Exam Topics Questions

@thatonecodes

Exam DP-700 topic 1 question 1 discussion

Actual exam question from

Microsoft's DP-700

Question #: 1 Topic #: 1

[All DP-700 Questions]

Case Study -This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.To start the case study -To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions.Clicking these buttons displays information such as business requirements, existing environment, and problem statements. If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the Question button to return to the question.Overview. Company Overview -Contoso, Ltd. is an online retail company that wants to modernize its analytics platform by moving to Fabric. The company plans to begin using Fabric for marketing analytics.Overview. IT Structure -The companyâ€™s IT department has a team of data analysts and a team of data engineers that use analytics systems.The data engineers perform the ingestion, transformation, and loading of data. They prefer to use Python or SQL to transform the data.The data analysts query data and create semantic models and reports. They are qualified to write queries in Power Query and T-SQL.Existing Environment. Fabric -Contoso has an F64 capacity named Cap1. All Fabric users are allowed to create items.Contoso has two workspaces named WorkspaceA and WorkspaceB that currently use Pro license mode.Existing Environment. Source SystemsContoso has a point of sale (POS) system named POS1 that uses an instance of SQL Server on Azure Virtual Machines in the same Microsoft Entra tenant as Fabric. The host virtual machine is on a private virtual network that has public access blocked. POS1 contains all the sales transactions that were processed on the companyâ€™s website.The company has a software as a service (SaaS) online marketing app named MAR1. MAR1 has seven entities. The entities contain data that relates to email open rates and interaction rates, as well as website interactions. The data can be exported from MAR1 by calling REST APIs. Each entity has a different endpoint.Contoso has been using MAR1 for one year. Data from prior years is stored in Parquet files in an Amazon Simple Storage Service (Amazon S3) bucket. There are 12 files that range in size from 300Â MB to 900Â MB and relate to email interactions.Existing Environment. Product DataPOS1 contains a product list and related data. The data comes from the following three tables:Products -ProductCategories -ProductSubcategories -In the data, products are related to product subcategories, and subcategories are related to product

categories.Existing Environment. Azure -Contoso has a Microsoft Entra tenant that has the following mail-enabled security groups:DataAnalysts: Contains the data analystsDataEngineers: Contains the data engineersContoso has an Azure subscription.The company has an existing Azure DevOps organization and creates a new project for repositories that relate to Fabric.Existing Environment. User ProblemsThe VP of marketing at Contoso requires analysis on the effectiveness of different types of email content. It typically takes a week to manually compile and analyze the data. Contoso wants to reduce the time to less than one day by using Fabric.The data engineering team has successfully exported data from MAR1. The team experiences transient connectivity errors, which causes the data exports to fail.Requirements. Planned Changes -Contoso plans to create the following two lakehouses:Lakehouse1: Will store both raw and cleansed data from the sourcesLakehouse2: Will serve data in a dimensional model to users for analytical queriesAdditional items will be added to facilitate data ingestion and transformation.Contoso plans to use Azure Repos for source control in Fabric.Requirements. Technical RequirementsThe new lakehouses must follow a medallion architecture by using the following three layers: bronze, silver, and gold. There will be extensive data cleansing required to populate the MAR1 data in the silver layer, including deduplication, the handling of missing values, and the standardizing of capitalization.Each layer must be fully populated before moving on to the next layer. If any step in populating the lakehouses fails, an email must be sent to the data engineers.Data imports must run simultaneously, when possible.The use of email data from the Amazon S3 bucket must meet the following requirements:Minimize egress costs associated with cross-cloud data access.Prevent saving a copy of the raw data in the lakehouses.Items that relate to data ingestion must meet the following requirements:The items must be source controlled alongside other workspace items.Ingested data must land in the bronze layer of Lakehouse1 in the Delta format.No changes other than changes to the file formats must be implemented before the data lands in the bronze layer.Development effort must be minimized and a built-in connection must be used to import the source data.In the event of a connectivity error, the ingestion processes must attempt the connection again.Lakehouses, data pipelines, and notebooks must be stored in WorkspaceA. Semantic models, reports, and dataflows must be stored in WorkspaceB.Once a week, old files that are no longer referenced by a Delta table log must be removed.Requirements. Data TransformationIn the POS1 product data, ProductID values are unique. The product dimension in the gold layer must include only active products from product list. Active products are identified by an IsActive value of 1.Some product categories and subcategories are NOT assigned to any product. They are NOT analytically relevant and must be omitted from the product dimension in the gold layer.Requirements. Data Security -Security in Fabric must meet the following requirements:The data engineers must have read and write access to all the lakehouses, including the underlying files.The data analysts must only have read access to the Delta tables in the gold layer.The data analysts must NOT have access to the data in the bronze and silver layers.The data engineers must be able to commit changes to source control in WorkspaceA.You need to ensure that the data analysts can access the gold layer lakehouse.What should you do? Suggested Answer: C ðŸ—³ï¸•

A. Add the DataAnalyst group to the Viewer role for WorkspaceA.

B. Share the lakehouse with the DataAnalysts group and grant the Build reports on the default semantic model permission.

C. Share the lakehouse with the DataAnalysts group and grant the Read all SQL Endpoint data permission.

D. Share the lakehouse with the DataAnalysts group and grant the Read all Apache Spark permission.

Answer: C

Timestamp: Dec. 15, 2024, 7:33 a.m.

View on ExamTopics

Exam DP-700 topic 1 question 2 discussion

Actual exam question from

Microsoft's DP-700

Question #: 2 Topic #: 1

[All DP-700 Questions]

You have a Fabric workspace.You have semi-structured data.You need to read the data by using T-SQL, KQL, and Apache Spark. The data will only be written by using Spark.What should you use to store the data? Suggested Answer: A ðŸ—³ï¸•

A. a lakehouse

B. an eventhouse

C. a datamart

D. a warehouse

Answer: A

Timestamp: Dec. 6, 2024, 6:10 p.m.

View on ExamTopics

Exam DP-700 topic 1 question 3 discussion

Actual exam question from

Microsoft's DP-700

Question #: 3 Topic #: 1

[All DP-700 Questions]

You have a Fabric workspace that contains a warehouse named Warehouse1.You have an on-premises Microsoft SQL Server database named Database1 that is accessed by using an on-premises data gateway.You need to copy data from Database1 to Warehouse1.Which item should you use? Suggested Answer: B ðŸ—³ï¸•

A. a Dataflow Gen1 dataflow

B. a data pipeline

C. a KQL queryset

D. a notebook

Answer: B

Timestamp: Dec. 8, 2024, 4:33 p.m.

View on ExamTopics

Exam DP-700 topic 1 question 4 discussion

Actual exam question from

Microsoft's DP-700

Question #: 4 Topic #: 1

[All DP-700 Questions]

You have a Fabric workspace that contains a warehouse named Warehouse1.You have an on-premises Microsoft SQL Server database named Database1 that is accessed by using an on-premises data gateway.You need to copy data from Database1 to Warehouse1.Which item should you use? Suggested Answer: B ðŸ—³ï¸•

A. an Apache Spark job definition

B. a data pipeline

C. a Dataflow Gen1 dataflow

D. an eventstream

Answer: B

Timestamp: Dec. 8, 2024, 4:33 p.m.

View on ExamTopics

Exam DP-700 topic 1 question 5 discussion

Actual exam question from

Microsoft's DP-700

Question #: 5 Topic #: 1

[All DP-700 Questions]

You have a Fabric F32 capacity that contains a workspace. The workspace contains a warehouse named DW1 that is modelled by using MD5 hash surrogate keys.DW1 contains a single fact table that has grown from 200Â million rows to 500Â million rows during the past year.You have Microsoft Power BI reports that are based on Direct Lake. The reports show year-over-year values.Users report that the performance of some of the reports has degraded over time and some visuals show errors.You need to resolve the performance issues. The solution must meet the following requirements:Provide the best query performance.Minimize operational costs.Which should you do?
Suggested Answer: C ðŸ—³ï¸•

A. Change the MD5 hash to SHA256.

B. Increase the capacity.

C. Enable V-Order.

D. Modify the surrogate keys to use a different data type.

E. Create views.

Answer: C

Timestamp: Dec. 6, 2024, 8:45 p.m.

View on ExamTopics

Exam DP-700 topic 1 question 6 discussion

Actual exam question from

Microsoft's DP-700

Question #: 6 Topic #: 1

[All DP-700 Questions]

HOTSPOT -You have a Fabric workspace that contains a warehouse named DW1. DW1 contains the following tables and columns.You need to create an output that presents the summarized values of all the order quantities by year and product. The results must include a summary of the order quantities at the year level for all the products.How should you complete the code? To answer, select the appropriate options in the answer area.NOTE: Each correct selection is worth one point.
Suggested Answer: A

Answer: A

Timestamp: Dec. 16, 2024, 4:59 p.m.

View on ExamTopics

Exam DP-700 topic 1 question 7 discussion

Actual exam question from

Microsoft's DP-700

Question #: 7 Topic #: 1

[All DP-700 Questions]

You have a Fabric workspace that contains a lakehouse named Lakehouse1. Data is ingested into Lakehouse1 as one flat table. The table contains the following columns.You plan to load the data into a dimensional model and implement a star schema. From the original flat table, you create two tables named FactSales and DimProduct. You will track changes in DimProduct.You need to prepare the data.Which three columns should you include in the DimProduct table? Each correct answer presents part of the solution.NOTE: Each correct selection is worth one point. Suggested Answer: BCF ðŸ—³ï¸•

A. Date

B. ProductName

C. ProductColor

D. TransactionID

E. SalesAmount

F. ProductID

Answer: B

Timestamp: Dec. 8, 2024, 4:41 p.m.

View on ExamTopics

Exam DP-700 topic 1 question 8 discussion

Actual exam question from

Microsoft's DP-700

Question #: 8 Topic #: 1

[All DP-700 Questions]

You have a Fabric workspace named Workspace1 that contains a notebook named Notebook1.In Workspace1, you create a new notebook named Notebook2.You need to ensure that you can attach Notebook2 to the same Apache Spark session as Notebook1.What should you do? Suggested Answer: A ðŸ—³ï¸•

A. Enable high concurrency for notebooks.

B. Enable dynamic allocation for the Spark pool.

C. Change the runtime version.

D. Increase the number of executors.

Answer: A

Timestamp: Dec. 8, 2024, 4:43 p.m.

View on ExamTopics

Exam DP-700 topic 1 question 9 discussion

Actual exam question from

Microsoft's DP-700

Question #: 9 Topic #: 1

[All DP-700 Questions]

You have a Fabric workspace named Workspace1 that contains a lakehouse named Lakehouse1. Lakehouse1 contains the following tables:Orders -Customer -Employee -The Employee table contains Personally Identifiable Information (PII).A data engineer is building a workflow that requires writing data to the Customer table, however, the user does NOT have the elevated permissions required to view the contents of the Employee table.You need to ensure that the data engineer can write data to the Customer table without reading data from the Employee table.Which three actions should you perform? Each correct answer presents part of the solution.NOTE: Each correct selection is worth one point. Suggested Answer: DEF ðŸ—³ï¸•

A. Share Lakehouse1 with the data engineer.

B. Assign the data engineer the Contributor role for Workspace2.

C. Assign the data engineer the Viewer role for Workspace2.

D. Assign the data engineer the Contributor role for Workspace1.

E. Migrate the Employee table from Lakehouse1 to Lakehouse2.

F. Create a new workspace named Workspace2 that contains a new lakehouse named Lakehouse2.

G. Assign the data engineer the Viewer role for Workspace1.

Answer: D

Timestamp: Dec. 6, 2024, 10:03 p.m.

Exam DP-700 topic 1 question 10 discussion

Actual exam question from

Microsoft's DP-700

Question #: 10 Topic #: 1

[All DP-700 Questions]

You have a Fabric warehouse named DW1. DW1 contains a table that stores sales data and is used by multiple sales representatives.You plan to implement row-level security (RLS).You need to ensure that the sales representatives can see only their respective data.Which warehouse object do you require to implement RLS? Suggested Answer: D ðŸ—³ï¸•

A. STORED PROCEDURE

B. CONSTRAINT

C. SCHEMA

D. FUNCTION

Answer: D

Timestamp: Dec. 8, 2024, 4:47 p.m.

View on ExamTopics

Exam DP-700 topic 1 question 11 discussion

Actual exam question from

Microsoft's DP-700

Question #: 11 Topic #: 1

[All DP-700 Questions]

HOTSPOT -You have a Fabric workspace named Workspace1_DEV that contains the following items:10 reportsFour notebooks -Three lakehouses -Two data pipelines -Two Dataflow Gen1 dataflows -Three Dataflow Gen2 dataflows -Five semantic models that each has a scheduled refresh policyYou create a deployment pipeline named Pipeline1 to move items from Workspace1_DEV to a new workspace named Workspace1_TEST.You deploy all the items from Workspace1_DEV to Workspace1_TEST.For each of the following statements, select Yes if the statement is true. Otherwise, select No.NOTE: Each correct selection is worth one point. Suggested Answer:

**Answer: **

Timestamp: Dec. 16, 2024, 4:57 p.m.

View on ExamTopics

Exam DP-700 topic 1 question 12 discussion

Actual exam question from

Microsoft's DP-700

Question #: 12 Topic #: 1

[All DP-700 Questions]

You have a Fabric deployment pipeline that uses three workspaces named Dev, Test, and Prod.You need to deploy an eventhouse as part of the deployment process.What should you use to add the eventhouse to the deployment process? Suggested Answer: B ðŸ—³ï¸•

A. GitHub Actions

B. a deployment pipeline

C. an Azure DevOps pipeline

Answer: B

Timestamp: Dec. 8, 2024, 4:48 p.m.

View on ExamTopics

Exam DP-700 topic 1 question 13 discussion

Actual exam question from

Microsoft's DP-700

Question #: 13 Topic #: 1

[All DP-700 Questions]

You have a Fabric workspace named Workspace1 that contains a warehouse named Warehouse1.You plan to deploy Warehouse1 to a new workspace named Workspace2.As part of the deployment process, you need to verify whether Warehouse1 contains invalid references. The solution must minimize development effort.What should you use? Suggested Answer: B ðŸ—³ï¸•

A. a database project

B. a deployment pipeline

C. a Python script

D. a T-SQL script

Answer: B

Timestamp: Dec. 15, 2024, 9:44 a.m.

