

Name _____

Understanding Cloud Data Storage and Management

Short Answer Key

1. Data redundancy in cloud storage involves storing copies of data on multiple servers or locations to ensure data availability and reduce the risk of data loss due to hardware failures. It is essential because it enhances data reliability and resilience.
2. Two types of cloud data services mentioned in the passage are object storage and databases. Object storage is suitable for storing unstructured data like images and videos, while databases are ideal for structured data, supporting data-driven applications and analytics.
3. Cloud providers ensure data security and privacy during data transfer by using encryption protocols, such as SSL/TLS, and secure channels. Additionally, access control mechanisms and compliance with regulations contribute to data protection.
4. Organizing data into virtual containers like buckets or databases simplifies data retrieval, management, and organization. It enhances data organization and reduces the complexity of finding specific data.
5. Scalability in object storage allows businesses to expand their data storage capacity as needed, accommodating growing datasets without significant infrastructure changes.

