureSqlDatabaseServerFirewallRule` cmdlet
- C. the Azure portal to add an endpoint
- D. the `Set-AzureSqlDatabaseServerFirewallRule` cmdlet

Answer: B

### NEW QUESTION 105

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution. After you answer a question in this section, you will NOT be able to return to it. As a result these questions will not appear in the review screen. You have a Microsoft Azure Database for MySQL Server named SQLDB1. Four database administrators manage SQLDB1. You need to prevent any administrator from deleting the server that hosts SQLDB1. Solution: You remove the Delete permission for SQLDB1 from the Azure portal. Does this meet the goal?

- A. Yes
- B. No

Answer: A



#### NEW QUESTION 107

You have a Microsoft SQL Server instance that is hosted on a Microsoft Azure virtual machine.

You need to identify the most recent wait type for all of the currently running queries in the instance. What should you use?

- A. the sp\_who2 stored procedure
- B. the sys.syscacheobjects view
- C. the sys.dm\_exec\_requests view
- D. the sys.dm\_exec\_connections view

**Answer:** C

**Explanation:** References:

<https://docs.microsoft.com/en-us/sql/relational-databases/system-dynamic-management-views/sys-dm-exec-requ>

#### NEW QUESTION 112

You have a Microsoft Azure SQL database named DB1 on a logical server named Server148923034.database.windows.net. You need to restore DB1 to another database named DB2 on the same server.

Which Azure PowerShell command should you run first? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

**Answer:**

**Explanation:**

#### NEW QUESTION 116

Your environment contains a Microsoft Azure virtual machine and an Azure SQL database. The virtual machine has Microsoft SQL Server installed and contains several applications. You need to recommend a solution to migrate one of the applications to the Azure SQL database. The solution must minimize downtime.

Which solution should you recommend?

- A. Implement log shipping.
- B. Implement transactional replication.
- C. Restore a BACPAC of the database.
- D. Restore a backup of the database.

**Answer:** B

#### NEW QUESTION 117

You have a Microsoft SQL Server instance that hosts a database named DB1.

You plan to back up DB1 to Microsoft Azure Blob storage. You need to configure the required access to Azure blob storage for the planned backup.

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. From the Azure portal, retrieve the access keys.
- B. From the Azure portal, create a Shared Access Signature (SAS) token.
- C. From SQL Server Management Studio, create a database user.
- D. From SQL Server Management Studio, create a credential.

E. From SQL Server Management Studio, create a certificate.

**Answer:** AD

#### NEW QUESTION 122

You have a Microsoft Azure virtual machine named SQL1 that has Microsoft SQL Server 2016 installed. SQL1 has a critical database that contains online transaction data. The database is 700 GB.

You regularly perform full database backups.

On a separate Azure virtual machine, you run a test restore procedure of the database and discover that restoring the database takes longer than expected.

You need to reduce the amount of time required to restore the database. What should you do?

- A. Modify the backup solution to use differential database backups.
- B. Partition the tables in the database, and then modify the backup solution to use incremental backups.
- C. Create multiple filegroups in the database, and then modify the backup solution to use filegroup backups.
- D. Modify the backup solution to use transaction log backups.

**Answer:** C

#### NEW QUESTION 127

You need to configure a runbook to execute when a Microsoft Azure SQL database uses more than 80 percent of the Database Throughput Unit (DTU) resources. What should you configure in the runbook?

- A. a trigger
- B. a connection
- C. a webhook
- D. a job

**Answer:** C

#### NEW QUESTION 130

DRAG DROP

Your company's data center contains a server named SQL1 that has Microsoft SQL Server 2017 installed. All the database files on SQL1 are stored in the default location.

You plan to migrate SQL1 to a Microsoft Azure virtual machine.

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

Actions	Answer Area
From PowerShell, run the <i>New-AzureRmDiskConfig</i> cmdlet.	
From the Azure portal, create a new virtual machine by using Disk1.vhd.	
From the Azure portal, create a new virtual machine by using a template from the Azure Marketplace.	
From PowerShell, run the <i>Add-AzureVHD</i> cmdlet.	
Convert SQL1 to a Hyper-V VHD named Disk1.vhd.	

**Answer:**

**Explanation:** Box 1. Create a VHD from the SQL Server's C: Drive. The databases will be included on the C: drive by default. Box 2. Use the Add-AzureVHD cmdlet to upload the VHD to Azure. Box 3. Create a virtual machine using the uploaded VHD.

#### NEW QUESTION 134

Your company's data warehouse contains several Microsoft SQL Server instances.

You need to prevent unauthorized users from restoring backups of SQL Server database. What should you implement?

- A. BitLocker Drive Encryption (BitLocker)
- B. Cell-level encryption
- C. Transparent Data Encryption (TDE)
- D. Dynamic Data Masking

**Answer:** C

#### NEW QUESTION 138

Your company has an application that uses several Microsoft Azure SQL databases. New databases are added regularly as customers sign up for new services. Databases are removed regularly as customers cancel the services. You create an auditing policy. You plan to configure auditing for all of the databases. You need to ensure that all of the databases are audited constantly. Which cmdlet should you use?

