

Solution Brief



Overview: Overcoming Hurdles to Cloud Adoption

Cost-effective, secure data storage is a major concern for the future. With reports that total global data storage will [exceed 200 zettabytes by 2025](#), companies must optimize how they store their data. For many businesses, that optimal solution is the cloud, where they can [reduce storage costs by over 70%](#).

Despite the cost savings, though, many businesses have hesitated to make the move. Migrating sensitive data to the cloud is a significant challenge. The complexity of storing data in hybrid- and multi-cloud infrastructures — combined with the cost of protecting it against threats — can leave companies spending much more than they initially budgeted for.

To remove the two major cloud adoption obstacles of pricing and security, and to support reliable, affordable cloud storage, ShardSecure partners with Wasabi. Wasabi's Hot Cloud Storage offers predictable, affordable, and secure cloud storage. Meanwhile, ShardSecure's technology offers advanced data security and resilience with self-healing data so companies can safely store their crown jewels in the cloud.



ShardSecure and Wasabi Integration

ShardSecure and Wasabi have partnered to provide advanced data protection for scalable object storage. The integration combines the privacy and security benefits of ShardSecure's data control platform with the simplicity,

security, and transparent pricing of Wasabi cloud storage for building applications, safeguarding data, and more.

The ShardSecure-Wasabi partnership ensures that data is well protected against outages, attacks, and other forms of data compromise — and that companies are safe from the egress charges and other hidden fees common with cloud environments. Together, we effectively tackle two of the most common obstacles in cloud adoption: pricing and security.

Wasabi Storage Solution

Wasabi's mission is to make cloud storage a simple, open-standard commodity and utility, just like electricity. Wasabi provides a single product — Wasabi Hot Cloud Storage, a highly secure, low-latency cloud object storage option — with predictable and straightforward usage-based pricing.



ShardSecure's Approach

ShardSecure's solution protects unstructured data for hybrid- and multi-cloud environments. Together with Wasabi, we tackle two of the most common hurdles in cloud adoption: pricing and security. While Wasabi provides affordable, scalable storage options, we offer robust data privacy and resilience.



ShardSecure Data Protection and

Resilience

While cloud service providers (CSPs) offer strong protection against front-end attacks, the shared responsibility model means that individual organizations are still responsible for securing their own data against back-end threats in the cloud. This is where ShardSecure comes in. With our patented data protection solution, we ensure the privacy and integrity of unstructured files in the cloud.

Data is kept secure from unauthorized users. Even if a storage location is left misconfigured, compromised in an attack, or unavailable due to an outage, no user can access a complete dataset without the owner's consent.

Self-healing data for improved resilience and availability in the cloud

Each instance of ShardSecure is a virtual cluster that, when deployed in different regions and different clouds, maintains high availability. If one storage location becomes inaccessible, user activity is seamlessly directed to an operational location.

Our self-healing data feature can also reconstruct data when it's tampered with, lost, deleted, or encrypted by ransomware. Using an automated control, multiple data integrity checks detect unauthorized modifications and provide early alerts for security teams. Our self-healing data then reconstructs the affected data automatically and in a way that is transparent to users. The result is neutralized cyberattacks, minimal downtime, less restoring from backups, and fewer disruptions to business continuity.

Unified, multi-protocol platform across multiple clouds

ShardSecure supports interfaces like S3 for object storage, iSCSI for block storage, and SMB/NFS for file storage to integrate with commercially available backup solutions.

Since the ShardSecure platform acts as an abstraction layer, it can consolidate all storage interfaces into one, even though each cloud provider may support a different data storage interface. This approach reduces the complexity associated with migrating data to a multi-cloud architecture and implementing backup solutions across the enterprise.

Maximum data control

ShardSecure allows organizations to maintain control over their data in the cloud, including by selecting storage in the geographic locations and jurisdictions of their choice. ShardSecure also helps companies to mitigate data transfer risk and address data sovereignty and compliance.



Summary

The cloud offers abundant opportunities to companies looking to save on storage costs, but sensitive data migration presents major obstacles. With ShardSecure's advanced data protection and Wasabi's scalability and simple pricing, these obstacles can be a thing of the past. The integration provides all-in-one protection against a wide range of threats — everything from cyberattacks and misconfigured storage buckets to speed premiums, hidden fees, and more.

About Wasabi: Wasabi Hot Cloud Storage is a predictably-priced, high performance, secure object storage service that eliminates confusing storage tiers and satisfies nearly all storage performance requirements. With Wasabi Hot Cloud Storage all data is treated equally and made readily accessible in exactly the moment it is needed with no fees for egress or API requests. Wasabi is fully compatible with the AWS S3 API with support for hundreds of S3-compatible storage applications, including ShardSecure, and has been certified for compliance with enterprise security and privacy standards. To learn more about Wasabi, visit <http://www.wasabi.com/>. Get in touch by emailing sales@wasabi.com.

About ShardSecure: In the face of rising cyberattacks and operational complexity, ShardSecure helps companies simplify their data protection. Our innovative technology lets companies enjoy the flexibility of securing their data wherever it resides — on-premises, in the cloud, or in hybrid- and multi-cloud architectures. ShardSecure delivers strong data privacy and security in a unified, multi-protocol platform that works across multiple cloud providers. In addition to advanced data privacy, the ShardSecure platform provides agentless file-level protection, cloud ransomware mitigation, and support for cross-border regulatory compliance. Its self-healing feature also helps companies maintain high availability and robust data resilience in the face of outages, attacks, and other disruptions.

To learn more about ShardSecure, visit us at <https://shardsecure.com> or call 917-414-7662.



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