View on ExamTopics

Exam DP-700 topic 1 question 14 discussion

Actual exam question from

Microsoft's DP-700

Question #: 14 Topic #: 1

[All DP-700 Questions]

You have a Fabric workspace that contains a Real-Time Intelligence solution and an eventhouse.Users report that from OneLake file explorer, they cannot see the data from the eventhouse.You enable OneLake availability for the eventhouse.What will be copied to OneLake?
Suggested Answer: E ðŸ—³ï¸•

A. only data added to new databases that are added to the eventhouse

B. only the existing data in the eventhouse

C. no data

D. both new data and existing data in the eventhouse

E. only new data added to the eventhouse

Answer: E

Timestamp: Dec. 8, 2024, 4:19 p.m.

View on ExamTopics

Exam DP-700 topic 1 question 15 discussion

Actual exam question from

Microsoft's DP-700

Question #: 15 Topic #: 1

[All DP-700 Questions]

You have a Fabric workspace named Workspace1.You plan to integrate Workspace1 with Azure DevOps.You will use a Fabric deployment pipeline named deployPipeline1 to deploy items from Workspace1 to higher environment workspaces as part of a medallion architecture. You will run deployPipeline1 by using an API call from an Azure DevOps pipeline.You need to configure API authentication between Azure DevOps and Fabric.Which type of authentication should you use?
Suggested Answer: A ðŸ—³ï¸•

A. service principal

B. Microsoft Entra username and password

C. managed private endpoint

D. workspace identity

Answer: A

Timestamp: Dec. 8, 2024, 12:42 p.m.

View on ExamTopics

Exam DP-700 topic 1 question 16 discussion

Actual exam question from

Microsoft's DP-700

Question #: 16 Topic #: 1

[All DP-700 Questions]

You have a Google Cloud Storage (GCS) container named storage1 that contains the files shown in the following table.You have a Fabric workspace named Workspace1 that has the cache for shortcuts enabled. Workspace1 contains a lakehouse named Lakehouse1. Lakehouse1 has the shortcuts shown in the following table.You need to read data from all the shortcuts.Which shortcuts will retrieve data from the cache? Suggested Answer: C ðŸ—³ï¸•

A. Stores only

B. Products only

C. Stores and Products only

D. Products, Stores, and Trips

E. Trips only

F. Products and Trips only

Answer: C

Timestamp: Dec. 8, 2024, 12:41 p.m.

View on ExamTopics

Exam DP-700 topic 1 question 17 discussion

Actual exam question from

Microsoft's DP-700

Question #: 17 Topic #: 1

[All DP-700 Questions]

You have a Fabric workspace named Workspace1 that contains an Apache Spark job definition named Job1.You have an Azure SQL database named Source1 that has public internet access disabled.You need to ensure that Job1 can access the data in Source1.What should you create? Suggested Answer: B ðŸ—³ï¸•

A. an on-premises data gateway

B. a managed private endpoint

C. an integration runtime

D. a data management gateway

Answer: B

Timestamp: Dec. 29, 2024, 3:43 p.m.

View on ExamTopics

Exam DP-700 topic 1 question 18 discussion

Actual exam question from

Microsoft's DP-700

Question #: 18 Topic #: 1

[All DP-700 Questions]

You have an Azure Data Lake Storage Gen2 account named storage1 and an Amazon S3 bucket named storage2.You have the Delta Parquet files shown in the following table.You have a Fabric workspace named Workspace1 that has the cache for shortcuts enabled. Workspace1 contains a lakehouse named Lakehouse1. Lakehouse1 has the following shortcuts:A shortcut to ProductFile aliased as ProductsA shortcut to StoreFile aliased as StoresA shortcut to TripsFile aliased as TripsThe data from which shortcuts will be retrieved from the cache? Suggested Answer: C ðŸ—³ï¸•

A. Trips and Stores only

B. Products and Store only

C. Stores only

D. Products only

E. Products, Stores, and Trips

Answer: C

Timestamp: Dec. 12, 2024, 10:20 p.m.

View on ExamTopics

Exam DP-700 topic 1 question 19 discussion

Actual exam question from

Microsoft's DP-700

Question #: 19 Topic #: 1

[All DP-700 Questions]

HOTSPOT -You have a Fabric workspace named Workspace1 that contains the items shown in the following table.For Model1, the Keep your Direct Lake data up to date option is disabled.You need to configure the execution of the items to meet the following requirements:Notebook1 must execute every weekday at 8:00Â AM.Notebook2 must execute when a file is saved to an Azure Blob Storage container.Model1 must refresh when Notebook1 has executed successfully.How should you orchestrate each item? To answer, select the appropriate options in the answer area.NOTE: Each correct selection is worth one point. Suggested Answer:

**Answer: **

Timestamp: Dec. 29, 2024, 3:56 p.m.

View on ExamTopics

Exam DP-700 topic 1 question 20 discussion

Actual exam question from

Microsoft's DP-700

Question #: 20 Topic #: 1

[All DP-700 Questions]

Your company has a sales department that uses two Fabric workspaces named Workspace1 and Workspace2.The company decides to implement a domain strategy to organize the workspaces.You need to ensure that a user can perform the following tasks:Create a new domain for the sales department.Create two subdomains: one for the east region and one for the west region.Assign Workspace1 to the east region subdomain.Assign Workspace2 to the west region subdomain.The solution must follow the principle of least privilege.Which role should you assign to the user?
Suggested Answer: D ðŸ—³ï¸•

A. workspace Admin

B. domain admin

C. domain contributor

D. Fabric admin

Answer: D

Timestamp: Dec. 11, 2024, 9:58 p.m.

View on ExamTopics

Exam DP-700 topic 1 question 21 discussion

Actual exam question from

Microsoft's DP-700

Question #: 21 Topic #: 1

[All DP-700 Questions]

You have a Fabric workspace named Workspace1 that contains a warehouse named DW1 and a data pipeline named Pipeline1.You plan to add a user named User3 to Workspace1.You need to ensure that User3 can perform the following actions:View all the items in Workspace1.Update the tables in DW1.The solution must follow the principle of least privilege.You already assigned the appropriate object-level permissions to DW1.Which workspace role should you assign to User3?
Suggested Answer: D ðŸ—³ï¸•

A. Admin

B. Member

C. Viewer

D. Contributor

Answer: D

Timestamp: Dec. 12, 2024, 10:35 p.m.

View on ExamTopics

Exam DP-700 topic 1 question 22 discussion

Actual exam question from

Microsoft's DP-700

Question #: 22 Topic #: 1

[All DP-700 Questions]

You have a Fabric capacity that contains a workspace named Workspace1. Workspace1 contains a lakehouse named Lakehouse1, a data pipeline, a notebook, and several Microsoft Power BI reports.A user named User1 wants to use SQL to analyze the data in Lakehouse1.You need to configure access for User1. The solution must meet the following requirements:Provide User1 with read access to the table data in Lakehouse1.Prevent User1 from using Apache Spark to query the underlying files in Lakehouse1.Prevent User1 from accessing other items in Workspace1.What should you do? Suggested Answer: A ðŸ—³ï¸•

A. Share Lakehouse1 with User1 directly and select Read all SQL endpoint data.

B. Assign User1 the Viewer role for Workspace1. Share Lakehouse1 with User1 and select Read all SQL endpoint data.

C. Share Lakehouse1 with User1 directly and select Build reports on the default semantic model.

D. Assign User1 the Member role for Workspace1. Share Lakehouse1 with User1 and select Read all SQL endpoint data.

Answer: A

Timestamp: Dec. 11, 2024, 10:21 p.m.

Exam DP-700 topic 1 question 23 discussion

Actual exam question from

Microsoft's DP-700

Question #: 23 Topic #: 1

[All DP-700 Questions]

DRAG DROP -You are implementing the following data entities in a Fabric environment:Entity1: Available in a lakehouse and contains data that will be used as a core organization entityEntity2: Available in a semantic model and contains data that meets organizational standardsEntity3: Available in a Microsoft Power BI report and contains data that is ready for sharing and reuseEntity4: Available in a Power BI dashboard and contains approved data for executive-level decision makingYour company requires that specific governance processes be implemented for the data.You need to apply endorsement badges to the entities based on each entityâ€™s use case.Which badge should you apply to each entity? To answer, drag the appropriate badges the correct entities. Each badge may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.NOTE: Each correct selection is worth one point. Suggested Answer:

**Answer: **

Timestamp: Jan. 23, 2025, 1:01 p.m.

View on ExamTopics

Exam DP-700 topic 1 question 24 discussion

Actual exam question from

Microsoft's DP-700

Question #: 24 Topic #: 1

[All DP-700 Questions]

HOTSPOT -You have three users named User1, User2, and User3.You have the Fabric workspaces shown in the following table.You have a security group named Group1 that contains User1 and User3.The Fabric admin creates the domains shown in the following table.User1 creates a new workspace named Workspace3.You add Group1 to the default domain of Domain1.For each of the following statements, select Yes if the statement is true. Otherwise, select No.NOTE: Each correct selection is worth one point. Suggested Answer:

**Answer: **

Timestamp: Jan. 23, 2025, 1:23 p.m.

View on ExamTopics

Exam DP-700 topic 1 question 25 discussion

Actual exam question from

Microsoft's DP-700

Question #: 25 Topic #: 1

[All DP-700 Questions]

You have two Fabric workspaces named Workspace1 and Workspace2.You have a Fabric deployment pipeline named deployPipeline1 that deploys items from Workspace1 to Workspace2. DeployPipeline1 contains all the items in Workspace1.You recently modified the items in Workspaces1.The workspaces currently contain the items shown in the following table.Items in Workspace1 that have the same name as items in Workspace2 are currently paired.You need to ensure that the items in Workspace1 overwrite the corresponding items in Workspace2. The solution must minimize effort.What should you do? Suggested Answer: D ðŸ—³ï¸•

A. Delete all the items in Workspace2, and then run deployPipeline1.

B. Rename each item in Workspace2 to have the same name as the items in Workspace1.

C. Back up the items in Workspace2, and then run deployPipeline1.

D. Run deployPipeline1 without modifying the items in Workspace2.

Answer: D

Timestamp: Dec. 30, 2024, 5:47 p.m.

View on ExamTopics

Exam DP-700 topic 1 question 26 discussion

Actual exam question from

Microsoft's DP-700

Question #: 26 Topic #: 1

[All DP-700 Questions]

You have a Fabric workspace named Workspace1 that contains a data pipeline named Pipeline1 and a lakehouse named Lakehouse1.You have a deployment pipeline named deployPipeline1 that deploys Workspace1 to Workspace2.You restructure Workspace1 by adding a folder named Folder1 and moving Pipeline1 to Folder1.You use deployPipeline1 to deploy Workspace1 to Workspace2.What occurs to Workspace2? Suggested Answer: A ðŸ—³ï¸•

A. Folder1 is created, Pipeline1 moves to Folder1, and Lakehouse1 is deployed.

B. Only Pipeline1 and Lakehouse1 are deployed.

C. Folder1 is created, and Pipeline1 and Lakehouse1 move to Folder1.

D. Only Folder1 is created and Pipeline1 moves to Folder1.

Answer: A

Timestamp: Jan. 23, 2025, 1:38 p.m.

View on ExamTopics

Exam DP-700 topic 1 question 27 discussion

Actual exam question from

Microsoft's DP-700

Question #: 27 Topic #: 1

[All DP-700 Questions]

DRAG DROP -Your company has a team of developers. The team creates Python libraries of reusable code that is used to transform data.You create a Fabric workspace name Workspace1 that will be used to develop extract, transform, and load (ETL) solutions by using notebooks.You need to ensure that the libraries are available by default to new notebooks in Workspace1.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. Suggested Answer:

**Answer: **

Timestamp: Jan. 24, 2025, 8:43 a.m.

View on ExamTopics

Exam DP-700 topic 1 question 28 discussion

Actual exam question from

Microsoft's DP-700

Question #: 28 Topic #: 1

[All DP-700 Questions]

You have a Fabric workspace that contains a lakehouse and a notebook named Notebook1. Notebook1 reads data into a DataFrame from a table named Table1 and applies transformation logic. The data from the DataFrame is then written to a new Delta table named Table2 by using a merge operation.You need to consolidate the underlying Parquet files in Table1.Which command should you run? Suggested Answer: C ðŸ—³ï¸•

A. VACUUM

B. BROADCAST

C. OPTIMIZE

D. CACHE

Answer: C

Timestamp: Dec. 30, 2024, 5:57 p.m.

View on ExamTopics

Exam DP-700 topic 1 question 29 discussion

Actual exam question from

Microsoft's DP-700

Question #: 29 Topic #: 1

[All DP-700 Questions]

You have five Fabric workspaces.You are monitoring the execution of items by using Monitoring hub.You need to identify in which workspace a specific item runs.Which column should you view in Monitoring hub? Suggested Answer: G ðŸ—³ï¸•

A. Start time

B. Capacity

C. Activity name

D. Submitter

E. Item type

F. Job type

G. Location

Answer: G

Timestamp: Dec. 30, 2024, 5:57 p.m.

View on ExamTopics

Exam DP-700 topic 1 question 30 discussion

Actual exam question from

Microsoft's DP-700

Question #: 30 Topic #: 1

[All DP-700 Questions]

You have a Fabric workspace that contains a warehouse named DW1. DW1 is loaded by using a notebook named Notebook1.You need to identify which version of Delta was used when Notebook1 was executed.What should you use? Suggested Answer: D ðŸ—³ï¸•

A. Real-Time hub

B. OneLake data hub

C. the Admin monitoring workspace

D. Fabric Monitor

E. the Microsoft Fabric Capacity Metrics app

Answer: D

Timestamp: Dec. 31, 2024, 5:53 p.m.

View on ExamTopics

Exam DP-700 topic 1 question 31 discussion

Actual exam question from

Microsoft's DP-700

Question #: 31 Topic #: 1

[All DP-700 Questions]

DRAG DROP -You have a Fabric workspace that contains a warehouse named Warehouse1.In Warehouse1, you create a table named DimCustomer by running the following statement.You need to set the Customerkey column as a primary key of the DimCustomer table.Which three code segments should you run in sequence? To answer, move the appropriate code segments from the list of code segments to the answer area and arrange them in the correct order. Suggested Answer:

**Answer: **

Timestamp: Jan. 19, 2025, 4:20 p.m.

