

Scality RING Optimizes Enterprise Storage Strategies

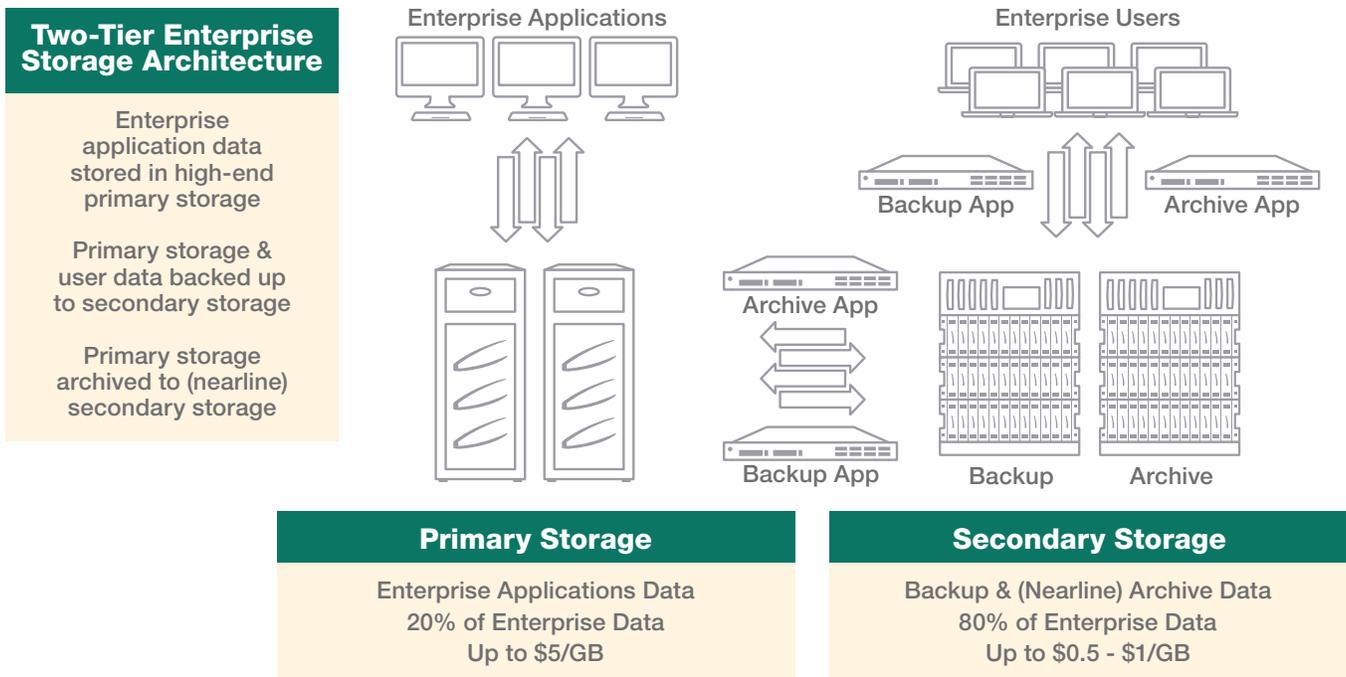
The enterprise storage market is undergoing a revolution. As major cloud service providers have demonstrated significant cost savings by leveraging software-defined storage on industry-standard servers, large enterprises are now looking for new technologies that will lower their storage TCO and increase their ROI. The Scality RING enables enterprises to optimize their storage strategies by:

Minimizing Primary Storage Needs

Reducing the Overall Backup Cost

Maximizing the Secondary Storage ROI

Simplifying the Storage Workflow



Traditional two-tier storage architectures are still too expensive and can't scale efficiently

