LoadMaster™ VLM-DE
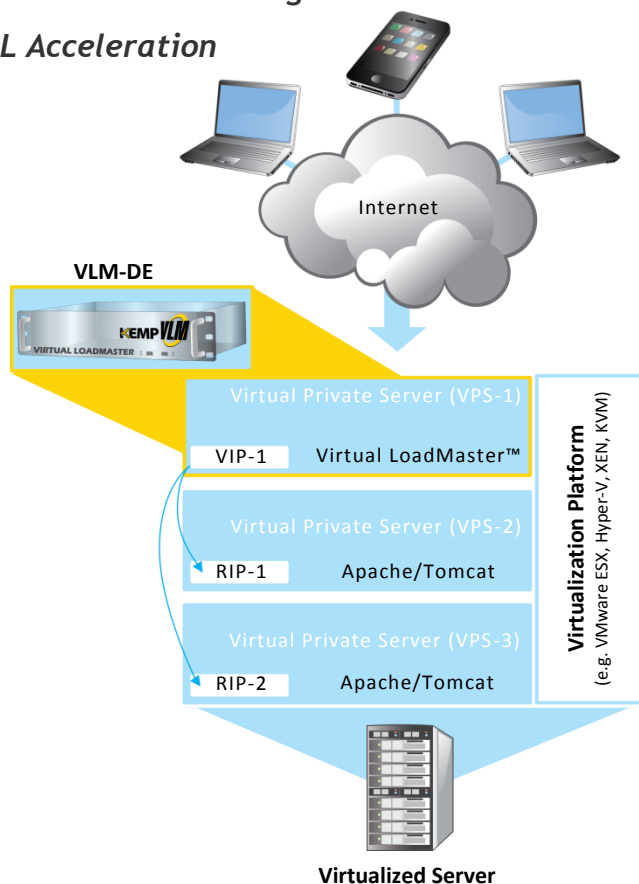
KEMP | **#1 Load Balancer** in price/performance

♦ *Application Delivery Optimization*

♦ *Server Load Balancing*

♦ *SSL Acceleration*

The Virtual LoadMaster™ Developer Edition (VLM-DE) is a feature restricted virtual appliance version of the award-winning LoadMaster™ family of advanced server load balancing and application delivery optimization appliances.

VLM-DE is specifically designed for non-commercial and non-production applications such as classrooms, labs and development. It supports up to 2 real servers per virtual service, does not include support for HA and only 2 network interfaces can be configured. The VLM-Lite can be deployed on any LoadMaster supported hyper visor including VMware, Hyper-V, XEN and KVM.

VLM-DE installs and runs as a hardened, 'Guest' operating OS/Application on a dedicated virtual machine. It provides the same features of the LoadMaster™ appliance including L4 load balancing, L7 content switching, SSL Offload, Server and Application Health Checking, IP and L7 Persistence, Caching, Compression, IPS and much more. All controlled by the same intuitive, easy-to-use Web User Interface as the hardware appliance version of the LoadMaster™.

Combining the latest advancements in Layer 4 and 7 server load balancing technology with high-performance hardware platforms, the LoadMaster™ is a value leader in purpose built Internet Traffic Management appliances.

Feature	Benefit
High Performance L4/7 Server Load Balancing	Ensures each user gets the best application experience possible
Server Hardware and Application Health Checking	Guarantees user requests will be directed to only "available" severs AND "available" applications.
IP and L7 Persistence	Ensures that users maintain continuous connections with the specific server where "their" transactional data is available – even if the IP address changes during session
Layer 7 Content Switching	Enables site administrators to optimize server traffic according to content type (images, multi-media, apps)
SSL Acceleration/Offload	Optimized server performance and user experience for encrypted application content
Compression, Cache	Reduces latency associated with internal network while further optimizing performance over existing ISP link
Intrusion Prevention Systems (IPS)	Helps thwart application-level threats, even with SSL- encrypted traffic

	VLM-100	VLM-1000	VLM-DE
Support Level Included	1st Year Gold	1st Year Gold	90 days email only
Max Real (Physical/VM) Servers	1000	1000	2
Max Virtual Services (VIP)	500	1000	1000
Max Balancer Throughput	100Mbps	Unrestricted*	100Mbps
SSL Transactions Per Second (TPS)	100	249*	100
Requests Per Second (http)	31,883*	31,883*	31,883*
L4 Concurrent Connections	2,000,000*	2,000,000*	2,000,000*
Licensing Model	MAC Locked	MAC Locked	Unrestricted
Max Network Ports	Limited by Host	Limited by Host	2
Layers 4/7 Load Balancing	√	√	√
Content Switching	√	√	√
Caching, Compression Engine	√	√	√
IPS (SNORT-Rules compatible)	√	√	√
L7 Cookie Persistence (Active/Passive)	√	√	√
MS Exchange 2010 Optimized	√	√	√
Pre-configured Exchange 2010 Virtual Services	√	√	√
Supports most other TCP/UDP IP Applications	√	√	√
Active/Hot-standby Redundant Operation	√	√	X

For a complete list of features refer to the VLM-100 or VLM-1000 datasheets available at KEMPtechnologies.com

[1] VLM Performance as tested on: Dell PowerEdge R410 Server, 1X Intel E5520 Xeon Processor, 2GB Allocated RAM, Intel PRO 1000PT Dual Port 1GbE NIC, PCIe-4, VMware ESXi v4.0. Actual performance will depend on allocated resources to Virtual Machine.

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