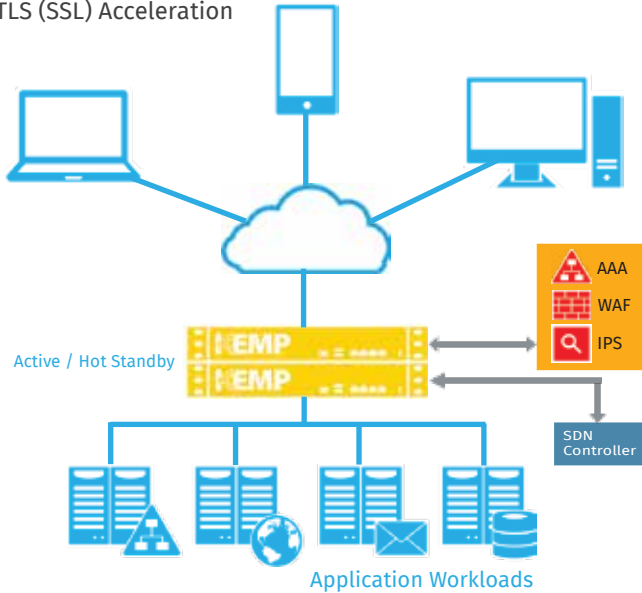


KEMP LoadMaster™

- Intelligent Application Delivery
- Server Load Balancing
- TLS (SSL) Acceleration



KEMP LoadMaster™ is an advanced Layer 4-7 load balancing and content switching application delivery controller. Multiple deployment options provides users the Flexibility to choose between hardware, virtual, hybrid cloud and server bare-metal LoadMasters, without sacrificing feature parity or management simplicity.

KEMP Technologies' LoadMaster™ line of Application Delivery Controllers integrates field-tested load balancer software with layer-7 content switching, SSL acceleration, application health checking, session affinity, caching, compression, web application firewall, intrusion prevention, pre-authentication and single sign-on.

Combining the latest advancements in Layer 4-7 application delivery technology with support for high-performance hardware and virtualization platforms, the LoadMaster™ is the load balancer of choice for providing high availability services in web, application and cloud infrastructures.

LoadMaster Key Features and Benefits:

Features

- Layer 4 / 7 Load Balancing
- SSL Offload
- Content Switching
- Content Caching and Compression
- TCP/IP Multiplexing
- Application Templates
- High Availability
- Microsoft TMG Replacement with Edge Security Pack
- Global Server Load Balancing (GSLB)

Supported Applications Workloads

- VMware Horizon View
- VMware Horizon Workspace
- VMware Log Insight
- Apache Server
- SAP
- Oracle JD Edwards
- Oracle E-Business Suite
- Oracle WebLogic
- IBM Websphere
- MobileIron MDM
- Edupoint Synergy
- Moodle

Supported Microsoft Workloads

- Exchange 2010 / 2013 / 2016
- Lync 2010 / 2013
- Skype for Business
- Remote Desktop Services
- Sharepoint
- Microsoft Dynamics
- Azure Public Cloud
- ADFS
- IIS

KEMP GEO LoadMaster – Global Server Load Balancing (GSLB) solution

GEO LoadMaster offers the ability to move past the single data center, allowing for multi data center high availability. Even when a primary site is down, traffic is diverted to the disaster recovery site.

GEO LoadMaster features:

- Directs web facing traffic to the closest and fastest performing data center through intelligent DNS responses
- Failover traffic from a data center suffering from an outage to another data center that has capacity available
- Apply business rules to traffic management algorithms to distribute requests across hybrid cloud infrastructures
- Syslog logging, email notifications, interface bonding, Gigabit support and application health checking.

