# Advance Your Healthcare Enterprise Imaging Strategy
Through Hybrid Cloud Storage-as-a-Service at the Edge

As digital healthcare evolves, so does the infrastructure required to support it. When it comes to managing medical images, picture archiving and communication systems (PACS) have been a mainstay; however, technology advancements and new care models are expanding the use of PACS and moving beyond to vendor neutral archiving (VNA) and an overall enterprise imaging strategy. Consequently, healthcare organizations are looking to cloud storage solutions as a new way to improve the performance, security, and durability of imaging infrastructures.
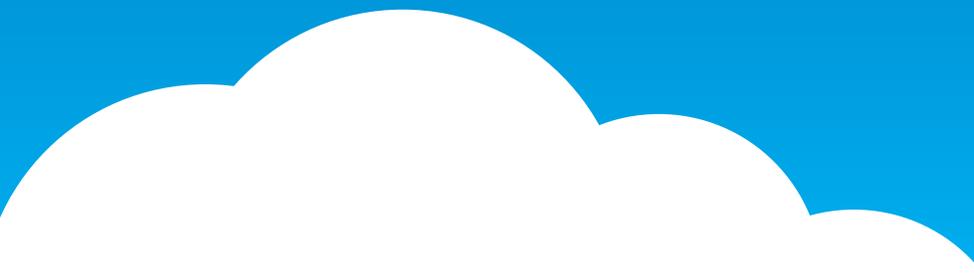
> **As a fully managed service, ClearSky takes care of data protection, availability, patching and disaster recovery. It happens automatically, and recovery is nearly instantaneous. All data is encrypted, both in transit and at rest, so it's secure. We control the keys. Not even ClearSky has access to our data.**
>
> **Brent Ritchter, Director of ERIS, Partners Healthcare**

Addressing the data storage demands of today's enterprise imaging strategy

Traditional storage solutions do not meet today's imaging demands: the size and number of image files that require long term storage and archiving; the rigorous performance and reliability requirements to access clinical images from multiple locations; the complexity of ongoing expansion and scaling; and compliance with the latest security and privacy standards. On-premise solutions stop short of meeting all these requirements and are costly to maintain. A modern enterprise imaging strategy requires storage conditions that are:

Scalable

- » Supports PACS, VNA, and other image files
- » Infinite scalability into the future
- » Pay only for what you use

Accessible

- » Multi-location—on-premises, at the edge and in the cloud
- » On-demand, low latency access to all data
- » Standard protocols ease accessibility and integration now and into the future

