

Solution Brief

Komprise Intelligent Data Management and NetApp StorageGRID

Manage data growth efficiently without disrupting users in the hybrid cloud era

Key Benefits

Know Before You Act

- Understand your data no matter where it lives, and plan how to leverage the right mix of NetApp® technologies to save costs.

Cut Cold Data Costs

- Find and offload cold data from any NAS and cloud to NetApp StorageGRID® object-based storage to cut 70%+ of costs without affecting user experience.

Migrate Without Headaches

- Quickly and reliably migrate petabytes of data from other NAS and clouds to NetApp storage at a third of the cost. Move hot NAS data to NetApp ONTAP® flash and S3 object data to NetApp StorageGRID.

The Challenge: All Data Is Not the Same

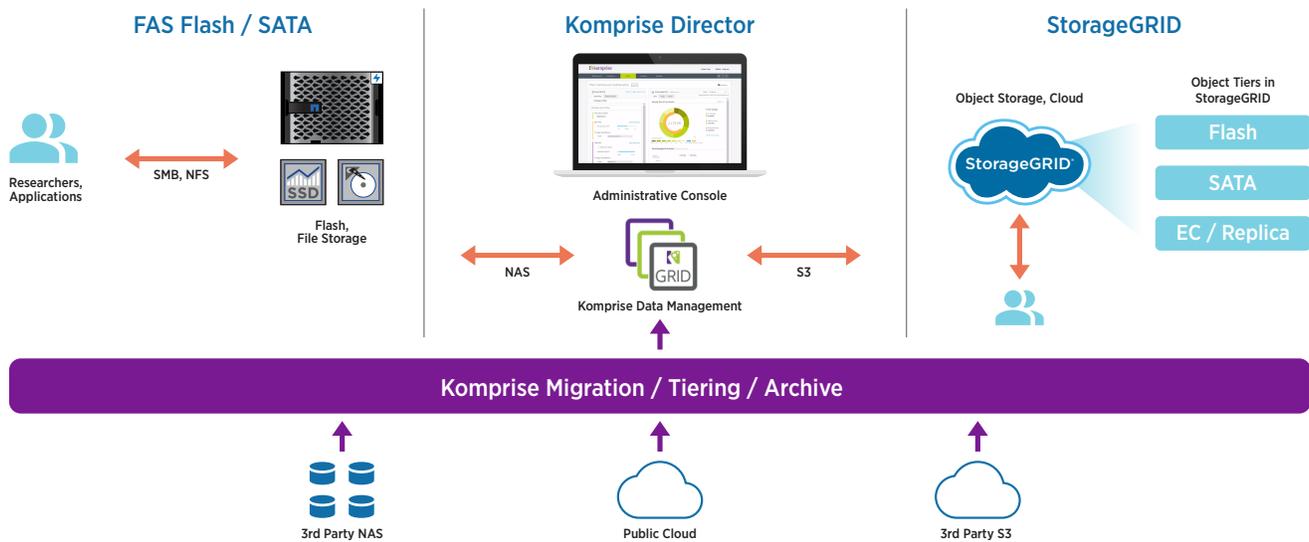
The key to managing explosive data growth is to stop treating all data the same. Hot data that's actively used needs fast storage and backups. Cold data that's rarely used doesn't. On average, over 80% of data in all enterprises is cold and hasn't been touched in over a year. So why let it consume the same resources as hot data, causing spiraling storage costs, slow backups, and a poor user experience? The answer is managing your hot and cold data differently and without affecting the end-user experience.

Hybrid cloud is now the default mode of operations for many customers, and more and more applications have adopted object storage APIs such as S3. In the past, object storage was a simple, low-cost, low-performance archive target—the rapid adoption of object storage has driven new workloads and requirements. High-performance, low-latency workloads now utilize flash-based object storage—these workloads will need to coexist with more traditional archive workloads. Customers now need to choose between hot and cold storage not only for NAS but also for object.

The Solution: Migrate and Manage Cold Data Efficiently Without Users Noticing

Komprise Intelligent Data Management software lets you maximize your storage investments by using NetApp StorageGRID for all your cold data transparently—so users won't know the difference:

- Identify cold data across your storage. Understand how much data you have across any cloud and on-premises storage; see how it's growing and being used.
- Transparently archive cold data from any NAS to StorageGRID. Set policies on what data to archive, and Komprise quickly moves it to NetApp StorageGRID. All the moved files appear as if still on the original storage—fully accessible to users and applications.
- Migrate from other vendors to NetApp. Use Komprise to migrate both your NAS and S3 workloads to NetApp flash, disk, and StorageGRID.
- Utilize StorageGRID intelligent data management policies. Add another layer of intelligence by utilizing StorageGRID to place objects on high performance and archive object tiers. Define data protection via erasure coding and replica while enforcing data locality.
- Build virtual data lakes for AI, ML, and big data. Search for the exact data you need, wherever it lives. Komprise preserves your tags as data moves to StorageGRID so it can be used as a virtual data lake for AI and big data projects.



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. Even when it's archived to StorageGRID, users can access moved files from the original storage—just like before. Data moves use standard protocols without interfering with hot data access or added complexity of proprietary agents or interfaces.
- Complement NetApp FabricPool with file-level archiving.** Komprise adds to the cost savings you get from NetApp FabricPool, which tiers NetApp Snapshot™ copies and blocks of data from your flash to improve efficiency. Komprise identifies and archives cold files off your NetApp flash and disk systems according to flexible policies to reduce the storage, backup, and mirror costs without requiring rehydration—so your savings are maximized. Real-world customers are already benefiting from our joint solution.
- Access data natively in the cloud.** Komprise preserves full file fidelity, all the access controls, and native access to the data it moves. This allows you to directly access both files and objects on StorageGRID without rehydrating to the original storage.

- 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 StorageGRID.
- Migrate petabytes of data efficiently.** Komprise eliminates the guesswork and headaches of data migration with a reliable, highly parallelized, efficient solution at up to 60% less than other migration 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 NetApp

NetApp is the leader in cloud data services, empowering global organizations to change their world with data. Together with our partners, we are the only ones who can help you build your unique data fabric. Simplify hybrid multicloud and securely deliver the right data, services and applications to the right people at the right time. Learn more at www.netapp.com.