Wasabi Eliminates On-Premises Storage Cost and Management Barriers

Hot Cloud Storage Redefines Economics and Operations

Executive Overview

Many businesses are struggling to keep pace with skyrocketing data growth. Legacy on-premises storage solutions are notoriously expensive to scale and notoriously difficult to manage. Frustrated by over-priced maintenance contracts, high operations expenses and disruptive end-of-life product transitions, many IT decision makers are seeking more cost-effective and extensible storage solutions. But expensive first-generation cloud storage services from Amazon Web Services, Microsoft Azure and Google Cloud do not offer meaningful TCO savings over traditional on-prem storage solutions.

Forward-looking businesses are turning to Wasabi hot cloud storage to eliminate the expense and complexity of traditional on-premises storage solutions. Unlike other cloud storage services with confusing storage tiers and complex pricing schemes, Wasabi hot cloud storage is incredibly easy to understand and incredibly cost-effective to scale. One product, with predictable and straightforward pricing, supports virtually every cloud storage application.

This paper provides an overview of Wasabi hot cloud storage and explains how it can help you slash costs, streamline operations and boost business outcomes.

Conventional On-Premises Storage Solutions are Too Costly and Complex for the Digital Era

Data growth is spiraling out of control, doubling every year in many companies, creating significant financial and operational challenges for many IT organizations. Conventional on-premises storage solutions are far too costly and complex for the era of big data and digital transformation. Many businesses are hampered by legacy storage platforms that are unnecessarily expensive and complicated to procure, maintain and extend. Drawbacks of conventional on-premises storage solutions include:

- **High CAPEX –** on-premises storage arrays require significant upfront equipment investments. Most are over-provisioned to support future capacity requirements. Steep capital outlays lead to poor ROIs with long payback periods.

- **High OPEX –** legacy storage platforms are expensive to operate and maintain. Recurring power, cooling and rack space expenses; pricey monthly hardware and software maintenance and support fees; and excessive system administration cost and complexity all lead to high ongoing operations expenses.

- **Obsolescence concerns –** storage vendors regularly retire products and discontinue support, often subjecting customers to costly and disruptive upgrades.

- **High risk –** ensuring business continuity (replicating data to a secondary data center) is an expensive proposition beyond the reach of most companies. And conventional offline backup and recovery solutions often leave valuable business data unprotected.

- **Complex operations –** legacy storage solutions are difficult to configure and administer, and require special training and expertise.

Wasabi Hot Cloud Storage Eliminates Equipment Expense and Complexity

Wasabi hot cloud storage is extremely affordable, fast and reliable cloud object storage for any purpose. Specifically conceived to make storage a commonplace utility like electricity, Wasabi is easy to understand, easy to order and exceptionally cost-effective to scale.

Wasabi can help you reduce TCO and accelerate time-to-value by eliminating equipment expense and complexity, and enabling pay-as-you-grow scalability. Advantages of using Wasabi hot cloud storage over traditional on-premises storage solutions include:

- **Better economics –** Wasabi eliminates upfront equipment outlays, recurring hardware maintenance fees and ongoing equipment operations expenses.

- **Instant and infinite scalability –** with Wasabi you can expand capacity on-demand to precisely align ongoing expenses with business demands.

- **Simplified operations –** with no storage infrastructure to manage, you can free up IT staff to focus on other tasks.

- **Future-proof investment –** with Wasabi new features and capabilities are introduced in the cloud, without disruption.

- **Improved data durability –** Wasabi provides eleven 9s object durability—better than most on-premises storage platforms.

Wasabi Protects And Extends Previous On-Premises Storage Investments

Wasabi hot cloud storage is ideal for a variety of applications including primary storage for on-premises or cloud-based workloads, secondary storage for backup and recovery, and archival storage for long-term data retention. The versatile solution protects and extends previous storage infrastructure investments, allowing you to migrate to the cloud on your own terms, with minimal disruption. Wasabi use cases include:

- **Cap-and-grow –** keep existing applications on legacy storage and use Wasabi as primary storage for new applications like big data, analytics and IoT. Transition existing applications to Wasabi over time and gradually decommission legacy storage platforms.

- **Lift-and-shift –** use Wasabi as primary storage when moving on-premises applications to the cloud en masse.

- **Backup and recovery –** use Wasabi to protect on-premises storage arrays for a fraction of the cost of alternative solutions.

- **Archival storage –** use Wasabi for affordable and durable long-term data retention. Move infrequently accessed data to Wasabi to free up expensive legacy storage capacity and better align storage costs with data value.

- **Data center transformation –** use Wasabi for transitional storage to support corporate mergers and acquisitions, or data center relocation or consolidation initiatives.
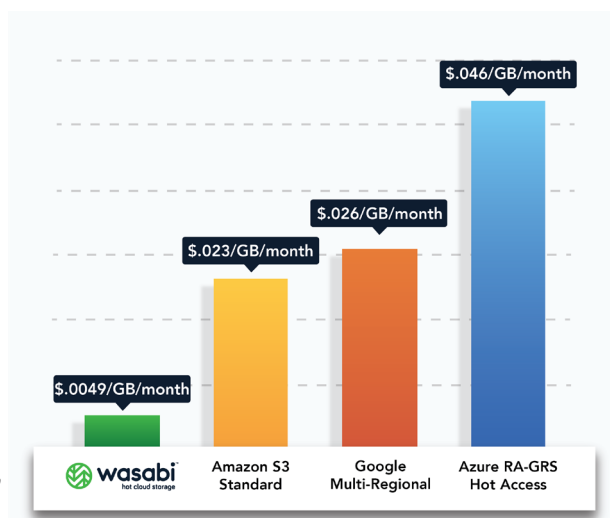
Wasabi Outperforms Other Storage Clouds

First-generation cloud storage services like Amazon Web Services, Microsoft Azure and Google Cloud offer better economics and faster time-to-value than on-prem storage solutions, but they are still too expensive, complicated and slow-performing for many applications.

