


CLOUD STORAGE

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ROLE OF DATA STORAGE

- Vital for computers, retaining digital info since the 1940s, now accessible globally through cloud technology.
- Facilitates easy online backups, ensuring 24/7 access to crucial files from anywhere.
- From personal media to essential documents, securely stored and available worldwide.
- Enables users to retrieve data from any location, enhancing productivity and convenience.
- Stored data accessible round the clock, contingent on internet connectivity.
- Core function enabling information retention and supporting modern computing.

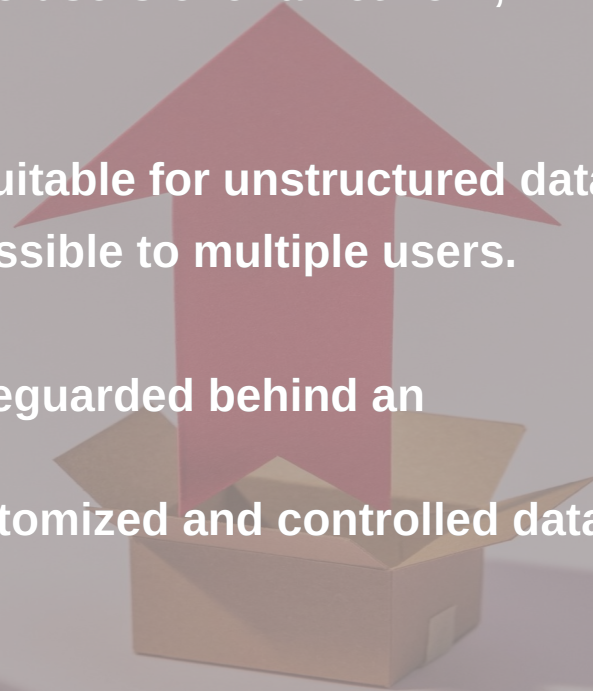
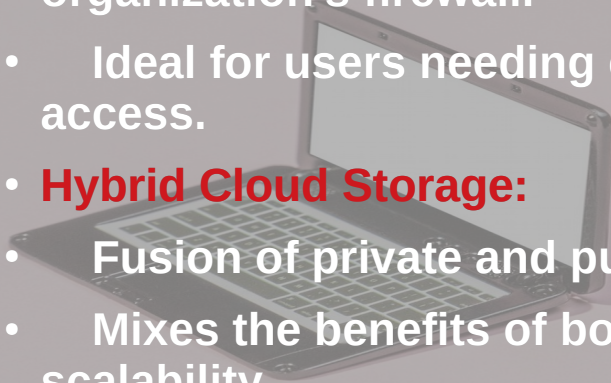
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EVOLUTION OF DATA STORAGE

- **1970s - Floppy Disks:** 8" and 5.25" disks dominated with a maximum capacity of 1.2MB and a peak production of 4000 units per day.
- **1980s - Evolution Continues:** Introduction of the 3.5" Floppy Disk (1982) and Compact Disks (CDs) by Sony; CDs became widespread a few years later.
- **Mid-90s - Zip Drives and DVDs:** Ubiquitous 1.44MB floppies; Iomega's Zip Drive introduced as a superior alternative. DVDs emerged in 1995, replacing CDs faster than CDs replaced floppies.
- **Early 2000s - SD Cards and USB Flash Drives:** Secure Digital (SD) cards entered the scene, initially limited to small capacities. USB flash drives arrived in 2000, marking a significant shift away from floppies.

CLOUD STORAGE

- Service model maintaining, managing, and remotely backing up data. Accessible to users over a network, typically the Internet.
- **Public Cloud Storage:**
 - Multi-tenant environment suitable for unstructured data.
 - Shared storage space accessible to multiple users.
- **Private Cloud Storage:**
 - Dedicated environment safeguarded behind an organization's firewall.
 - Ideal for users needing customized and controlled data access.
- **Hybrid Cloud Storage:**
 - Fusion of private and public cloud infrastructure.
 - Mixes the benefits of both models: customization and scalability.



PERSONAL FILE HOSTING:

- **Basic Cloud Storage:** Users upload and share personal files online, creating backups and enabling retrieval if files are lost.
- **Accessibility and Sharing:** Access files from any device and location, facilitating easy sharing globally.
- **Abundance of Providers:** Numerous providers offer online file hosting, utilizing standard internet protocols for file transfer like FTP and HTTP.

