

## SOLUTION BRIEF

# Tame Digital Pathology Data Volumes with Pure Storage

Pursue whole-slide imaging with fast, scalable storage infrastructure from Pure Storage®.

As healthcare and scientific research organizations replace glass slides with digital pathology, they're realizing the limits of legacy data storage. Modern, scalable data infrastructure helps organizations fast-track digital pathology. Images load in sub-seconds, while workflows stay efficient and streamlined for pathology teams, whether remote or onsite. These positive changes contribute to more precise and timely patient care, while supporting advanced scientific research.

## By the Numbers

A large academic medical center's pathology department produces about 365,000 slides per year. Scanning each slide in high-resolution detail results in 10 times the data volume of other types of imaging, such as radiology and cardiology. After compression, a single image file often exceeds 1GB in size, according to the [Digital Pathology Association](#). This exponential data growth swamps legacy storage solutions, resulting in image latency. With modern data storage, organizations can keep up with digital pathology demands, without forklift upgrades or unexpected fees.

## Cost Considerations

Organizations are finding that legacy storage doesn't cost-effectively scale for digital pathology, while cloud can lead to unpredictable and growing expenses, as it often requires ingress and egress fees for moving data between remote storage and on-premises viewing by clinicians.

Regulatory requirements mandate that images are stored for years, adding to long-term costs. That's why organizations are choosing subscription-based storage solutions. Predictable subscription pricing gives healthcare and life sciences organizations the power to choose how to consume and deploy storage.



### Never Outgrow Your Storage

Discover power and capacity that's the perfect fit for all your imaging data.



### Better TCO

Reduce TCO up to 50% with Evergreen//Forever™, a subscription to continuous software and hardware upgrades.



### Protect against Ransomware

SafeMode™ Snapshots create immutable data backups.

## Why Pure Storage for Digital Pathology

All-flash array (AFA) storage solutions from Pure Storage deliver speed, scalability, and extraordinary reliability for digital pathology data and images. Pure solutions are:

- **Able to unite all images:** Seamlessly consolidate DICOM and non-DICOM images on a single storage platform, supporting enterprise imaging.
- **Fast:** Say goodbye to the delays caused by legacy spinning disk systems. Experience consistently fast I/O, even during peak use.
- **Built for AI:** Pure Storage FlashBlade® and AIRI® support artificial intelligence workloads out of the box, with minimal configuration and no fine-tuning.

## A Relationship That Lasts

Pure Storage simplifies how healthcare and life sciences teams consume and interact with data, while redefining the data storage experience for customer organizations with solutions that are:

- **Simple and scalable:** Scale with zero downtime and no reconfiguration. Easily add storage as capacity requirements increase or when clinical workflow demands change.
- **Reliable:** Hardware upgrades and software updates are always non-disruptive, so patient care and research timelines stay on track. Pure consistently delivers 99.9999% reliability for FlashArray™ with up to 85% lower energy costs.
- **Evergreen:** Invest in simplicity, reliability, and security. Never rebuy the same TB of storage again. The [Evergreen//Forever™](#) subscription model means that healthcare and life sciences customers reduce maintenance and future upgrade costs, while avoiding forklift data migrations.

## Additional Resources

- Boost [Enterprise Imaging Performance](#) with FlashBlade.
- Learn how [FlashArray increases enterprise imaging's speed and stability](#).
- Learn about significant TCO reductions with [Evergreen//Forever](#).
- Discover how to protect your vital data with [SafeMode Snapshots](#).

[purestorage.com](https://www.purestorage.com)

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