Secure and Compliant

- » All data is encrypted in transit and at rest, customer maintains the keys
- » More secure than any cloud-only solution because of dedicated fiber connectivity
- » Built-in access with auditing logging and controls
- » Compliant for healthcare privacy and security requirements - PHI, Global data sets, HIPAA, GDPR
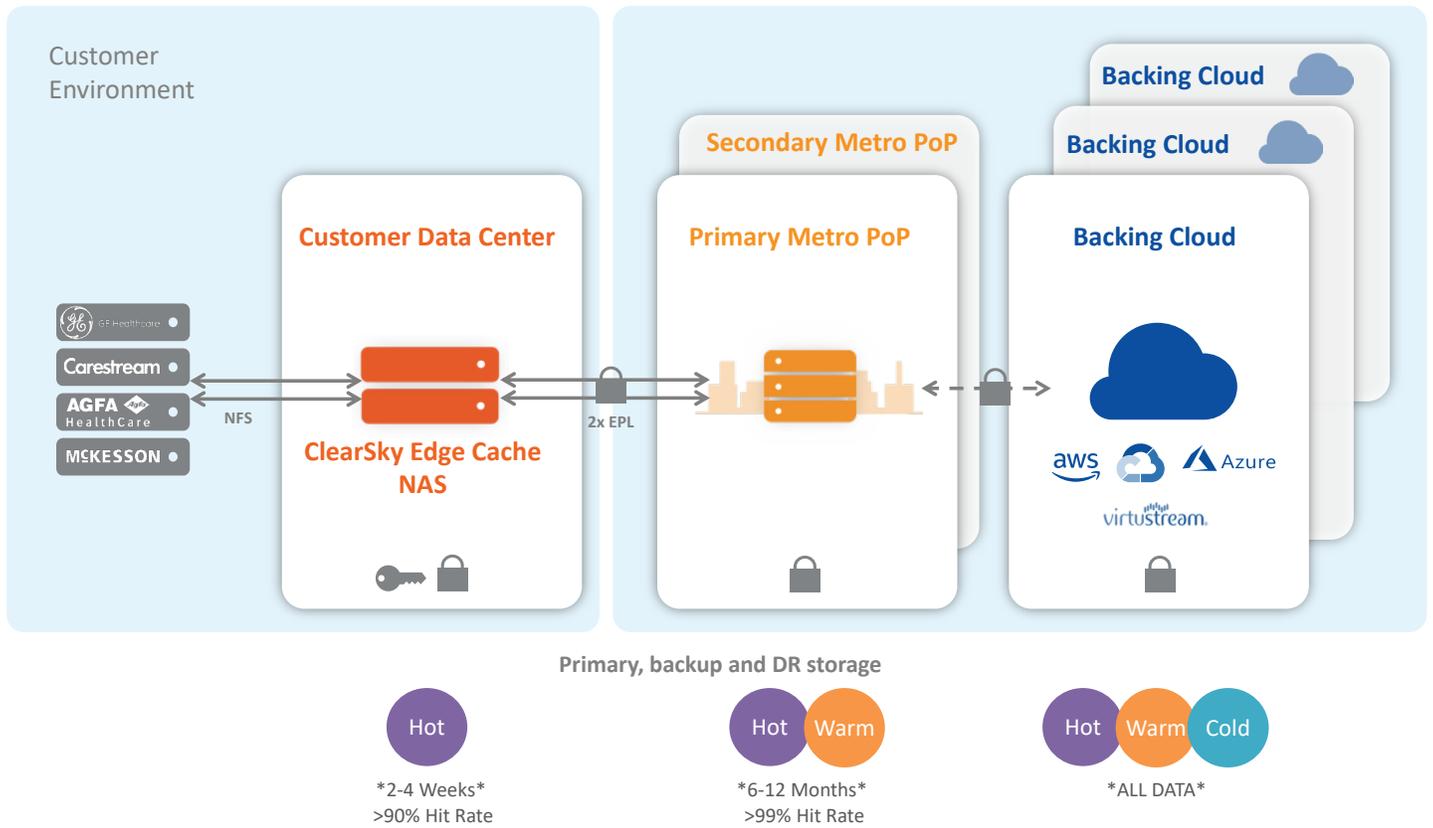- » SOCII compliant

The unprecedented performance, reliability, and economics of a hybrid cloud service

ClearSky Data is the only hybrid cloud storage-as-a-service solution that combines the performance and availability of local enterprise storage with the scalability and economics of the cloud. It delivers on-demand primary storage, offsite backup, and disaster recovery as a single, integrated service. ClearSky Data's patented edge-based technology, Smart Tiered Caching™, automatically optimizes data across its lifecycle, giving healthcare organizations limitless data access from multiple locations, immediately—meeting the performance demands of your radiology personnel and beyond.

Service architecture: features & benefits

- » Gain built-in, complete protection for all file data
- » Reduce on-premises storage footprint, management, and associated cost
- » Reduce storage TCO by more than 50 percent
  - Eliminate need for backup tapes
  - Eliminate hardware refresh cycles
  - Only pay for what you use
  - No cloud egress fees for access
- » Guaranteed 100% uptime
- » Guaranteed 100% data durability
- » Instant recoveries and unlimited recovery points
- » Ransomware protection

ClearSky Service Architecture

Customer Environment

Customer Data Center

GE Healthcare
Carestream
AGFA HealthCare
McKESSON

NFS

ClearSky Edge Cache NAS

2x EPL

Secondary Metro PoP

Backing Cloud

Backing Cloud

Primary Metro PoP

Backing Cloud

aws   Azure   virtustream

Primary, backup and DR storage

Hot

2-4 Weeks
>90% Hit Rate

Hot   Warm

6-12 Months
>99% Hit Rate

Hot   Warm   Cold

ALL DATA

ClearSky: the backbone of your enterprise imaging strategy

With ClearSky, IT personnel with complex radiology storage and accessibility requirements now have a compliant and secure option that is cost effective and scalable. Organizations with this level of service help reduce organizational risk, increase clinician and patient satisfaction, and allow IT to focus resources on other priority initiatives.

Let ClearSky exceed all your enterprise imaging storage needs today.

Find out more at www.clearskydata.com

ClearSky