

# 高效的Associate-Data-Practitioner指南及資格考試領先的供應商和免費PDF Associate-Data-Practitioner: Google Cloud Associate Data Practitioner



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## Google Associate-Data-Practitioner 考試大綱：

主題	簡介
主題 1	<ul style="list-style-type: none"><li>• Data Management: This domain measures the skills of Google Database Administrators in configuring access control and governance. Candidates will establish principles of least privilege access using Identity and Access Management (IAM) and compare methods of access control for Cloud Storage. They will also configure lifecycle management rules to manage data retention effectively. A critical skill measured is ensuring proper access control to sensitive data within Google Cloud services</li></ul>
主題 2	<ul style="list-style-type: none"><li>• Data Preparation and Ingestion: This section of the exam measures the skills of Google Cloud Engineers and covers the preparation and processing of data. Candidates will differentiate between various data manipulation methodologies such as ETL, ELT, and ETLT. They will choose appropriate data transfer tools, assess data quality, and conduct data cleaning using tools like Cloud Data Fusion and BigQuery. A key skill measured is effectively assessing data quality before ingestion.</li></ul>
主題 3	<ul style="list-style-type: none"><li>• Data Analysis and Presentation: This domain assesses the competencies of Data Analysts in identifying data trends, patterns, and insights using BigQuery and Jupyter notebooks. Candidates will define and execute SQL queries to generate reports and analyze data for business questions.   Data Pipeline Orchestration: This section targets Data Analysts and focuses on designing and implementing simple data pipelines. Candidates will select appropriate data transformation tools based on business needs and evaluate use cases for ELT versus ETL.</li></ul>

# 最好的Associate-Data-Practitioner指南，提前為Google Cloud Associate Data Practitioner Associate-Data-Practitioner考試做好準備

NewDumps的專家團隊利用他們的經驗和知識終於研究出了關於Google Associate-Data-Practitioner 認證考試的培訓資料。我們的Google Associate-Data-Practitioner 認證考試培訓資料很受客戶歡迎，這是NewDumps的專家團隊勤勞勞動的結果。他們研究出來的模擬測試題及答案有很高的品質，和真實的考試題目有95%的相似性，是很值得你依賴的。如果你使用了NewDumps的培訓工具，你可以100%通過你的第一次參加的Google Associate-Data-Practitioner認證考試。

## 最新的 Google Cloud Platform Associate-Data-Practitioner 免費考試真題 (Q89-Q94):

### 問題 #89

You are using your own data to demonstrate the capabilities of BigQuery to your organization's leadership team. You need to perform a one-time load of the files stored on your local machine into BigQuery using as little effort as possible. What should you do?

- A. Create a Dataproc cluster, copy the files to Cloud Storage, and write an Apache Spark job using the spark-bigquery-connector.
- B. Write and execute a Python script using the BigQuery Storage Write API library.
- C. Create a Dataflow job using the Apache Beam FileIO and BigQueryIO connectors with a local runner.
- **D. Execute the bq load command on your local machine.**

答案: D

解題說明:

Comprehensive and Detailed In-Depth Explanation:

A one-time load with minimal effort points to a simple, out-of-the-box tool. The files are local, so the solution must bridge on-premises to BigQuery easily.

\* Option A: A Python script with the Storage Write API requires coding, setup (authentication, libraries), and debugging-more effort than necessary for a one-time task.

\* Option B: Dataproc with Spark involves cluster creation, file transfer to Cloud Storage, and job scripting-far too complex for a simple load.

\* Option C: The bq load command (part of the Google Cloud SDK) is a CLI tool that uploads local files (e.g., CSV, JSON) directly to BigQuery with one command (e.g., bq load --source\_format=CSV dataset.table file.csv). It's pre-built, requires no coding, and leverages existing SDK installation, minimizing effort.

### 問題 #90

You are designing an application that will interact with several BigQuery datasets. You need to grant the application's service account permissions that allow it to query and update tables within the datasets, and list all datasets in a project within your application. You want to follow the principle of least privilege. Which pre- defined IAM role(s) should you apply to the service account?

- A. roles/bigquery.admin
- B. roles/bigquery.user and roles/bigquery.filteredDataViewer
- C. roles/bigquery.connectionUser and roles/bigquery.dataViewer
- **D. roles/bigquery.jobUser and roles/bigquery.dataOwner**

答案: D

解題說明:

\* roles/bigquery.jobUser:

\* This role allows a user or service account to run BigQuery jobs, including queries. This is necessary for the application to interact with and query the tables.

\* From Google Cloud documentation: "BigQuery Job User can run BigQuery jobs, including queries, load jobs, export jobs, and copy jobs."

\* roles/bigquery.dataOwner:

\* This role grants full control over BigQuery datasets and tables. It allows the service account to update tables, which is a requirement of the application.

