



DP-420^{Q&As}

Designing and Implementing Cloud-Native Applications Using Microsoft Azure Cosmos DB

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QUESTION 1

You need to identify which connectivity mode to use when implementing App2. The solution must support the planned changes and meet the business requirements. Which connectivity mode should you identify?

- A. Direct mode over HTTPS
- B. Gateway mode (using HTTPS)
- C. Direct mode over TCP

Correct Answer: C

Scenario: Develop an app named App2 that will run from the retail stores and query the data in account2. App2 must be limited to a single DNS endpoint when accessing account2.

By using Azure Private Link, you can connect to an Azure Cosmos account via a private endpoint. The private endpoint is a set of private IP addresses in a subnet within your virtual network.

When you're using Private Link with an Azure Cosmos account through a direct mode connection, you can use only the TCP protocol. The HTTP protocol is not currently supported.

Reference:

<https://docs.microsoft.com/en-us/azure/cosmos-db/how-to-configure-private-endpoints>

QUESTION 2

You have a database in an Azure Cosmos DB for NoSQL account that is configured for multi-region writes.

You need to use the Azure Cosmos DB SDK to implement the conflict resolution policy for a container. The solution must ensure that any conflict sent to the conflict feed.

Solution:

1.

You set ConflictResolutionMode to Custom.

2.

You Set ResolutionProcedures to a custom stored procedure.

3.

You configure the custom stored procedure to use the isTomstone parameter to resolve conflict.

Does this meet the goal?

- A. Yes
- B. No



Correct Answer: A

The solution is incorrect because there is no "isTom" parameter in the Azure Cosmos DB SDK. The correct parameter is "isTombstone".

QUESTION 3

HOTSPOT

You plan to deploy two Azure Cosmos DB Core (SQL) API accounts that will each contain a single database. The accounts will be configured as shown in the following table.

Name	Description
development	<ul style="list-style-type: none"> • Supports the development of new application features • Used intermittently as needed during development
shipments	<ul style="list-style-type: none"> • Captures over 100,000 updates per second generated at unpredictable times throughout the business day • Used with Azure Synapse Link for analytics

How should you provision the containers within each account to minimize costs? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

development:

▼
Serverless capacity mode
Provisioned throughput capacity mode and manual throughput
Provisioned throughput capacity mode and autoscale throughput

shipments:

▼
Serverless capacity mode
Provisioned throughput capacity mode and manual throughput
Provisioned throughput capacity mode and autoscale throughput

Correct Answer:



Answer Area

development:

	▼
Serverless capacity mode	
Provisioned throughput capacity mode and manual throughput	
Provisioned throughput capacity mode and autoscale throughput	

shipments:

	▼
Serverless capacity mode	
Provisioned throughput capacity mode and manual throughput	
Provisioned throughput capacity mode and autoscale throughput	

Box 1: Serverless capacity mode Azure Cosmos DB serverless best fits scenarios where you expect intermittent and unpredictable traffic with long idle times. Because provisioning capacity in such situations isn't required and may be cost-prohibitive, Azure Cosmos DB serverless should be considered in the following use-cases:

1.

Getting started with Azure Cosmos DB

2.

Running applications with bursty, intermittent traffic that is hard to forecast, or low (