

## Medical Image Management in the Azure Cloud

Fast. Secure. Scalable. Workstation Performance.  
At a fraction of the cost.



**Nucleus technology enables medical image management in Azure. Nucleus gives your clinicians what they want – fast, secure, controlled access to diagnostic images on any web-enabled device. And it gives your IT team what they need – control over their growing image management costs with the security they demand.**

### What is Nucleus?

Nucleus is a cloud based medical imaging platform that enables unprecedented scalability and performance at a fraction of the cost of traditional enterprise. What has previously been available exclusively in on-premises systems, Nucleus can provide via any web connected device, modern browser and Microsoft Azure.



### Why use Nucleus.io?

- Breath life into aging PACS systems by moving aging images to the Azure Cloud
- Store a copy of all studies for a cost effective disaster recovery solution
- Simplify image exchange and collaboration with referring facilities – no VPNs required
- CD ingestion of studies into PACS from any web browser
- Access and view the largest and most complex images e.g. Digital Breast Tomosynthesis (DBT) in seconds using a web browser with no performance degradation

### Reduce Costs

- Move images from expensive data center storage to inexpensive public cloud
- Protect existing image management system from influx of larger imaging files (DBT, Genomics, etc.)
- Client-side rendering technology reduces impact of network latency

**Zero footprint – HTML5**

**Highly scalable**

**Ultimate flexibility**

### Improve Security

- Leverages Microsoft Azure Security and Best Practices
- Additional financial grade security layered on Azure for a truly best of breed defense

**Financial industry security**

**HIPAA/HITECH Compliant**

### Engage Physicians

- Provide caregivers with access to images using their web browser – no data remains on the device
- Improve collaboration and communication between caregivers
- Reach referring physicians and outlying care facilities

**Reactive user interface**

**Sub-second response times**

**Dx Workstation Performance**