- A. Set-AzureRmSqlDatabaseAuditingPolicy
- B. Use-AzureRmSqlServerAuditingPolicy
- C. Set-AzureRmSqlServerAuditingPolicy
- D. New-AzureRmOperationalInsightsAzureAuditDataSource

**Answer:** C

#### NEW QUESTION 143

Your Microsoft Azure environment contains an elastic pool that has 2,000 eDTUs. The current available storage for the pool is 500 GB. At 10:00 each morning, the databases in the pool are slow to respond to queries. You need to improve the response time of the databases. What should you do?

- A. From the properties of the pool, increase the value of the eDTUs for the pool.
- B. From the properties of each database in the pool, increase the value of the maximum eDTUs.
- C. From the properties of the pool, increase the size of the storage.
- D. From the properties of each database in the pool, increase the value of the minimum eDTUs.

**Answer:** A

#### NEW QUESTION 147

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have a Microsoft Azure tenant.

You need to provision a new Azure Database for MySQL server database in the tenant. Solution: You run the CREATE DB command from the mysql command prompt. Does this meet the goal?

- A. Yes
- B. No

**Answer:** A

**Explanation:** References:

<https://docs.microsoft.com/en-us/azure/mysql/quickstart-create-mysql-server-database-using-azure-portal>

#### NEW QUESTION 152

You have Microsoft Azure SQL database named DB1. You plan to monitor the resource utilization of DB1. You need to review the following resource utilization:

- \* Average compute
- \* Average I/O

Which data management view should you use?

- A. sys.dm\_db\_resource\_stats
- B. sys.elastic\_pool\_resource\_stats
- C. sys.dm\_exec\_query\_stats
- D. sys.resource\_stats

**Answer:** A

#### NEW QUESTION 157

You have Microsoft SQL Server 2014 installed on a Microsoft Azure virtual machine.

One of the databases on the virtual machine supports a highly active Online Transaction Processing (OLTP) application.

Users report abnormally long wait times when they submit data in the application.

Which two tools can you use to identify the longest running queries? Each correct answer presents a complete solution.

- A. the Job Activity Monitor
- B. Database Engine Tuning Advisor
- C. dynamic management views
- D. SQL Server Extended Events
- E. SQL metrics in Azure Diagnostics for the virtual machine

**Answer:** CD

#### NEW QUESTION 158

You are provisioning a virtual machine in Microsoft Azure to host a Microsoft SQL Server database named DB1.

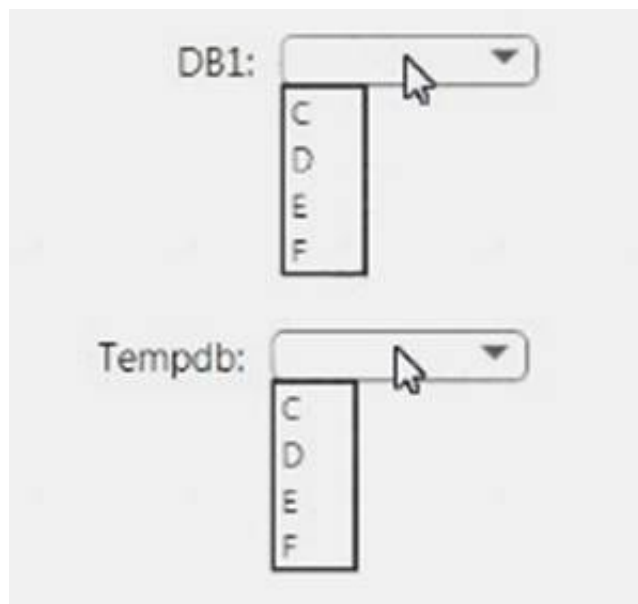
The tempdb database on the SQL server is not expected to grow to more than 20 GB during the next five years.

You add a 1-TB disk to the virtual machine and configure the disk as drive F. The disk is not configured for read or write caching.

You need to reduce the amount of time required to read data from DB1 and tempdb.

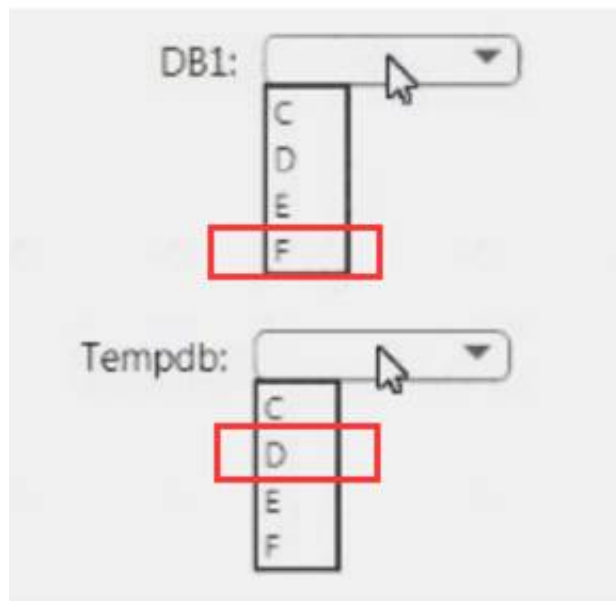
On which drive should you place each database? To answer, select the appropriate options in the answer area.