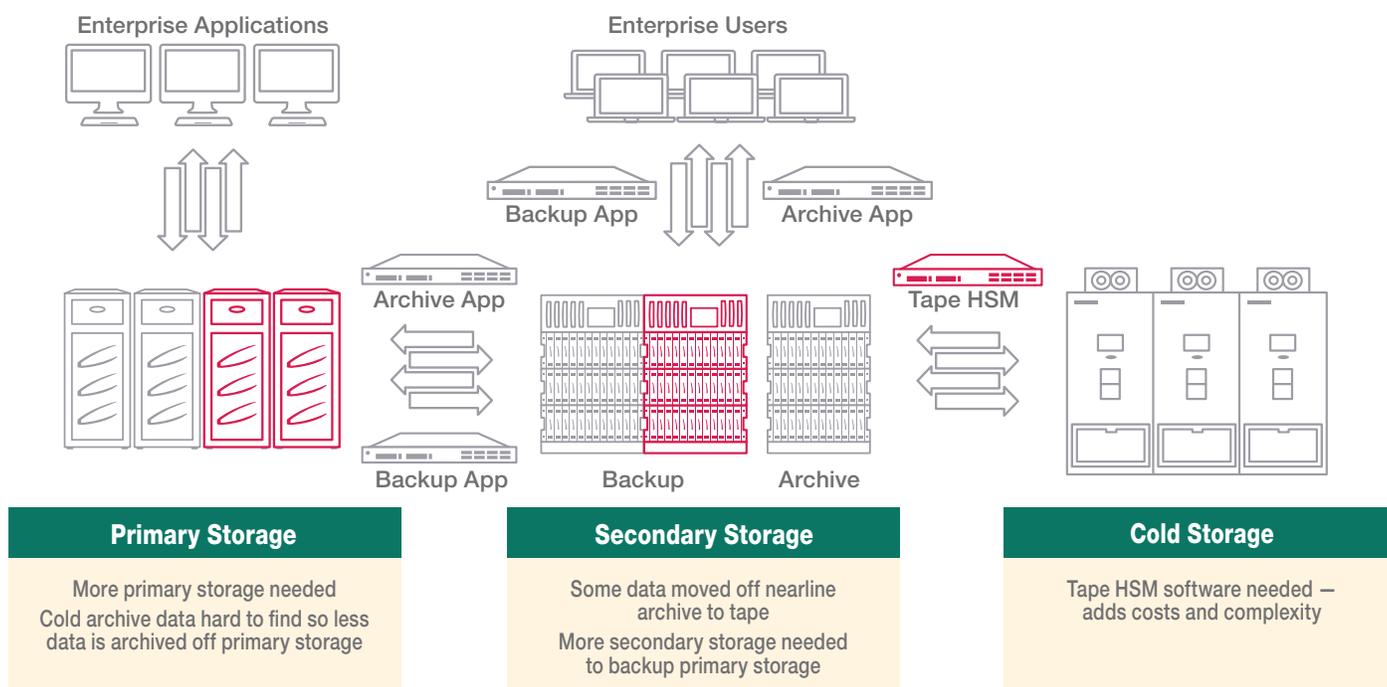
Many deployments of traditional enterprise storage architectures consist of two tiers of storage: high-end storage systems (SAN/NAS) for primary application and user data, and cheaper secondary storage for backups and archives. Even though secondary storage systems are generally less expensive from a \$/GB point of view, these systems account for the biggest part of the enterprise storage TCO as they hold exponentially more data. As a result, cost-inefficiencies in the second tier have a huge impact on the total storage budget. For example, a difference of just \$0.10/GB between traditional storage appliances and industry standard servers will add up to a hundred thousand dollars per year at petabyte scale. Enterprises typically have tens, if not hundreds, of petabytes of secondary storage.

Adding a “cold storage” tier only makes matters worse

But it gets worse: many companies move secondary data to cold offline storage (e.g. tape) to reduce the volume of data stored in secondary storage. However, as data stored on cold storage is difficult to search and slow to retrieve, organizations will move less data off their primary storage tier, which also needs to be backed up to ... secondary storage. So while a third, (cold) storage tier is intended to lower the storage TCO by reducing the amount of secondary storage, it does exactly the opposite:

- > More primary storage is needed to keep data at hand
- > More secondary storage is needed to back-up more primary storage (typically 4TB per TB of extra primary storage)
- > An extra tier of storage increases the management cost
- > Expensive HSM systems are needed to move data from tier to tier

