20_GCP_CDA_Quiz2

Test your knowledge: Cloud Data Warehousing and BigQuery

1. 1. In a traditional computing model, where is the data typically located?

- On the internet
- In a remote data center
- **On-premises**
- In the cloud

Explanation: Traditional computing involves storing and managing data using physical hardware and software located within the organization's premises.

2. 2. What is the primary function of BigQuery?

- Check the query thought process and plan.
- Schedule queries to automatically refresh data.
- Migrate data warehouses from other cloud service providers.
- **Store and analyze data.**

Explanation: BigQuery is a cloud-based data warehouse that allows users to store large datasets and perform fast, complex queries using SQL.

3. 3. Your organization is planning to scale up its operations and needs a computing model that allows easy and quick scalability. Which computing model would be suitable for your organization?

- Hybrid computing
- Mobile computing
- Traditional computing
- **Cloud computing**

Explanation: Cloud computing offers flexible scalability, allowing organizations to expand resources quickly without physical infrastructure limitations.

4. 4. A company is managing large amounts of data scattered across various systems. This presents a challenge for the company. Which solution is most suitable for gathering and integrating all of the company's structured data for analysis and business insights?

- Simple database service

- **Cloud data warehouse**
- Traditional on-premises data warehouse
- Content management system

Explanation: Cloud data warehouses integrate structured data from multiple sources, enabling centralized analysis and business insights.

5. 5. A data analyst needs a tool for collecting, storing, integrating, and analyzing data. The tool also needs to be operational without a local network infrastructure. What tool should the data analyst use?

- Artificial intelligence software suite
- On-premises data warehouse
- **Cloud data warehouse**
- Real-time analytics software suite

Explanation: Cloud data warehouses operate remotely and do not require local infrastructure, making them ideal for modern data analysis needs.