# Question65

Case Study

Complete the Case Study

* Solution Evaluation

**Instructions**  
  
This case study contains 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.  
  
Note: You cannot go back or review questions of this type on the actual certification exam.

## Question 65.1

You create a blob storage account. You must be able to administer the storage account via the REST API.  
  
You need to provide secure access to the storage account.  
  
Solution: You create a service shared access signature (SAS).  
  
Does this solution meet the goal?

Complete the Case Study

* Solution Evaluation
* Question 1
* Question 2
* Question 3
* Question 4

Yes

No

## Question 65.2

You create a blob storage account. You must be able to administer the storage account via the REST API.  
  
You need to provide secure access to the storage account.  
  
Solution: You create an account shared access signature (SAS).  
  
Does this solution meet the goal?

Complete the Case Study

* Solution Evaluation
* Question 1
* Question 2
* Question 3
* Question 4

Yes

No

## Question 65.3

You create a blob storage account. You must be able to administer the storage account via the REST API.  
  
You need to provide secure access to the storage account.  
  
Solution: You use the primary access key.  
  
Does this solution meet the goal?

Complete the Case Study

* Solution Evaluation
* Question 1
* Question 2
* Question 3
* Question 4

No

Yes

## Question 65.4

You create a blob storage account. You must be able to administer the storage account via the REST API.  
  
You need to provide secure access to the storage account.  
  
Solution: You use the secondary access key.  
  
Does this solution meet the goal?

Complete the Case Study

* Solution Evaluation
* Question 1
* Question 2
* Question 3
* Question 4

Yes

No

# Question69

Case Study

Complete the Case Study

* Solution Evaluation

**Instructions**  
  
This case study contains 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.  
  
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## Question 69.1

Your company is developing an Azure data solution that uses Azure Blob Storage. A select set of Azure Active Directory (Azure AD) accounts should be provided access to storage during the initial test period. Access should expire automatically after 30 days. You want to avoid using the storage account key to provide access. You must be able to manage access specifics through role-based access control (RBAC).  
  
You need to configure authentication and access to the storage blob.  
  
Solution: You request a user delegation key and configure the account level shared access signature (SAS).  
  
Does this solution meet the goal?

Complete the Case Study

* Solution Evaluation
* Question 1
* Question 2
* Question 3

Yes

No

## Question 69.2

Your company is developing an Azure data solution that uses Azure Blob Storage. A select set of Azure Active Directory (Azure AD) accounts should be provided access to storage during the initial test period. Access should expire automatically after 30 days. You want to avoid using the storage account key to provide access. You must be able to manage access specifics through role-based access control (RBAC).  
  
You need to configure authentication and access to the storage blob.  
  
Solution: You request a user delegation key and configure shared key access.  
  
Does this solution meet the goal?

Complete the Case Study

* Solution Evaluation
* Question 1
* Question 2
* Question 3

Yes

No

## Question 69.3

Your company is developing an Azure data solution that uses Azure Blob Storage. A select set of Azure Active Directory (Azure AD) accounts should be provided access to storage during the initial test period. Access should expire automatically after 30 days. You want to avoid using the storage account key to provide access. You must be able to manage access specifics through role-based access control (RBAC).  
  
You need to configure authentication and access to the storage blob.  
  
Solution: You request a user delegation key and configure the user delegation shared access signature (SAS).  
  
Does this solution meet the goal?

Complete the Case Study

* Solution Evaluation
* Question 1
* Question 2
* Question 3

Yes

No

# Question143

You are a data architect for your company. You create an Azure SQL Database server with one database. You keep the default firewall settings.  
  
You need to determine how the database can be accessed.  
  