**Answer:**

**Explanation:**



#### NEW QUESTION 161

You are designing a cloud architecture for an organizational data mart that has an uncompressed data size of 1.1TB. The data size is static. Users from Europe, Asia, and North America will access the data for reporting purposes.

You need to recommend a solution to provide local read access to the data for each region. The solution must minimize the amount of administrative overhead. What is the best recommendation to achieve the goal? More than one answer choice may achieve the goal. Select the BEST answer.

- A. Deploy the Microsoft SQL Server AlwaysOn template from Azure Marketplace.
- B. Provision a Microsoft Azure SQL data warehouse.
- C. Provision Microsoft SQL Server Enterprise on a Microsoft Azure virtual machine.
- D. Provision a Microsoft Azure SQL database.

**Answer: D**

**Explanation:** References:

<https://docs.microsoft.com/en-us/azure/sql-database/sql-database-designing-cloud-solutions-for-disaster-recover>

#### NEW QUESTION 163

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result these questions will not appear in the review screen.

You have a Microsoft Azure Database for MySQL Server named SQLDB1. Four database administrators manage SQLDB1.

You need to prevent any administrator from deleting the server that hosts SQLDB1.

Solution: You create a delete lock on the database resource in Azure. Does this meet the goal?

- A. Yes
- B. No

**Answer: B**

#### NEW QUESTION 164

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result these questions will not appear in the review screen.

You plan to configure auditing for a Microsoft SQL Server instance that contains 17 databases.

You need to audit all of the SELECT statements that are executed against all of the databases. The solution must ensure that all gathered information is written to the application log.

Solution: You create a Server Audit Specification in the master database. Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

#### NEW QUESTION 166

You have an on-premises database hosted on a Microsoft SQL Server instance. You plan to back up the database to Microsoft Azure.

You create a storage account in Azure for the backups.

You need to back up the database to Azure. The solution must ensure that the backups are encrypted before they are sent to Azure.

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.

**Actions**

Create a certificate, and then back up the certificate to a secure location.

Back up the database to a local that has backup encryption enabled.

Back up the database to a URL that has backup encryption enabled.

Create a Column Master Key for the database, and then back up the Column Master Key to a secure location.

Create a master key for the instance, and then back up the master key to a secure location.

**Answer Area**

**Answer:**

**Explanation:**

**Answer Area**

Create a master key for the instance, and then back up the master key to a secure location.

Create a certificate, and then back up the certificate to a secure location.

Back up the database to a URL that has backup encryption enabled.

#### NEW QUESTION 170

You have a hybrid Microsoft SQL Server environment that has multiple servers and services that run in both Microsoft Azure and on-premises.

If the network fails, you need to ensure that users can authenticate and connect to the resources available in Azure.

Which two server roles should you deploy to Azure? Each correct answer presents part of the solution.

- A. Active Directory Federation Services
- B. Active Directory Certificate Services
- C. DHCP Server
- D. Active Directory Domain Services
- E. DNS Server

**Answer:** AD

#### NEW QUESTION 172

Your company's data center contains three Microsoft SQL Server databases named DB1, DB2, and DB3. You plan to migrate the databases to Microsoft Azure.