View on ExamTopics

Exam DP-700 topic 1 question 32 discussion

Actual exam question from

Microsoft's DP-700

Question #: 32 Topic #: 1

[All DP-700 Questions]

You have a Fabric workspace that contains a semantic model named Model1.You need to dynamically execute and monitor the refresh progress of Model1.What should you use? Suggested Answer: D ðŸ—³ï¸•

A. dynamic management views in Microsoft SQL Server Management Studio (SSMS)

B. Monitoring hub

C. dynamic management views in Azure Data Studio

D. a semantic link in a notebook

Answer: D

Timestamp: Dec. 31, 2024, 7:27 a.m.

View on ExamTopics

Exam DP-700 topic 1 question 33 discussion

Actual exam question from

Microsoft's DP-700

Question #: 33 Topic #: 1

[All DP-700 Questions]

Note: This question is part of 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.After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.You have a Fabric eventstream that loads data into a table named Bike_Location in a KQL database. The table contains the following columns:BikepointID -Street -Neighbourhood -No_Bikes -No_Empty_Docks -Timestamp -You need to apply transformation and filter logic to prepare the data for consumption. The solution must return data for a neighbourhood named Sands End when No_Bikes is at least 15. The results must be ordered by No_Bikes in ascending order.Solution: You use the following code segment:Does this meet the goal? Suggested Answer: B ðŸ—³ï¸•

A. Yes

B. No

Answer: B

Timestamp: Dec. 16, 2024, 12:28 a.m.

View on ExamTopics

Exam DP-700 topic 1 question 34 discussion

Actual exam question from

Microsoft's DP-700

Question #: 34 Topic #: 1

[All DP-700 Questions]

Note: This question is part of 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.After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.You have a Fabric eventstream that loads data into a table named Bike_Location in a KQL database. The table contains the following columns:BikepointID -Street -Neighbourhood -No_Bikes -No_Empty_Docks -Timestamp -You need to apply transformation and filter logic to prepare the data for consumption. The solution must return data for a neighbourhood named Sands End when No_Bikes is at least 15. The results must be ordered by No_Bikes in ascending order.Solution: You use the following code segment:Does this meet the goal? Suggested Answer: B ðŸ—³ï¸•

A. Yes

B. No

Answer: B

Timestamp: Dec. 15, 2024, 3:50 a.m.

View on ExamTopics

Exam DP-700 topic 1 question 35 discussion

Actual exam question from

Microsoft's DP-700

Question #: 35 Topic #: 1

[All DP-700 Questions]

Note: This question is part of 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.After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.You have a Fabric eventstream that loads data into a table named Bike_Location in a KQL database. The table contains the following columns:BikepointID -Street -Neighbourhood -No_Bikes -No_Empty_Docks -Timestamp -You need to apply transformation and filter logic to prepare the data for consumption. The solution must return data for a neighbourhood named Sands End when No_Bikes is at least 15. The results must be ordered by No_Bikes in ascending order.Solution: You use the following code segment:Does this meet the goal? Suggested Answer: A ðŸ—³ï¸•

A. Yes

B. No

Answer: A

Timestamp: Dec. 15, 2024, 4:49 p.m.

View on ExamTopics

Exam DP-700 topic 1 question 36 discussion

Actual exam question from

Microsoft's DP-700

Question #: 36 Topic #: 1

[All DP-700 Questions]

Note: This question is part of 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.After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.You have a Fabric eventstream that loads data into a table named Bike_Location in a KQL database. The table contains the following columns:BikepointID -Street -Neighbourhood -No_Bikes -No_Empty_Docks -Timestamp -You need to apply transformation and filter logic to prepare the data for consumption. The solution must return data for a neighbourhood named Sands End when No_Bikes is at least 15. The results must be ordered by No_Bikes in ascending order.Solution: You use the following code segment:Does this meet the goal? Suggested Answer: A ðŸ—³ï¸•

A. Yes

B. No

Answer: A

Timestamp: Dec. 15, 2024, 3:54 a.m.

View on ExamTopics

Exam DP-700 topic 1 question 37 discussion

Actual exam question from

Microsoft's DP-700

Question #: 37 Topic #: 1

[All DP-700 Questions]

Case Study -This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.To start the case study -To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the Question button to return to the question.Overview -Litware, Inc. is a publishing company that has an online bookstore and several retail bookstores worldwide. Litware also manages an online advertising business for the authors it represents.Existing Environment. Fabric EnvironmentLitware has a Fabric workspace named Workspace1. High concurrency is enabled for Workspace1.The company has a data engineering team that uses Python for data processing.Existing Environment. Data ProcessingThe retail bookstores send sales data at the end of each business day, while the online bookstore constantly provides logs and sales data to a central enterprise resource planning (ERP) system.Litware implements a medallion architecture by using the following three layers: bronze, silver, and gold. The sales data is ingested from the ERP system as Parquet files that land in the Files folder in a lakehouse. Notebooks are used to transform the files in a Delta table for the bronze and silver layers. The gold layer is in a warehouse that has V-Order disabled.Litware has image files of book covers in Azure Blob Storage. The files are loaded into the Files folder.Existing Environment. Sales DataMonth-end sales data is processed on the first calendar day of each month. Data that is older than one month never changes.In the source system, the sales data refreshes every six hours starting at midnight each day.The sales data is captured in a Dataflow Gen1 dataflow. When the dataflow runs, new and historical data is captured. The dataflow captures the following fields of the source:â€¢ Sales Dateâ€¢ Authorâ€¢ Priceâ€¢ Unitsâ€¢ SKUA table named AuthorSales stores the sales data that relates to each author. The table contains a column named AuthorEmail. Authors authenticate to a guest Fabric tenant by using their email address.Existing Environment. Security GroupsLitware has the following security groups:â€¢ Salesâ€¢ Fabric Adminsâ€¢ Streaming AdminsExisting Environment. Performance IssuesBusiness users perform ad-hoc queries against the warehouse. The business users indicate that reports against the warehouse sometimes run for two hours and fail to load as expected. Upon further investigation, the data engineering team receives the following error message when the reports fail to load: â€œThe SQL query failed while running.â€•The data engineering team wants to debug the issue and find queries that cause more than one failure.When the authors have new book releases, there is often an increase in sales activity. This increase slows the data ingestion process.The

companyâ€™s sales team reports that during the last month, the sales data has NOT been up-to-date when they arrive at work in the morning.Requirements. Planned Changes -Litware recently signed a contract to receive book reviews. The provider of the reviews exposes the data in Amazon Simple Storage Service (Amazon S3) buckets.Litware plans to manage Search Engine Optimization (SEO) for the authors. The SEO data will be streamed from a REST API.Requirements. Version Control -Litware plans to implement a version control solution in Fabric that will use GitHub integration and follow the principle of least privilege.Requirements. Governance RequirementsTo control data platform costs, the data platform must use only Fabric services and items. Additional Azure resources must NOT be provisioned.Requirements. Data Requirements -Litware identifies the following data requirements:â€¢ Process the SEO data in near-real-time (NRT).â€¢ Make the book reviews available in the lakehouse without making a copy of the data.â€¢ When a new book cover image arrives in the Files folder, process the image as soon as possible.You need to ensure that processes for the bronze and silver layers run in isolation.How should you configure the Apache Spark settings? Suggested Answer: B ðŸ—³ï¸•

A. Disable high concurrency.

B. Create a custom pool.

C. Modify the number of executors.

D. Set the default environment.

Answer: B

Timestamp: April 8, 2025, 10:39 a.m.

Exam DP-700 topic 1 question 38 discussion

Actual exam question from

Microsoft's DP-700

Question #: 38 Topic #: 1

[All DP-700 Questions]

DRAG DROP -Case Study -This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.To start the case study -To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the Question button to return to the question.Overview -Litware, Inc. is a publishing company that has an online bookstore and several retail bookstores worldwide. Litware also manages an online advertising business for the authors it represents.Existing Environment. Fabric EnvironmentLitware has a Fabric workspace named Workspace1. High concurrency is enabled for Workspace1.The company has a data engineering team that uses Python for data processing.Existing Environment. Data ProcessingThe retail bookstores send sales data at the end of each business day, while the online bookstore constantly provides logs and sales data to a central enterprise resource planning (ERP) system.Litware implements a medallion architecture by using the following three layers: bronze, silver, and gold. The sales data is ingested from the ERP system as Parquet files that land in the Files folder in a lakehouse. Notebooks are used to transform the files in a Delta table for the bronze and silver layers. The gold layer is in a warehouse that has V-Order disabled.Litware has image files of book covers in Azure Blob Storage. The files are loaded into the Files folder.Existing Environment. Sales DataMonth-end sales data is processed on the first calendar day of each month. Data that is older than one month never changes.In the source system, the sales data refreshes every six hours starting at midnight each day.The sales data is captured in a Dataflow Gen1 dataflow. When the dataflow runs, new and historical data is captured. The dataflow captures the following fields of the source:â€¢ Sales Dateâ€¢ Authorâ€¢ Priceâ€¢ Unitsâ€¢ SKUA table named AuthorSales stores the sales data that relates to each author. The table contains a column named AuthorEmail. Authors authenticate to a guest Fabric tenant by using their email address.Existing Environment. Security GroupsLitware has the following security groups:â€¢ Salesâ€¢ Fabric Adminsâ€¢ Streaming AdminsExisting Environment. Performance IssuesBusiness users perform ad-hoc queries against the warehouse. The business users indicate that reports against the warehouse sometimes run for two hours and fail to load as expected. Upon further investigation, the data engineering team receives the following error message when the reports fail to load: â€œThe SQL query failed while running.â€•The data engineering team wants to debug the issue and find queries that cause more than one failure.When the authors have new book releases, there is often an increase in sales activity. This increase slows the data ingestion process.The

companyâ€™s sales team reports that during the last month, the sales data has NOT been up-to-date when they arrive at work in the morning.Requirements. Planned Changes -Litware recently signed a contract to receive book reviews. The provider of the reviews exposes the data in Amazon Simple Storage Service (Amazon S3) buckets.Litware plans to manage Search Engine Optimization (SEO) for the authors. The SEO data will be streamed from a REST API.Requirements. Version Control -Litware plans to implement a version control solution in Fabric that will use GitHub integration and follow the principle of least privilege.Requirements. Governance RequirementsTo control data platform costs, the data platform must use only Fabric services and items. Additional Azure resources must NOT be provisioned.Requirements. Data RequirementsLitware identifies the following data requirements:â€¢ Process the SEO data in near-real-time (NRT).â€¢ Make the book reviews available in the lakehouse without making a copy of the data.â€¢ When a new book cover image arrives in the Files folder, process the image as soon as possible.You need to ensure that the authors can see only their respective sales data.How should you complete the statement? To answer, drag the appropriate values the correct targets. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.NOTE: Each correct selection is worth one point. Suggested Answer:

**Answer: **

Timestamp: April 8, 2025, 11:43 a.m.

Exam DP-700 topic 1 question 39 discussion

Actual exam question from

Microsoft's DP-700

Question #: 39 Topic #: 1

[All DP-700 Questions]

Note: This question is part of 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.After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.You have an Azure key vault named KeyVault1 that contains secrets.You have a Fabric workspace named Workspace1. Workspace contains a notebook named Notebook1 that performs the following tasks:â€¢ Loads stage data to the target tables in a lakehouseâ€¢ Triggers the refresh of a semantic modelYou plan to add functionality to Notebook1 that will use the Fabric API to monitor the semantic model refreshes.You need to retrieve the registered application ID and secret from KeyVault1 to generate the authentication token.Solution: You use the following code segment:Use notebookutils.credentials.getSecret and specify the key vault URL and key vault secret.Does this meet the goal? Suggested Answer: A ðŸ—³ï¸•

A. Yes

B. No

Answer: A

Timestamp: April 8, 2025, 11:46 a.m.

View on ExamTopics

Exam DP-700 topic 1 question 40 discussion

Actual exam question from

Microsoft's DP-700

Question #: 40 Topic #: 1

[All DP-700 Questions]

Note: This question is part of 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.After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.You have an Azure key vault named KeyVault1 that contains secrets.You have a Fabric workspace named Workspace1. Workspace contains a notebook named Notebook1 that performs the following tasks:â€¢ Loads stage data to the target tables in a lakehouseâ€¢ Triggers the refresh of a semantic modelYou plan to add functionality to Notebook1 that will use the Fabric API to monitor the semantic model refreshes.You need to retrieve the registered application ID and secret from KeyVault1 to generate the authentication token.Solution: You use the following code segment:Use notebookutils.credentials.putSecret and specify the key vault URL and key vault secret.Does this meet the goal? Suggested Answer: B ðŸ—³ï¸•

A. Yes

B. No

Answer: B

Timestamp: April 8, 2025, 11:50 a.m.

View on ExamTopics

Exam DP-700 topic 1 question 41 discussion

Actual exam question from

Microsoft's DP-700

Question #: 41 Topic #: 1

[All DP-700 Questions]

Note: This question is part of 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.After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.You have an Azure key vault named KeyVault1 that contains secrets.You have a Fabric workspace named Workspace1. Workspace contains a notebook named Notebook1 that performs the following tasks:â€¢ Loads stage data to the target tables in a lakehouseâ€¢ Triggers the refresh of a semantic modelYou plan to add functionality to Notebook1 that will use the Fabric API to monitor the semantic model refreshes.You need to retrieve the registered application ID and secret from KeyVault1 to generate the authentication token.Solution: You use the following code segment:Use notebookutils.credentials.getSecret and specify the key vault URL and the name of a linked service.Does this meet the goal? Suggested Answer: B ðŸ—³ï¸•

A. Yes

B. No

Answer: B

Timestamp: April 8, 2025, 11:53 a.m.

View on ExamTopics

Exam DP-700 topic 1 question 42 discussion

Actual exam question from

Microsoft's DP-700

Question #: 42 Topic #: 1

[All DP-700 Questions]

DRAG DROP -You have two Fabric notebooks named Load_Salesperson and Load_Orders that read data from Parquet files in a lakehouse. Load_Salesperson writes to a Delta table named dim_salesperson. Load_Orders writes to a Delta table named fact_orders and is dependent on the successful execution of Load_Salesperson.You need to implement a pattern to dynamically execute Load_Salesperson and Load_Orders in the appropriate order by using a notebook.How should you complete the code? To answer, drag the appropriate values the correct targets. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.NOTE: Each correct selection is worth one point. Suggested Answer:

**Answer: **

Timestamp: April 8, 2025, noon

View on ExamTopics

Exam DP-700 topic 1 question 43 discussion

Actual exam question from

Microsoft's DP-700

Question #: 43 Topic #: 1

[All DP-700 Questions]

HOTSPOT -You have a Fabric workspace named Workspace1 that contains a warehouse named Warehouse2.A team of data analysts has Viewer role access to Workspace1.You create a table by running the following statement.You need to ensure that the team can view only the first two characters and the last four characters of the CreditCard attribute.How should you complete the statement? To answer, select the appropriate options in the answer area.NOTE: Each correct selection is worth one point. Suggested Answer:

**Answer: **

Timestamp: April 8, 2025, 12:04 p.m.

