

# AVANU® WebMux Network Traffic Manager

It Is All About the User Experience  
on Your Network and  
Keeping Everyone Connected™

## WebMux Network Traffic Manager with Global Server Load Balancing (GSLB)

The AVANU WebMux Network Traffic Manager is a proven and reliable enterprise-class network load balancing solution with Application Delivery Network (ADN) and Global Server Load Balancing (GSLB). It manages, controls, and secures local network traffic for high availability of applications and services with geographic affinity and disaster recovery.

Application delivery network load balancing within a network is essential for server high availability, directing clients to the next available server should a server go down.

On a larger scale, whether the network is on-premise or hosted in a public data center, a major catastrophe (power loss, Internet connection loss from equipment failures, or disasters from natural causes) can occur bringing down the entire site.

The livelihoods of businesses and people have become highly dependent on networks and Internet connections for their information and communications. A downed site would have tremendous impacts on both the internal user organization's operation and clients' access to your site.

With today's demand on network resources, this is when a business should highly consider building a Disaster Recovery (DR) site at another physical location to avoid the impact of a downed network from a large-scale catastrophe.

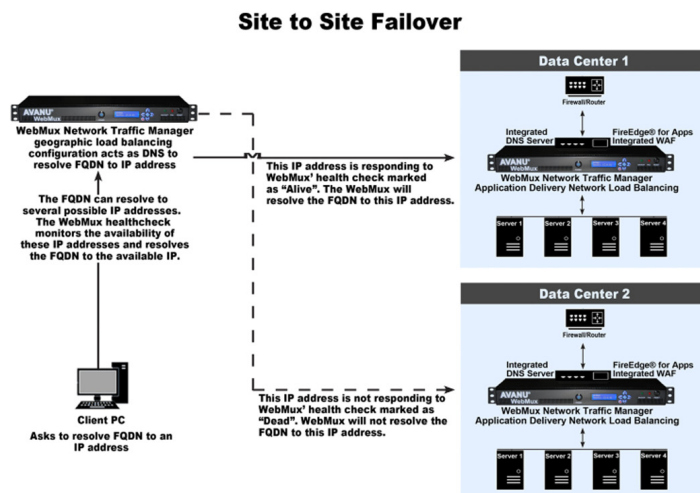
Having DR sites in your network infrastructure setup requires global server load balancer functionality to manage and control the traffic from a downed network to a live network for high availability.

A site uses a Fully Qualified Domain Name (FQDN) that is resolved to an IP address by a Domain Name Server (DNS). Normally, a site would operate under a single IP address and the DNS only has one IP address for the FQDN.

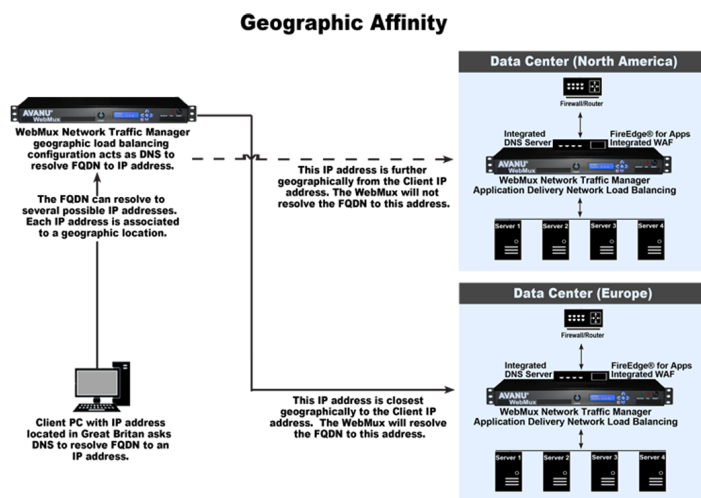
When multiple sites for DR are set up, each location requires a unique IP address. With a typical DNS, if a site is unavailable, it would be updated manually with a different IP address and the responsibility of checking the other site's availability has to be done by other means.

WebMux makes setting up a DR site fast and easy with its built-in intelligent Domain Name Server (DNS) that brings its geographic GSLB capabilities. This automates the process when a site goes down and there is nobody available to manually administer the failover to a DR site.

The WebMux global server load balancing feature allows multiple site IP addresses that can be associated to a single FQDN. These site IP addresses can be spread out geographically within a single country or in multiple countries.



WebMux also features a site health checking that monitors a site's IP address for availability before transferring the network traffic to a particular site location.



With the WebMux built-in geographic affinity services, it will send users and clients to the closest data center where your network resides by associating the user and client IP addresses to different geographic locations. This helps improve site response lag times and overall user experience.

With the WebMux Network Traffic Manager combination of application delivery network load balancing and global server load balancing between data center locations, there is greater disaster recovery control.

## About AVANU

AVANU designs and develops high quality, full-featured, and affordable products for IT infrastructure and data centers on-premise and cloud environments. AVANU adds value by placing customers first with a focus on easy product user interface and excellence in customer support services.

WebMux™ Network Traffic Manager is AVANU's flagship product for network high availability. It is an enterprise-class application delivery network (ADN) load balancing solution with global server load balancing (GSLB) for geographic disaster recovery and affinity services along with its integrated FireEdge™ for Apps Web Application Firewall (WAF).

AVANU® founded in 1997 and based in San Jose, California USA started as a computer network supplier and now is a privately held network infrastructure product developer with R&D, manufacturing, and production in the United States. Graduated from the U.S. SBA 8(a)/SDB program in 2015.

For additional information on the WebMux Network Traffic Manager, contact AVANU at [info@avanu.com](mailto:info@avanu.com), 1.888.248.4900 (US Toll Free), 1.408.248.8960 (International), or visit <https://avanu.com>.

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