

Agile Load Balancing powered by Brocade®

Ensure best user experience by load balancing your servers.

Simple to Implement - Optimized Network Performance - Minimized Additional Investment

Business growth means increased server loads, impacting performance, availability and cost. Most importantly, when servers become overloaded, user experience suffers. Slow interaction between users and the web creates user frustration, obstructs business and hurts revenue.

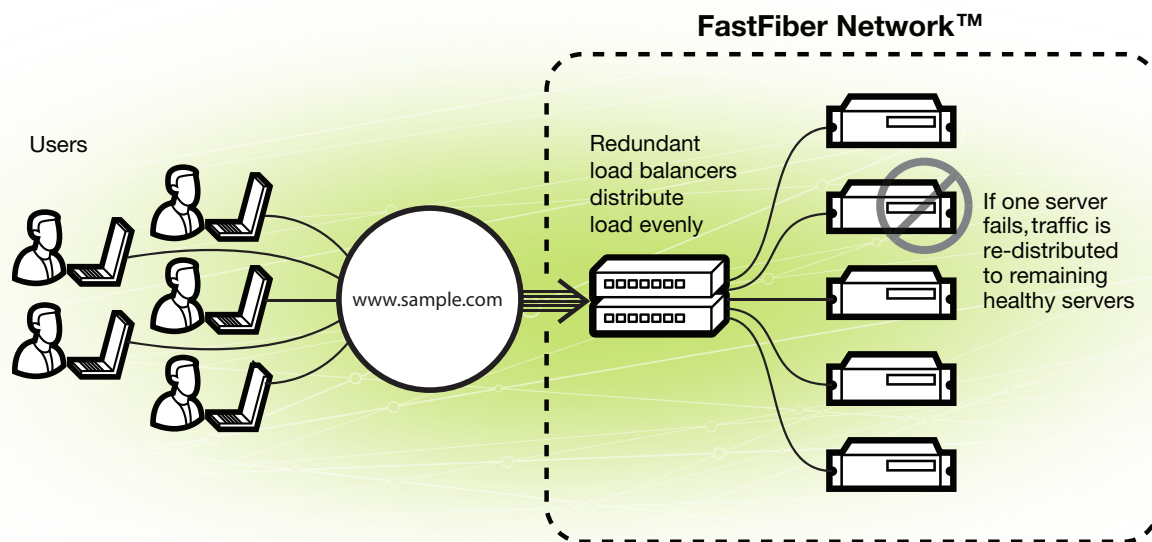
TRADITIONAL SOLUTIONS MEAN TRADITIONAL INVESTMENTS

Brute force solutions work, but they're poor investments. Dedicating applications to specific servers leaves some servers overworked, and others often idle. Upgrading hardware and adding additional machines means more money invested, which impacts ROI.

AGILE LOAD BALANCING IS THE LOW-COST ANSWER

PEER 1 Hosting provides an easy way to prevent server overload with **Agile Load Balancing**. Load balancing is the most efficient and cost-effective method to leverage your existing investment, adding capacity, scalability and peak performance without adding cost or resources. It's ideal for high-traffic applications with static content such as web or FTP servers.

Agile Load Balancing ensures that traffic gets distributed to the least-used server, maximizing your existing resources, decreasing total cost of ownership (TCO), and ensuring a smooth and frustration-free experience for your users.



UNDER THE HOOD

Agile Load Balancing uses a pair of Brocade® ADX or ServerIron® in active/active mode for redundancy. These are configured to allow different groups of servers (server farms) to appear as a single “virtual” server that shares a single “virtual” IP address. You assign this IP to any domain name, just like a real IP. When requests come in on this virtual IP, the Load Balancer then distributes the traffic to the least-used server, maximizing your existing resources, decreasing TCO, and ensuring a smooth and frustration-free experience for your users.

BENEFITS

Best Investment. Agile Load Balancing leverages your existing investment to manage traffic, adding capacity, scalability and peak performance without adding cost or resources.

Increases Capacity. Using a “least-sessions” algorithm, requests are distributed amongst multiple servers hosting the same application, allowing more users to reach your application. If “Least-sessions” does not fit your solution there are other options such as “Round Robin”, “Random”, and “Weighted” allocation algorithms are also available.

Delivers Reliable User Experiences. By carefully distributing your user traffic only to healthy servers across your server farm, Agile Load Balancing helps ensure an uninterrupted, unobstructed experience for every user at any time.

FirstCall Support™. FirstCall Support means you have to make only one call to us to be certain of a rapid resolution. We do that through our talented support team, formed of Level II and III System Administrators with an average of five years tenure with us. And that team is available to all Agile Load Balancing customers, every minute of every day.

FEATURES

Managed ServerIron and Brocade ADX Load Balancers. PEER 1 Hosting uses Brocade ServerIron® or ADX Load Balancers to distribute traffic to the server with the least sessions. Traffic is distributed among the servers without restrictive cooperation or content sharing between the load balanced servers. The Brocade ADX Load Balancers are run in active/active mode to ensure redundancy.



PEER 1 Hosting fully manages the load balancers to ensure that the configurations are set to your specifications.

On-demand Scalability. Servers can be easily inserted or removed from the server farm, allowing you to react quickly and resize your web presence to match demand without costly server upgrades.

Simple, Three Step Process

1. *A Virtual IP (VIP) is assigned to the application to be load balanced.*
2. *Different groups of servers (server farms) appear as a single “virtual” server that shares a single “virtual” IP address.*
3. *Requests come in on this virtual IP, which you can assign to any domain name, just like a real IP.*

High Availability, High Redundancy. Since servers are automatically removed from the farm when health checks fail, Agile Load Balancing ensures peak availability for HTTP, SSL, and FTP applications.

Sticky Sessions. Some functions, like e-commerce, require sessions to remain on the same server. On request, we'll set up sticky sessions, which preserve session state by sending successive requests from the same client to the same server.

FEATURES *continued from previous page*

IP Address Setup. PEER 1 Hosting will handle IP setup for you, as well as the server side configurations to ensure the Agile Load Balancing service is functioning as expected.

Available Operating Systems. Available on current Managed Hosting operating systems - Windows and Red Hat Enterprise Linux.

Choose Shared or Dedicated Load Balancers. If your hosting needs demand it, we offer Agile Load Balancing with load balancers dedicated only to your servers.

REQUIREMENTS

- Servers should have similar hardware and applications.
- Changes made to the code/application on one server should be reflected on the other server(s) in the rotation.

CONTACT US TODAY

- Call us at **1.866.579.9690**
- Go to **www.peer1.com** and chat with an online sales assistant.