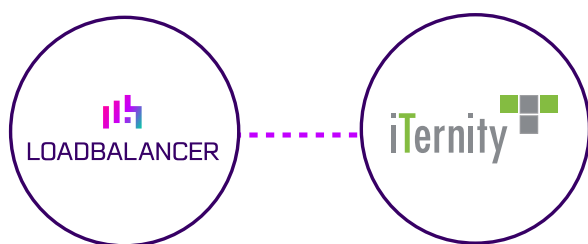


Integrating iTernity iCAS FS with Loadbalancer.org for supercharged scalable storage

In today's data-driven world, long-term data retention and archiving are more critical than ever. Organizations need a storage solution that is not only scalable and cost-effective but also provides unwavering performance and availability.



Tackling the challenge of performance and availability at scale

Managing high-volume, multi-node clusters presents a number of challenges.

Without an intelligent application delivery solution, individual storage nodes can become overloaded, leading to performance bottlenecks, slow access to critical data, and potential downtime.

A single point of failure can disrupt access to your entire archive, significantly jeopardizing critical storage workflows and business continuity.



KEY BENEFITS



Seamless scalability

As data demands increase, new nodes can be easily added to the iCAS FS cluster, with the Loadbalancer appliance automatically including them in the traffic distribution, ensuring seamless scalability without any performance degradation.



High availability

The Loadbalancer appliance continuously monitors the health of each iCAS FS node. If a server fails or becomes unresponsive, the joint Loadbalancer and iCAS FS solution automatically detects the issue and redirects all traffic to the remaining healthy nodes, ensuring continuous availability of archived data around the clock.



Better performance

By ensuring iCAS FS workloads are intelligently and evenly distributed, the load balancer prevents any single server from becoming a bottleneck. This ensures consistently fast access to archived data and more efficient use of the resources available.



Harnessing the power of iCAS FS for data retention

The collaboration between Loadbalancer and iTernity iCAS FS provides a powerful, integrated solution that addresses the complexities of managing a high-volume, multi-node storage cluster, offering a powerful solution for long-term data retention and archiving.

Its data immutability features ensure that information remains unchanged and protected against deletion or manipulation for a set period, which is crucial for meeting legal and regulatory requirements.

iCAS FS's hardware-agnostic, software-defined design also allows it to run on standard, low-cost x86 servers, eliminating vendor lock-in and reducing capital expenditure. This approach, combined with its ability to offload data from more expensive primary storage, results in a lower total cost of ownership compared to public cloud alternatives.

Optimizing iCAS FS with Loadbalancer.org

Loadbalancer's Enterprise appliance acts as an intelligent traffic manager for iCAS FS nodes, eliminating the bottlenecks and single points of failure that are common in scale-out storage. This enhances the security, resilience, and accessibility of critical data.

By intelligently routing traffic, the Loadbalancer appliance provides high availability, automatically redirecting requests to healthy nodes if one fails. This ensures business continuity and uninterrupted access to the data archive, which is essential for compliance and operations.

This combined solution provides customers with peace of mind. Not only is their data protected by iCAS FS's immutability and self-healing features, but it's also continuously available and performing at peak efficiency.

Next steps

Loadbalancer is the engineers' choice for smarter load balancing. Our intuitive ADC is designed to save time and money with a clever, not complex, WebUI, reducing complexity for a difference you can see in just minutes.

Find out how our products can help you to scale your AI workloads, with powerful, user-friendly application delivery solutions from the load balancing experts.

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