



ViaWest Load balancer

Web traffic can exceed server capacity in the blink of an eye. Planned sales promotions, celebrity endorsement, viral videos, unplanned events, etc., can all be responsible for an above average traffic count; however, if your site is down or resources are at capacity, your business suffers. In a digital age where your users require instant access to high-performing applications, sluggish response times or limited access could result in lack of user confidence and damage your business image, revenue generation and productivity. While getting an influx of traffic to your site may not be a bad thing, the sudden popularity could hinder response times or obstruct legitimate traffic from paying clients.

A load balancer provides a solution to distribute web traffic across multiple servers, enabling a highly available and reliable solution to handle large traffic volumes, localized server outages, testing situations and blue/green deployments.

ViaWest Load Balancer

ViaWest offers a layer 7 load balancer that delivers scalability and reliability for enterprise and web applications. Regardless of cloud platform—public, private, hybrid, community, or multi-cloud—the ViaWest Load Balancer offers a flexible and scalable solution to reduce the strain on cloud environments by distributing the traffic across multiple resources, boosting performance.

The ViaWest Load Balancer administration is accessible through the ViaWest Client Center where you can view real time traffic analytics and adjust the configuration. The Client Center can also be used to spin up additional virtual machines, scale existing resources up or down, set alerts, file tickets, view performance and security logs and more.

The ViaWest Load Balancer can analyze traffic and offers techniques to ensure requests are optimized by sending traffic to an appropriate web and application server based on configuration.

ViaWest Load Balancer Features

High availability

The ViaWest Load Balancer can assist in creating a high availability web tier solution combined by mirroring production environments across multiple servers. The traffic can be balanced in real-time based on certain criteria like current connections by using an active/passive or active/active configuration.

Intelligent and configurable load balancing

The ViaWest Load Balancer analyzes the traffic based on metrics such as fastest response times and least connections to intelligently select the path that will provide the user with optimal performance.

The ViaWest Load Balancer can be configured to adjust the algorithm which determines what server incoming traffic should be passed to. These methods include:

- Round robin
- Random
- Fastest response time
- Weighted lease connection based
- Least connection based
- Weighted round robin

Session persistence

You can use the ViaWest Load Balancer to choose from multiple session persistence settings to ensure your system is communicating with the same backend or server throughout their session. The ViaWest Load Balancer allows you to set:

- AS session persistence
- IP-based session persistence
- J2EE session persistence
- Application cookie session persistence
- Transparent session affinity
- SSL session ID session persistence

Testing and debugging assistance

The ViaWest Load Balancer can be used for testing and debugging purposes by allowing you to configure balance failure classes and configuring the load balancer to always choose the first node in a pool.

Custom event/action configurations

Event handlers can be set to specify the actions that the ViaWest Load Balancer should perform when a particular event-type occurs. When the event handler is triggered, the ViaWest Load Balancer will perform the specified actions.

Active monitoring

The ViaWest Load Balancer offers health monitoring of nodes with more granular features to intelligently prune and add back nodes to the pool. Additionally, you can enable application cookie persistence to monitor a named cookie in the HTTP response from the node, enabling service protection classes.

SSL enablement

The ViaWest Load balancer allows you to enable SSL decryption and offloading.

Enhance Your Website Performance

Web traffic can be unpredictable in a time when internet access is constantly available to your users. Whether it's a client-facing application, or a business application, being able to quickly distribute traffic to optimize user performance on your service is vital. The ViaWest Load Balancer can greatly enhance performance of your servers by intelligently distributing traffic, accelerating applications and enabling high availability.