KEMP Web Application Firewall (AFP)

KEY Solution Benefits

- Stay protected from latest threats with automatic rules updates
- Provide holistic application delivery by coupling security services with high availability, traffic optimization and SSL termination
- Fill security vectors in infrastructure by addressing application exploits typically undetected by traditional firewalls
- Optimize application performance by mitigating impactful malicious attacks
- Satisfy PCI Data Security Standards compliance needs

KEY Features

- Daily Rule Updates
- SQL injection protection
- Cross-site scripting mitigation
- Data leakage protection
- Cross-site request forgery (CSRF) prevention
- Cookie tampering prevention
- IP reputation checking

LoadMaster™ Appliances



KEMP's rack-and-go hardware load balancers feature up to 30 Gbps throughput & ASIC-based SSL acceleration.

	LM-3000	LM-3400	LM-4000	LM-5600	LM-8000	LM-8020	LM-8020M
Throughput (Gbps)	1.7	3.4	8.0	11.0	20.0	30.0	30.0
Gigabit Ethernet Ports	4	8	2	4	0	0	0
10Gigabit Fiber Ports (SFP+)	N/A	N/A	2	2	6	8	8
TSL (SSL) TPS (2K Keys)	1,000	2,000	3,000	10,000	16,000	30,000	30,000
TSL (SSL) TPS (1K Keys)	2,000	4,000	6,000	17,000	25,000	46,000	46,000
Layer 4 Concurrent Connections (millions)	8.6	8.6	15.2	26.5	75.8	75.8	300.0
Real Servers Virtual Servers Supported	1000 / 500	1000 / 1000	1000 / 1000	1000 / 1000	1000 / 1000	1000 / 1000	1000 / 1000
Web Application Firewall pack (AFP)	N/A	✓	✓	✓	✓	✓	✓
Edge Security Pack TMG Replacement (Authentication, SSO)	✓	✓	✓	✓	✓	✓	✓
GSLB Multi-Site Load Balancing ‡	✓	✓	✓	✓	✓	✓	✓
LoadMaster Clustering	N/A	N/A	✓	✓	✓	✓	✓
Redundant Hot-Swap Power Supply	N/A	N/A	✓	✓	✓	✓	✓
HTTP Compression	✓	✓	✓	✓	✓	✓	✓
Content Caching	✓	✓	✓	✓	✓	✓	✓
RESTful API	✓	✓	✓	✓	✓	✓	✓

‡ Feature supported via an add-on pack. Included as standard with the LM-8000, LM-8020, and LM-8020M.

Virtual LoadMaster™



KEMP's virtual load balancers provide all of the same features as our hardware product lines with scalability to 10Gbps of application throughput and 12,000 SSL TPS on all major hypervisors - ESXi, Hyper-V, KVM, Oracle VirtualBox, Xen.



Optimized for hybrid cloud infrastructure, KEMP's specialized IaaS/PaaS VLMs enable customers to seamlessly span workloads from their private datacenter to environments in Microsoft Azure, Amazon Web Services and VMware vCloud Air.

	VLM-200	VLM-2000	VLM-5000	VLM-10G
Hypervisors & Cloud Platforms Supported				
VMWare vCloud Air	✓	✓	✓	✓
Microsoft Azure	✓	✓	✓	✓
Amazon Web Services (AWS)	✓	✓	✓	N/A
VMWare, Hyper-V, KVM, Xen, Oracle VirtualBox	✓	✓	✓	✓
Specifications				
Balancer Throughput License †	Up to 200 Mbps	Up to 2 Gbps	Up to 5 Gbps	Up to 10 Gbps
TLS (SSL) TPS License †	Up to 200	Up to 1,000	Up to 10,000	Up to 12,000
Layer 4 Concurrent Connections ‡	3,000,000	3,000,000	3,000,000	3,000,000
Max Servers / Virtual Clusters	1000/256	1000/1000	1000/1000	1000/1000
Edge Security Pack TMG Replacement (Authentication, SSO)	✓	✓	✓	✓
GSLB Multi-Site Load Balancing *	✓	✓	✓	✓

† Specifications are maximum licensed values.

* Available as add-on for VLM-200, 2000, 5000, 10G. Included with VLMs for public cloud platform.

‡ As tested with 1 vCPU and 1 GB memory allocated. L4 concurrent connections will scale linearly with additional allocated RAM.

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