Virtual WebMux™ the affordable and cost-effective full-featured load balancing solution for managing, controlling, and securing cloud computing network Layers 4-7 traffic
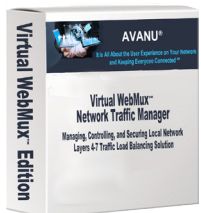
Virtual data centers and cloud computing (private and global) continue to accelerate in popularity due to the simplicity of automation, scalability, and up-front costs. The Virtual WebMux Network Traffic Manager plays a critical role in these environments for load balancing the network traffic of the different applications and services assuring users data is delivered reliably to its intended destination. The WebMux load balancing features have over a decade of development using intensive algorithms that provide high capacity, reliability, and availability to manage, control, and secure IPv4 and IPv6 TCP and UDP protocols, applications, and services.

The product's added value includes the overall customer-centric design with setup and configuration wizards for popular applications and services that make for optimal deployment quick, easy, and highly reliable.

Virtual WeMux Network Traffic Manager is the affordable and cost-effective full-featured and high capacity performing solution that supports your demanding cloud computing network traffic load balancing requirements. Virtual WebMux editions offer performance scalability supporting gigabit to 10-gigabits/s Internet link throughputs and come with a full-year product technical support.

Extensive Features

Four load balancing operation modes: One-Armed Single Network, One-Armed Direct Server Return (DSR), Two-Armed Network Address Translation (NAT), and 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, and weighted round robin-persistent

Robust security: Denial of Service (DoS) protection, Distributed Denial of Service (DDoS) mitagation, TCP/SYN protection, IP address filtering, 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, SSL (FIPS 140-2 Level 1), access control list system, and Payment Card Industry/PCI compliant)

SSL Support: SSL acceleration, SSL certificate signing request (CSR), support for TCP protocols, and support for third party certificates

Network Topologies: Direct Server Return (DSR), Full-NAT, and Half-NAT

IP Support: ASP, Basic Layer 2 protocols (e.g. STP, MSTP, RSTP, etc), DNS, FTP, HTTP, HTTPS (SSL), IMAP, LDAP, NNTP, POP3, Radius, RDP (Terminal services), SMTP, SNMP, SSH, streaming media, TCP/UDP based services, and TFTP

Other operation modes: Active/passive redundant operation, web-based application GUI and configuration wizard setup, application health checking, adaptive balancing, bonding/teaming ports (802.3ad/LACP), content encoding (HTTP compression), IP persistence, link interface bonding, reverse proxy, multiple gateway network failover, SSL termination/offloading, and multiple VLAN trunking (IEEE 802.1Q)

Other: Supports up to 4,999 virtual servers

Virtual Software Platforms
Microsoft® Windows® Server Hyper-V®
Oracle® VM VirtualBox®
VMware® ESXI™

Cloud Platform Supported
Amazon® Elastic Compute Cloud (EC2)/Amazon Web Services (AWS)
Google® Cloud
Microsoft AZURE®
VMWare vCloud® Air

TCP and UDP Internet Protocol (IP) based Applications and Services (Sampling of popular applications and services)

Apache® Server	Microsoft Skype® for Business Server 2015
CRM Systems	Microsoft Xbox® Live Games Server
IBM Websphere®	Mobile Device Management
Intranet Applications	Oracle E-Business Suite
Microsoft ADFS	Oracle WebLogic®
Microsoft AZURE-Hosted Workloads	Remote Desktop Services
Microsoft Dynamics	Unified Communications (unified messaging, IM presence, team collaboration, audio/ web/video conferencing, mobility, and VoIP)
Microsoft Exhange Server	
Microsoft IIS for Windows® Server	
Microsoft Lync® Server	
Microsoft .NET Custom Applications	VMware Horizon Suite
Microsoft Office Web Apps	Virtual Desktop Infrastructure
Microsoft Remote Desktop Services	Other general databases, FTP, POP, terminal servers, and web servers to name a few.
Microsoft SharePoint® Server	

How Does Virtual WebMux Network Traffic Manager Compare?

	AVANU	Vendor A
Processing platform	64-bit	64-bit
Free Pre-configuration	Yes	No
GUI with setup and configuration wizards	Yes	No
Scripting required (Costly manpower $)	No	Yes
Product technical support	1 year	90 days
Total Cost of Ownership (TCO)	$	$$$

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