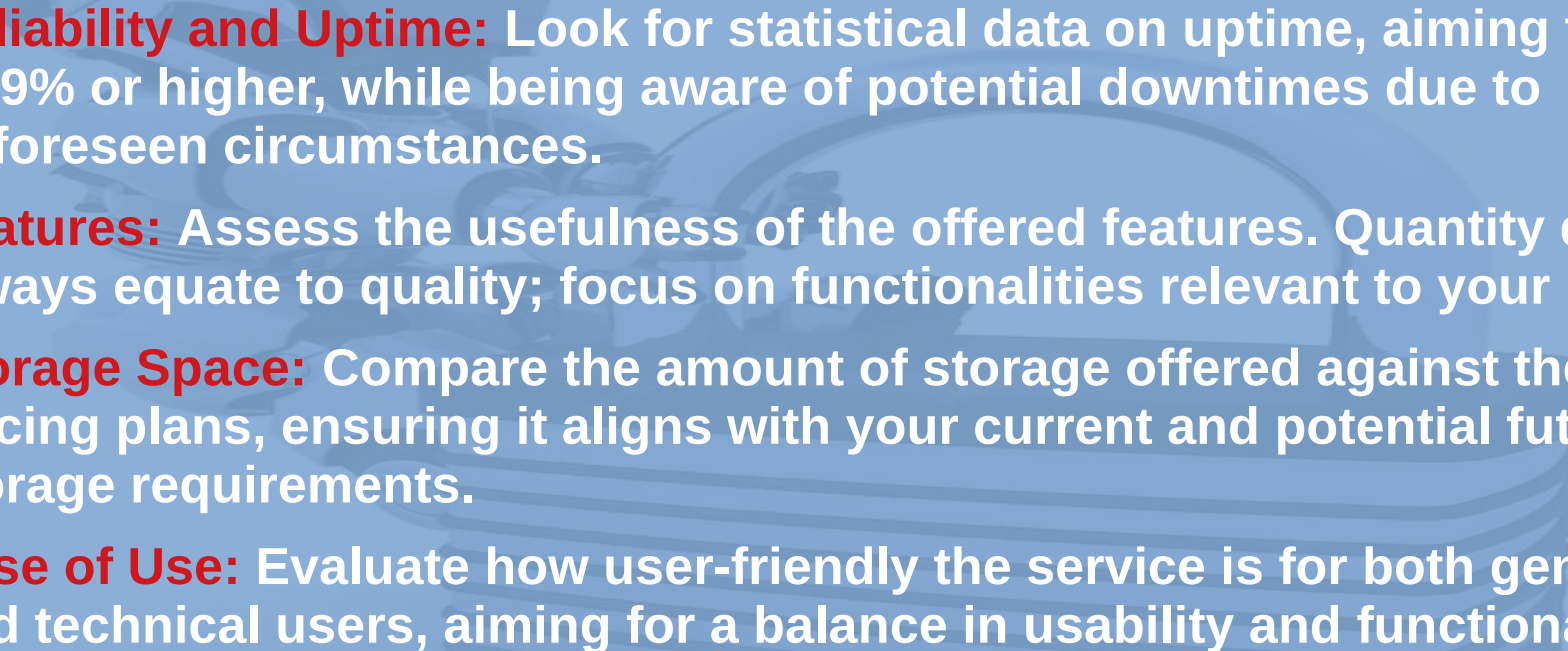
BUSINESS FILE HOSTING:

- **Backup Solution:** Businesses use cloud storage for remote commercial backup, transferring data from databases periodically.
- **Data Management and Retention:** Personal data remains stored indefinitely, while company data follows retention policies, discarding obsolete information.
- **Corporate Benefits:** Larger companies benefit from cloud computing by replicating vast amounts of data across branch offices, enabling seamless collaboration and real-time file sharing among employees at different locations.

CHOOSING A CLOUD STORAGE PROVIDER

- **Storage Needs and Cost:** Assess your storage requirements against subscription plans to avoid overpaying or being limited by free plans. Flexibility for changing needs is essential.
- **Usability:** The cloud system should seamlessly integrate with your workflow, providing an intuitive interface and responsive performance to maximize productivity.
- **Reliability:** Research provider reputation regarding uptime, data security, and integrity. Avoid hidden charges due to downtimes or security incidents.
- **Value for Money:** Consider the overall package offered by the provider and evaluate if the cost aligns with the services, security, and support provided.

CHOOSING A CLOUD STORAGE PROVIDER

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- **Reliability and Uptime:** Look for statistical data on uptime, aiming for 99.9% or higher, while being aware of potential downtimes due to unforeseen circumstances.
 - **Features:** Assess the usefulness of the offered features. Quantity doesn't always equate to quality; focus on functionalities relevant to your needs.
 - **Storage Space:** Compare the amount of storage offered against the pricing plans, ensuring it aligns with your current and potential future storage requirements.
 - **Ease of Use:** Evaluate how user-friendly the service is for both general and technical users, aiming for a balance in usability and functionality.

A photograph of a silver laptop and an open cardboard box on a light pink surface. A large, semi-transparent red rectangle is overlaid on the image, containing the text "THANK YOU" in bold red capital letters. The laptop is in the foreground, and the box is in the background.

THANK YOU