View on ExamTopics

Exam DP-700 topic 1 question 44 discussion

Actual exam question from

Microsoft's DP-700

Question #: 44 Topic #: 1

[All DP-700 Questions]

HOTSPOT -You are building a data orchestration pattern by using a Fabric data pipeline named Dynamic Data Copy as shown in the exhibit. (Click the Exhibit tab.)Dynamic Data Copy does NOT use parametrization.You need to configure the ForEach activity to receive the list of tables to be copied.How should you complete the pipeline expression? To answer, select the appropriate options in the answer area.NOTE: Each correct selection is worth one point. Suggested Answer:

**Answer: **

Timestamp: April 15, 2025, 6:23 p.m.

View on ExamTopics

Exam DP-700 topic 1 question 45 discussion

Actual exam question from

Microsoft's DP-700

Question #: 45 Topic #: 1

[All DP-700 Questions]

HOTSPOT -You have a Fabric workspace that contains a warehouse named Warehouse1. Warehouse1 contains a table named DimCustomers. DimCustomers contains the following columns:â€¢ CustomerNameâ€¢ CustomerIDâ€¢ BirthDateâ€¢ EmailAddressYou need to configure security to meet the following requirements:â€¢ BirthDate in DimCustomer must be masked and display 1900-01-01.â€¢ EmailAddress in DimCustomer must be masked and display only the first leading character and the last five characters.How should you complete the statement? To answer, select the appropriate options in the answer area.NOTE: Each correct selection is worth one point. Suggested Answer:

**Answer: **

Timestamp: April 8, 2025, 12:15 p.m.

View on ExamTopics

Exam DP-700 topic 1 question 46 discussion

Actual exam question from

Microsoft's DP-700

Question #: 46 Topic #: 1

[All DP-700 Questions]

You have a Fabric workspace named Workspace1 that contains the following items:â€¢ A Microsoft Power BI report named Report1â€¢ A Power BI dashboard named Dashboard1â€¢ A semantic model named Model1â€¢ A lakehouse name Lakehouse1Your company requires that specific governance processes be implemented for the items.Which items can you endorse in Fabric?
Suggested Answer: E ðŸ—³ï¸•

A. Lakehouse1, Model1, and Dashboard1 only

B. Lakehouse1, Model1, Report1 and Dashboard1

C. Report1 and Dashboard1 only

D. Model1, Report1, and Dashboard1 only

E. Lakehouse1, Model1, and Report1 only

Answer: E

Timestamp: April 8, 2025, 12:18 p.m.

View on ExamTopics

Exam DP-700 topic 1 question 47 discussion

Actual exam question from

Microsoft's DP-700

Question #: 47 Topic #: 1

[All DP-700 Questions]

You have a Fabric workspace named Workspace1.Your company acquires GitHub licenses.You need to configure source control for Workpace1 to use GitHub. The solution must follow the principle of least privilege.Which permissions do you require to ensure that you can commit code to GitHub?
Suggested Answer: C ðŸ—³ï¸•

A. Actions (Read and write) and Contents (Read and write)

B. Actions (Read and write) only

C. Contents (Read and write) only

D. Contents (Read) and Commit statuses (Read and write)

Answer: C

Timestamp: April 8, 2025, 1:57 p.m.

View on ExamTopics

Exam DP-700 topic 1 question 48 discussion

Actual exam question from

Microsoft's DP-700

Question #: 48 Topic #: 1

[All DP-700 Questions]

You have a Fabric workspace named Workspace1.You plan to configure Git integration for Workspace1 by using an Azure DevOps Git repository.An Azure DevOps admin creates the required artifacts to support the integration of Workspace1.Which details do you require to perform the integration? Suggested Answer: A ðŸ—³ï¸•

A. the organization, project, Git repository, and branch

B. the personal access token (PAT) for Git authentication and the Git repository URL

C. the project, Git repository, branch, and Git folder

D. the Git repository URL and the Git folder

Answer: A

Timestamp: April 8, 2025, 2:05 p.m.

View on ExamTopics

Exam DP-700 topic 1 question 49 discussion

Actual exam question from

Microsoft's DP-700

Question #: 49 Topic #: 1

[All DP-700 Questions]

You have a Fabric workspace that contains a lakehouse and a semantic model named Model1.You use a notebook named Notebook1 to ingest and transform data from an external data source.You need to execute Notebook1 as part of a data pipeline named Pipeline1. The process must meet the following requirements:â€¢ Run daily at 07:00 AM UTC.â€¢ Attempt to retry Notebook1 twice if the notebook fails.â€¢ After Notebook1 executes successfully, refresh Model1.Which three actions should you perform? Each correct answer presents part of the solution.NOTE: Each correct selection is worth one point. Suggested Answer: ABC ðŸ—³ï¸•

A. Place the Semantic model refresh activity after the Notebook activity and link the activities by using the On success condition.

B. From the Schedule settings of Pipeline1, set the time zone to UTC.

C. Set the Retry setting of the Notebook activity to 2.

D. From the Schedule settings of Notebook1, set the time zone to UTC.

E. Set the Retry setting of the Semantic model refresh activity to 2.

F. Place the Semantic model refresh activity after the Notebook activity and link the activities by using an On completion condition.

Answer: A

Timestamp: April 8, 2025, 2:07 p.m.

View on ExamTopics

Exam DP-700 topic 1 question 50 discussion

Actual exam question from

Microsoft's DP-700

Question #: 50 Topic #: 1

[All DP-700 Questions]

You have a Fabric workspace that contains a lakehouse named Lakehouse1.You plan to create a data pipeline named Pipeline1 to ingest data into Lakehouse1. You will use a parameter named param1 to pass an external value into Pipeline1. The param1 parameter has a data type of int.You need to ensure that the pipeline expression returns param1 as an int value.How should you specify the parameter value? Suggested Answer: A ðŸ—³ï¸•

A. "@pipeline().parameters.param1"

B. "@{pipeline().parameters.param1}"

C. "@{pipeline().parameters.[param1]}"

D. "@@{pipeline().parameters.param1}"

Answer: A

Timestamp: April 8, 2025, 2:15 p.m.

View on ExamTopics

Exam DP-700 topic 1 question 51 discussion

Actual exam question from

Microsoft's DP-700

Question #: 51 Topic #: 1

[All DP-700 Questions]

You have a Fabric workspace named Workspace1 that contains a lakehouse named Lakehouse1. Workspace1 contains the following items:â€¢ A Dataflow Gen2 dataflow that copies data from an on-premises Microsoft SQL Server database to Lakehouse1â€¢ A notebook that transforms files and loads the data to Lakehouse1â€¢ A data pipeline that loads a CSV file to Lakehouse1You need to develop an orchestration solution in Fabric that will load each item one after the other. The solution must be scheduled to run every 15 minutes.Which type of item should you use? Suggested Answer: D ðŸ—³ï¸•

A. notebook

B. warehouse

C. Dataflow Gen2 dataflow

D. data pipeline

Answer: D

Timestamp: April 8, 2025, 2:16 p.m.

View on ExamTopics

Exam DP-700 topic 1 question 52 discussion

Actual exam question from

Microsoft's DP-700

Question #: 52 Topic #: 1

[All DP-700 Questions]

You are building a Fabric notebook named MasterNotebook1 in a workspace. MasterNotebook1 contains the following code.You need to ensure that the notebooks are executed in the following sequence:1. Notebook_032. Notebook_013. Notebook_02Which two actions should you perform? Each correct answer presents part of the solution.NOTE: Each correct selection is worth one point. Suggested Answer: DF ðŸ—³ï¸•

A. Move the declaration of Notebook_02 to the bottom of the Directed Acyclic Graph (DAG) definition.

B. Add dependencies to the execution of Notebook_03.

C. Split the Directed Acyclic Graph (DAG) definition into three separate definitions.

D. Add dependencies to the execution of Notebook_02.

E. Change the concurrency to 3.

F. Move the declaration of Notebook_03 to the top of the Directed Acyclic Graph (DAG) definition.

Answer: D

Timestamp: April 8, 2025, 2:26 p.m.

View on ExamTopics

Exam DP-700 topic 1 question 53 discussion

Actual exam question from

Microsoft's DP-700

Question #: 53 Topic #: 1

[All DP-700 Questions]

You have a Fabric workspace that contains a data pipeline named Pipeline1 as shown in the exhibit. (Click the Exhibit tab.)What will occur the next time Pipeline1 runs? Suggested Answer: D ðŸ—³ï¸•

A. Copy_kdi will run first, and then Execute procedure1 will run.

B. Execute procedure1 will run first, and then Copy_kdi will run.

C. Execute procedure1 will run and Copy_kdi will be skipped.

D. Copy_kdi will run and Execute procedure1 will be skipped.

E. Both activities will run simultaneously.

F. Both activities will be skipped.

Answer: D

Timestamp: April 9, 2025, 5:26 a.m.

Exam DP-700 topic 1 question 54 discussion

Actual exam question from

Microsoft's DP-700

Question #: 54 Topic #: 1

[All DP-700 Questions]

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analysis on the effectiveness of different types of email content. It typically takes a week to manually compile and analyze the data. Contoso wants to reduce the time to less than one day by using Fabric.The data engineering team has successfully exported data from MAR1. The team experiences transient connectivity errors, which causes the data exports to fail.Requirements. Planned Changes -Contoso plans to create the following two lakehouses:â€¢ Lakehouse1: Will store both raw and cleansed data from the sourcesâ€¢ Lakehouse2: Will serve data in a dimensional model to users for analytical queriesAdditional items will be added to facilitate data ingestion and transformation.Contoso plans to use Azure Repos for source control in Fabric.Requirements. Technical RequirementsThe new lakehouses must follow a medallion architecture by using the following three layers: bronze, silver, and gold. There will be extensive data cleansing required to populate the MAR1 data in the silver layer, including deduplication, the handling of missing values, and the standardizing of capitalization.Each layer must be fully populated before moving on to the next layer. If any step in populating the lakehouses fails, an email must be sent to the data engineers.Data imports must run simultaneously, when possible.The use of email data from the Amazon S3 bucket must meet the following requirements:â€¢ Minimize egress costs associated with cross-cloud data access.â€¢ Prevent saving a copy of the raw data in the lakehouses.Items that relate to data ingestion must meet the following requirements:â€¢ The items must be source controlled alongside other workspace items.â€¢ Ingested data must land in the bronze layer of Lakehouse1 in the Delta format.â€¢ No changes other than changes to the file formats must be implemented before the data lands in the bronze layer.â€¢ Development effort must be minimized and a built-in connection must be used to import the source data.â€¢ In the event of a connectivity error, the ingestion processes must attempt the connection again.Lakehouses, data pipelines, and notebooks must be stored in WorkspaceA. Semantic models, reports, and dataflows must be stored in WorkspaceB.Once a week, old files that are no longer referenced by a Delta table log must be removed.Requirements. Data TransformationIn the POS1 product data, ProductID values are unique. The product dimension in the gold layer must include only active products from product list. Active products are identified by an IsActive value of 1.Some product categories and subcategories are NOT assigned to any product. They are NOT analytically relevant and must be omitted from the product dimension in the gold layer.Requirements. Data Security -Security in Fabric must meet the following requirements:â€¢ The data engineers must have read and write access to all the lakehouses, including the underlying files.â€¢ The data analysts must only have read access to the Delta tables in the gold layer.â€¢ The data analysts must NOT have access to the data in the bronze and silver layers.â€¢ The data engineers must be able to commit changes to source control in WorkspaceA.You need to ensure that WorkspaceA can be configured for source control.Which two actions should you perform? Each correct answer presents part of the solution.NOTE: Each correct selection is worth one point. Suggested Answer: AD ðŸ—³ï¸•

A. From Tenant setting, set Users can synchronize workspace items with their Git repositories to Enabled.

B. From Tenant setting, set Users can sync workspace items with GitHub repositories to Enabled.

C. Configure WorkspaceA to use a Premium Per User (PPU) license.

D. Assign WorkspaceA to Cap1.

Answer: A

Timestamp: April 9, 2025, 6:27 a.m.

Exam DP-700 topic 1 question 55 discussion

Actual exam question from

Microsoft's DP-700

Question #: 55 Topic #: 1

[All DP-700 Questions]

HOTSPOT -You have a Fabric workspace that contains a warehouse named Warehouse1. Warehouse1 contains a table named Customer. Customer contains the following data.You have an internal Microsoft Entra user named User1 that has an email address of [emailÂ protected].You need to provide User1 with access to the Customer table. The solution must prevent User1 from accessing the CreditCard column.How should you complete the statement? To answer, select the appropriate options in the answer area.NOTE: Each correct selection is worth one point. Suggested Answer:

**Answer: **

Timestamp: April 9, 2025, 6:48 a.m.

View on ExamTopics

Exam DP-700 topic 1 question 56 discussion

Actual exam question from

Microsoft's DP-700

Question #: 56 Topic #: 1

[All DP-700 Questions]

You have a Fabric deployment pipeline that uses three workspaces named Dev, Test, and Prod.You need to deploy an Eventhouse as part of the deployment process.What should you use to add the Eventhouse to the deployment process? Suggested Answer: B ðŸ—³ï¸•

A. an Azure DevOps pipeline

B. an eventstream

C. GitHub Actions

Answer: B

Timestamp: June 9, 2025, 2:19 p.m.

View on ExamTopics

Exam DP-700 topic 1 question 57 discussion

Actual exam question from

Microsoft's DP-700

Question #: 57 Topic #: 1

[All DP-700 Questions]

You have a Fabric warehouse named DW1. DW1 contains a table that stores sales data and is used by multiple sales representatives.You plan to implement row-level security (RLS).You need to ensure that the sales representatives can see only their respective data.Which warehouse object do you require to implement RLS? Suggested Answer: C ðŸ—³ï¸•

A. TRIGGER

B. SCHEMA

C. FUNCTION

D. DATABASE ROLE

Answer: C

Timestamp: June 9, 2025, 1:42 p.m.