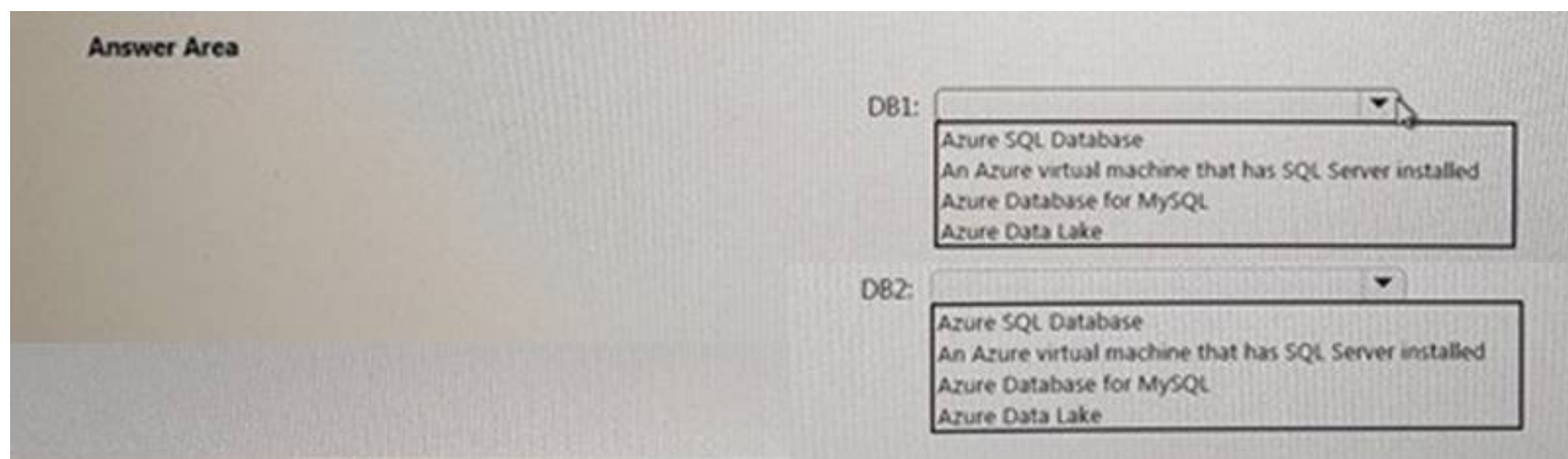
You need to provision the recourses in Azure to meet the following requirements.

\* DB1 must be able to execute CLR assemblies.

\* DB2 must be able to run SQL Server Agent jobs.

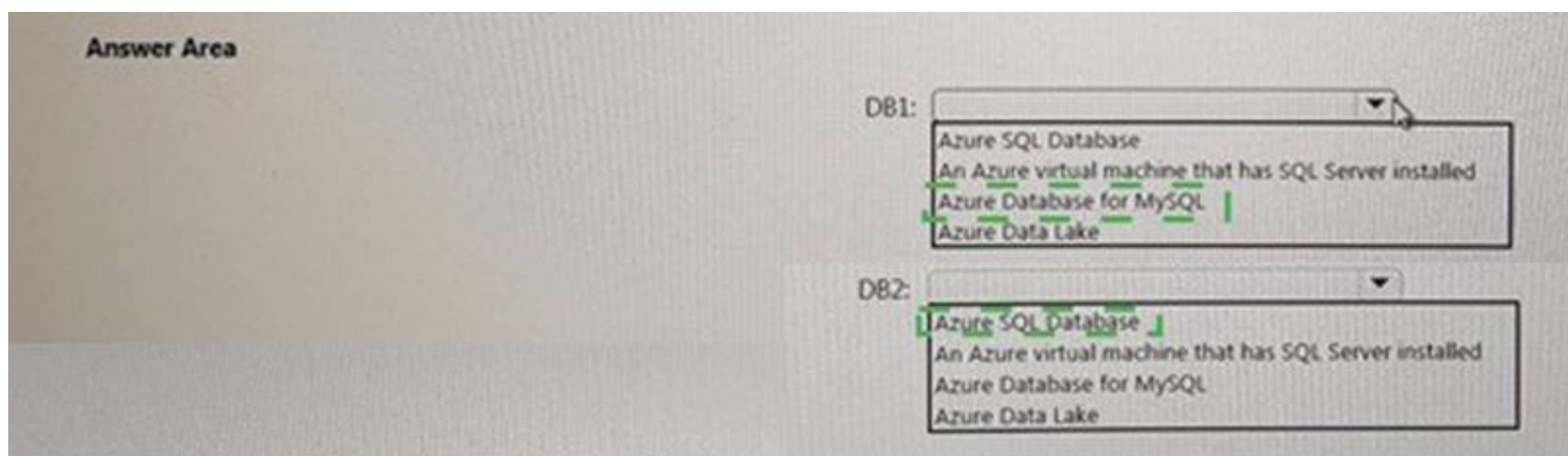
Which database solution should you use for each database? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.



**Answer:**

**Explanation:**



#### NEW QUESTION 174

You have a Microsoft Azure SQL database. The database is hosted in the West US region and uses the Premium service tier. Users of the database are located in Los Angeles, New York, and Singapore.

The users in Singapore report that when they run reports against the database, the reports take a long time to complete. The reports contain thousands of rows. You need to recommend a solution to resolve the performance issue. The solution must maintain the performance for the other users. What should you include in the recommendation?

- A. Move the Azure SQL database from the West US region to the East Asia region.
- B. Implement Azure ExpressRoute for the subscription.
- C. Configure a readable geo-replica in the East Asia region.
- D. Configure pagination for the report.

**Answer: C**

#### NEW QUESTION 178

You have an application named Appl that connects to a Microsoft Azure SQL database named AppDBI. Appl uses columnstore indexes as part of the database schema.

You plan to deploy another Azure SQL database named AppDBDev that will be used as the development environment for Appl.

You create a copy of AppDBI for AppDBDev.