- \* From Google Cloud documentation: "BigQuery Data Owner can create, delete, and modify BigQuery datasets and tables. BigQuery Data Owner can also view data and run queries."
- \* Why other options are incorrect:
- \* B. roles/bigquery.connectionUser and roles/bigquery.dataViewer:
  - \* roles/bigquery.connectionUser is used for external connections, which is not required for this task. roles/bigquery.dataViewer only allows viewing data, not updating it.
- \* C. roles/bigquery.admin:
  - \* roles/bigquery.admin grants excessive permissions. Following the principle of least privilege, this role is too broad.
- \* D. roles/bigquery.user and roles/bigquery.filteredDataViewer:
  - \* roles/bigquery.user grants the ability to run queries, but not the ability to modify data. roles/bigquery.filteredDataViewer only provides permission to view filtered data, which is not sufficient for updating tables.
- \* Principle of Least Privilege:
  - \* The principle of least privilege is a security concept that states that a user or service account should be granted only the permissions necessary to perform its intended tasks.
  - \* By assigning roles/bigquery.jobUser and roles/bigquery.dataOwner, we provide the application with the exact permissions it needs without granting unnecessary access.
- \* Google Cloud Documentation References:
  - \* BigQuery IAM roles:<https://cloud.google.com/bigquery/docs/access-control-basic-roles>
  - \* IAM best practices:<https://cloud.google.com/iam/docs/best-practices-for-using-iam>

### 問題 #91

Your retail company collects customer data from various sources:  
You are designing a data pipeline to extract this data

a. Which Google Cloud storage system(s) should you select for further analysis and ML model training?

- A. 1. Online transactions: BigQuery  
2. Customer feedback: Cloud Storage  
3. Social media activity: BigQuery
- B. 1. Online transactions: Cloud Storage  
2. Customer feedback: Cloud Storage  
3. Social media activity: Cloud Storage
- C. 1. Online transactions: Cloud SQL for MySQL  
2. Customer feedback: BigQuery  
3. Social media activity: Cloud Storage
- D. 1. Online transactions: Bigtable  
2. Customer feedback: Cloud Storage  
3. Social media activity: CloudSQL for MySQL

答案： A

解題說明：

Online transactions: Storing the transactional data in BigQuery is ideal because BigQuery is a serverless data warehouse optimized for querying and analyzing structured data at scale. It supports SQL queries and is suitable for structured transactional data.

Customer feedback: Storing customer feedback in Cloud Storage is appropriate as it allows you to store unstructured text files reliably and at a low cost. Cloud Storage also integrates well with data processing and ML tools for further analysis.

Social media activity: Storing real-time social media activity in BigQuery is optimal because BigQuery supports streaming inserts, enabling real-time ingestion and analysis of data. This allows immediate analysis and integration into dashboards or ML pipelines.

### 問題 #92

Your company has developed a website that allows users to upload and share video files. These files are most frequently accessed and shared when they are initially uploaded. Over time, the files are accessed and shared less frequently, although some old video files may remain very popular.

You need to design a storage system that is simple and cost-effective. What should you do?

- A. Create a single-region bucket with Archive as the default storage class.
- B. Create a single-region bucket with Autoclass enabled.
- C. Create a single-region bucket. Configure a Cloud Scheduler job that runs every 24 hours and changes the storage class based on upload date.

- D. Create a single-region bucket with custom Object Lifecycle Management policies based on upload date.

答案: D

解題說明:

Creating a single-region bucket with custom Object Lifecycle Management policies based on upload date is the most appropriate solution. This approach allows you to automatically transition objects to less expensive storage classes as their access frequency decreases over time. For example, frequently accessed files can remain in the Standard storage class initially, then transition to Nearline, Coldline, or Archive storage as their popularity wanes. This strategy ensures a cost-effective and efficient storage system while maintaining simplicity by automating the lifecycle management of video files.

### 問題 #93

You are a data analyst at your organization. You have been given a BigQuery dataset that includes customer information. The dataset contains inconsistencies and errors, such as missing values, duplicates, and formatting issues. You need to effectively and quickly clean the data. What should you do?

- A. Use BigQuery's built-in functions to perform data quality transformations.
- B. Develop a Dataflow pipeline to read the data from BigQuery, perform data quality rules and transformations, and write the cleaned data back to BigQuery.
- C. Use Cloud Data Fusion to create a data pipeline to read the data from BigQuery, perform data quality transformations, and write the clean data back to BigQuery.
- D. Export the data from BigQuery to CSV files. Resolve the errors using a spreadsheet editor, and re-import the cleaned data into BigQuery.

答案: A

解題說明:

Using BigQuery's built-in functions is the most effective and efficient way to clean the dataset directly within BigQuery. BigQuery provides powerful SQL capabilities to handle missing values, remove duplicates, and resolve formatting issues without needing to export data or create complex pipelines. This approach minimizes overhead and leverages the scalability of BigQuery for large datasets, making it an ideal solution for quickly addressing data quality issues.

### 問題 #94

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