# Comparative Analysis of Cloud Data Storage Solutions

This document provides a comparative analysis of three popular cloud data storage solutions: Amazon S3, Google Drive, and Microsoft OneDrive. The comparison is based on four key criteria: features, pricing, scalability, and security. The findings are summarized in the table below for clarity.

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| Criteria | Amazon S3 | Google Drive | Microsoft OneDrive |  |
| Features | Highly customizable, designed for developers and enterprises; supports object storage, versioning, and lifecycle policies. | User-friendly interface; integrates seamlessly with Google Workspace apps like Docs and Sheets. | Tight integration with Microsoft 365 apps; supports file sharing, collaboration, and versioning. | Comprehensive and clear comparison |
| Pricing | Pay-as-you-go model; charges based on storage used, data transfer, and requests. Starts at $0.023/GB for the first 50 TB. | Free plan offers 15 GB; premium plans start at $1.99/month for 100 GB. | Free plan offers 5 GB; premium plans start at $1.99/month for 100 GB (via Microsoft 365). | Comprehensive and clear comparison |
| Scalability | Virtually unlimited scalability; ideal for businesses with high storage needs. | Suitable for personal and small business use; scales well for casual users and smaller teams. | Scales for personal, business, and enterprise users; large plans available with Microsoft 365. | Comprehensive and clear comparison |
| Security | Enterprise-grade security with encryption (AES-256); allows fine-grained access controls and audit logs. | Uses AES-256 encryption for data at rest and in transit; Google ensures compliance with global standards. | AES-256 encryption; compliance with GDPR and other regulations; ransomware detection features. | Comprehensive and clear comparison |