You need to identify which service tier must be used to store AppDBDev. The solution must minimize the cost to store AppDBDev.

Which service tier should you identify?

- A. Basic
- B. Standard
- C. Premium
- D. Premium RS

**Answer: B**

#### NEW QUESTION 181

NO: 157 DRAG DROP

You are monitoring a Microsoft Azure SQL database. You need to view which queries users are running against the database currently.

Which statement should you use? 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.

NOTE: Each correct selection is worth one point.



## Code Elements

## Answer Area

sys.dm\_exec\_connections

sys.dm\_exec\_cursors

sys.dm\_exec\_distributed\_sql\_requests

sys.dm\_exec\_query\_plan

sys.dm\_exec\_requests

sys.dm\_exec\_sql\_text

SELECT session\_id, USER\_NAME(user\_id), text  
FROM

CROSS APPLY (sql\_handle)

Answer:

Explanation:

## Answer Area

SELECT session\_id, USER\_NAME(user\_id), text  
FROM sys.dm\_exec\_requests

CROSS APPLY sys.dm\_exec\_sql\_text (sql\_handle)

### NEW QUESTION 186

You have an application named App1 that uses a Microsoft Azure SQL database.

Some users report that they receive messages similar to the following error message. "Transaction (Process ID 65) was dedicated on locked resources with another process and has been chosen as the deadlock victim. Rerun the transaction."

You need to identify the cause of the error. Which view should you query?

- A. sys.dm\_os\_wait\_stats
- B. sys.event\_log
- C. sys.resource\_stats
- D. sys.dm\_tran\_locks

Answer: A

### NEW QUESTION 191

You have a Microsoft Azure SQL database. You need to audit the data access of the database owners who use Microsoft SQL Server Management Studio. What should you enable?

- A. transparent data encryption (TDE)
- B. database auditing
- C. server auditing
- D. row-level security

Answer: B

### NEW QUESTION 195

You have several instances of Microsoft SQL Server on several Microsoft Azure virtual machines. You need to implement an automated process to back up all of the virtual machines to an Azure storage account. The process must run weekly.

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.

Actions	Answer Area
Create an event hub.	
Create a runbook.	
Create an automation account.	
Create a resource group.	<div> <div></div> <div></div> </div>
Schedule a runbook.	<div> <div></div> <div></div> </div>

**Answer:**

**Explanation:** References:  
<https://blogs.technet.microsoft.com/cbernier/2014/04/28/back-up-an-azure-vm-using-microsoft-azure-automatio>

#### NEW QUESTION 197

Your organization contains several Microsoft Azure SQL databases.  
 You need to ensure that an administrator is notified when SQL injection is detected on one of the databases. Which two features should you enable? Each correct answer presents part of the solution.  
 NOTE: Each correct selection is worth one point.

- A. Threat detection
- B. Query Performance Insight
- C. Management Data Warehouse
- D. Auditing
- E. Azure Resource Health

**Answer:** AD

**Explanation:** References:  
<https://docs.microsoft.com/en-us/azure/sql-database/sql-database-threat-detection>

#### NEW QUESTION 202

Your company identifies a stored procedure that runs slowly.  
 You review the execution plan for the stored procedure, and you discover the properties of a Clustered Index Scan operator as shown in the exhibit. (Click the Exhibit button.)

## Clustered Index Scan (Clustered)

Scanning a clustered index, entirely or only a range.

Physical Operation	Clustered Index Scan
Logical Operation	Clustered Index Scan
Actual Execution Mode	Row
Estimated Execution Mode	Row
Storage	RowStore
Actual Number of Rows	0
Actual Number of Batches	0
Estimated I/O Cost	0.003125
Estimated Operator Cost	0.0032831(100%)
Estimated Subtree Cost	0.0032831
Estimated CPU Cost	0.0001581
Estimated Number of Executions	1
Number of Executions	1
Estimated Number of Rows	1
Estimated Row Size	295 B
Actual Rebinds	0
Actual Rewinds	0
Ordered	False
Node ID	0
Predicate	
CONVERT_IMPLICIT(nvarchar(512),[SampleDatabase],[dbo],[Files],[FileName],0)=[@FileName]	

The stored procedure contains the following code.

```
CREATE PROCEDURE GetFile
    @FileName nvarchar(512)
AS
SELECT *
FROM Files
WHERE FileName = @FileName
```

You need to improve the performance of the stored procedure. What should you do?

- A. Add a FORCESEEK query hint to the SELECT statement.
- B. Add a NOLOCK query hint to the SELECT statement.
- C. Convert the table to an In-Memory OLTP optimized table.
- D. Change the FileName column from varchar(512) to nvarchar(512).

**Answer: D**

### NEW QUESTION 204

Your company registers the domain name of contoso.com.

You plan to deploy two web servers, two application servers, and two Microsoft SQL server instances on Microsoft Azure virtual machines. All of the virtual machines will be located on the same Azure virtual network. The SQL Server instances will be in an AlwaysOn availability group.

