

# Exam Topics DP-800 Pdf - Microsoft Valid DP-800 Exam Prep: Developing AI-Enabled Database Solutions Latest Released



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## Microsoft DP-800 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"><li>• Design and develop database solutions: This domain covers designing and building database objects such as tables, views, functions, stored procedures, and triggers, along with writing advanced T-SQL code and leveraging AI-assisted tools like GitHub Copilot and MCP for SQL development.</li></ul>
Topic 2	<ul style="list-style-type: none"><li>• Secure, optimize, and deploy database solutions: This domain focuses on implementing data security measures like encryption, masking, and row-level security, optimizing query performance, managing CI</li><li>• CD pipelines using SQL Database Projects, and integrating SQL solutions with Azure services including Data API builder and monitoring tools.</li></ul>
Topic 3	<ul style="list-style-type: none"><li>• Implement AI capabilities in database solutions: This domain covers designing and managing external AI models and embeddings, implementing full-text, semantic vector, and hybrid search strategies, and building retrieval-augmented generation (RAG) solutions that connect database outputs with language models.</li></ul>

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## Quiz Microsoft - DP-800 - Developing AI-Enabled Database Solutions Perfect Exam Topics Pdf

Different from other similar education platforms, the DP-800 quiz guide will allocate materials for multi-plate distribution, rather than random accumulation without classification. The DP-800 prepare torrent is absorbed in the advantages of the traditional learning platform and realize their shortcomings, so as to develop the DP-800 test material more suitable for users of various cultural levels. And the DP-800 test material provided many study parts of the plates is good enough to arouse the enthusiasm of the user, allow the user to keep attention of highly concentrated.

## Microsoft Developing AI-Enabled Database Solutions Sample Questions (Q49-Q54):

### NEW QUESTION # 49

You need to create a table in the database to store the telemetry data. You have the following Transact-SQL code.

**Answer:**

Explanation:

Explanation:

The first statement is No . The requirement says telemetry data must be stored in a partitioned table to provide predictable performance for ingestion and retention operations. However, the shown CREATE TABLE statement does not define a partition function or partition scheme, and the table is created with a regular clustered primary key on TelemetryId. Microsoft's partitioning guidance states that creating a partitioned table requires a partition function , a partition scheme , and creating the table or index on that partition scheme using a partitioning column. None of that appears in the code, so the table is not partitioned.

The second statement is Yes . The code creates a JSON index named JI\_VehicleTelemetry\_Location on LocationJson for these specific JSON paths: \$.location.latitude, \$.location.longitude, and \$.location.accuracy.

That matches the requirement that those JSON properties must be filterable by using an index seek .

Microsoft documents that JSON indexing is used to optimize filtering and sorting on JSON properties, and the index only helps for the properties included in the index definition.

The third statement is No . The JSON index is defined only for latitude, longitude, and accuracy. A query filtering on \$.location.heading references a different path that is not included in the index definition, so that query would not use JI\_VehicleTelemetry\_Location for that predicate. JSON indexes are path-specific; they do not automatically cover unrelated properties in the same JSON document.

### NEW QUESTION # 50

You need to recommend a solution for the development team to retrieve the live metadata. The solution must meet the development requirements.

What should you include in the recommendation?

- A. Include the database project in the code repository.
- B. Export the database schema as a .dacpac file and load the schema into a GitHub Copilot context window.
- **C. Use an MCP server**
- D. Add the schema to a GitHub Copilot instruction file.

**Answer: C**

Explanation:

The best recommendation is to use an MCP server . In the official DP-800 study guide , Microsoft explicitly lists skills such as configuring Model Context Protocol (MCP) tool options in a GitHub Copilot session and connecting to MCP server endpoints, including Microsoft SQL Server and Fabric Lakehouse . That makes MCP the exam-aligned mechanism for enabling AI-assisted tools to work with live database context rather than static snapshots.

This also matches the stated development requirement: the team will use Visual Studio Code and GitHub Copilot and needs to retrieve live metadata from the databases . Microsoft's documentation for GitHub Copilot with the MSSQL extension explains that Copilot works with an active database connection , provides schema-aware suggestions , supports chatting with a connected database, and adapts responses based on the current database context . Microsoft also documents MCP as the standard way for AI tools to connect to external systems and data sources through discoverable tools and endpoints.

The other options do not satisfy the "live metadata" requirement as well:

\* A .dacpac is a point-in-time schema artifact, not live metadata.

\* A Copilot instruction file provides guidance, not live database discovery.

\* Including the database project in the repository helps source control and deployment, but it still does not provide live database metadata by itself.

### NEW QUESTION # 51

You need to recommend a solution for the development team to retrieve the live metadata. The solution must meet the development requirements.

What should you include in the recommendation?

- A. Include the database project in the code repository.
- B. Export the database schema as a .dacpac file and load the schema into a GitHub Copilot context window.
- **C. Use an MCP server**

- D. Add the schema to a GitHub Copilot instruction file.

**Answer: C**

### NEW QUESTION # 52

You have an Azure SQL database that supports a customer-facing API. The API calls a stored procedure named `dbo.GetCustomerOrders` thousands of times per hour.

After a deployment that updated indexes and statistics, users report that the API endpoint backed by `dbo.GetCustomerOrders` is slower. In Query Store, the same query now has two persisted execution plans. During the last hour, the newer plan had a significantly higher average duration and CPU time than the older plan.

You need to restore the previous performance quickly, without changing the API code.

Which Transact-SQL command should you run?

- A. `EXEC sp_query_store_force_plan`
- B. `EXEC sys.sp_query_store_set_hints`
- C. `ALTER DATABASE`
- D. `DBCC FREEPROCCACHE`

**Answer: A**

Explanation:

The scenario says Query Store already shows two persisted execution plans for the same query, and the older plan performed much better than the newer one during the last hour. Microsoft documents that `sp_query_store_force_plan` is used to force a particular plan for a particular query in Query Store .

That makes it the fastest way to restore the previously good plan without changing application code , which is exactly what the question requires.

Why the other options are not the best fit:

\* `sp_query_store_set_hints` is for adding or updating Query Store hints to influence compilation behavior, but when you already know the exact older good plan, Microsoft points to plan forcing as the direct remedy.

\* `DBCC FREEPROCCACHE` clears cached plans broadly and is disruptive; it does not guarantee a return to the known good plan.

\* `ALTER DATABASE` is too general and does not directly restore the prior execution plan.

So the right Transact-SQL command is:

`EXEC sp_query_store_force_plan`

using the relevant `@query_id` and `@plan_id` from Query Store for the older, better-performing plan.

Microsoft also notes that when a plan is forced, SQL Server tries to use that plan whenever it encounters the query again.

### NEW QUESTION # 53

You have an Azure SQL database that supports the OLTP workload of an order-processing application.

During a 10-minute incident window, you run a dynamic management view query and discover the following:

Session 72 is sleeping with `open_transaction_count = 1`.

Multiple other sessions show `blocking_session_id = 72` in `sys.dm_exec_requests`.

`sys.dm_exec_input_buffer(72, NULL)` returns only `BEGIN TRANSACTION UPDATE Sales.Orders`.

Users report that updates to `Sales.Orders` intermittently time out during the incident window. The timeouts stop only after you manually terminate session 72.

What is a possible cause of the blocking?

- A. A long-running `SELECT` statement is blocking writers.
- B. Session 72 caused a deadlock.
- C. A lock escalation occurred.
- D. An explicit transaction was started but not committed or rolled back.

**Answer: D**

### NEW QUESTION # 54

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