Scalable storage at cloud economics

HPE Service Provider Ready Object Storage with Scality

Reduce time to value with a reliable, scalable storage solution that matches the cost-efficiency of the largest cloud players with the size and speed needed to support any of your customers’ data applications.

Dealing with data storage

Services and apps are demanding more storage than ever, and as your customers store more data in the cloud, your storage quickly expands to petabytes and exabytes. Traditional storage systems struggle to handle massive amounts of data quickly and efficiently. Meeting customer needs requires high-performance access with cost-effective scalability, high availability, and data durability. Enter in object storage, a new model of data storage, offering petabyte scalability through the use of innovative software running on industry-leading HPE hardware. Unlike most, the object storage system from Hewlett Packard Enterprise also provides native support of applications.

Enable new use cases and faster time to market

Public-cloud scale at competitive prices

Hosting on a public cloud may not meet cost or data-control requirements for customers. A local storage service based on Scality RING offers a viable alternative along with several business advantages. HPE Service Provider (SP) Ready Object Storage with Scality provides a scale-out architecture that is flexible and efficient, making it easier to deliver new services while lowering the cost of storage and simplifying management. Designed from the ground up to manage petabyte requirements, the RING architecture enables you to seamlessly and cost-effectively scale while allowing you to use any combination of media (SAS, SATA, or SSD). The RING uses a distributed, shared-nothing architecture for flexible storage that delivers unsurpassed resilience, high-performance data access, and low latency.

Purpose-built infrastructure options

HPE servers deliver proven, reliable, and cost-effective infrastructure for high-density, power-efficient data centers, meeting service provider industry-standard requirements.

The power and flexibility of the new density-optimized HPE Apollo or HPE ProLiant DL systems create a robust object storage solution that scales linearly as a single protected system across multiple sites and thousands of servers. HPE Apollo systems are purpose-built for efficient object storage at petabyte scale. For service providers who want a smaller failure domain for their storage offering or a lower cost of entry, the HPE ProLiant DL380 Gen9 Server is the traditional workhorse ready to provide reliable fast storage. Both systems can be controlled via a user-friendly graphical interface (GUI) or via a command line interface (CLI).
HPE SP-Ready Object Storage with Scality provides low upfront investment and TCO with capacity efficiency through erasure coding, helping to lower ongoing operational expenses by eliminating future data migrations and reducing the labor required to manage petabytes of data. With Hewlett Packard Enterprise and Scality, you can remain cost-effective while providing better SLAs and performance than traditional enterprise storage systems. And the HPE and Scality certified ISV portfolio, including iTernity for data archiving and Veeam for backup, enables you to generate more revenue on top of this platform. The RING satisfies today’s needs, enables faster time to market for new services, and provides the scalability and price points you need for the future.

**HPE Data Management Services**
Adopt new services in new markets with the help of Hewlett Packard Enterprise and Scality’s ISV portfolio. Reduce risk, enhance customer experiences, and gain competitive advantages by leveraging the skills and experience of HPE Pointnext Data Management experts to help you analyze your data.

### Figure 1: Object storage

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### Hardware
HPE purpose-built hardware, including HPE Apollo or HPE ProLiant DL systems, reduce service delivery costs with an efficient, scalable, and workload-optimized infrastructure.

### Software
Incorporate everything required to configure, deploy, and operate a basic RING—including Scality RING Multi-Geo to support geo-redundancy between data centers.

### Services
A wide range of HPE services offer you the flexibility and expertise needed to thrive in this rapidly evolving service provider market. Pay as you go programs, for instance, enable Service Providers to pay for just what they need. Realize days to hours time reduction with HPE’s factory customization and integration program. Leverage HPE Pointnext Scality expertise to build the solution based on experience.

### HPE Financial Services
HPE Financial Services is uniquely positioned to help accelerate your move to the data center of the future with a broad portfolio of flexible investment and transition solutions. Maintain your technology stride and finish ahead with the right IT investment strategy for your business.

### Find out more
Give your data storage an edge that you can pass on to your customers. Contact your HPE representative to find out more about HPE SP-Ready Object Storage with Scality.

Learn more at [hpe.com/info/sp](http://hpe.com/info/sp)