Enterprise Load Balancer for Cloudian HyperStore

Cloudian and Loadbalancer.org enable organizations to provide highly-available, exabyte-scale storage for capacity-intensive workloads

Cloudian HyperStore solves major storage challenges with the industry’s most compatible Amazon S3 API. Combined with Loadbalancer.org’s expertise in object storage, this allows customers to scale seamlessly through proven hyperscale architecture.

The Loadbalancer.org appliance will distribute network traffic across multiple HyperStore nodes, guaranteeing application uptime and scalable performance. This comes with enterprise-grade application delivery, security and visibility.

HOW IT WORKS

The load balancer sits in front of multiple HyperStore nodes. Four virtual services are used to load balance the different aspects of HyperStore:

- **CMC** - for Cloudian Management Console requests.
- **S3-HTTP** - handles requests from S3 client applications via HTTP.
- **S3-HTTPS** - handles requests from S3 client applications via HTTPS.
- **API** - handles API requests via HTTPS.

SINGLE SITE SCENARIO

In a single site scenario, multiple HyperStore nodes and two load balancers (configured as a high-availability pair) are deployed to ensure redundancy. Clients access the HyperStore nodes via the virtual IP address (VIP).

KEY BENEFITS

**Performance at scale**
Add HyperStore nodes to a cluster as data demands increase.

**High availability**
Monitor node health and distribute the workload.

**Flexible deployment options**
Single-site, multi-site and hybrid cloud.

**High-speed networking**
10GbE to 40GbE and beyond.

**Seamless maintenance**
Bring nodes offline in one click.

SUPPORTED PRODUCTS

**Enterprise 10G**
Hardware load balancer for 10GbE networks.

**Enterprise 40G**
Hardware load balancer for 40GbE networks.

**Enterprise VA MAX**
Virtual load balancer for software-only deployments.
Cloudian and Loadbalancer.org both specialize in reducing infrastructure complexity through intelligently designed and infinitely scalable network architecture. Users across many industries - including medical and media - are facing rapid increases in data, with storage demands intensifying as technologies progress.

The Cloudian and Loadbalancer.org partnership offers an answer to this challenge. Customers can enjoy the benefits of object storage in their own data centers, thanks to indestructible, enterprise, scale-out solutions.

External clients can either be bound to a particular site, or to protect against site failure, the load balancer’s built-in global server load balancer (GSLB) can be leveraged to provide intelligent DNS name resolution & site connectivity.

Contact your Cloudian representative or Loadbalancer.org directly with your specific storage requirements - and get fast, expert help.

www.loadbalancer.org/cloudian
www.pdfs.loadbalancer.org/CloudianHyperStoreGuide.pdf

Cloudian® is a Silicon Valley-based file and object storage company specializing in S3 API storage systems. With technology roots in the large-scale enterprise message space, Cloudian introduced its object-based platform, HyperStore®, in 2011. Cloudian products are offered by partners including Amazon, Lenovo, Cisco, Hewlett Packard Enterprise, and QCT, and by reseller partners worldwide.

Loadbalancer.org's specialist engineers help design and simplify architecture, taking a consultancy-led approach which guarantees painless deployments every single time.