

- B. failover groups
- C. geo-replication
- D. Always On availability groups

Answer: B

Explanation:

Section: [none]

Explanation:

Scenario: In the event of an Azure regional outage, ensure that the customers can access the PaaS solution with minimal downtime. The solution must provide automatic failover.

The auto-failover groups feature allows you to manage the replication and failover of a group of databases on a server or all databases in a managed instance to another region. It is a declarative abstraction on top of the existing active geo-replication feature, designed to simplify deployment and management of geo-replicated databases at scale. You can initiate failover manually or you can delegate it to the Azure service based on a user-defined policy.

The latter option allows you to automatically recover multiple related databases in a secondary region after a catastrophic failure or other unplanned event that results in full or partial loss of the SQL Database or SQL Managed Instance availability in the primary region.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-sql/database/auto-failover-group-overview>

Question Set 3

NEW QUESTION # 313

Task 1

In an Azure SQL database named db1, you need to enable page compression on the PK_SalesOrderHeader_SalesOrderID clustered index of the SalesLT.SalesOrderHeader table.

Answer:

Explanation:

See the explanation part for the complete Solution.

Explanation:

To enable page compression on the PK_SalesOrderHeader_SalesOrderID clustered index of the SalesLT.SalesOrderHeader table in db1, you can use the following Transact-SQL script:

```
-- Connect to the Azure SQL database named db1
```

```
USE db1;
```

```
GO
```

```
-- Enable page compression on the clustered index
```

```
ALTER INDEX PK_SalesOrderHeader_SalesOrderID ON SalesLT.SalesOrderHeader REBUILD WITH
```

```
(DATA_COMPRESSION = PAGE); GO
```

This script will rebuild the clustered index with page compression, which can reduce the storage space and improve the query performance. The script solution consists of three parts:

* The first part is USE db1; GO. This part connects to the Azure SQL database named db1, where the SalesLT.SalesOrderHeader table is located. The GO command separates the batches of Transact-SQL statements and sends them to the server.

* The second part is ALTER INDEX PK_SalesOrderHeader_SalesOrderID ON SalesLT.SalesOrderHeader REBUILD WITH (DATA_COMPRESSION = PAGE); GO. This part enables page compression on the clustered index named PK_SalesOrderHeader_SalesOrderID, which is defined on the SalesLT.SalesOrderHeader table. The ALTER INDEX statement modifies the properties of an existing index. The REBUILD option rebuilds the index from scratch, which is required to change the compression setting. The DATA_COMPRESSION = PAGE option specifies that page compression is applied to the index, which means that both row and prefix compression are used. Page compression can reduce the storage space and improve the query performance by compressing the data at the page level. The GO command ends the batch of statements.

* The third part is optional, but it can be useful to verify the compression status of the index. It is SELECT name, index_id, data_compression_desc FROM sys.indexes WHERE object_id = OBJECT_ID('SalesLT.SalesOrderHeader');. This part queries the sys.indexes catalog view, which contains information about the indexes in the database. The SELECT statement returns the name, index_id, and data_compression_desc columns for the indexes that belong to the SalesLT.SalesOrderHeader table. The OBJECT_ID function returns the object identification number for the table name. The data_compression_desc column shows the compression type of the index, which should be PAGE for the clustered index after the script is executed.

These are the steps of the script solution for enabling page compression on the clustered index of the SalesLT.SalesOrderHeader table in db1.

NEW QUESTION # 314

You have an Azure SQL managed instance.

You need to restore a database named DB1 by using Transact-SQL.

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

NOTE: Each correct selection is worth one point.

Answer:

Explanation:

Explanation:

Text Description automatically generated

NEW QUESTION # 315

You are planning disaster recovery for the failover group of an Azure SQL Database managed instance.

Your company's SLA requires that the database in the failover group become available as quickly as possible if a major outage occurs.

You set the Read/Write failover policy to Automatic.

What are two results of the configuration? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. In the event of an outage, you can selectively fail over individual databases.
- **B. In the event of a datacenter or Azure regional outage, the databases will fail over automatically.**
- C. In the event of an outage, you can set a different grace period to fail over each database.
- **D. In the event of an outage, the minimum delay for the databases to fail over in the primary instance will be one hour.**
- E. In the event of an outage, the databases in the primary instance will fail over immediately.

Answer: B,D

Explanation:

Explanation

A: Auto-failover groups allow you to manage replication and failover of a group of databases on a server or all databases in a managed instance to another region.

E: Because verification of the scale of the outage and how quickly it can be mitigated involves human actions by the operations team, the grace period cannot be set below one hour. This limitation applies to all databases in the failover group regardless of their data synchronization state.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-sql/database/auto-failover-group-overview>

NEW QUESTION # 316

You have a SQL Server on Azure Virtual Machines instance that hosts a database named Db1.

You need to configure the autogrow and autoshrink settings for DB1.

Which statements should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer:

Explanation:

Explanation

<https://learn.microsoft.com/en-us/troubleshoot/sql/admin/considerations-autogrow-autoshrink>

NEW QUESTION # 317

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