View on ExamTopics

Exam DP-700 topic 1 question 58 discussion

Actual exam question from

Microsoft's DP-700

Question #: 58 Topic #: 1

[All DP-700 Questions]

You have a Fabric warehouse named DW1. DW1 contains a table that stores sales data and is used by multiple sales representatives.You plan to implement row-level security (RLS).You need to ensure that the sales representatives can see only their respective data.Which warehouse object do you require to implement RLS? Suggested Answer: A ðŸ—³ï¸•

A. SECURITY POLICY

B. TABLE

C. TRIGGER

D. STORED PROCEDURE

Answer: A

Timestamp: June 9, 2025, 1:43 p.m.

View on ExamTopics

Exam DP-700 topic 1 question 59 discussion

Actual exam question from

Microsoft's DP-700

Question #: 59 Topic #: 1

[All DP-700 Questions]

You have a Fabric F32 capacity that contains a workspace. The workspace contains a warehouse named DW1 that is modelled by using MD5 hash surrogate keys.DW1 contains a single fact table that has grown from 200 million rows to 500 million rows during the past year.You have Microsoft Power BI reports that are based on Direct Lake. The reports show year-over-year values.Users report that the performance of some of the reports has degraded over time and some visuals show errors.You need to resolve the performance issues. The solution must meet the following requirements:â€¢ Provide the best query performance.â€¢ Minimize operational costs.Which should you do? Suggested Answer: D ðŸ—³ï¸•

A. Create views.

B. Modify the surrogate keys to use a different data type.

C. Change the MD5 hash to SHA256.

D. Increase the capacity.

E. Disable V-Order on the warehouse.

Answer: D

Timestamp: June 9, 2025, 2:07 p.m.

View on ExamTopics

Exam DP-700 topic 1 question 60 discussion

Actual exam question from

Microsoft's DP-700

Question #: 60 Topic #: 1

[All DP-700 Questions]

You have a Fabric workspace named Workspace1 that contains a warehouse named Warehouse1.You plan to deploy Warehouse 1 to a new workspace named Workspace2.As part of the deployment process, you need to verify whether Warehouse1 contains invalid references. The solution must minimize development effort and provide detailed information about the invalid references.What should you use? Suggested Answer: B ðŸ—³ï¸•

A. a dbt project

B. a deployment pipeline

C. a Python script

D. a database project

Answer: B

Timestamp: June 9, 2025, 2:09 p.m.

View on ExamTopics

Exam DP-700 topic 2 question 1 discussion

Actual exam question from

Microsoft's DP-700

Question #: 1 Topic #: 2

[All DP-700 Questions]

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during the last month, the sales data has NOT been up-to-date when they arrive at work in the morning.Requirements. Planned Changes -Litware recently signed a contract to receive book reviews. The provider of the reviews exposes the data in Amazon Simple Storage Service (Amazon S3) buckets.Litware plans to manage Search Engine Optimization (SEO) for the authors. The SEO data will be streamed from a REST API.Requirements. Version Control -Litware plans to implement a version control solution in Fabric that will use GitHub integration and follow the principle of least privilege.Requirements. Governance RequirementsTo control data platform costs, the data platform must use only Fabric services and items. Additional Azure resources must NOT be provisioned.Requirements. Data Requirements -Litware identifies the following data requirements:Process the SEO data in near-real-time (NRT).Make the book reviews available in the lakehouse without making a copy of the data.When a new book cover image arrives in the Files folder, process the image as soon as possible.You need to implement the solution for the book reviews.Which should you do? Suggested Answer: B ðŸ—³ï¸•

A. Create a Dataflow Gen2 dataflow.

B. Create a shortcut.

C. Enable external data sharing.

D. Create a data pipeline.

Answer: B

Timestamp: Dec. 31, 2024, 9:55 a.m.

Exam DP-700 topic 2 question 2 discussion

Actual exam question from

Microsoft's DP-700

Question #: 2 Topic #: 2

[All DP-700 Questions]

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A. Spilt the dataflow into two dataflows.

B. Configure scheduled refresh for the dataflow.

C. Configure incremental refresh for the dataflow. Set Store rows from the past to 1Â Month.

D. Configure incremental refresh for the dataflow. Set Refresh rows from the past to 1Â Year.

E. Configure incremental refresh for the dataflow. Set Refresh rows from the past to 1Â Month.

Answer: E

Timestamp: Dec. 31, 2024, 10:11 a.m.

Exam DP-700 topic 2 question 3 discussion

Actual exam question from

Microsoft's DP-700

Question #: 3 Topic #: 2

[All DP-700 Questions]

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**Answer: **

Timestamp: Jan. 19, 2025, 4:40 p.m.

Exam DP-700 topic 2 question 4 discussion

Actual exam question from

Microsoft's DP-700

Question #: 4 Topic #: 2

[All DP-700 Questions]

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A. Create a workspace identity and enable high concurrency for the notebooks.

B. Create a shortcut and ensure that caching is disabled for the workspace.

C. Create a workspace identity and use the identity in a data pipeline.

D. Create a shortcut and ensure that caching is enabled for the workspace.

Answer: D

Timestamp: Dec. 31, 2024, 10:42 a.m.

Exam DP-700 topic 2 question 5 discussion

Actual exam question from

Microsoft's DP-700

Question #: 5 Topic #: 2

[All DP-700 Questions]

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**Answer: **

Timestamp: Jan. 16, 2025, 2:12 p.m.

Exam DP-700 topic 2 question 6 discussion

Actual exam question from

Microsoft's DP-700

Question #: 6 Topic #: 2

[All DP-700 Questions]

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A. ForEach

B. Copy data

C. WebHook

D. Stored procedure

Answer: A

Timestamp: Jan. 25, 2025, 6 a.m.

Exam DP-700 topic 2 question 7 discussion

Actual exam question from

Microsoft's DP-700

Question #: 7 Topic #: 2

[All DP-700 Questions]

HOTSPOT -You have a Fabric workspace that contains a warehouse named Warehouse1. Warehouse1 contains the following tables and columns.You need to denormalize the tables and include the ContractType and StartDate columns in the Employee table. The solution must meet the following requirements:Ensure that the StartDate column is of the date data type.Ensure that all the rows from the Employee table are preserved and include any matching rows from the Contract table.Ensure that the result set displays the total number of employees per contract type for all the contract types that have more than two employees.How should you complete the statement? To answer, select the appropriate options in the answer area.NOTE: Each correct selection is worth one point. Suggested Answer:

**Answer: **

Timestamp: Jan. 17, 2025, 9:23 a.m.

View on ExamTopics

Exam DP-700 topic 2 question 8 discussion

Actual exam question from

Microsoft's DP-700

Question #: 8 Topic #: 2

[All DP-700 Questions]

HOTSPOT -You have an Azure Event Hubs data source that contains weather data.You ingest the data from the data source by using an eventstream named Eventstream1. Eventstream1 uses a lakehouse as the destination.You need to batch ingest only rows from the data source where the City attribute has a value of Kansas. The filter must be added before the destination. The solution must minimize development effort.What should you use for the data processor and filtering? To answer, select the appropriate options in the answer area.NOTE: Each correct selection is worth one point. Suggested Answer:

**Answer: **

Timestamp: Jan. 25, 2025, 8:32 a.m.

View on ExamTopics

Exam DP-700 topic 2 question 9 discussion

Actual exam question from

Microsoft's DP-700

Question #: 9 Topic #: 2

[All DP-700 Questions]

You have a Fabric workspace that contains an eventstream named Eventstream1. Eventstream1 processes data from a thermal sensor by using event stream processing, and then stores the data in a lakehouse.You need to modify Eventstream1 to include the standard deviation of the temperature.Which transform operator should you include in the Eventstream1 logic? Suggested Answer: B ðŸ—³ï¸•

A. Expand

B. Group by

C. Union

D. Aggregate

Answer: B

Timestamp: Dec. 31, 2024, 6:36 p.m.

View on ExamTopics

Exam DP-700 topic 2 question 10 discussion

Actual exam question from

Microsoft's DP-700

Question #: 10 Topic #: 2

[All DP-700 Questions]

You have an Azure event hub. Each event contains the following fields:BikepointID -Street -Neighbourhood -Latitude -Longitude -No_Bikes -No_Empty_Docks -You need to ingest the events. The solution must only retain events that have a Neighbourhood value of Chelsea, and then store the retained events in a Fabric lakehouse.What should you use? Suggested Answer: B ðŸ—³ï¸•

A. a KQL queryset

B. an eventstream

C. a streaming dataset

D. Apache Spark Structured Streaming

Answer: B

Timestamp: Dec. 31, 2024, 8:04 p.m.

View on ExamTopics

Exam DP-700 topic 2 question 11 discussion

Actual exam question from

Microsoft's DP-700

Question #: 11 Topic #: 2

[All DP-700 Questions]

HOTSPOT -You are building a data loading pattern for Fabric notebook workloads.You have the following code segment:For each of the following statements, select Yes if the statement is true. Otherwise, select No.NOTE: Each correct selection is worth one point. Suggested Answer:

**Answer: **

Timestamp: Jan. 25, 2025, 9:27 a.m.

View on ExamTopics

Exam DP-700 topic 2 question 12 discussion

Actual exam question from

Microsoft's DP-700

Question #: 12 Topic #: 2

[All DP-700 Questions]

HOTSPOT -You have a Fabric workspace that contains two lakehouses named Lakehouse1 and Lakehouse2. Lakehouse1 contains staging data in a Delta table named Orderlines. Lakehouse2 contains a Type 2 slowly changing dimension (SCD) dimension table named Dim_Customer.You need to build a query that will combine data from Orderlines and Dim_Customer to create a new fact table named Fact_Orders. The new table must meet the following requirements:Enable the analysis of customer orders based on historical attributes.Enable the analysis of customer orders based on the current attributes.How should you complete the statement? To answer, select the appropriate options in the answer area.NOTE: Each correct selection is worth one point. Suggested Answer:

**Answer: **

Timestamp: Jan. 17, 2025, 12:23 p.m.

View on ExamTopics

Exam DP-700 topic 2 question 13 discussion

Actual exam question from

Microsoft's DP-700

Question #: 13 Topic #: 2

[All DP-700 Questions]

You have a Fabric workspace that contains a lakehouse named Lakehouse1.In an external data source, you have data files that are 500Â GB each. A new file is added every day.You need to ingest the data into Lakehouse1 without applying any transformations. The solution must meet the following requirementsTrigger the process when a new file is added.Provide the highest throughput.Which type of item should you use to ingest the data? Suggested Answer: D ðŸ—³ï¸•

A. Eventstream

B. Dataflow Gen2

C. Streaming dataset

D. Data pipeline

Answer: D

Timestamp: Dec. 13, 2024, 4:43 p.m.

View on ExamTopics

Exam DP-700 topic 2 question 14 discussion

Actual exam question from

Microsoft's DP-700

Question #: 14 Topic #: 2

[All DP-700 Questions]

You have a Fabric workspace that contains a lakehouse named Lakehouse1.In an external data source, you have data files that are 500Â GB each. A new file is added every day.You need to ingest the data into Lakehouse1 without applying any transformations. The solution must meet the following requirementsTrigger the process when a new file is added.Provide the highest throughput.Which type of item should you use to ingest the data? Suggested Answer: A ðŸ—³ï¸•

A. Data pipeline

B. Environment

C. KQL queryset

D. Dataflow Gen2

Answer: A

Timestamp: Jan. 26, 2025, 2:49 a.m.

View on ExamTopics

Exam DP-700 topic 2 question 15 discussion

Actual exam question from

Microsoft's DP-700

Question #: 15 Topic #: 2

[All DP-700 Questions]

You have a Fabric workspace that contains an eventhouse and a KQL database named Database1. Database1 has the following:A table named Table1 -A table named Table2 -An update policy named Policy1 -Policy1 sends data from Table1 to Table2.The following is a sample of the data in Table2.Recently, the following actions were performed on Table1:An additional element named temperature was added to the StreamData column.The data type of the Timestamp column was changed to date.The data type of the DeviceId column was changed to string.You plan to load additional records to Table2.Which two records will load from Table1 to Table2? Each correct answer presents a complete solution.NOTE: Each correct selection is worth one point. Suggested Answer: AD ðŸ—³ï¸•

A.

B.

C.

D.

Answer: A

Timestamp: Dec. 13, 2024, 7:26 p.m.

View on ExamTopics

Exam DP-700 topic 2 question 16 discussion

Actual exam question from

Microsoft's DP-700

Question #: 16 Topic #: 2

[All DP-700 Questions]

HOTSPOT -You have a Fabric workspace.You are debugging a statement and discover the following issues:Sometimes, the statement fails to return all the expected rows.The PurchaseDate output column is NOT in the expected format of mmm dd, yy.You need to resolve the issues. The solution must ensure that the data types of the results are retained. The results can contain blank cells.How should you complete the statement? To answer, select the appropriate options in the answer area.NOTE: Each correct selection is worth one point. Suggested Answer:

**Answer: **

Timestamp: Jan. 30, 2025, 7:48 a.m.

View on ExamTopics

Exam DP-700 topic 2 question 17 discussion

Actual exam question from

Microsoft's DP-700

Question #: 17 Topic #: 2

[All DP-700 Questions]

You are developing a data pipeline named Pipeline1.You need to add a Copy data activity that will copy data from a Snowflake data source to a Fabric warehouse.What should you configure?
Suggested Answer: C ðŸ—³ï¸•

A. Degree of copy parallelism

B. Fault tolerance

C. Enable staging

D. Enable logging

Answer: C

Timestamp: Jan. 3, 2025, 5:58 a.m.

View on ExamTopics

Exam DP-700 topic 2 question 18 discussion

Actual exam question from

Microsoft's DP-700

Question #: 18 Topic #: 2

[All DP-700 Questions]

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A. Yes

B. No

Answer: B

Timestamp: Jan. 1, 2025, 9:06 a.m.

View on ExamTopics

Exam DP-700 topic 2 question 19 discussion

Actual exam question from

Microsoft's DP-700

Question #: 19 Topic #: 2

[All DP-700 Questions]

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A. Yes

B. No

Answer: B

Timestamp: Jan. 1, 2025, 9:06 a.m.

View on ExamTopics

Exam DP-700 topic 2 question 20 discussion

Actual exam question from

Microsoft's DP-700

Question #: 20 Topic #: 2

[All DP-700 Questions]

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A. Yes

B. No

Answer: A

Timestamp: Jan. 1, 2025, 9:07 a.m.