To answer, select Yes if the statement is true. Otherwise, select No.

|  |  |  |
| --- | --- | --- |
| **Statement** | **Yes** | **No** |
| You can add data to the database by using the Azure portal. |  |  |
| You can read data from the database by using SQL Server Management Studio (SSMS) on your local computer. |  |  |
| You can update data in the database from an Azure function. |  |  |

# Question144

You are creating an Azure SQL Database managed instance that must be accessed by an on-premises application that is load-balanced across four servers. A data engineer must be able to access the database by using SQL Server Management Studio (SSMS) from a personal laptop computer.  
  
You need to configure the environment so that both the application and the data engineer can access the database.  
  
For each of the following statements, select Yes if the statement is true. Otherwise, select No.

|  |  |  |
| --- | --- | --- |
| **Statement** | **Yes** | **No** |
| You should create a point-to-site connection for the application. |  |  |
| You should create a site-to-site connection for the application. |  |  |
| You should create a point-to-site connection for the developer. |  |  |

# Question145

You are designing a cloud data solution for your company. You create an Azure SQL Database server with a single database. The database will be used by a developer to test queries.  
  
You need to ensure that the developer can successfully access the database.  
  
What should you do?

Choose the correct answer

Create a server-level firewall rule and ensure that inbound TCP port 1433 is open on the developer's computer.

Create an ExpressRoute connection between Azure and the developer's computer.

Create a server-level firewall rule and ensure that outbound TCP port 1433 is open on the developer's computer.

Create a point-to-site connection between Azure and the developer's computer.

# Question146

You run the following SQL statement on an Azure SQL Database Single Database instance:  
  
EXECUTE sp\_set\_database\_firewall\_rule N'Sample Rule', '0.0.0.0', '0.0.0.0';  
  
You need to determine what sources are allowed to access the database.  
  
What should you conclude?

Choose the correct answer

All Azure services

Only the Query Editor in the Azure portal

The entire internet

Only your local computer

# Question147

You create an Azure storage account that contains a table and a blob container. You want to allow two IP addresses the ability to read from the table. The users of the IP addresses must not be able to modify or delete the storage account. They also must not be able to read blobs in the blob container.  
  
You need to provide access to the storage account to the clients of the IP addresses.  
  
What should you provide?

Choose the correct answer

Secondary access key

Service shared access signature (SAS)

Account shared access signature (SAS)

Primary access key

# Question148

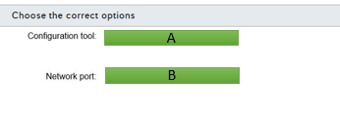
You are a data architect for a record distributor. You are designing a solution that allows record labels to submit songs to the cloud. Each record company must be able to submit and delete its own songs only. You plan to create a blob container for each record label. An on-premises application will be used by company managers to browse, download, and delete songs.  
  
You need to design a solution so that the songs are secure.  
  
For each of the following statements, select Yes if the statement is true. Otherwise, select No.

|  |  |  |
| --- | --- | --- |
| **Statement** | **Yes** | **No** |
| You should provide the secondary access key to each record company. |  |  |
| You should provide a service shared access signature (SAS) to each record company. |  |  |
| You should provide the primary access key to the application. |  |  |

# Question150

Your network is configured as an Active Directory Domain Services (AD DS) domain. All on-premises user accounts also have synchronized Azure Active Directory (Azure AD) users.  
  
The database server Cust\_SQL is used as a staging database to collect data relating to customer sales activity. A batch data solution reads data from Cust\_SQL, performs extract, transform, and load, and then passes the result to Azure Power BI for sales analysis.  
  
You need to protect access to the data by limiting access to a non-standard port.  
  
Which port should you choose, and what tool should you use to configure the SQL database? To answer, select the appropriate option from the drop-down menus.

Choose the correct options



A)

1. Azure Data Studio
2. SQL Server Configuration Manager
3. SQL Server Data Tools
4. SQL Server Management Study (SSMS)

B)

1. 443
2. 1433
3. 8080

# Question151

You are designing a new data project. One of the project requirements is to allow access to one set of data without requiring any authentication. Someone accessing the data must already know the data store they want to access and should be unable to enumerate available stores.  
  
