

# Improving Enterprise Imaging with Storage

Pure Storage® delivers simple, seamless, and sustainable storage solutions for modern healthcare.

Enterprise imaging (EI) is essential to success in precision medicine. EI facilitates rapid and real-time access to sophisticated imaging studies by clinical teams across healthcare organizations. No longer confined to radiology and cardiology, EI encompasses all departments and specialties that generate images. But growing data sets from MRIs, mammography (tomo), CTs, and others can strain healthcare IT infrastructures. The result is increased turn around times and negative impact to clinician and patient satisfaction.

Healthcare IT leaders are turning to all-flash array (AFA) storage solutions to address this data deluge. AFA offers an architecture flexible enough to manage the expanding volume and variety of imaging data while eliminating complexity and expense.

## EI Solutions for Smarter Clinical Decisions

Your storage architecture plays a critical role in enterprise imaging including fostering data sharing among multiple departments and facilities, helping you meet data-retention guidelines, and allowing you to quickly recover critical data from an outage. It can also serve as a launching pad for future innovation, including cloud, advanced analytics, and AI. The right EI storage solution should provide benefits including:

- **Maximum uptime:** An integrated EI platform delivers optimal uptime and eliminates “planned” downtime, while delivering the processing power to minimize turnaround time and facilitate a seamless flow of data, leading to timely, relevant clinical decisions 24x7.
- **Enhanced workflows:** Your EI platform should enable seamless data access and sharing across disparate systems, providing a complete, longitudinal view of the patient record. The storage platform should support data consolidation by breaking down data silos and moving to a simplified solution capable of serving all workloads and applications.



### Best for Enterprise Imaging

Pure is certified with major enterprise imaging vendors and is unique by offering data reduction for DICOM images.



### Simple and Reliable

Get easy installation, maintenance, and non-disruptive upgrades. And 99.9999% reliability means consistent dependability.



### No Tuning Required

Pure solutions can handle any protocol, any tier, and any workload, right out-of-the-box.

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- **Reliable performance:** Serving more images in greater detail requires additional bandwidth and IOPS requirements. Your EI platform should have the bandwidth to deliver complex imaging data with consistently low latency, especially during unpredictable surges of activity.
- **Non-disruptive upgrades:** Healthcare images must be kept for many years to meet regulatory requirements. Where they are stored should last as well. Non-disruptive upgrades with zero downtime, zero performance impact, and zero forklift migrations ensure that critical clinical data remains secure and available. Traditional offerings have made replacing EI storage every five to seven years the standard due to capacity limits, end-of-life cycles, and design constraints.
- **Agility and flexibility:** EI solutions should integrate easily across cloud and on-prem to help you innovate faster.
- **Lower TCO:** Simple, seamless, and sustainable storage for EI means less storage management and zero fine tuning, plus lower power, cooling, and rack space requirements. Deliver a modern data platform to the entire enterprise, with predictable costs over the next decade and beyond.

## Pure Storage® Solutions for Enterprise Imaging

Pure Storage solutions for EI provide fast, flexible resources to support a modern data experience. Pure is the only vendor today that has made all its core products available as a service under one full, integrated portfolio. Pure solutions embody the following characteristics:

- **Fast:** Server-side rendering and larger studies, such as breast tomosynthesis, have storage performance requirements beyond what current infrastructure can deliver. Pure delivers consistent performance by delivering consistent low latency throughout the day, even during peak reading times and surges in viewing activity.
- **Efficient:** Pure solutions optimize storage by delivering efficiency through both hardware and software. By consolidating workloads, Pure not only lowers the size and footprint needed to support your storage needs, but also has lower related heating and cooling requirements. As a bonus, applications are brought to the data, breaking down data silos by allowing multiple applications to read and write to the AFA at the same time.
- **Effortless:** Any downtime has a direct impact on patient care and organizational finances. Pure's self-driving storage reliably and consistently delivers high performance, no matter the workload conditions. Spending abundant time monitoring and tuning storage is a waste of time and money.
- **Evergreen™:** Experience an overall reduction in maintenance and future upgrade costs while avoiding risky forklift data migrations. Buy only what you need, when you need it. Upgrade to the latest innovation without pain or penalty. Pure is not only fast in terms of IOPS and throughput, but Evergreen upgrades make it the only storage that gets better with age.

With EI powered by Pure, you have faster access to and management of all images in a health system, driving better care coordination, productivity, and innovation across your organization.

## Additional Resources

- Explore more about [Enterprise Imaging powered by Pure](#).
- Learn more about [healthcare solutions from Pure](#).

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