



Virtual LoadMaster™ MAX 90 Datasheet

No Performance Limits...

Free Subscription for 90 days with 24/7 Support



Overview

Kemp's Virtual LoadMaster MAX 90 application load balancer enables unlimited throughput and SSL TPS to deliver critical applications. Support for hundreds of application workloads combined with easy-to-use templates makes deployment and configuration possible in a matter of minutes.

The VLM-MAX 90 is a **FREE 90-day load balancer subscription** that includes access to all advanced features such as Web Application Firewall (WAF), Single Sign-On (SSO) and Global Site Load Balancing (GSLB) along with access to **24x7 Customer Support**. In the case of multi-instance deployments, Kemp 360 Management and monitoring software is also included to simplify administration and visibility. The load balancer's performance will scale based on the underlying allocated host resources without any license-imposed limits, enabling on-demand response to unplanned spikes in application usage.

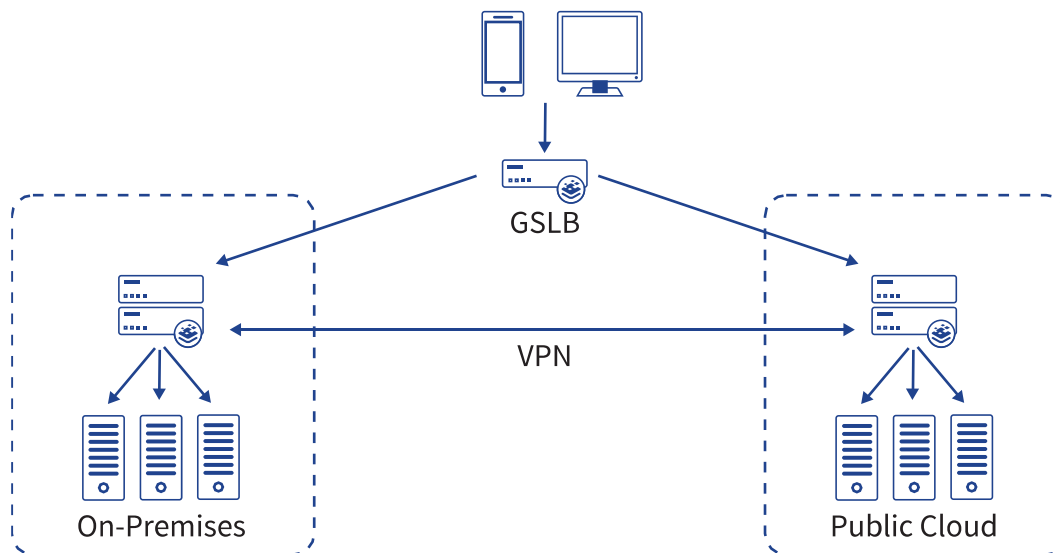


Figure 1- Hybrid Topology

Key Features

Layer 4-7 Load Balancing – As a high-performance virtual load balancer, the VLM-MAX 90 includes core functions like server and application health monitoring, SSL acceleration with FIPS 140-2 support, caching/compression, TCP multiplexing and an automation-enabled API.

Fully-featured Web Application Firewall – An Embedded WAF engine enables secure deployment of web applications while preventing Layer 7 attacks, mitigating the OWASP Top 10 and closing exfiltration gaps.

Global DNS & Traffic Management – Native GSLB functionality provides multi data center high availability enabling resilient expansion beyond a single site. Failures beyond a single application host can be managed to maintain uptime while also allowing clients to route to the location that will provide the best user experience.

SSO & Secure Application Access – Kemp's Edge Security Pack (ESP) simplifies secure application publishing with client pre-authentication and single sign-on (SSO). Active Directory Integration, security group-based traffic routing, RADIUS Authentication, Customizable FBA Forms and Multi-factor authentication (MFA) support a complete Identity Access Management (IAM) strategy.

Deliver Anywhere

Instances can be deployed on all major hypervisors and on leading public cloud services with the same feature and functionality footprint. Consistency across a wide range of platforms simplifies cloud migration and hybrid deployments while reducing administrative complexity.

Flexible Licensing

The VLM-MAX 90 is **completely free** for 90 days. After the 90-day period, it can be licensed with a permanent, annual subscription, public cloud or metered license depending upon your environment needs and application use cases. This enables maximum flexibility and consumption based on both CapEx and OpEx models depending on what's best for your business.

Platform Support

All major hypervisors and public cloud platforms are supported. All features and functionality are supported across all platforms. License mobility and service migration functionality enables for load balancers to be easily migrated from platform to platform as needed. By taking advantage of the latest in x86 architecture, maximum performance and scalability can be delivered across both proprietary and opensource virtual ecosystems.

	VLM-MAX 90
Public Cloud (Azure & AWS)	✓
Hypervisor (Hyper-V, VMware, XEN, KVM, VirtualBox)	✓

Enhance Your Security Posture

With the load balancer most commonly being the network device deployed closest to the application, it's a critical part of a well-rounded strategy to co-locate key security services to serve as a last line of defense. Native functionality combined with secure key management and integration with external authentication services means that you can guarantee secure application access

- Multi-factor authentication and SSO
- Application-specific and general WAF rules to prevent a range of application level exploits
- LDAP security group-based service access and traffic routing
- RADIUS, X.509, Active Directory, RSA & Kerberos-based pre-authentication
- FIPS 140-2 support

Full Feature List

Kemp 360 Central

- Centralized management and orchestration
- Included with Enterprise support subscription, and Enterprise Plus support subscription
- LoadMaster configuration management
- Automated LoadMaster backups
- Centralized & scheduled firmware updates
- LoadMaster logfile consolidation
- Performance management
- 3rd party load balancer support

Kemp 360 Vision

- Managed service for application monitoring & preemptive alerting
- Included with Enterprise support subscription, and Enterprise Plus support subscription
- 24/7 automated issue escalation service
- Proactive issue management
- Integrated with Kemp Support ticketing

Edge Security Pack

- Microsoft TMG replacement
- Pre-authentication
- Multi-domain authentication & SSO
- X.509 client certificate authentication
- Custom login forms
- Two-factor authentication
- SAML, Active Directory, RADIUS & LDAP
- Forms to Forms based authentication

Intrusion Prevention

- Snort compatible IPS
- Permit/Deny IP by address
- Automated IP reputation updates for GSLB

Web Application Firewall (WAF)

- Real-time application threat mitigation
- Daily rule updates
- Threats mitigated
 - Cookie tampering
 - Cross site request forgery
 - Cross site scripting
 - Data loss prevention
 - SQL injection
 - PCI-DSS Section 6.6 compliance

Global Server Load Balancing (GSLB)

Scheduling and Balancing

- Round Robin
- Weighted Round Robin
- Chained Failover (Fixed Weighting)
- Regional
- Real Server Load
- Location Based

Security

- Black List (Access Control List)
- IP reputation filtering with automatic updates
- DDoS mitigation

Health Checking & Failover

- ICMP health checking of server farm machines
- Layer 4 TCP checking
- HTTP/HTTPS health check
- Active/Active High Availability