Exam DP-700 topic 2 question 21 discussion

Actual exam question from

Microsoft's DP-700

Question #: 21 Topic #: 2

[All DP-700 Questions]

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A. Yes

B. No

Answer: B

Timestamp: Jan. 1, 2025, 9:09 a.m.

View on ExamTopics

Exam DP-700 topic 2 question 22 discussion

Actual exam question from

Microsoft's DP-700

Question #: 22 Topic #: 2

[All DP-700 Questions]

Case Study -This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.To start the case study -To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the Question button to return to the question.Overview -Litware, Inc. is a publishing company that has an online bookstore and several retail bookstores worldwide. Litware also manages an online advertising business for the authors it represents.Existing Environment. Fabric EnvironmentLitware has a Fabric workspace named Workspace1. High concurrency is enabled for Workspace1.The company has a data engineering team that uses Python for data processing.Existing Environment. Data ProcessingThe retail bookstores send sales data at the end of each business day, while the online bookstore constantly provides logs and sales data to a central enterprise resource planning (ERP) system.Litware implements a medallion architecture by using the following three layers: bronze, silver, and gold. The sales data is ingested from the ERP system as Parquet files that land in the Files folder in a lakehouse. Notebooks are used to transform the files in a Delta table for the bronze and silver layers. The gold layer is in a warehouse that has V-Order disabled.Litware has image files of book covers in Azure Blob Storage. The files are loaded into the Files folder.Existing Environment. Sales DataMonth-end sales data is processed on the first calendar day of each month. Data that is older than one month never changes.In the source system, the sales data refreshes every six hours starting at midnight each day.The sales data is captured in a Dataflow Gen1 dataflow. When the dataflow runs, new and historical data is captured. The dataflow captures the following fields of the source:â€¢ Sales Dateâ€¢ Authorâ€¢ Priceâ€¢ Unitsâ€¢ SKUA table named AuthorSales stores the sales data that relates to each author. The table contains a column named AuthorEmail. Authors authenticate to a guest Fabric tenant by using their email address.Existing Environment. Security GroupsLitware has the following security groups:â€¢ Salesâ€¢ Fabric Adminsâ€¢ Streaming AdminsExisting Environment. Performance IssuesBusiness users perform ad-hoc queries against the warehouse. The business users indicate that reports against the warehouse sometimes run for two hours and fail to load as expected. Upon further investigation, the data engineering team receives the following error message when the reports fail to load: â€œThe SQL query failed while running.â€•The data engineering team wants to debug the issue and find queries that cause more than one failure.When the authors have new book releases, there is often an increase in sales activity. This increase slows the data ingestion process.The

companyâ€™s sales team reports that during the last month, the sales data has NOT been up-to-date when they arrive at work in the morning.Requirements. Planned Changes -Litware recently signed a contract to receive book reviews. The provider of the reviews exposes the data in Amazon Simple Storage Service (Amazon S3) buckets.Litware plans to manage Search Engine Optimization (SEO) for the authors. The SEO data will be streamed from a REST API.Requirements. Version Control -Litware plans to implement a version control solution in Fabric that will use GitHub integration and follow the principle of least privilege.Requirements. Governance RequirementsTo control data platform costs, the data platform must use only Fabric services and items. Additional Azure resources must NOT be provisioned.Requirements. Data Requirements -Litware identifies the following data requirements:â€¢ Process the SEO data in near-real-time (NRT).â€¢ Make the book reviews available in the lakehouse without making a copy of the data.â€¢ When a new book cover image arrives in the Files folder, process the image as soon as possible.You need to create a workflow for the new book cover images.Which two components should you include in the workflow? Each correct answer presents part of the solution.NOTE: Each correct selection is worth one point. Suggested Answer: DF ðŸ—³ï¸•

A. a time-based schedule

B. a streaming dataflow

C. a blob storage action

D. a data pipeline

E. a notebook that uses Apache Spark Structured Streaming

F. a reflex item

Answer: D

Timestamp: April 9, 2025, 8:38 p.m.

Exam DP-700 topic 2 question 23 discussion

Actual exam question from

Microsoft's DP-700

Question #: 23 Topic #: 2

[All DP-700 Questions]

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Suggested Answer: D ðŸ—³ï¸•

A. a streaming dataflow

B. a streaming dataset

C. a notebook that uses Apache Spark Structured Streaming

D. an eventstream

Answer: D

Timestamp: April 11, 2025, 7:45 p.m.

Exam DP-700 topic 2 question 24 discussion

Actual exam question from

Microsoft's DP-700

Question #: 24 Topic #: 2

[All DP-700 Questions]

HOTSPOT -You have a Fabric warehouse named DW1 that contains four staging tables named ProductCategory, ProductSubcategory, Product, and SalesOrder. ProductCategory, ProductSubcategory, and Product are used often in analytical queries.You need to implement a star schema for DW1. The solution must minimize development effort.Which design approach should you use? To answer, select the appropriate options in the answer area.NOTE: Each correct selection is worth one point. Suggested Answer:

**Answer: **

Timestamp: April 10, 2025, 12:48 a.m.

View on ExamTopics

Exam DP-700 topic 2 question 25 discussion

Actual exam question from

Microsoft's DP-700

Question #: 25 Topic #: 2

[All DP-700 Questions]

HOTSPOT -Your company has three newly created data engineering teams named Team1, Team2, and Team3 that plan to use Fabric. The teams have the following personas:â€¢ Team1 consists of members who currently use Microsoft Power BI. The team wants to transform data by using by a low-code approach.â€¢ Team2 consists of members that have a background in Python programming. The team wants to use PySpark code to transform data.â€¢ Team3 consists of members who currently use Azure Data Factory. The team wants to move data between source and sink environments by using the least amount of effort.You need to recommend tools for the teams based on their current personas.What should you recommend for each team? To answer, select the appropriate options in the answer area.NOTE: Each correct selection is worth one point. Suggested Answer:

**Answer: **

Timestamp: April 9, 2025, 12:35 p.m.

View on ExamTopics

Exam DP-700 topic 2 question 26 discussion

Actual exam question from

Microsoft's DP-700

Question #: 26 Topic #: 2

[All DP-700 Questions]

HOTSPOT -You plan to process the following three datasets by using Fabric:Dataset1: This dataset will be added to Fabric and will have a unique primary key between the source and the destination. The unique primary key will be an integer and will start from 1 and have an increment of 1.Dataset2: This dataset contains semi-structured data that uses bulk data transfer. The dataset must be handled in one process between the source and the destination. The data transformation process will include the use of custom visuals to understand and work with the dataset in development mode.Dataset3: This dataset is in a lakehouse. The data will be bulk loaded. The data transformation process will include row-based windowing functions during the loading process.You need to identify which type of item to use for the datasets. The solution must minimize development effort and use built-in functionality, when possible.What should you identify for each dataset? To answer, select the appropriate options in the answer area.NOTE: Each correct selection is worth one point. Suggested Answer:

**Answer: **

Timestamp: April 10, 2025, 5:03 p.m.

Exam DP-700 topic 2 question 27 discussion

Actual exam question from

Microsoft's DP-700

Question #: 27 Topic #: 2

[All DP-700 Questions]

HOTSPOT -You have a Fabric workspace that contains a lakehouse named Lakehouse1. Lakehouse1 contains a table named Status_Target that has the following columns:â€¢ Keyâ€¢ Statusâ€¢ LastModifiedThe data source contains a table named Status_Source that has the same columns as Status_Target. Status_Source is used to populate Status_Target.In a notebook name Notebook1, you load Status_Source to a DataFrame named sourceDF and Status_Target to a DataFrame named targetDF.You need to implement an incremental loading pattern by using Notebook1. The solution must meet the following requirements:â€¢ For all the matching records that have the same value of key, update the value of LastModified in Status_Target to the value of LastModified in Status_Source.â€¢ Insert all the records that exist in Status_Source that do NOT exist in Status_Target.â€¢ Set the value of Status in Status_Target to inactive for all the records that were last modified more than seven days ago and that do NOT exist in Status_Source.How should you complete the statement? To answer, select the appropriate options in the answer area.NOTE: Each correct selection is worth one point. Suggested Answer:

**Answer: **

Timestamp: April 18, 2025, 7:46 p.m.

View on ExamTopics

Exam DP-700 topic 2 question 28 discussion

Actual exam question from

Microsoft's DP-700

Question #: 28 Topic #: 2

[All DP-700 Questions]

DRAG DROP -You are building a data loading pattern by using a Fabric data pipeline. The source is an Azure SQL database that contains 25 tables. The destination is a lakehouse.In a warehouse, you create a control table named Control.Object as shown in the exhibit. (Click the Exhibit tab.)You need to build a data pipeline that will support the dynamic ingestion of the tables listed in the control table by using a single execution.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. Suggested Answer:

**Answer: **

Timestamp: April 18, 2025, 1:49 p.m.

Exam DP-700 topic 2 question 29 discussion

Actual exam question from

Microsoft's DP-700

Question #: 29 Topic #: 2

[All DP-700 Questions]

You are implementing a medallion architecture in a Fabric lakehouse.You plan to create a dimension table that will contain the following columns:â€¢ IDâ€¢ CustomerCodeâ€¢ CustomerNameâ€¢ CustomerAddressâ€¢ CustomerLocationâ€¢ ValidFromâ€¢ ValidToYou need to ensure that the table supports the analysis of historical sales data by customer location at the time of each sale.Which type of slowly changing dimension (SCD) should you use? Suggested Answer: A ðŸ—³ï¸•

A. Type 2

B. Type 0

C. Type 1

D. Type 3

Answer: A

Timestamp: April 9, 2025, 1:14 p.m.

View on ExamTopics

Exam DP-700 topic 2 question 30 discussion

Actual exam question from

Microsoft's DP-700

Question #: 30 Topic #: 2

[All DP-700 Questions]

You have a Fabric workspace that contains an eventstream named EventStream1. EventStream1 outputs events to a table named Table1 in a lakehouse. The streaming data is sourced from motorway sensors and represents the speed of cars.You need to add a transformation to EventStream1 to average the car speeds. The speeds must be grouped by non-overlapping and contiguous time intervals of one minute. Each event must belong to exactly one window.Which windowing function should you use? Suggested Answer: C ðŸ—³ï¸•

A. sliding

B. hopping

C. tumbling

D. session

Answer: C

Timestamp: April 9, 2025, 1:18 p.m.

View on ExamTopics

Exam DP-700 topic 2 question 31 discussion

Actual exam question from

Microsoft's DP-700

Question #: 31 Topic #: 2

[All DP-700 Questions]

HOTSPOT -You have a table in a Fabric lakehouse that contains the following data.You have a notebook that contains the following code segment.For each of the following statements, select Yes if the statement is true. Otherwise, select No.NOTE: Each correct selection is worth one point.
Suggested Answer:

**Answer: **

Timestamp: April 9, 2025, 1:23 p.m.

View on ExamTopics

Exam DP-700 topic 2 question 32 discussion

Actual exam question from

Microsoft's DP-700

Question #: 32 Topic #: 2

[All DP-700 Questions]

DRAG DROP -You have a Fabric workspace that contains an eventhouse named Eventhouse1.In Eventhouse1, you plan to create a table named DeviceStreamData in a KQL database. The table will contain data based on the following sample.You need to use a KQL query to develop the solution for Eventhouse1.Which three code segments should you run in sequence? To answer, move the appropriate code segments from the list of code segments to the answer area and arrange them in the correct order. Suggested Answer:

**Answer: **

Timestamp: April 9, 2025, 1:25 p.m.

View on ExamTopics

Exam DP-700 topic 2 question 33 discussion

Actual exam question from

Microsoft's DP-700

Question #: 33 Topic #: 2

[All DP-700 Questions]

You have a Fabric workspace that contains a warehouse named Warehouse1.You have an on-premises Microsoft SQL Server database named Database1 that is accessed by using an on-premises data gateway.You need to copy data from Database1 to Warehouse1.Which item should you use? Suggested Answer: A ðŸ—³ï¸•

A. a data pipeline

B. an Apache Spark job definition

C. a streaming dataflow

D. a notebook

Answer: A

Timestamp: April 9, 2025, 1:32 p.m.

View on ExamTopics

Exam DP-700 topic 2 question 34 discussion

Actual exam question from

Microsoft's DP-700

Question #: 34 Topic #: 2

[All DP-700 Questions]

You have a Fabric warehouse named DW1 that contains a Type 2 slowly changing dimension (SCD) dimension table named DimCustomer. DimCustomer contains 100 columns and 20 million rows. The columns are of various data types, including int, varchar, date, and varbinary.You need to identify incoming changes to the table and update the records when there is a change. The solution must minimize resource consumption.What should you use to identify changes to attributes?
Suggested Answer: A ðŸ—³ï¸•

A. a hash function to compare the attributes in the source table.

B. a direct attributes comparison across the attributes in the DimCustomer table.

C. a direct attributes comparison for the attributes in the source table.

D. a hash function to compare the attributes in the DimCustomer table.

Answer: A

Timestamp: April 10, 2025, 2:21 a.m.

View on ExamTopics

Exam DP-700 topic 2 question 35 discussion

Actual exam question from

Microsoft's DP-700

Question #: 35 Topic #: 2

[All DP-700 Questions]

You have an Azure SQL database named DB1.In a Fabric workspace, you deploy an eventstream named EventStreamDB1 to stream record changes from DB1 into a lakehouse.You discover that events are NOT being propagated to EventStreamDB1.You need to ensure that the events are propagated to EventStreamDB1.What should you do? Suggested Answer: D ðŸ—³ï¸•

A. Create a read-only replica of DB1.

B. Create an Azure Stream Analytics job.

C. Enable Extended Events for DB1.

D. Enable change data capture (CDC) for DB1.

Answer: D

Timestamp: April 20, 2025, 4:40 a.m.