Limitations include:

- **Costly and confusing service tiers –** first-gen cloud vendors sell several different types (tiers) of storage services. Each tier is intended for a distinct purpose—primary storage, backup storage or long-term retention. Each has unique performance and resiliency characteristics, SLAs and pricing schedules. Complicated fee structures with multiple pricing variables make it difficult to make educated choices, forecast costs and manage budgets.

- **Poor performance –** first-generation cloud storage services support significantly slower read/write speeds than traditional on-premises storage platforms (it takes much longer to move data in and out of the cloud) and are not well suited for data intensive, delay-sensitive applications like advanced analytics.

- **Vendor lock-in –** most cloud vendors impose costly fees to retrieve data from storage, which makes it expensive to switch services.

Wasabi was specifically conceived to treat storage as a commodity. Wasabi hot cloud storage is easy to understand, easy to order and incredibly cost-effective to scale. Unlike first-generation storage clouds, with Wasabi there are no confusing storage tiers to decipher and no complicated fee structures to decode. One product, with straightforward and ultra-low pricing, supports a wide range of applications.

Advantages of Wasabi hot cloud storage include:

- **Commodity pricing –** Wasabi hot cloud storage costs a flat $.0049/GB/month. Compare that to $.023/GB/month for S3 Standard, $.026/GB/month for Google Multi-Regional and $.046/GB/month for Azure RA-GRS Hot. Unlike Amazon, Google and Microsoft we don't impose extra fees to retrieve data from storage (egress fees). And we don't charge extra fees for PUT, GET, DELETE or other API calls.

  Read our New Economics of Cloud Storage tech brief for additional information.

- **Superior performance –** Wasabi's pioneering highly parallelized system architecture delivers an average 6x read/write performance advantage over Amazon S3, with significantly faster time-to-first-byte speeds. Wasabi is markedly faster than S3 even for Amazon Elastic Compute Cloud (EC2) customers.

  Download our Performance Benchmark report for additional information.

- **Robust data durability and protection –** Wasabi hot cloud storage is designed for extreme data durability, integrity and security. An optional data immutability capability prevents accidental deletions and administrative mishaps; protects against malware, bugs and viruses; and improves regulatory compliance.

  Read our Strong Security and Data Immutability tech briefs for additional information.

The table below compares Wasabi with first-generation cloud storage services and on-premises storage platforms.

	Wasabi Hot Cloud Storage	First-Gen Cloud Storage	On-Premises Storage Platforms
Financial Attributes			
No capital equipment outlays	✓	✓	
Pay-as-you-grow, on-demand scalability	✓	✓	
No recurring power, cooling, and rack space expenses	✓	✓	
No equipment maintenance, admin and support burden	✓	✓	
Easy-to-understand, universal storage solution (no tiers)	✓		
Commodity pricing	✓		✓
No add-on fees for API calls or data retrieval	✓		
Functional Attributes			
Infinite scalability	✓	✓	✓
Strong security and control	✓	✓	✓
Rapid read/write speeds	✓		
Inherent resiliency	✓	✓	
Eleven 9s data durability	✓	✓	
Configurable data immutability	✓	✓ [1]	✓ [1]

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1 Support varies by vendor. For example, Amazon only offers data immutability for its Glacier service.

Wasabi Works With a Wide Range of Data Management Applications

Wasabi hot cloud storage is bit-compatible with Amazon's popular S3 API. Wasabi customers enjoy full access to the world's largest cloud storage solution ecosystem and can choose from a wide variety of S3-compatible third-party products including:

- File management and file system extension solutions

- Data backup, replication and recovery products

- Policy-based archiving, tiering and hybrid storage solutions

- Advanced video and multimedia management products

- Big data and analytics integrations

In addition, the Wasabi Hot Cloud Storage Client for Mac & Windows makes it easy to move files in and out of the cloud.

Wasabi Helps You Improve Regulatory Compliance

Wasabi is an enterprise-class service designed to meet stringent security and availability requirements. The service was built from the ground up to comply with rigorous government and industry mandates for data privacy and protection. Wasabi stores data in accordance with a wide range of regulations including FERPA, CJIS, HIPAA/HITECH, GDPR and MPAA statutes. We perform comprehensive compliance assessments and, where applicable, use independent accreditation services to validate compliance.

For more information read our HIPAA/HITECH, CJIS and FERPA compliance white papers.

Summary

Traditional on-premises storage solutions are too costly and complex for the era of big data and digital transformation. Wasabi hot cloud storage delivers groundbreaking pricing, performance and simplicity, providing an affordable and scalable alternative to conventional on-premises storage platforms.

With Wasabi you can cost-effectively store any type of data, for any purpose, for any length of time. The versatile solution protects and extends previous investments, supporting a variety of use cases including primary, secondary and archival storage. Whether you are considering a cap-and-grow strategy or thinking about moving all your data to the cloud, Wasabi can help you save money, simplify operations and improve business results.

Next Steps

- **CONTACT WASABI TODAY.** Learn more about how Wasabi can help you eliminate the cost and complexity of traditional on-premises storage solutions.

- **TRY WASABI FOR FREE.** Get up to 1 TB for 30 days.

About Wasabi

Wasabi is the hot cloud storage company delivering low-cost, fast, and reliable cloud storage. Wasabi is 80% cheaper and 6x faster than Amazon S3, with 100% data immutability protection and no data egress fees.

Created by Carbonite co-founders and cloud storage pioneers David Friend and Jeff Flowers, Wasabi is on a mission to commoditize the storage industry. Wasabi is a privately held company based in Boston, MA.

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