

Enterprise Load Balancer for Clouidian HyperStore

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

Clouidian 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.

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.

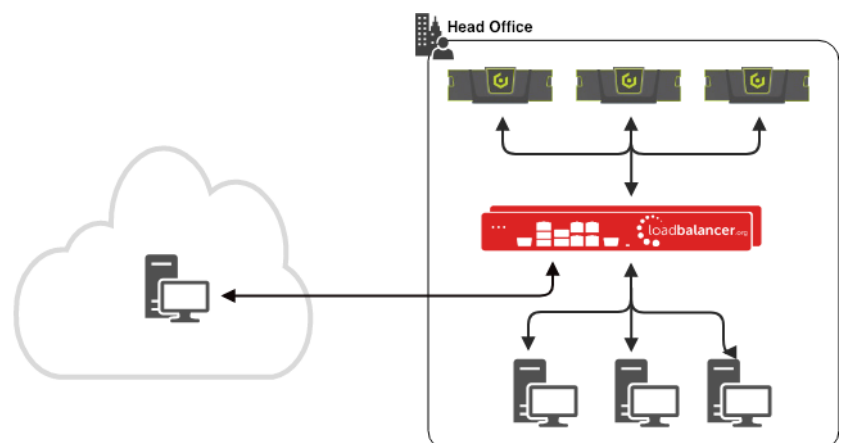
HOW IT WORKS

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 Clouidian 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.

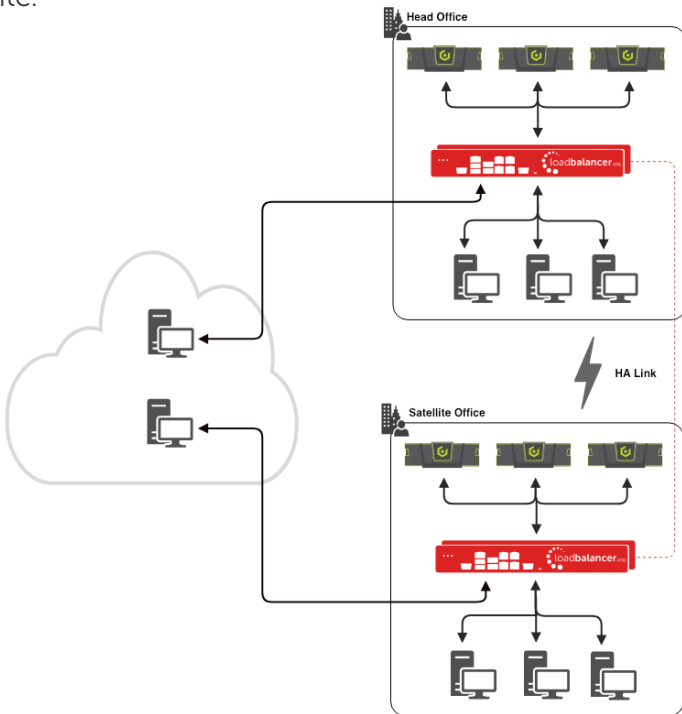
SINGLE SITE SCENARIO

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).



MULTI SITE SCENARIO

Under normal conditions, each site works as described in the single site scenario. Should all HyperStore nodes in one site become inaccessible, local client traffic is routed to the virtual IP address presented in the other site.



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.

WHY LOADBALANCER.ORG AND CLOUDIAN

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.



GETTING STARTED & RESOURCES

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

ABOUT LOADBALANCER.ORG

Loadbalancer.org is a renowned international provider of reliable, versatile and cost-effective application delivery products and services. The load balancer experts provide an unbreakable solution to issues of availability and scalability, ensuring zero downtime for critical IT applications.

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

ABOUT CLOUDIAN

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.

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