View on ExamTopics

Exam DP-700 topic 2 question 36 discussion

Actual exam question from

Microsoft's DP-700

Question #: 36 Topic #: 2

[All DP-700 Questions]

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analysis on the effectiveness of different types of email content. It typically takes a week to manually compile and analyze the data. Contoso wants to reduce the time to less than one day by using Fabric.The data engineering team has successfully exported data from MAR1. The team experiences transient connectivity errors, which causes the data exports to fail.Requirements. Planned Changes -Contoso plans to create the following two lakehouses:â€¢ Lakehouse1: Will store both raw and cleansed data from the sourcesâ€¢ Lakehouse2: Will serve data in a dimensional model to users for analytical queriesAdditional items will be added to facilitate data ingestion and transformation.Contoso plans to use Azure Repos for source control in Fabric.Requirements. Technical RequirementsThe new lakehouses must follow a medallion architecture by using the following three layers: bronze, silver, and gold. There will be extensive data cleansing required to populate the MAR1 data in the silver layer, including deduplication, the handling of missing values, and the standardizing of capitalization.Each layer must be fully populated before moving on to the next layer. If any step in populating the lakehouses fails, an email must be sent to the data engineers.Data imports must run simultaneously, when possible.The use of email data from the Amazon S3 bucket must meet the following requirements:â€¢ Minimize egress costs associated with cross-cloud data access.â€¢ Prevent saving a copy of the raw data in the lakehouses.Items that relate to data ingestion must meet the following requirements:â€¢ The items must be source controlled alongside other workspace items.â€¢ Ingested data must land in the bronze layer of Lakehouse1 in the Delta format.â€¢ No changes other than changes to the file formats must be implemented before the data lands in the bronze layer.â€¢ Development effort must be minimized and a built-in connection must be used to import the source data.â€¢ In the event of a connectivity error, the ingestion processes must attempt the connection again.Lakehouses, data pipelines, and notebooks must be stored in WorkspaceA. Semantic models, reports, and dataflows must be stored in WorkspaceB.Once a week, old files that are no longer referenced by a Delta table log must be removed.Requirements. Data TransformationIn the POS1 product data, ProductID values are unique. The product dimension in the gold layer must include only active products from product list. Active products are identified by an IsActive value of 1.Some product categories and subcategories are NOT assigned to any product. They are NOT analytically relevant and must be omitted from the product dimension in the gold layer.Requirements. Data Security -Security in Fabric must meet the following requirements:â€¢ The data engineers must have read and write access to all the lakehouses, including the underlying files.â€¢ The data analysts must only have read access to the Delta tables in the gold layer.â€¢ The data analysts must NOT have access to the data in the bronze and silver layers.â€¢ The data engineers must be able to commit changes to source control in WorkspaceA.You need to recommend a solution to resolve the MAR1 connectivity issues. The solution must minimize development effort.What should you recommend? Suggested Answer: B ðŸ—³ï¸•

A. Add a ForEach activity to the data pipeline.

B. Configure retries for the Copy data activity.

C. Call a notebook from the data pipeline.

D. Configure Fault tolerance for the Copy data activity.

Answer: B

Timestamp: April 12, 2025, 9:35 p.m.

Exam DP-700 topic 2 question 37 discussion

Actual exam question from

Microsoft's DP-700

Question #: 37 Topic #: 2

[All DP-700 Questions]

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analysis on the effectiveness of different types of email content. It typically takes a week to manually compile and analyze the data. Contoso wants to reduce the time to less than one day by using Fabric.The data engineering team has successfully exported data from MAR1. The team experiences transient connectivity errors, which causes the data exports to fail.Requirements. Planned Changes -Contoso plans to create the following two lakehouses:â€¢ Lakehouse1: Will store both raw and cleansed data from the sourcesâ€¢ Lakehouse2: Will serve data in a dimensional model to users for analytical queriesAdditional items will be added to facilitate data ingestion and transformation.Contoso plans to use Azure Repos for source control in Fabric.Requirements. Technical RequirementsThe new lakehouses must follow a medallion architecture by using the following three layers: bronze, silver, and gold. There will be extensive data cleansing required to populate the MAR1 data in the silver layer, including deduplication, the handling of missing values, and the standardizing of capitalization.Each layer must be fully populated before moving on to the next layer. If any step in populating the lakehouses fails, an email must be sent to the data engineers.Data imports must run simultaneously, when possible.The use of email data from the Amazon S3 bucket must meet the following requirements:â€¢ Minimize egress costs associated with cross-cloud data access.â€¢ Prevent saving a copy of the raw data in the lakehouses.Items that relate to data ingestion must meet the following requirements:â€¢ The items must be source controlled alongside other workspace items.â€¢ Ingested data must land in the bronze layer of Lakehouse1 in the Delta format.â€¢ No changes other than changes to the file formats must be implemented before the data lands in the bronze layer.â€¢ Development effort must be minimized and a built-in connection must be used to import the source data.â€¢ In the event of a connectivity error, the ingestion processes must attempt the connection again.Lakehouses, data pipelines, and notebooks must be stored in WorkspaceA. Semantic models, reports, and dataflows must be stored in WorkspaceB.Once a week, old files that are no longer referenced by a Delta table log must be removed.Requirements. Data TransformationIn the POS1 product data, ProductID values are unique. The product dimension in the gold layer must include only active products from product list. Active products are identified by an IsActive value of 1.Some product categories and subcategories are NOT assigned to any product. They are NOT analytically relevant and must be omitted from the product dimension in the gold layer.Requirements. Data Security -Security in Fabric must meet the following requirements:â€¢ The data engineers must have read and write access to all the lakehouses, including the underlying files.â€¢ The data analysts must only have read access to the Delta tables in the gold layer.â€¢ The data analysts must NOT have access to the data in the bronze and silver layers.â€¢ The data engineers must be able to commit changes to source control in WorkspaceA.You need to recommend a solution for handling old files. The solution must meet the technical requirements.What should you include in the recommendation? Suggested Answer: C ðŸ—³ï¸•

A. a data pipeline that includes a Copy data activity

B. a data pipeline that includes a Delete data activity

C. a notebook that runs the VACUUM command

D. a notebook that runs the OPTIMIZE command

Answer: C

Timestamp: April 20, 2025, 4:04 a.m.

Exam DP-700 topic 2 question 38 discussion

Actual exam question from

Microsoft's DP-700

Question #: 38 Topic #: 2

[All DP-700 Questions]

DRAG DROP -You have a KQL database that contains a table named Readings.You need to build a KQL query to compare the MeterReading value of each row to the previous row base on the Timestamp value.A sample of the expected output is shown in the following table.How should you complete the query? To answer, drag the appropriate values the correct targets. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.NOTE: Each correct selection is worth one point. Suggested Answer:

**Answer: **

Timestamp: April 20, 2025, 4:45 a.m.

View on ExamTopics

Exam DP-700 topic 2 question 39 discussion

Actual exam question from

Microsoft's DP-700

Question #: 39 Topic #: 2

[All DP-700 Questions]

HOTSPOT -You need to recommend a Fabric streaming solution that will use the sources shown in the following table.The solution must minimize development effort.What should you include in the recommendation for each source? To answer, select the appropriate options in the answer area.NOTE: Each correct selection is worth one point. Suggested Answer:

**Answer: **

Timestamp: April 10, 2025, 3:49 a.m.

View on ExamTopics

Exam DP-700 topic 2 question 40 discussion

Actual exam question from

Microsoft's DP-700

Question #: 40 Topic #: 2

[All DP-700 Questions]

HOTSPOT -You are building a data loading pattern for Fabric notebook workloads.You have the following code segment.For each of the following statements, select Yes if the statement is true. Otherwise, select No.NOTE: Each correct selection is worth one point. Suggested Answer:

**Answer: **

Timestamp: June 7, 2025, 10:15 p.m.

View on ExamTopics

Exam DP-700 topic 2 question 41 discussion

Actual exam question from

Microsoft's DP-700

Question #: 41 Topic #: 2

[All DP-700 Questions]

You have an Azure event hub. Each event contains the following fields:â€¢ BikepointIDâ€¢ Streetâ€¢ Neighbourhoodâ€¢ Latitudeâ€¢ Longitudeâ€¢ No_Bikesâ€¢ No_Empty_DocksYou need to ingest the events. The solution must only retain events that have a Neighbourhood value of Chelsea, and then store the retained events in a Fabric lakehouse.Data retention in case of failure is required to be two days.What should you use? Suggested Answer: A ðŸ—³ï¸•

A. an eventstream

B. Apache Spark Structured Streaming

C. a streaming dataset

D. a KQL queryset

Answer: A

Timestamp: June 7, 2025, 5:34 a.m.

View on ExamTopics

Exam DP-700 topic 2 question 42 discussion

Actual exam question from

Microsoft's DP-700

Question #: 42 Topic #: 2

[All DP-700 Questions]

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companyâ€™s sales team reports that during the last month, the sales data has NOT been up-to-date when they arrive at work in the morning.Requirements. Planned Changes -Litware recently signed a contract to receive book reviews. The provider of the reviews exposes the data in Amazon Simple Storage Service (Amazon S3) buckets.Litware plans to manage Search Engine Optimization (SEO) for the authors. The SEO data will be streamed from a REST API.Requirements. Version Control -Litware plans to implement a version control solution in Fabric that will use GitHub integration and follow the principle of least privilege.Requirements. Governance RequirementsTo control data platform costs, the data platform must use only Fabric services and items. Additional Azure resources must NOT be provisioned.Requirements. Data Requirements -Litware identifies the following data requirements:â€¢ Process the SEO data in near-real-time (NRT).â€¢ Make the book reviews available in the lakehouse without making a copy of the data.â€¢ When a new book cover image arrives in the Files folder, process the image as soon as possible.You need to create a workflow for the new book cover images.Which two components should you include in the workflow? Each correct answer presents part of the solution.NOTE: Each correct selection is worth one point. Suggested Answer: AB ðŸ—³ï¸•

A. an activator item

B. a data pipeline

C. a blob storage action

D. a time-based schedule

E. a streaming dataflow

F. a notebook that uses Apache Spark Structured Streaming

Answer: A

Timestamp: June 7, 2025, 5:37 a.m.

Exam DP-700 topic 3 question 1 discussion

Actual exam question from

Microsoft's DP-700

Question #: 1 Topic #: 3

[All DP-700 Questions]

HOTSPOT -Case Study -This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.To start the case study -To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the Question button to return to the question.Overview -Litware, Inc. is a publishing company that has an online bookstore and several retail bookstores worldwide. Litware also manages an online advertising business for the authors it represents.Existing Environment. Fabric EnvironmentLitware has a Fabric workspace named Workspace1. High concurrency is enabled for Workspace1.The company has a data engineering team that uses Python for data processing.Existing Environment. Data ProcessingThe retail bookstores send sales data at the end of each business day, while the online bookstore constantly provides logs and sales data to a central enterprise resource planning (ERP) system.Litware implements a medallion architecture by using the following three layers: bronze, silver, and gold. The sales data is ingested from the ERP system as Parquet files that land in the Files folder in a lakehouse. Notebooks are used to transform the files in a Delta table for the bronze and silver layers. The gold layer is in a warehouse that has V-Order disabled.Litware has image files of book covers in Azure Blob Storage. The files are loaded into the Files folder.Existing Environment. Sales DataMonth-end sales data is processed on the first calendar day of each month. Data that is older than one month never changes.In the source system, the sales data refreshes every six hours starting at midnight each day.The sales data is captured in a Dataflow Gen1 dataflow. When the dataflow runs, new and historical data is captured. The dataflow captures the following fields of the source:Sales Date -Author -Price -Units -SKU -A table named AuthorSales stores the sales data that relates to each author. The table contains a column named AuthorEmail. Authors authenticate to a guest Fabric tenant by using their email address.Existing Environment. Security GroupsLitware has the following security groups:Sales -Fabric Admins -Streaming Admins -Existing Environment. Performance IssuesBusiness users perform ad-hoc queries against the warehouse. The business users indicate that reports against the warehouse sometimes run for two hours and fail to load as expected. Upon further investigation, the data engineering team receives the following error message when the reports fail to load: â€œThe SQL query failed while running.â€•The data engineering team wants to debug the issue and find queries that cause more than one failure.When the authors have new book releases, there is often an increase in sales activity. This increase slows the data ingestion process.The companyâ€™s sales team reports that

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**Answer: **

Timestamp: Jan. 16, 2025, 2:17 p.m.

Exam DP-700 topic 3 question 2 discussion

Actual exam question from

Microsoft's DP-700

Question #: 2 Topic #: 3

[All DP-700 Questions]

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A. Schedule a data pipeline that calls other data pipelines.

B. Schedule a notebook.

C. Schedule an Apache Spark job.

D. Schedule multiple data pipelines.

Answer: A

Timestamp: Jan. 1, 2025, 9:31 a.m.

Exam DP-700 topic 3 question 3 discussion

Actual exam question from

Microsoft's DP-700

Question #: 3 Topic #: 3

[All DP-700 Questions]

DRAG DROP -You have a Fabric eventhouse that contains a KQL database. The database contains a table named TaxiData. The following is a sample of the data in TaxiData.You need to build two KQL queries. The solution must meet the following requirements:One of the queries must partition RunningTotalAmount by VendorID.The other query must create a column named FirstPickupDateTime that shows the first value of each hour from tpep_pickup_datetime partitioned by payment_type.How should you complete each query? To answer, drag the appropriate values the correct targets. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.NOTE: Each correct selection is worth one point. Suggested Answer:

**Answer: **

Timestamp: Jan. 30, 2025, 8:31 a.m.

Exam DP-700 topic 3 question 4 discussion

Actual exam question from

Microsoft's DP-700

Question #: 4 Topic #: 3

[All DP-700 Questions]

HOTSPOT -You are processing streaming data from an external data provider.You have the following code segment.For each of the following statements, select Yes if the statement is true. Otherwise, select No.NOTE: Each correct selection is worth one point. Suggested Answer:

**Answer: **

Timestamp: Jan. 16, 2025, 1:29 p.m.

View on ExamTopics

Exam DP-700 topic 3 question 5 discussion

Actual exam question from

Microsoft's DP-700

Question #: 5 Topic #: 3

[All DP-700 Questions]

You have a Fabric workspace that contains a lakehouse named Lakehouse1. Lakehouse1 contains a Delta table named Table1.You analyze Table1 and discover that Table1 contains 2,000 Parquet files of 1Â MB each.You need to minimize how long it takes to query Table1.What should you do? Suggested Answer: C ðŸ—³ï¸•

A. Disable V-Order and run the OPTIMIZE command.

B. Disable V-Order and run the VACUUM command.

C. Run the OPTIMIZE and VACUUM commands.

Answer: C

Timestamp: Jan. 1, 2025, 7:15 p.m.

