

Solution Brief



Key Benefits

Know Before You Act:

- Understand your data no matter where it lives, and plan how to leverage the right mix of Komprise technologies to save costs.
- By using ShardSecure's Microshard™ technology, data can be securely migrated to the cloud.

ShardSecure and Komprise Intelligent Data Management

Manage data growth efficiently and securely with little to no added latency



The Challenge: Secure Data Management

The amount of data in the world was estimated to be 44 zettabytes at the dawn of 2020 and, by 2025, the amount of data generated each day is expected to reach 463 exabytes globally. Given the amount of data generated every day, not all data should be treated the same. On average, over 80% of all data is cold data, so why let it consume the same expensive resources as hot data? This causes high storage costs, slow backups, and a poor user experience. The answer is transitioning to a modern data center by managing data differently, based on its use and value, without affecting the end-user experience.

The modern data center with unifying data management, of both on-premises and cloud, is now the default mode of operation for many customers. Leveraging the proven combination of cloud tiering and data archiving is helping companies save millions by offloading unused data to cost-efficient cloud storage. When done right, cloud data tiering can save 70% of storage, backup, disaster recovery, and cloud costs, something proprietary storage gateways, built-in storage tiering, and traditional backup/DR solutions cannot offer.

Only Komprise offers a Global File Index of all unstructured data, to provide the tools that are helping companies right-size their data storage management. Then, taking action with confining, copying, or transparently tiering data files from any NAS, without any access disruption whatsoever, to any cloud. Putting the right data in the right place to maximize savings and enhance performance of hot data. When it comes to lowering costs with cloud tiering, ensure you first know your data cloud tiering choices then automate data movement easily.

Next, protect sensitive data with ShardSecure's Microshard technology. This desensitizes sensitive data by shredding unstructured and structured data down to four-byte microshards that are too small to contain sensitive data. These microshards are mixed into multiple, logical containers along with poison data which is added to complicate unauthorized re-assembly. Lastly, the containers are distributed across multiple, customer-owned, multi- and hybrid-cloud storage locations, providing the ultimate protection for data at rest.



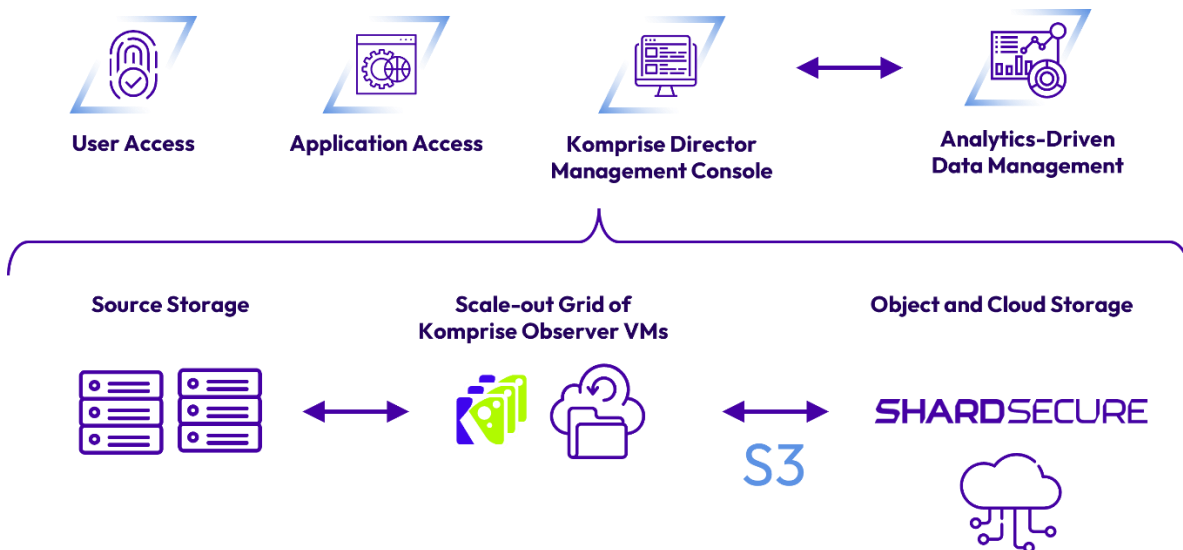
The Solution: Intelligently Manage, Move and Secure Data

Komprise Intelligent Data Management and ShardSecure's Microshard technology together, provide an open approach to data management. A unified solution that works with data across all sites, NAS systems and cloud vendors to seamlessly maximize storage investments and protection.

Transparently transition your storage in two easy steps without affecting end users:

1. Leverage Komprise Global File Index to find the right data across your storage assets; tag and enrich the data; if needed, send it to external tools for analysis.
2. Identify the right unstructured data across the data center to store and protect; understand how much data there is across any cloud and on-premises storage; see what applications are generating it, how it's growing, and where it is being used.

Komprise policies will then routinely and securely copy, move, or tier data using ShardSecure's Microshard technology to store and protect sensitive PII data. Komprise will retain constant end user access all the while with Transparent Move Technology.



Scalable data management for today's growth

Get fast data analytics, move without disruption, and scale as your needs grow with Komprise Intelligent Data Management.

- Analyze petabytes of data in hours, not weeks.
- Get analytics on petabytes of data from any NFS, SMB, and S3 storage within minutes to hours by using Komprise patented techniques.
- Move data without changing user access or interfering with hot data. Komprise Transparent Move Technology™ (TMT) archives data transparently. Data moves use standard protocols without interfering with hot data access or added complexity of proprietary agents or interfaces.
- Access data natively in the cloud. Komprise preserves full file fidelity, all the access controls, and native access to the data it moves.
- Repatriate expensive public cloud storage and migrate off legacy object storage. Avoid expensive egress fees and enable higher performance by migrating object storage workloads to the cloud.
- Tier petabytes of data efficiently. Komprise eliminates the guesswork and headaches of data management with a reliable, highly parallelized, efficient solution at up to 60% less than other tools.
- Run distributed scale-out architecture. Komprise runs as one or more virtual machines that scale on the fly, able to handle petabytes of data and billions of files with near-linear scaling.
- Get an intuitive UI and API. Komprise provides an intuitive user interface as well as API-level access to simplify management.

About ShardSecure

ShardSecure is changing the nature of data security. We believe that all organizations can easily and securely enjoy the benefits of cloud adoption without surrendering control of their data. Our patent-pending Microshard technology cloud-enables your data by desensitizing sensitive data for use in your multi-cloud and hybrid-cloud environments.

Learn more at shardsecure.com.

About Komprise

Komprise Intelligent Data Management is one platform to manage unstructured data. With Komprise, enterprise IT teams can easily analyze, search and use unstructured data across silos to deliver greater visibility, mobility and value. Komprise customers save over 70% on storage, backup and cloud costs with intelligent data tiering, move to the cloud 27x faster with smart data migration and see a dramatic reduction in time spent preparing data for analytics workflows with our Global File Index.


Learn more at komprise.com.



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