

Benefits of Cloud Computing

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Abstract

Cloud computing has become a fundamental technology in modern information systems, offering organizations flexible and efficient access to computing resources through the internet. This study examines the major benefits of cloud computing and its contribution to improving organizational performance, productivity, and digital transformation. Cloud computing allows users to access computing power, storage, software, databases, and networking services without making substantial investments in physical infrastructure. One of its major benefits is cost efficiency, as organizations can reduce hardware, maintenance, and operational expenses by using resources according to their requirements. Scalability enables businesses to quickly increase or decrease computing resources in response to changing workloads. Cloud services also support remote accessibility, allowing employees and users to access applications and data from different locations and devices. Furthermore, cloud computing facilitates collaboration by enabling multiple users to share information and work on common resources in real time. Backup and disaster recovery capabilities can help organizations protect data and maintain business continuity. The technology also provides opportunities for faster deployment of applications and adoption of emerging technologies. However, issues related to data privacy, cybersecurity, service availability, and internet dependency must be carefully considered. Overall, cloud computing provides significant advantages in terms of flexibility, scalability, cost reduction, accessibility, collaboration, and resource management, making it an important component of modern digital infrastructure.

Keywords: Cloud Computing, Cost Efficiency, Scalability, Data Storage, Accessibility, Collaboration, Cloud Services, Cybersecurity, Digital Transformation.

