

Top DP-420 Exam Reviews Offers Candidates Professional Actual Microsoft Designing and Implementing Cloud-Native Applications Using Microsoft Azure Cosmos DB Exam Products



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Microsoft DP-420 Exam Overview:

Exam Name:	Designing and Implementing Cloud-Native Applications Using
Exam Number:	DP-420
Exam Format:	Multiple choice, Multiple response, Case studies, Drag and drop, Short answer
Certificate Validity Period:	1 year (renewable via Microsoft Learn assessment)
Real Exam Qty:	40-60 (approx.)
Passing Score:	700 / 1000
Available Languages:	English, Japanese, Chinese (Simplified), Korean, French, German, Spanish
Exam Price:	\$165 USD (may vary by region)
Related Certifications:	Microsoft Certified: Azure Developer Associate (AZ-204) Microsoft Certified: Azure Solutions Architect Expert (AZ-305)
Exam Duration:	100-120
Recommended Training:	Microsoft Learn DP-420 Learning Path Azure Cosmos DB Documentation
Exam Registration:	Microsoft Learn DP-420 Exam Page Pearson VUE Registration Portal
Sample Questions:	Microsoft DP-420 Sample Questions
Exam Way:	Online proctored (Pearson VUE) or in-person at authorized test centers
Pre Condition:	No mandatory prerequisites. Recommended: experience with Azure development and NoSQL databases, especially Cosmos DB.
Official Syllabus URL:	https://learn.microsoft.com/credentials/certifications/exams/dp-420/

Pass Guaranteed 2026 Microsoft High-quality DP-420: Designing and Implementing Cloud-Native Applications Using Microsoft Azure Cosmos DB Exam Reviews

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The Designing and Implementing Cloud-Native Applications Using Microsoft Azure Cosmos DB certification exam is aimed at professionals who want to demonstrate their expertise in building cloud-native applications using Azure Cosmos DB. Passing the exam validates the candidate's skills and knowledge in designing, implementing, and maintaining applications that run on Azure Cosmos DB. It also provides a credential that can help professionals advance their careers and increase their earning potential.

Microsoft DP-420 Certification Exam is a comprehensive test designed to evaluate the knowledge and skills of professionals in designing and implementing cloud-native applications using Microsoft Azure Cosmos DB. Designing and Implementing Cloud-Native Applications Using Microsoft Azure Cosmos DB certification is ideal for candidates who are interested in demonstrating their ability to leverage the power of cloud computing to build scalable, reliable, and high-performance applications.

Microsoft Designing and Implementing Cloud-Native Applications Using Microsoft Azure Cosmos DB Sample Questions (Q181-Q186):

NEW QUESTION # 181

You are developing an application that will use an Azure Cosmos DB Core (SQL) API account as a data source. You need to create a report that displays the top five most ordered fruits as shown in the following table.

Name	Type	Orders
apple	fruit	1,000
orange	fruit	600
banana	fruit, exotic	400
plum	fruit	300
mango	fruit, exotic	200

A collection that contains aggregated data already exists. The following is a sample document:

```
{
  "name": "apple",
  "type": ["fruit", "exotic"],
  "orders": 10000
}
```

Which two queries can you use to retrieve data for the report? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

```
SELECT TOP 5 i.name, i.types, i.orders
FROM items i
WHERE EXISTS(SELECT VALUE t FROM t IN i.types WHERE t.name = 'fruit')
ORDER BY i.orders DESC
```

- A.
- B.

```
SELECT TOP 5 i.name, i.types, i.orders
FROM items i
WHERE EXISTS(SELECT VALUE t FROM t IN i.types WHERE t.name = 'fruit')
ORDER BY i.types DESC
```

```
SELECT TOP i.name, i.types, i.orders
FROM items i
WHERE ARRAY_CONTAINS(i.types, {name: 'fruit'})
ORDER BY i.orders DESC
```

- C.
- D.

```
SELECT TOP i.name, i.types, i.orders
FROM items i
WHERE EXISTS(SELECT VALUE t FROM t IN i.types WHERE t.name = 'fruit')
ORDER BY i.orders, i.types
```

Answer: A,C

Explanation:

ARRAY_CONTAINS returns a Boolean indicating whether the array contains the specified value. You can check for a partial or full match of an object by using a boolean expression within the command.

Reference: <https://docs.microsoft.com/en-us/azure/cosmos-db/sql/sql-query-array-contains>

NEW QUESTION # 182

You have a container named contained in an Azure Cosmos DB for NoSQL account.

The following is a sample of a document in container1.

```
{
  "studentId": "631282"
  "firstName": "James",
  "lastName": "Smith",
  "enrollmentYear": 1990,
  "isActivelyEnrolled": true,
  "address": {
    "street": "",
    "city": "",
    "stateProvince": "",
    "postal": ""
  }
}
```

The container1 container has the following indexing policy.

```
{
  "indexingMode": "consistent",
  "includedPaths": [
    {
      "path": "/"
    },
    {
      "path": "/address/city/?"
    }
  ],
  "excludedPaths": [
    {
      "path": "/address/*"
    },
    {
      "path": "/firstname/?"
    }
  ]
}
```



For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
The /isActivelyEnrolled property is included in the index.	☐	☐
The /firstname property is included in the index.	☐	☐
The /address/city property is included in the index.	☐	☐

Answer:

Explanation:

Statements	Yes	No
The /isActivelyEnrolled property is included in the index.	☒	☐
The /firstname property is included in the index.	☐	☒
The /address/city property is included in the index.	☒	☐

NEW QUESTION # 183

You have an app that stores data in an Azure Cosmos DB Core (SQL) API account. The app performs queries that return large result sets.