Three-Tier Enterprise Storage Architecture



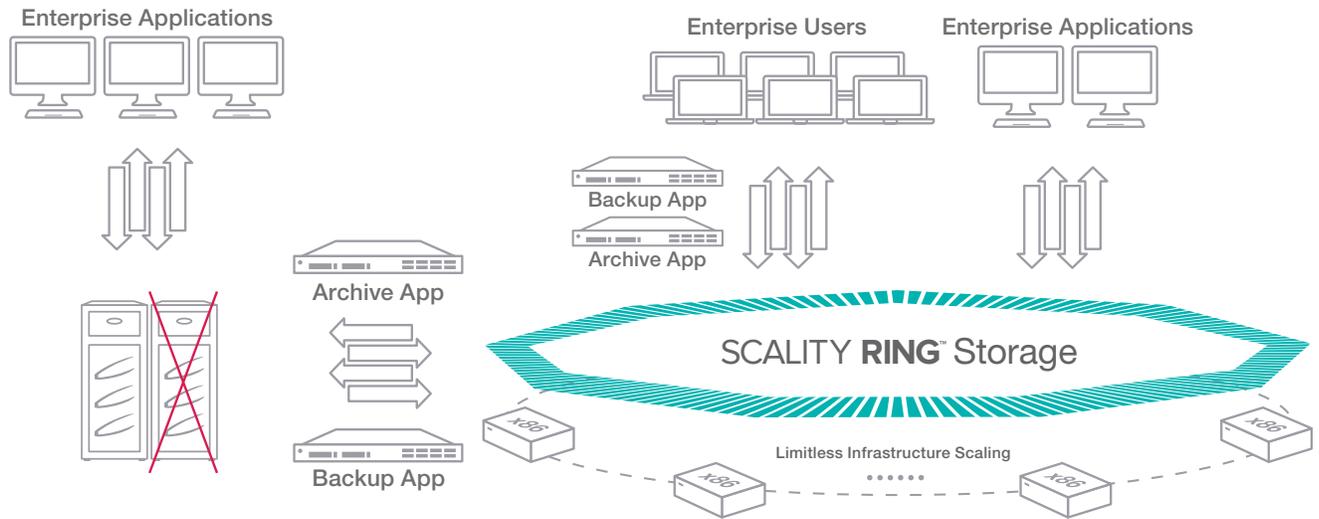
Introducing 100% Reliability and Limitless Scalability for All Enterprise Data

Scality and its solution partners enable enterprises to drastically reduce their storage TCO by simplifying the storage architecture and reducing both primary storage and secondary storage needs.

By deploying the Scality RING, companies can build a single, massively-scalable storage tier for multiple applications, including backup and archiving. You can point multiple backup applications in multiple locations point to one logical RING and get fast point-in-time storage and recovery. You can archive other primary applications to the same target, when you don't need point-in-time. And the RING has been proven to ingest data at line-rate speeds with solutions using its high-speed native interfaces.

The RING is a software-based storage solution that lets you grow your storage infrastructure linearly from petabytes to exabytes and billions of objects with the freedom to choose any industry standard servers. The RING offers low latency and high throughput to provide excellent accessibility to all your content. The combination of scalability and performance allows consolidation of data, and aggregation of data backup and archive workflows into a single, 100% available, fourteen “9’s” durable platform.

Two-Tier Enterprise Storage Architecture with Scality RING



Primary Storage

Storage of Enterprise application data
Some Enterprise applications can use the RING as primary storage to further reduce need for costly primary storage

Secondary Storage

Backup and Archive of primary storage and user data
Storage of some Enterprise application data

Reduce your enterprise storage TCO

Scality customers have made huge TCO savings by implementing the Scality for their backup and archive applications:

- > Save up to 50% on the hardware cost by choosing the most cost-efficient hardware
- > Reduce the raw storage capacity needed over 60% by leveraging the RING's built-in erasure coding data protection
- > With the RING's self-healing you need fewer storage administrators to manage more capacity
- > Reduce your primary storage needs by up to 60% by building an instantly accessible active archive
- > Primary storage savings are multiplied via reduced backup needs
- > No need for expensive tape HSM applications

Increase your data and secondary storage ROI

The Scality RING also enables customers to increase the value of their data. By building an accessible secondary storage tier, archives are no longer a cost center:

- > Build one single secondary storage infrastructure for the backup and archive needs of multiple business units and multiple geographically distributed locations
- > Archived data is instantly accessible without changing the workflow
- > Data can be made accessible to remote users
- > Integrate with any existing backup or archive application

A rich ecosystem of backup and archive solution partners

Thanks to the wide choice of file and object interfaces, Scality can easily be integrated with any data management, backup or archive solution. The Scality RING has been pre-integrated with a rich selection of enterprise storage including Veeam for backup, ASG for archive management, iTernity for compliant data management, and Aspera for cloud archiving, just to name a few.



Scality Customers for Backup & Archive

Leveraging, the pre-integrated solutions, the Scality RING has been deployed by customers across all verticals for backup and archive solutions.



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