

Scality achieves extreme throughput for private cloud provider in partnership with Loadbalancer and HPE

A leading private cloud provider sought resilient, scalable, high-performance object storage infrastructure to form the bedrock of their entire service delivery and operational model.

Scality chose Loadbalancer and HPE to provide the commercial flexibility and expertise needed to complement their solution, delivering the throughput speeds necessary to secure and deliver this large project.


**Hewlett Packard
Enterprise** **SCALITY**

Working with Loadbalancer and HPE means we can deliver industry-leading performance.

This customer is now primed to support the most demanding workloads, ensuring rapid expansion and a seamless user experience.”

Chris Harvey,
Worldwide Director of Sales Engineering,
Scality

Challenges

- Need for a load balancing vendor and hardware provider with extensive storage expertise who could seamlessly integrate with Scality RING to handle extreme throughput demand and rapid infrastructure expansion

Solution

- Precision storage for optimum performance
- Capability to manage AI data at exabyte levels
- Guaranteed high availability across multiple sites

Benefits

- Provision of an end-to-end storage solution
- Seamless integration and joint delivery of: proof of concept, technologies, support, validated documentation, working practices, onsite-meetings, workshops, and SLAs

Challenge

A private cloud provider set out to redefine cloud infrastructure with a groundbreaking project to deliver a sovereign private cloud for its customers.

They needed to meet the stringent security and compliance standards mandated by governmental entities and secure organizations, while serving thousands of simultaneous users.

Given the importance of the project, they approached Scality, the leading object storage solution provider for large, unstructured datasets. However, Scality was unable to fulfill the contract in isolation.

"We needed to offer an end-to-end storage solution with validated partners that could help meet the resilience, scalability, and throughput demands of the project," said Scality's Worldwide Director of Sales Engineering, Chris Harvey.

Solution

To address these multi-faceted requirements, Scality approached HPE and Loadbalancer, bringing together their top-tier storage expertise, commercial flexibility, easy integration, and precision storage solutions for peak performance.

Together, the three partners were able to offer the private cloud provider the following, securing the contract for Scality:



- Loadbalancer provided hundreds of high-performance load balancers, across several high capacity segregated object storage clusters, as well as application delivery and global server load balancing—ensuring extraordinary throughput speeds.
- HPE provided the compute and storage hardware, forming the resilient and scalable foundation.
- Scality deployed their RING object storage solution, designed to handle hundreds of petabytes (PTBs) of data with the agility to expand seamlessly.

Together, Scality, Loadbalancer and HPE created multiple clusters across multiple data centers, delivering unmatched performance and scalability, with baked-in resilience.

Benefits

This full-spectrum storage solution delivered the following benefits for this private cloud provider:

- Enhanced security: Independent private cloud clusters ensure uncompromised operations, even in the face of localized incidents.
- High performance: With over 200 PTBs of storage capacity and exceptionally high throughput speeds, the platform seamlessly supports thousands of concurrent users.
- Exascale AI-readiness: The infrastructure is optimized for advanced AI workloads, enabling real-time analytics and machine learning applications on an exascale data management platform.
- Reliability and scalability: The coordinated integration of HPE, Scality, Loadbalancer ensures continuous availability and streamlined future expansions.
- Operational empowerment: Internal teams benefit from enhanced training and tools, reducing reliance on external engineers and fostering a trust-based, autonomous service model.

As Chris Harvey, Worldwide Director of Sales Engineering at Scality explained, by leveraging this storage ecosystem we were able to help this private cloud provider successfully reimagine their cloud infrastructure, addressing not only their immediate needs for scalability, performance, and security, but also setting the stage for advanced AI-driven operations.



Working together with Loadbalancer meant we were able to solve the specific challenges of this large scale project."

With the successful launch and anticipated rapid expansion of infrastructure over the coming years, they have positioned themselves as the market leader in secure, high-performance cloud services across their region.