You need to ensure that the web servers and the application servers can access the availability group listener by using a fully qualified domain name (FQDN) from the contoso.com domain.

Which three actions should you perform? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. Register a public DNS service on the Azure virtual network.
- B. Add a subnet to the Azure virtual network.
- C. Deploy a domain controller and join the virtual machines to the domain.
- D. Register a DNS server on the Azure virtual network.
- E. Use the Azure provided name resolution service.
- F. Deploy a DNS server.

**Answer: ACF**



#### NEW QUESTION 206

You have a Microsoft Azure SQL database.

You discover that the workload grows over time.

You are evaluating whether to switch to a higher service tier for the database. You need to examine the system utilization trends over time.

Which dynamic management view should you query?

- A. sys.dm\_exec\_query\_stats
- B. sys.events
- C. sys.resource\_stats
- D. sys.dm\_db\_missing\_index\_details

**Answer:** C

#### NEW QUESTION 211

DRAG DROP

Your company has a Microsoft Azure subscription that contains 20 Azure SQL databases on a single Microsoft SQL Server.

You need to ensure that you can aggregate results from the databases in a single query.

Which five components should you create in sequence? To answer, move all actions from the list of actions to the answer area and arrange them in the correct order.

Components	Answer Area
a shard map manager	
a central database	
external data sources	
external tables	
a master key and credentials	

**Answer:**

**Explanation:** References:

<https://docs.microsoft.com/en-us/azure/sql-database/sql-database-elastic-query-horizontal-partitioning>

#### NEW QUESTION 212

You have several SQL Server instances on Microsoft Azure virtual machines.

Periodically, one of the virtual machines runs more slowly than expected. The issue typically persists for up to 30 minutes. You investigate the issue and discover that when the issue occurs, there is high CPU usage on the virtual machines.

You need to be notified automatically when the performance issue occurs. You want to achieve this goal by using the minimum amount of administrative effort.

What should you configure?

- A. extended events to monitor the Processor:%Privileged Time of the virtual machine and SQL Server Agent alerts to notify the operator by sending an email message
- B. Azure Diagnostics for the logs on the virtual machine and a rule in Management Services to send you an email message when the CPU usage is more than 80 percent
- C. extended events to monitor the Processor:%User Time of the virtual machine and SQL Server Agent alerts to notify the operator by sending an email message
- D. an alert rule in the Azure portal to send you an email message when the CPU usage is more than 80 percent for five consecutive minutes

**Answer:** D

**Explanation:** References:

<http://msdn.microsoft.com/en-us/library/azure/dn306639.aspx>

#### NEW QUESTION 215

Your company has a Microsoft Azure subscription that contains an AlwaysOn availability group named AG01. AG01 contains two nodes named DB01 and DB02 and a database named DATABASE1.

You plan to add additional nodes to AG01.

You need to minimize the administrative effort required to add the node. The solution must ensure that AG01 is configured to prevent data loss and can fail over

without manual intervention.

Which statement should you run? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

**Answer Area**

```

CREATE AVAILABILITY GROUP AG01
FOR DATABASE db1
REPLICA ON'DB01'
WITH (ENDPOINT_URL = N'TCP://db01.contoso.com:5022',
FAILOVER_MODE =

```

Automatic  
High Performance  
High Safety  
Manual

AVAILABILITY\_MODE =

Asynchronous Commit  
Automatic Failover  
Forced Failover  
Synchronous Commit

BACKUP\_PRIORITY = 50,  
SECONDARY\_ROLE(ALLOW\_CONNECTIONS = NO),

Backup  
Cluster\_Type  
Listener  
Secondary\_Role  
SEEDING\_MODE

= AUTOMATIC)

Answer:

Explanation:

**Answer Area**

```

CREATE AVAILABILITY GROUP AG01
FOR DATABASE db1
REPLICA ON'DB01'
WITH (ENDPOINT_URL = N'TCP://db01.contoso.com:5022',
FAILOVER_MODE =

```

Automatic  
High Performance  
High Safety  
Manual

AVAILABILITY\_MODE =

Asynchronous Commit  
Automatic Failover  
Forced Failover  
Synchronous Commit

BACKUP\_PRIORITY = 50,  
SECONDARY\_ROLE(ALLOW\_CONNECTIONS = NO),

Backup  
Cluster\_Type  
Listener  
Secondary\_Role  
SEEDING\_MODE

= AUTOMATIC)