You need to return a complete result set to the app by using pagination. Each page of results must return 80 items.

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

Configure MaxItemCount in QueryRequestOptions

Run the query and provide a continuation token

Configure MaxBufferedItemCount in QueryRequestOptions

Append the results to a variable

Run the query and increment MaxItemCount

Answer Area

>

<

Answer:

Explanation:

Actions

Configure MaxItemCount in QueryRequestOptions

Run the query and provide a continuation token

Configure MaxBufferedItemCount in QueryRequestOptions

Append the results to a variable

Run the query and increment MaxItemCount

Answer Area

Configure MaxItemCount in QueryRequestOptions

Run the query and provide a continuation token

Append the results to a variable

Explanation:

Actions	Answer Area
	Configure MaxItemCount in QueryRequestOptions
Configure MaxBufferedItemCount in QueryRequestOptions	Run the query and provide a continuation token
Run the query and increment MaxItemCount	Append the results to a variable



Step 1: Configure the MaxItemCount in QueryRequestOptions

You can specify the maximum number of items returned by a query by setting the MaxItemCount. The MaxItemCount is specified per request and tells the query engine to return that number of items or fewer.

Box 2: Run the query and provide a continuation token

In the .NET SDK and Java SDK you can optionally use continuation tokens as a bookmark for your query's progress. Azure Cosmos DB query executions are stateless at the server side and can be resumed at any time using the continuation token. If the query returns a continuation token, then there are additional query results.

Step 3: Append the results to a variable

Reference: <https://docs.microsoft.com/en-us/azure/cosmos-db/sql/sql-query-pagination>

NEW QUESTION # 184

You have a database named telemetry in an Azure Cosmos DB Core (SQL) API account that stores IoT data.

The database contains two containers named readings and devices.

Documents in readings have the following structure.

```
id
deviceid
timestamp
ownerid
measures (array)
- type
- value
- metricid
```

Documents in devices have the following structure.

```
id
deviceid
owner
- ownerid
- emailaddress
- name
brand
model
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Statements	Yes	No
To return for all devices owned by a specific emailaddress, multiple queries must be performed	☐	☐
To return deviceid, ownerid, timestamp, and value for a specific metricid, a join must be performed	☐	☐
To return deviceid, ownerid, emailaddress, and model, a join must be performed	☐	☐

Answer:

Explanation:

Statements	Yes	No
To return for all devices owned by a specific emailaddress, multiple queries must be performed	☐	☐
To return deviceid, ownerid, timestamp, and value for a specific metricid, a join must be performed	☐	☐
To return deviceid, ownerid, emailaddress, and model, a join must be performed	☐	☐

Explanation:

Statements	Yes	No
To return for all devices owned by a specific emailaddress, multiple queries must be performed	☐	☐
To return deviceid, ownerid, timestamp, and value for a specific metricid, a join must be performed	☐	☐
To return deviceid, ownerid, emailaddress, and model, a join must be performed	☐	☐

Box 1: Yes

Need to join readings and devices.

Box 2: No

Only readings is required. All required fields are in readings.

Box 3: No

Only devices is required. All required fields are in devices.

NEW QUESTION # 185

You are developing an application that will use an Azure Cosmos DB Core (SQL) API account as a data source.

You need to create a report that displays the top five most ordered fruits as shown in the following table.

Name	Type	Orders
apple	fruit	1,000
orange	fruit	600
banana	fruit, exotic	400
plum	fruit	300
mango	fruit, exotic	200

A collection that contains aggregated data already exists. The following is a sample document:

```
{
  "name": "apple",
  "type": ["fruit", "exotic"],
  "orders": 10000
}
```

Which two queries can you use to retrieve data for the report? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A)

```
SELECT TOP 5 i.name, i.types, i.orders
FROM items i
WHERE EXISTS(SELECT VALUE t FROM t IN i.types WHERE t.name = 'fruit')
ORDER BY i.orders, i.types
```

B)

```
SELECT TOP i.name, i.types, i.orders
FROM items i
WHERE EXISTS(SELECT VALUE t FROM t IN i.types WHERE t.name = 'fruit')
ORDER BY i.orders DESC
```

C)

```
SELECT TOP i.name, i.types, i.orders
FROM items i
WHERE EXISTS(SELECT VALUE t FROM t IN i.types WHERE t.name = 'fruit')
ORDER BY i.types DESC
```

D)

```
SELECT TOP i.name, i.types, i.orders
FROM items i
WHERE ARRAY_CONTAINS(i.types, {name: 'fruit'})
ORDER BY i.orders DESC
```

- A. Option D
- B. Option A
- C. Option C
- D. Option B

Answer: A,D

Explanation:

ARRAY_CONTAINS returns a Boolean indicating whether the array contains the specified value. You can check for a partial or full match of an object by using a boolean expression within the command.

Incorrect Answers:

A: Default sorting ordering is Ascending. Must use Descending order.

C: Order on Orders not on Type.

NEW QUESTION # 186

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