

Name _____

Unveiling the Cloud: Revolutionizing Modern IT

Short Answer Key

1. Scalability in cloud computing allows businesses to adjust their computing resources based on demand. For example, during a holiday season, an e-commerce website can easily scale up its server capacity to handle increased traffic, ensuring smooth online shopping for customers.
2. Small businesses and startups can benefit from cost advantages by using cloud services instead of investing in on-premises IT infrastructure. They avoid upfront capital expenditures on hardware, reduce maintenance costs, and pay for cloud resources based on actual usage.
3. The cloud contributes to data security by implementing encryption and access controls. Disaster recovery is ensured through robust data backup solutions, allowing organizations to restore data in case of hardware failures or data loss.
4. An example of a cloud-based collaboration tool is Google Workspace (formerly G Suite). It enhances productivity by allowing team members to work on documents simultaneously, providing real-time collaboration features.
5. Cloud-based development platforms and services, such as Amazon Web Services (AWS) and Microsoft Azure, offer developers ready-to-use tools and resources for software development. These resources include computing power, databases, and machine learning services.

