

## Medical Image Storage and Archiving

Secure HIPAA  
Compliant Hosting

Storage  
Management &  
Image Archiving

Cloud Computing  
Environment



## Cloud Based, Vendor Neutral, Virtually Unlimited Capacity

Medical Imaging technologies are accelerating rapidly and driving storage requirements much higher than originally planned. Advancements in PACS systems and the expansion of DICOM web access standards are extending medical imaging content beyond its departmental silos. Accessing studies over the Internet is reinforcing the demand for secure, auditable access while regulations are imposing stricter security safeguards in storage protection. Budgets are squeezed and capital requests for additional storage hardware are challenged.

Cloud storage provides a long term, economically feasible solution to this dilemma. ClearDATA's Medical Image Storage and Archiving solution (MISA) is a vendor neutral storage cloud that integrates with your DICOM infrastructure. Storage appears as a node on the network and is accessed through a secure VPN with data encryption in motion and at rest. The cloud solution is accessible as an active drive for high availability image retrieval, as an off-site incremental backup location, or as a long term archive. Long term archives reside in a remote location and comply with HIPAA Security and Privacy rules.

The ClearDATA MISA platform operates with all major DICOM management and gateway products as an open architecture design with virtually unlimited storage capacity. Based on the HP Converged Infrastructure Cloud System hardware platform, the MISA solution runs on a high performance Internet backbone and provides exceptional data retrieval speeds for always on, always available access.

The ClearDATA data center is managed to strict HIPAA compliance specifications. All data is encrypted according to NIST standards at the disk level. Network management utilizes strict access controls and audit mechanisms. The ClearDATA MISA solution provides Disaster Recovery / Business Continuity assurance as all systems are constantly monitored with alerts and 24/7 support. By assisting in health-care operations activities, we operate as a Business Associate. And we provide Business Associates agreements as required to help protect clients from unnecessary administrative liability.

The ClearDATA MISA solution only charges for what you use. The solution is complementary to your current infrastructure whether you have an established PACS workflow or if you are beginning to transition to a digital environment.



- 100% HIPAA Compliance
- High Performance Private Cloud
- Offsite Data Backup and Storage
- Disaster Recovery & Business Continuity
- End-to-End Data encryption
- Security Risk Assessments
- Privacy Impact Consulting
- Healthcare Exchange Hosting
- Clinical Research Management
- Business Associates Agreement
- Medical Image Storage and Archiving
- Healthcare Exchange Hosting
- Software-as-a-Service (SaaS)
- Platform-as-a-Service (PaaS)
- Infrastructure-as-a-Service (IaaS)
- Data Migration
- 24/7/365 Support Including Monitoring with Alerts

**CONTACT CLEARDATA TODAY!**

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## ClearDATA Medical Image Storage and Archiving Benefits

### Reduce Costs

- Reduce capital expense costs by eliminating needs for hardware and software upgrades
- Staffing – reduce costs associated with downtime, lets IT focus on other activities
- Facilities - recover office space, lower utility expense

### Scalability

- Add additional storage space quickly and cost effectively
- Eliminate technology obsolescence through media independence
- Change Imaging and PACS platforms without interrupting access to prior clinical data

### Improve Performance

- Two types of storage – immediate access running on high performance Network Attached Storage drives (NAS), or as economical block storage on Storage Area Networks (SAN)
- 100% uptime with 24/7 support with continuous monitoring to ensure quality and accessibility of data
- High performance bandwidth with optimized routing for fast data retrieval

### 100% HIPAA Compliance

- Full data encryption in motion and at rest in a full PHI compliant environment
- Archives are replicated and stored offsite for image security, confidentiality, and redundancy
- Images can be retrieved quickly for Business Recovery in the event of a disaster providing fast Return to Operation (RTO)

### Business Associates Agreement

- We provide Business Associates agreements as required to help protect our clients from unnecessary administrative liability.

## Medical Image Storage and Archiving Solution Architecture