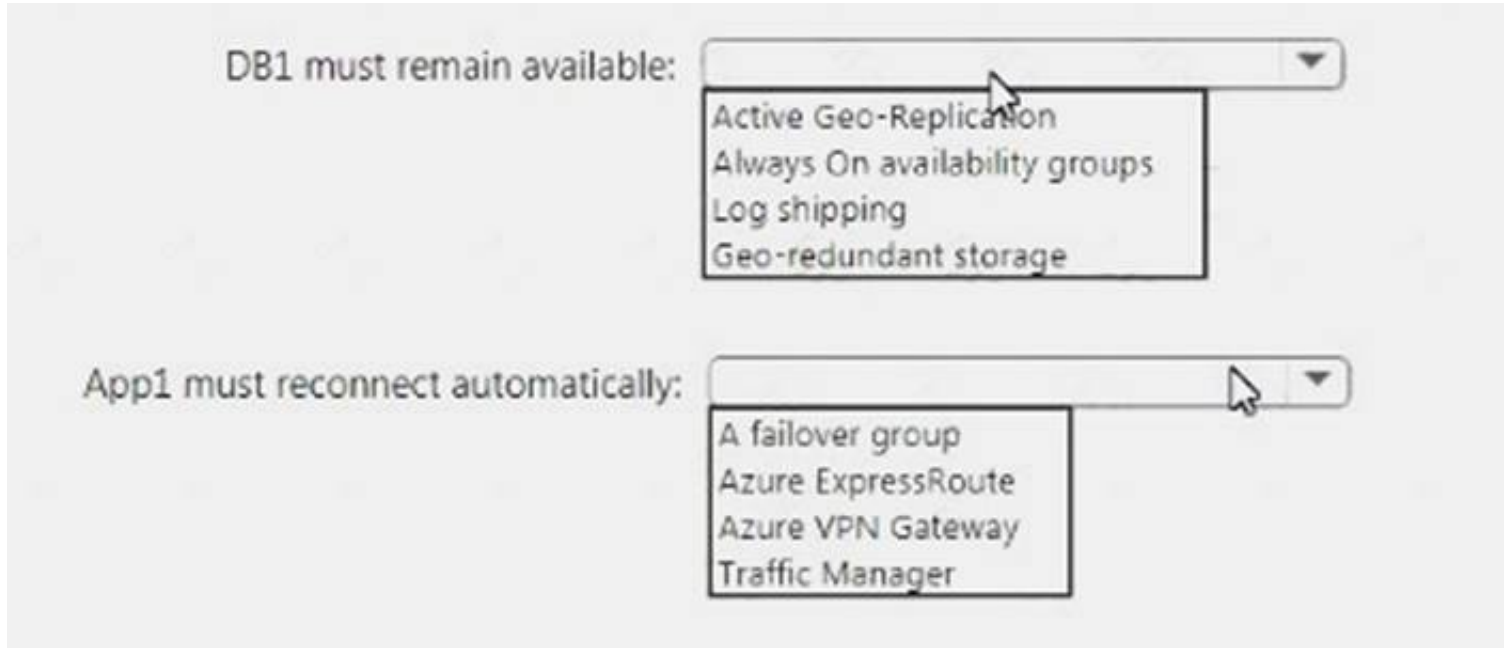
#### NEW QUESTION 220

You plan to deploy a Microsoft Azure SQL database named DB1 to support a new application named Appl. You need to recommend a solution for DB1 that meets the following requirements if a single region fails:

- DB1 must remain available.
- App1 must reconnect automatically.

What should you recommend implementing to meet each requirement? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.



Answer:

Explanation: References:  
<https://docs.microsoft.com/en-us/azure/sql-database/sql-database-geo-replication-overview>

NEW QUESTION 222

Your network contains a primary site that has an AlwaysOn Availability Group.  
You plan to create a new Microsoft Azure subscription that will use AlwaysOn Availability Groups on Microsoft Azure virtual machines.  
You need to ensure that you can activate AlwaysOn Availability Groups on the Azure virtual machines if the primary site fails.  
Which four actions should you perform in sequence in the Azure infrastructure? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

**Actions**

Deploy the Microsoft SQL Server AlwaysOn Azure virtual machine template.

Manually configure an AlwaysOn availability group on Azure virtual machines.

Set up a site-to-site VPN.

Deploy domain controllers on Azure virtual machines.

Configure the Azure DHCP settings.

Implement Azure Active Directory (Azure AD).

>

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**Answer Area**

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Answer:

**Answer Area**

Set up a site-to-site VPN.

Configure the Azure DHCP settings.

Deploy domain controllers on Azure virtual machines.

Manually configure an AlwaysOn availability group on Azure virtual machines.

NEW QUESTION 225

You need to provision a new Microsoft Azure Database for PostgreSQL server database.  
Which two actions should you perform to create the database? Each correct answer presents a complete solution.  
NOTE: Each correct selection is worth one point.

- A. From Azure Cloud Shell, run the az sql db create command.
- B. From the PostgreSQL command prompt run the create database command.
- C. From PowerShellUn the New-object cmdlet.



- D. From the PostgreSQL command prompt, run the CREATEdb command.  
 E. From PowerShell, run the New-AzureRmsqlDatabase cmdlet

**Answer:** BD

#### NEW QUESTION 226

You plan to create a database named DB1.

