Scality RING Enables Efficient Medical Imaging Workflow while Lowering TCO

Availability matters; perhaps more in healthcare than anywhere, because patient care is at stake. Ensuring that electronic patient health information (ePHI) is kept safe, intact and available—readily and quickly—is critical to care team productivity and patient care. Having the right patient health information storage in place affects patient care both at the individual patient level and at the institutional efficiency level. Scality delivers, providing superior data durability with on-line availability that's guaranteed, and low TCO.

Ever-improving imaging technology, an aging population and long retention requirements mean that medical imaging is growing fast. And, as ePHI access across the care continuum becomes the norm – and mandated – specialty-specific islands that existed are no longer accepted. Regulators, practitioners and patients themselves are demanding a more unified and accessible 360° record in the electronic health record (EHR). Ensuring that ePHI is available immediately requires robust underlying storage with:

- **SCALABILITY:** grows cost-effectively, without disruption as data grows; keeping TCO low with standard X86 hardware instead of expensive proprietary architecture.

- **INTEGRITY & AVAILABILITY:** fast access to accurate data is the ultimate goal, so assurance that the data will be unchanged and uncorrupted is critical. Scality enables up to 14 nines durability with 100% availability.

- **EFFICIENCY:** clinicians move fast; retrieval has to be quick.

- **SIMPLICITY:** easy on the IT team and users, flexible object and file interfaces enable easy integration across storage needs, reducing the data management load and making user access seamless.

Key Benefits

Fast Access

Make more of the ePHI that's retained easily accessible; Scality RING boosts efficiency by offloading primary PACS storage without taking data offline or making it hard to access. Studies and records—recent or older—are there for immediate access—no waiting for tapes to load.

Lower Costs

Scality is the only storage solution to lower TCO by allowing a mix and match of standard servers and reducing staff overhead. Unlike conventional storage, Scality eliminates silos, increases storage efficiency, and enables worry-free capacity expansion as data is managed by the software, and not tied to appliance form factors.

Compatibility

Scality Software Defined Storage has both file and object interfaces to accommodate a variety of applications. Scality RING is a field-proven storage solution for multiple Picture Archiving and Communication Systems (PACS) and Vendor-Neutral Archives (VNA's), and we have relationships with leading healthcare systems vendors. And, Scality's Customer Services team brings decades of experience to help ensure your storage is optimized to your environement.

Safer Data

Unlike conventional NAS, Scality enables 100% availability and 14 nines durability, with multi-site options to tolerate entire site failure. And, unlike other object storage, enables different durability and overhead ratios to match requirements.

Simplicity

It's easier than you think!

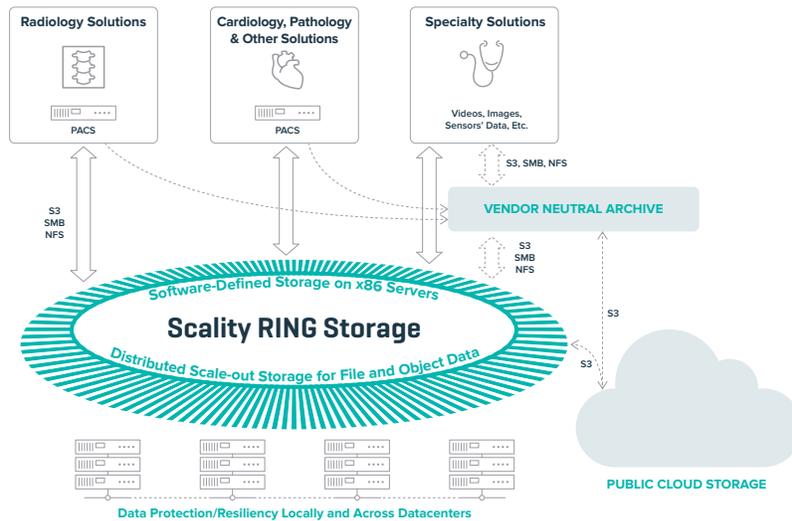## Keeping ePHI Available, Efficiently

Keep it Live Online

Scality RING makes it feasible to keep more patient data actively available – on spinning disk – eliminating the wait for fulfillment of medical records requests. You can't beat 100% availability for keeping things moving. And, thanks to advanced volume protection options, you can even eliminate resource-consuming traditional backups, because data is fully protected.

Maintain Compliance

Scality RING is a strong ally in your plan to meet national and regional data availability, retention and security compliance requirements. Access via HTTPS with password authentication and Role-based Access Control (RBAC) and AES-256 encryption ensure data security. Scality RING's multi-geo options distribute data across availability zones to ensure access even when an entire data center is lost. And, where immutability is a concern, we have a joint solution with iTernity for write once, read many (WORM).

Low TCO

Resources saved on storage can be put to direct patient care. Scality is the only storage that blends the critical elements of an architecture that keeps TCO low by allowing mix and match standard servers. Unlike conventional storage, this enables worry-free capacity expansion (from 100's of Terabytes to 100's of Petabytes) as the data is managed by software and not tied to appliance form factors. And, eliminating tape and tape transport could reduce breach vulnerability; reducing the financial risk associated with fines.

Unstructured data in the healthcare environment is growing at exponential rates, fueled by ever-higher resolution imaging across multiple departments, long retention requirements due to both standard-of-care and regulatory requirements, and an aging population that consumes more healthcare. That unstructured data comes from many different departments, and much of it remains siloed on departmental PACS with expensive NAS archived to hard-to-access tape. Ensuring that electronic patient health information (ePHI) is kept safe, intact and available—readily and quickly—is critical to care team productivity and patient care. Having the right patient health information storage in place affects patient care both at the individual patient level and at the institutional efficiency level. Scality RING delivers, providing superior data durability with on-line availability that's guaranteed, and low TCO. Contact us today for more information.

About Scality Scality, world leader in object and cloud storage, develops cost-effective Software Defined Storage (SDS): the *RING,* which serves over 500 million end-users worldwide with over 800 billion objects in production; and the open-source S3 Server. Scality RING software deploys on any industry-standard x86 server, uniquely delivering performance, 100% availability and data durability, while integrating easily in the datacenter thanks to its native support for directory integration, traditional file applications and over 45 certified applications. Scality's complete solutions excel at serving the specific storage needs of Global 2000 Enterprise, Media and Entertainment, Government and Cloud Provider customers while delivering up to 90% reduction in TCO versus legacy storage. A global company, Scality is headquartered in San Francisco.

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