You need to determine which Azure storage offering to use.  
  
Which storage offering supports this access option?

Choose the correct answer

Azure Files

Azure Queues

Azure Tables

Azure Blobs

# Question152

You are reviewing access security requirements for new data storage solutions. You need to recommend an authorization option that supports:

* Azure Blob
* Azure Files (SMB)
* Azure Files (REST)
* Azure Queues
* Azure Tables

Which authorization option should you recommend?

Choose the correct answer

Azure Active Directory (Azure AD)

Anonymous public read access

Shared access signature (SAS)

Shared Key (storage account key)

# Question153

You are developing an Azure data solution for a non-profit organization that works with United States military veterans. Users should be able to view only the last four digits of a veteran's social security number (SSN) when querying records.  
  
You need to configure an Azure SQL database to provide this protection.  
  
Which security feature should you use?

Choose the correct answer

Dynamic data masking (DDM)

Always Encrypted

Row-level security (RLS)

Transparent Data Encryption (TDE)

# Question154

You migrate an Azure data solution from an on-premises database to an Azure SQL Database managed instance. You discover that data can be accessed in clear text when it is accessed offline from database backups.  
  
You need to ensure that the database is encrypted and cannot be accessed from backups. You need to minimize the management effort necessary to implement and maintain the solution.  
  
What should you configure?

Choose the correct answer

Dynamic data masking (DDM)

Transport Layer Security (TLS)

Transparent Data Encryption (TDE)

Always Encrypted

# Question155

You are configuring access to Azure Blob storage.  
  
You need to configure fine-grained access control through role-based access control (RBAC).  
  
Which authorization option should you choose?

Choose the correct answer

Access key

Shared key

Azure Active Directory (AD)

Account shared access signature (SAS)

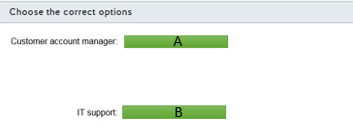
# Question156

You are implementing an Azure SQL Data Warehouse to support a data application. You use Azure Active Directory (Azure AD) for user authentication. You are assigning roles based on job requirements:

* Customer account managers must be able to create new databases.
* IT support personnel must be able to assign users to databases.

Role assignments should follow the principle of least privilege.  
  
You need to make role membership assignments.  
  
How should you assign roles? To answer, select the best role from the drop-down menu.

Choose the correct options



A)

1. db\_accessadmin
2. db\_securityadmin
3. dbcreator
4. dbmanager
5. sysadmin

B)

1. db\_accessadmin
2. db\_securityadmin
3. dbcreator
4. dbmanager
5. sysadmin

# Question158

Your company has an Active Directory Domain Services (AD DS) on-premises domain and an Azure Active Directory (Azure AD) domain. The domains are not kept synchronized.  
  
You develop an Azure data solution that uses an Azure SQL Database single instance for data storage. You want to use Azure authentication to control database access.  
  
You need to configure support for Azure AD authentication. You want to minimize the administrative overhead necessary to accomplish this.  
  
What should you do?

Choose the correct answer

Configure automatic synchronization between AD DS and Azure AD.

Create an Azure AD admin account on the Azure SQL Database instance.

Disable SQL Server authentication on the Azure SQL Database instance.

Migrate the Azure SQL Database to an Azure SQL Database managed instance.

# Question159

You use various Azure storage authentication methods throughout your organization, often configuring different authentication methods for the same data store to meet different requirements.  
  
You must regenerate an access key for an Azure Blob store. You need to identify which authorization types can be impacted by this action.  
  
Which three authorization methods will this impact? Each correct answer presents part of the solution.

Choose the correct answers

Service shared access signatures (SAS)

Anonymous public read access

Shared key

User delegation shared access signatures (SAS)

Azure Active Directory (Azure AD)

Account shared access signatures (SAS)