You need to ensure that all the data in DB1 is encrypted when the database is at rest.

Which four actions should you perform in sequence after you create DB1? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions	Answer Area
From the master database, run <b>CREATE MASTER KEY</b> .	
From the master database, run <b>CREATE CERTIFICATE cert1 WITH Subject = 'TDE Cert'</b> .	
From DB1, run <b>CREATE DATABASE ENCRYPTION KEY</b> .	
From DB1, run <b>CREATE CERTIFICATE cert1 WITH Subject = 'TDE Cert'</b> .	
From master database, run <b>CREATE DATABASE ENCRYPTION KEY</b> .	
From the master database, run <b>ALTER DATABASE DB1 SET ENCRYPTION ON</b> .	

**Answer:**

**Explanation:** References:

<https://docs.microsoft.com/en-us/sql/relational-databases/security/encryption/transparent-data-encryption?view=>

#### NEW QUESTION 231

You have a Microsoft Azure SQL data warehouse.

During peak usage, you discover that the data warehouse fails to meet performance expectations. You need to provide additional resources to the data warehouse.

What should you do?

- A. Create an additional storage pool.  
 B. Create an elastic database pool.  
 C. Increase the number of Database Throughput Units (DTUs).  
 D. Increase the number of Data Warehouse Units (DWUs).

**Answer:** D

**Explanation:** References:

<https://azure.microsoft.com/en-gb/documentation/articles/sql-data-warehouse-manage-compute-overview/>

#### NEW QUESTION 232

Your company has a Microsoft Azure SQL database named OBI. You create an alert in DB1.

You need to ensure that an Azure PowerShell script named alerts.ps1 runs when the alert is triggered. What should you do?

- A. Add alerts.ps1 to Azure Blob storag  
 B. Configure the alert to call alerts.ps1 from the Blob storage.  
 C. Add alerts.ps1 to a new Azure virtual machine named VM2. Modify the alert to run alerts.ps1 from VM2.  
 D. Add alerts.ps1 to a runboo  
 E. Create a webhook to start the runboo  
 F. Configure the alert to call the webhook.  
 G. Add alerts.ps1 to a runboo  
 H. Create an Azure automation job to start the runboo  
 I. Modify the properties of the alert.

**Answer:** C

#### NEW QUESTION 237

You have a failover cluster deployed to Microsoft Azure virtual machines.

You plan to deploy a new Microsoft SQL instance to the cluster. The instance will host one database that has 10 file groups.

You provision 10 disks for the instance.

You need to recommend a storage solution that always provides the fastest possible reads for the database. What should you include in the recommendation?

- A. dynamic disks that use striping  
 B. one file group per disk  
 C. a storage space

D. dynamic disks that use mirroring

**Answer:** C

#### NEW QUESTION 239

You need to deploy a new Microsoft Azure SQL database that must meet the following requirements:

- \* Will be available if a single Azure region becomes unavailable
- \* Will be able to fail over to another Azure region automatically

Which two configuration tasks should you perform? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. Add the database to a failover group.
- B. Add the database to a database pool.
- C. Configure the database connection string to point to the endpoint of the read-write listener.
- D. Add the database to an AlwaysOn availability group that uses synchronous replication.
- E. Configure the database connection string to point to the endpoint of the primary replica.

**Answer:** AD

#### NEW QUESTION 243

Your company has a Microsoft Azure subscription that contains a virtual machine. The virtual machine has Microsoft SQL Server installed.

You plan to configure the database to back up to a storage account named backup and a container named SQL1.

You need to ensure that access to the database is secured at the container level.

How should you complete the CREATE CREDENTIAL statement? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

CREATE CREDENTIAL

[https://BACKUP.blob.core.windows.net/SQL1]  
 BackupCredential  
 https://SQL1.blob.core.windows.net/Backup  
 Z%2FRHIX5Xcg0Mq2rqI3OlWTjEg2tYkboXr1P9ZUXDtkk%3D

WITH IDENTITY =

'CERTIFICATE'  
 'IDENTITY'  
 'PASSWORD'  
 'SHARED ACCESS SIGNATURE'

, SECRET = ' Z%2FRHIX5Xcg0Mq2rqI3OlWTjEg2tYkboXr1P9ZUXDtkk%3D';

**Answer:**

**Explanation:**

CREATE CREDENTIAL

[https://BACKUP.blob.core.windows.net/SQL1]  
BackupCredential  
https://SQL1.blob.core.windows.net/Backup  
Z%2FRHIX5Xcg0Mq2rqI3OIWTjEg2tYkboXr1P9ZUXDtkk%3D

WITH IDENTITY =

'CERTIFICATE'  
'IDENTITY'  
'PASSWORD'  
'SHARED ACCESS SIGNATURE'

,SECRET = ' Z%2FRHIX5Xcg0Mq2rqI3OIWTjEg2tYkboXr1P9ZUXDtkk%3D';

NEW QUESTION 248

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