SOLUTION BRIEF

# Intelligent Data Tiering in Healthcare and Life Sciences

Manage data more efficiently with Komprise and Pure Storage.

Data growth in healthcare and life sciences (HCLS) is among the highest of all sectors, and most of it is unstructured data that is large and unwieldy. Organizations want to leverage this data for insights to improve patient care, lower operating costs and develop new life-saving treatments, but cost management and security are critical. Pure Storage® FlashBlade® and Komprise represent a premier partnership in the management of unstructured data, offering HCLS enterprises visibility and analytics to manage data growth efficiently and with improved storage cost optimization.

## Unstructured Data Management Challenges in Healthcare

Unstructured data in healthcare includes a diversity of file types, namely X-rays, MRI and CT images, medical notes, lab reports, genomics, and instrument data and audio and video recordings of patient visits. Image files can be 30 megabytes each, while sequencing just one person's genes requires as much as 200 gigabytes of storage. Backing up and storing all this data can be cost-prohibitive.

Health and life sciences organizations also struggle with data silos hampering collaboration across teams and difficulties searching and moving precise data sets into new storage to meet rising needs, such as AI and changing industry regulations.

### Optimize HCLS Data

By leveraging the power of the FlashBlade scale-out file and object storage platform and the intelligent data management capabilities of Komprise, data-heavy HCLS organizations can optimize both data and their storage infrastructure. Clinical and research data is always at the right place and time for cost, compliance and performance needs.

### Analyze First

Komprise analyzes all data held in storage, across on-prem and cloud, giving IT teams insight into how much data they have, what types, how fast it's growing and usage patterns. This intelligence helps IT make informed decisions for tiering data to lower-cost storage. Komprise Deep Analytics gives IT and departmental users the means to quickly locate precise data sets across their storage environment to move to AI and analytics platforms as needed.

**Impressive Economics**
- Built-in cost model for management
- Maximize savings with tiering to eliminate rehydration and reduce backup costs

**Seamless Management**
- Data management service with simplicity
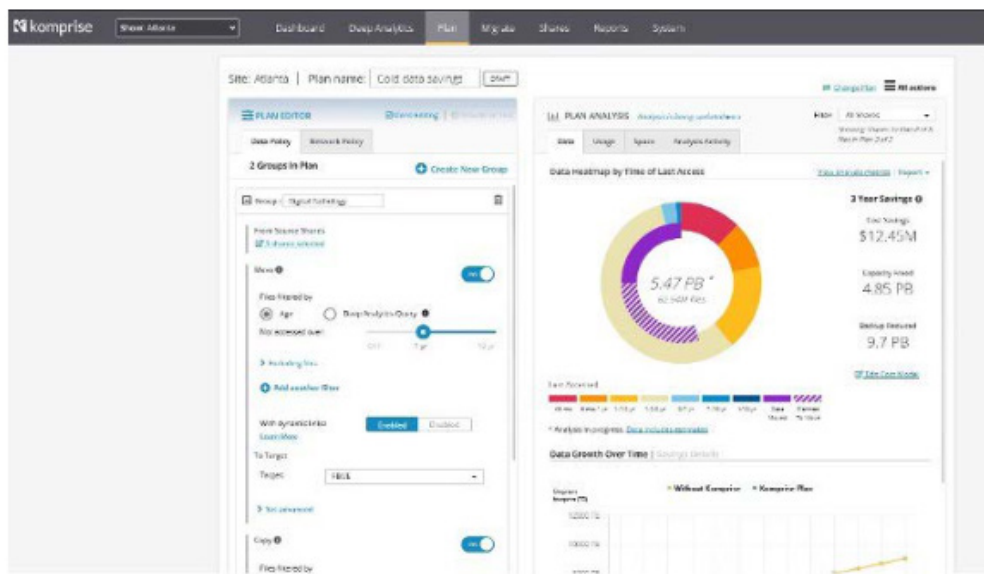- Easy point-and-click UI and API-driven

**Continuous Innovation**
- Moves data with no agents, no stubs, no changes to user access
- Fully native access at every tier with no lock-in

## Save over 70% on Storage Costs

Based on statistics from Komprise users and industry surveys, as much as 70% of data could be considered cold. Komprise healthcare customers have shown high rates of cold data. Komprise delivers transparent tiering from FlashBlade//S™ to the cost-efficient FlashBlade//E™ and to the cloud to tackle unstructured data growth. The patented file-level tiering not only saves storage costs but also shrinks backup footprint, unlike other block-level solutions. Automated, policy-driven tiering improves performance by reducing the load on the primary storage. Best of all, tiered files are fully accessible without rehydration to maximize savings.[1]

## No Disruption

In conjunction with the FlashBlade portfolio, Komprise ensures optimal data accessibility. The patented Komprise Transparent Move Technology (TMT) tiers from the source storage array with native access to the cold data on the target, with no



interference. This means that users and applications can continue accessing the data without any disruptions or delays.

**FIGURE 1**   Analyze and plan intelligent data tiering with Komprise console

## About Komprise

Komprise helps enterprise IT organizations handle the incoming deluge of data with analytics-driven data management designed to solve the challenges of unstructured data growth. With Komprise, customers know, move, and control their data to save costs and extract more business value—without disrupting access. www.komprise.com

## Additional Resources

- Explore the Pure Storage FlashBlade family.

- Learn more about Pure Storage solutions for healthcare.

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1 │ See "Quantifying the Value of Intelligent Data Management" from Komprise.

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Uncomplicate Data Storage, Forever

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