



AVANU® WEBMUX™ NETWORK TRAFFIC MANAGER

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



Layers 4-7 Load Balancing Solution
High Performance • Reliable • Plug-and-Run
Customer-centric Design • Affordable

WebMux the affordable 64-bit strength full-featured plug-and-run load balancing solution for managing, controlling, and securing local network Layers 4-7 traffic

The WebMux Network Traffic Manager is a high capacity and full-featured product that meets the most demanding network traffic load balancing performance needs for an extensive range of TCP and UDP Internet protocol (IP) based applications and services. In 2005, Microsoft® chose WebMux as one of the first three hardware load balancers (HLB) to support its unified communications (UC) Live Communications Server platform (today's Skype® for Business Server 2015), because of WebMux's excellent features, performance, reliability, and affordability. WebMux has evolved providing load balancing functions to many popular applications from other world-class companies including Cisco®, IBM®, and Oracle®. Applications and services include Lync® Server, Exchange® Server, SharePoint®, WebLogic®, WebSphere®, UC (unified messaging, IM presence, team collaboration, audio/web/video conferencing, mobility, and VoIP), databases, FTP, POP, terminal servers, and web servers to name a few.

WebMux load balancing features are developed on the powerful 64-bit processor platform using intensive algorithms that provide the high capacity, reliability, and availability to manage, control, and secure local network Layers 4-7 traffic. AVANU adds value by being customer-centric by placing customers at the center of the product design, from the standpoint of the user's interface, features, and customer support. The WebMux setup and configuration wizards remove the need for any scripting and make the deployment of WebMux quick and easy.

The different WebMux models offer performance scalability supporting gigabit to 10-gigabit Ethernet interfaces and come with a 2-year product warranty (parts and labor) with 1-year product technical support and firmware updates.

WebMux Network Traffic Manager, the affordable full-featured and high capacity performing solution that supports your demanding network traffic load balancing requirements.

Power of Performance

- 64-bit processing platform (removes memory performance limitations found with 32-bit platform processing)
- Up to 16-core processors for highly-efficient threaded operations
- High throughput performance
 - Model A600X - up to 20GB (10GbE)
 - Models A500X/A500XD - up to 3.8GB
 - Model A400X/A400XD - up to 1.7GB

Extensive Features (Included in all WebMux models)

- Four load balancing operation modes
 - One-Armed Single Network
 - One-Armed Direct Server Return/DSR (formerly Out-of-Path/OOP)
 - Two-Armed Network Address Translation/NAT
 - Two-Armed Transparent
- Full-range load balancing scheduling methods
 - Least connections, least connections-persistent, round robin, round robin-persistent, weighted fastest response, weighted fastest response-persistent, weighted least connection, weighted least connections-persistent, weighted round robin, weighted round robin-persistent
- Robust security
 - Denial of Service (DoS) & Distributed Denial of Service (DDoS) protection, TCP/SYN protection, Flood Control® cybercrime protection developed for the Department of Defense provided services (additional IP level protection for DDoS attacks), IPv4 to IPv6 translations (supports IPv6 client requests to IPv4 servers), TCP SYN protection, HTTPS/SSH management, up to 8192-bit TLS/SSL encryption strength, TACACS+ and LDAP authentication, and Payment Card Industry/PCI compliant)
- 5,000 servers (real or virtual) supported

Reliability

- High grade server components
- Redundant hot-swap power supplies (supported on all models)
- 80 Plus Gold efficiency rated power supply
- Pulse-width modulation (PWM) smart cooling fans (high efficiency)
- Enhanced dual-boot feature

Ease of Use and Flexibility

- True plug-and-run installation with AVANU's no cost pre-configuration service option
- Easy front-panel LCD and GUI with intuitive setup and configuration wizards for popular applications and services
- Dedicated out-of-band and in-band management including remote power-on/power-off (A500X, A500XD, and A600X)
- SNMP and SMTP email notifications/alerts
- Trouble-free high performance and high availability
- Secure management
- Low maintenance

High Return on Investment

- Full extensive load balancing features on all models
- Self-contained (no royalty or extra hidden costs)
- Save on costly manpower hours to write scripts, configure, manage, and maintain
- No additional maintenance contract required with purchase (WebMux comes with 2 full years product warranty-parts and labor and a full year of new software feature updates and fixes with product technical support)



How does WebMux compare?	AVANU	Vendor A	Vendor B
Processing platform	64-bit	64-bit	64-bit
CPU processors (up to)	16	12	Dual
Free Pre-configuration (plug-and-run)	Yes	No	No
GUI with setup and configuration wizards	Yes	No	No
Scripting required (Costly manpower \$)	No	Yes	Yes
Product warranty (parts & labor)	2 year	1 year	1 year
New software features updates & fixes	1 year	90 days	90 days
Product technical support	1 year	90 days	90 days
Total Cost of Ownership (TCO)	\$	\$\$\$	\$\$\$

Other common names for network traffic management products include load balancer (LB), hardware load balancer (HLB), network load balancer (NLB), local traffic manager (LTM), and application delivery controller (ADC).

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