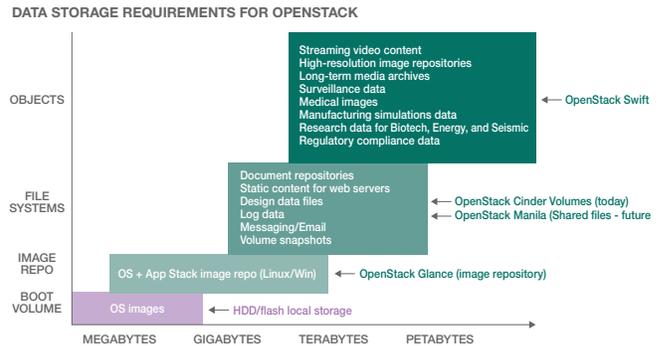


## Scality RING for Private Storage Cloud



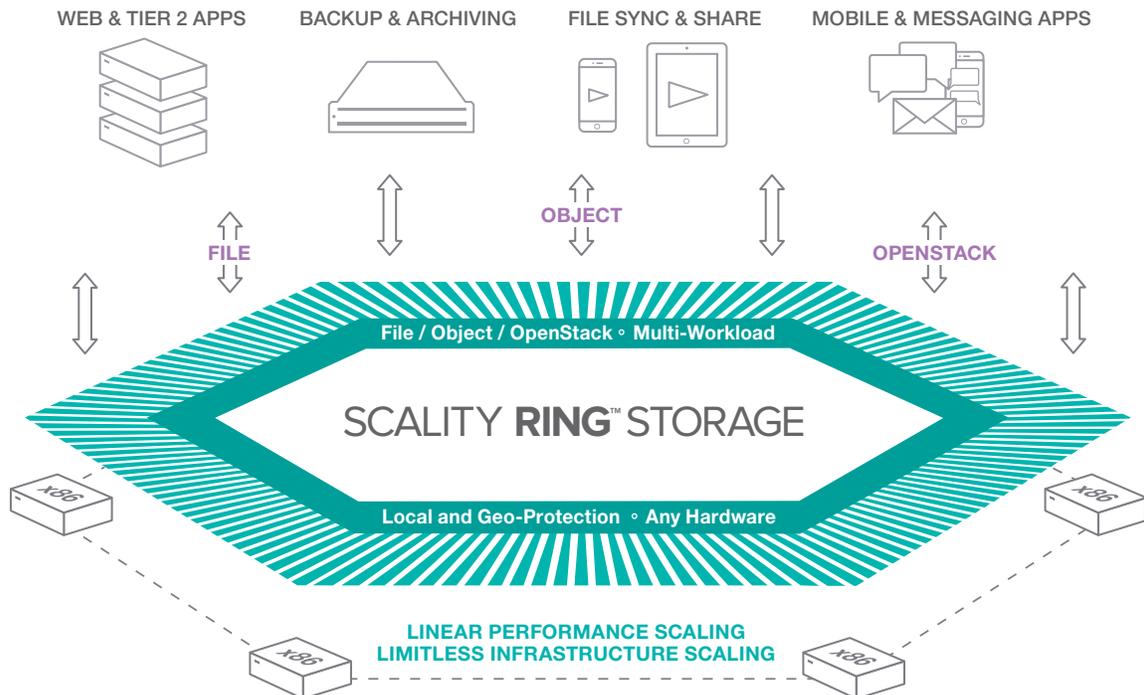
### Every Enterprise that maintains their applications should be running a cloud

The traditional enterprise data center was built to support primarily transactional workloads. But enterprise data centers have evolved into much more complex environments, designed to serve multiple workloads such as shared file storage, backup & archiving, B2C cloud offerings and many legacy applications. Running such storage environments is very expensive: every storage system requires trained/certified staff, storage efficiency is difficult, and scaling out dedicated storage systems puts a heavy burden on the storage TCO.



### Scality RING is the only truly hardware-agnostic storage that can consolidate 80% of your Enterprise data on a single infrastructure

Enterprises are looking to replace storage silos with systems that can match both the data types and the access patterns presented by their applications. The Scality RING is a software storage solution that enables enterprises to run multiple applications on a single, high-performance, 100% reliable storage infrastructure. The RING runs on standard servers, providing simpler support, deployment and hardware flexibility, and multi-generation hardware support. The RING has native interfaces for file, object, and OpenStack applications. The combination of software flexibility, multi-workload consolidation, and high scale and availability reduces total costs up to 90%.



## Scality RING benefits

- > Ubiquitous storage platform: file, object, and OpenStack storage capabilities and mixed workload support
- > Enables one storage “platform” across organizations: centralizing strategy, budget, and resources
- > Lower TCO
- > Unbundles hardware cost from software (provides stronger purchasing power)
- > Hardware can be mixed and matched to dial economic position based on criticality of data
- > Improved storage utilization through consolidation and improved efficiency through erasure coding

## Customer references

### French Ministry of Defence

This government agency deployed a 3PB Scality RING storage cloud for a range of internal applications, including enterprise backup and file sync 'n share. Additional applications are being evaluated for integration. The Agency leverages key RING features including support for mixed workloads, multiple protocols (SMB, NFS, and REST are used) and the hardware-agnostic architecture: the RING runs on a mix of different hardware platforms from multiple vendors. This customer’s RING has been deployed over four sites and is being managed through the RING Supervisor by a remote team in a fifth location. Additional benefits are the easy support (a benefit related to the clear hardware/software separation) and overall low TCO, partly because of the low management effort.

### International Bank

A global banking and financial services company is deploying a Scality RING for Private Storage Cloud services. Historically the bank has used traditional storage within silos of infrastructure to support mission-critical applications. But due to growing data sets and the need to keep several copies of data in different sites, those traditional storage solutions no longer meet the bank’s requirements:

- > Most applications require high I/O performance: add in the replication I/O requirements for cross-site protection, and the storage systems themselves became a bottleneck, leading to a never-ending upgrade cycle.
- > Each upgrade/new storage purchase required data to be migrated from old storage to new, further increasing I/O performance requirements during data migration.
- > Another concern was the risk of data loss during long rebuilds. As disk devices go from 3TB to 4TB to 6TB, the time it takes to rebuild disk failures in RAID arrays lengthens considerably.

Scality’s software-defined storage solution has demonstrated the ability to tackle the shortcomings of traditional storage. A key advantage of the Scality RING is its ability to use spare resources to recover from hardware failures and to easily upgrade existing servers, storage, and networking hardware—in place—to scale performance or capacity. As a result, upgrading old hardware with new components can be very simple, fast and cost effective.



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