View on ExamTopics

Exam DP-700 topic 3 question 6 discussion

Actual exam question from

Microsoft's DP-700

Question #: 6 Topic #: 3

[All DP-700 Questions]

You have a Fabric workspace that contains a warehouse named Warehouse1. Data is loaded daily into Warehouse1 by using data pipelines and stored procedures.You discover that the daily data load takes longer than expected.You need to monitor Warehouse1 to identify the names of users that are actively running queries.Which view should you use? Suggested Answer: E ðŸ—³ï¸•

A. sys.dm_exec_connections

B. sys.dm_exec_requests

C. queryinsights.long_running_queries

D. queryinsights.frequently_run_queries

E. sys.dm_exec_sessions

Answer: E

Timestamp: Jan. 1, 2025, 7:17 p.m.

View on ExamTopics

Exam DP-700 topic 3 question 7 discussion

Actual exam question from

Microsoft's DP-700

Question #: 7 Topic #: 3

[All DP-700 Questions]

You have a Fabric workspace that contains an eventstream named EventStream1. EventStream1 outputs events to a table in a lakehouse.You need to remove files that are older than seven days and are no longer in use.Which command should you run? Suggested Answer: A ðŸ—³ï¸•

A. VACUUM

B. COMPUTE

C. OPTIMIZE

D. CLONE

Answer: A

Timestamp: Jan. 1, 2025, 7:19 p.m.

View on ExamTopics

Exam DP-700 topic 3 question 8 discussion

Actual exam question from

Microsoft's DP-700

Question #: 8 Topic #: 3

[All DP-700 Questions]

You have a Fabric warehouse named DW1 that loads data by using a data pipeline named Pipeline1. Pipeline1 uses a Copy data activity with a dynamic SQL source. Pipeline1 is scheduled to run every 15Â minutes.You discover that Pipeline1 keeps failing.You need to identify which SQL query was executed when the pipeline failed.What should you do? Suggested Answer: B ðŸ—³ï¸•

A. From Monitoring hub, select the latest failed run of Pipeline1, and then view the output JSON.

B. From Monitoring hub, select the latest failed run of Pipeline1, and then view the input JSON.

C. From Real-time hub, select Fabric events, and then review the details of Microsoft.Fabric.ItemReadFailed.

D. From Real-time hub, select Fabric events, and then review the details of Microsoft.Fabric.ItemUpdateFailed.

Answer: B

Timestamp: Jan. 1, 2025, 7:25 p.m.

View on ExamTopics

Exam DP-700 topic 3 question 9 discussion

Actual exam question from

Microsoft's DP-700

Question #: 9 Topic #: 3

[All DP-700 Questions]

You have a Fabric notebook named Notebook1 that has been executing successfully for the last week.During the last run, Notebook1executed nine jobs.You need to view the jobs in a timeline chart.What should you use? Suggested Answer: E ðŸ—³ï¸•

A. Real-Time hub

B. Monitoring hub

C. the job history from the application run

D. Spark History Server

E. the run series from the details of the application run

Answer: E

Timestamp: Jan. 1, 2025, 7:31 p.m.

View on ExamTopics

Exam DP-700 topic 3 question 10 discussion

Actual exam question from

Microsoft's DP-700

Question #: 10 Topic #: 3

[All DP-700 Questions]

HOTSPOT -You have a Fabric workspace that contains an eventstream named EventStream1.You discover that an EventStream1 transformation fails.You need to find the following error information:The error details, including the occurrence timeThe total number of errors -What should you use? To answer, select the appropriate options in the answer area.NOTE: Each correct selection is worth one point. Suggested Answer:

**Answer: **

Timestamp: Jan. 30, 2025, 9 a.m.

View on ExamTopics

Exam DP-700 topic 3 question 11 discussion

Actual exam question from

Microsoft's DP-700

Question #: 11 Topic #: 3

[All DP-700 Questions]

Case Study -This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.To start the case study -To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the Question button to return to the question.Overview -Litware, Inc. is a publishing company that has an online bookstore and several retail bookstores worldwide. Litware also manages an online advertising business for the authors it represents.Existing Environment. Fabric EnvironmentLitware has a Fabric workspace named Workspace1. High concurrency is enabled for Workspace1.The company has a data engineering team that uses Python for data processing.Existing Environment. Data ProcessingThe retail bookstores send sales data at the end of each business day, while the online bookstore constantly provides logs and sales data to a central enterprise resource planning (ERP) system.Litware implements a medallion architecture by using the following three layers: bronze, silver, and gold. The sales data is ingested from the ERP system as Parquet files that land in the Files folder in a lakehouse. Notebooks are used to transform the files in a Delta table for the bronze and silver layers. The gold layer is in a warehouse that has V-Order disabled.Litware has image files of book covers in Azure Blob Storage. The files are loaded into the Files folder.Existing Environment. Sales DataMonth-end sales data is processed on the first calendar day of each month. Data that is older than one month never changes.In the source system, the sales data refreshes every six hours starting at midnight each day.The sales data is captured in a Dataflow Gen1 dataflow. When the dataflow runs, new and historical data is captured. The dataflow captures the following fields of the source:â€¢ Sales Dateâ€¢ Authorâ€¢ Priceâ€¢ Unitsâ€¢ SKUA table named AuthorSales stores the sales data that relates to each author. The table contains a column named AuthorEmail. Authors authenticate to a guest Fabric tenant by using their email address.Existing Environment. Security GroupsLitware has the following security groups:â€¢ Salesâ€¢ Fabric Adminsâ€¢ Streaming AdminsExisting Environment. Performance IssuesBusiness users perform ad-hoc queries against the warehouse. The business users indicate that reports against the warehouse sometimes run for two hours and fail to load as expected. Upon further investigation, the data engineering team receives the following error message when the reports fail to load: â€œThe SQL query failed while running.â€•The data engineering team wants to debug the issue and find queries that cause more than one failure.When the authors have new book releases, there is often an increase in sales activity. This increase slows the data ingestion process.The

companyâ€™s sales team reports that during the last month, the sales data has NOT been up-to-date when they arrive at work in the morning.Requirements. Planned Changes -Litware recently signed a contract to receive book reviews. The provider of the reviews exposes the data in Amazon Simple Storage Service (Amazon S3) buckets.Litware plans to manage Search Engine Optimization (SEO) for the authors. The SEO data will be streamed from a REST API.Requirements. Version Control -Litware plans to implement a version control solution in Fabric that will use GitHub integration and follow the principle of least privilege.Requirements. Governance RequirementsTo control data platform costs, the data platform must use only Fabric services and items. Additional Azure resources must NOT be provisioned.Requirements. Data Requirements -Litware identifies the following data requirements:â€¢ Process the SEO data in near-real-time (NRT).â€¢ Make the book reviews available in the lakehouse without making a copy of the data.â€¢ When a new book cover image arrives in the Files folder, process the image as soon as possible.What should you do to optimize the query experience for the business users? Suggested Answer: B ðŸ—³ï¸•

A. Enable V-Order.

B. Create and update statistics.

C. Run the VACUUM command.

D. Introduce primary keys.

Answer: B

Timestamp: April 11, 2025, 7:02 p.m.

Exam DP-700 topic 3 question 12 discussion

Actual exam question from

Microsoft's DP-700

Question #: 12 Topic #: 3

[All DP-700 Questions]

You have a Fabric workspace that contains a warehouse named Warehouse1.While monitoring Warehouse1, you discover that query performance has degraded during the last 60 minutes.You need to isolate all the queries that were run during the last 60 minutes. The results must include the username of the users that submitted the queries and the query statements.What should you use?
Suggested Answer: B ðŸ—³ï¸•

A. the Microsoft Fabric Capacity Metrics app

B. views from the queryinsights schema

C. Query activity

D. the sys.dm_exec_requests dynamic management view

Answer: B

Timestamp: April 10, 2025, 4:49 a.m.

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Exam DP-700 topic 3 question 13 discussion

Actual exam question from

Microsoft's DP-700

Question #: 13 Topic #: 3

[All DP-700 Questions]

You have a Fabric workspace that contains a semantic model named Model1.You need to monitor the refresh history of Model1 and visualize the refresh history in a chart.What should you use?
Suggested Answer: B ðŸ—³ï¸•

A. the refresh history from the settings of Model1

B. a notebook

C. a Dataflow Gen2 dataflow

D. a data pipeline

Answer: B

Timestamp: April 10, 2025, 7:29 p.m.

View on ExamTopics

Exam DP-700 topic 3 question 14 discussion

Actual exam question from

Microsoft's DP-700

Question #: 14 Topic #: 3

[All DP-700 Questions]

You have a Fabric workspace that contains a write-intensive warehouse named DW1. DW1 stores staging tables that are used to load a dimensional model. The tables are often read once, dropped, and then recreated to process new data.You need to minimize the load time of DW1.What should you do? Suggested Answer: D ðŸ—³ï¸•

A. Enable V-Order.

B. Create statistics.

C. Drop statistics.

D. Disable V-Order.

Answer: D

Timestamp: April 8, 2025, 2:37 p.m.

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Exam DP-700 topic 3 question 15 discussion

Actual exam question from

Microsoft's DP-700

Question #: 15 Topic #: 3

[All DP-700 Questions]

HOTSPOT -Case Study -This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.To start the case study -To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the Question button to return to the question.Overview. Company Overview -Contoso, Ltd. is an online retail company that wants to modernize its analytics platform by moving to Fabric. The company plans to begin using Fabric for marketing analytics.Overview. IT Structure -The companyâ€™s IT department has a team of data analysts and a team of data engineers that use analytics systems.The data engineers perform the ingestion, transformation, and loading of data. They prefer to use Python or SQL to transform the data.The data analysts query data and create semantic models and reports. They are qualified to write queries in Power Query and T-SQL.Existing Environment. Fabric -Contoso has an F64 capacity named Cap1. All Fabric users are allowed to create items.Contoso has two workspaces named WorkspaceA and WorkspaceB that currently use Pro license mode.Existing Environment. Source SystemsContoso has a point of sale (POS) system named POS1 that uses an instance of SQL Server on Azure Virtual Machines in the same Microsoft Entra tenant as Fabric. The host virtual machine is on a private virtual network that has public access blocked. POS1 contains all the sales transactions that were processed on the companyâ€™s website.The company has a software as a service (SaaS) online marketing app named MAR1. MAR1 has seven entities. The entities contain data that relates to email open rates and interaction rates, as well as website interactions. The data can be exported from MAR1 by calling REST APIs. Each entity has a different endpoint.Contoso has been using MAR1 for one year. Data from prior years is stored in Parquet files in an Amazon Simple Storage Service (Amazon S3) bucket. There are 12 files that range in size from 300 MB to 900 MB and relate to email interactions.Existing Environment. Product DataPOS1 contains a product list and related data. The data comes from the following three tables:â€¢ Productsâ€¢ ProductCategoriesâ€¢ ProductSubcategoriesIn the data, products are related to product subcategories, and subcategories are related to product categories.Existing Environment. Azure -Contoso has a Microsoft Entra tenant that has the following mail-enabled security groups:â€¢ DataAnalysts: Contains the data analystsâ€¢ DataEngineers: Contains the data engineersContoso has an Azure subscription.The company has an existing Azure DevOps organization and creates a new project for repositories that relate to Fabric.Existing Environment. User ProblemsThe VP of marketing at Contoso requires

analysis on the effectiveness of different types of email content. It typically takes a week to manually compile and analyze the data. Contoso wants to reduce the time to less than one day by using Fabric.The data engineering team has successfully exported data from MAR1. The team experiences transient connectivity errors, which causes the data exports to fail.Requirements. Planned Changes -Contoso plans to create the following two lakehouses:â€¢ Lakehouse1: Will store both raw and cleansed data from the sourcesâ€¢ Lakehouse2: Will serve data in a dimensional model to users for analytical queriesAdditional items will be added to facilitate data ingestion and transformation.Contoso plans to use Azure Repos for source control in Fabric.Requirements. Technical RequirementsThe new lakehouses must follow a medallion architecture by using the following three layers: bronze, silver, and gold. There will be extensive data cleansing required to populate the MAR1 data in the silver layer, including deduplication, the handling of missing values, and the standardizing of capitalization.Each layer must be fully populated before moving on to the next layer. If any step in populating the lakehouses fails, an email must be sent to the data engineers.Data imports must run simultaneously, when possible.The use of email data from the Amazon S3 bucket must meet the following requirements:â€¢ Minimize egress costs associated with cross-cloud data access.â€¢ Prevent saving a copy of the raw data in the lakehouses.Items that relate to data ingestion must meet the following requirements:â€¢ The items must be source controlled alongside other workspace items.â€¢ Ingested data must land in the bronze layer of Lakehouse1 in the Delta format.â€¢ No changes other than changes to the file formats must be implemented before the data lands in the bronze layer.â€¢ Development effort must be minimized and a built-in connection must be used to import the source data.â€¢ In the event of a connectivity error, the ingestion processes must attempt the connection again.Lakehouses, data pipelines, and notebooks must be stored in WorkspaceA. Semantic models, reports, and dataflows must be stored in WorkspaceB.Once a week, old files that are no longer referenced by a Delta table log must be removed.Requirements. Data TransformationIn the POS1 product data, ProductID values are unique. The product dimension in the gold layer must include only active products from product list. Active products are identified by an IsActive value of 1.Some product categories and subcategories are NOT assigned to any product. They are NOT analytically relevant and must be omitted from the product dimension in the gold layer.Requirements. Data Security -Security in Fabric must meet the following requirements:â€¢ The data engineers must have read and write access to all the lakehouses, including the underlying files.â€¢ The data analysts must only have read access to the Delta tables in the gold layer.â€¢ The data analysts must NOT have access to the data in the bronze and silver layers.â€¢ The data engineers must be able to commit changes to source control in WorkspaceA.You need to ensure that the data engineers are notified if any step in populating the lakehouses fails. The solution must meet the technical requirements and minimize development effort.What should you use? To answer, select the appropriate options in the answer area.NOTE: Each correct selection is worth one point.
Suggested Answer:

**Answer: **

Timestamp: June 8, 2025, 11:10 p.m.

Exam DP-700 topic 3 question 16 discussion

Actual exam question from

Microsoft's DP-700

Question #: 16 Topic #: 3

[All DP-700 Questions]

You have a Fabric workspace that contains a lakehouse named Lakehouse1.In an external data source, you have data files that are 500 GB each. A new file is added every day.You need to ingest the data into Lakehouse1 without applying any transformations. The solution must meet the following requirements:â€¢ Trigger the process when a new file is added.â€¢ Provide the highest throughput.Which type of item should you use to ingest the data? Suggested Answer: D ðŸ—³ï¸•

A. KQL queryset

B. Streaming dataset

C. Notebook

D. Dataflow Gen2

Answer: D

Timestamp: June 6, 2025, 3:30 p.m.

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