KEMP | APPLICATION DELIVERY

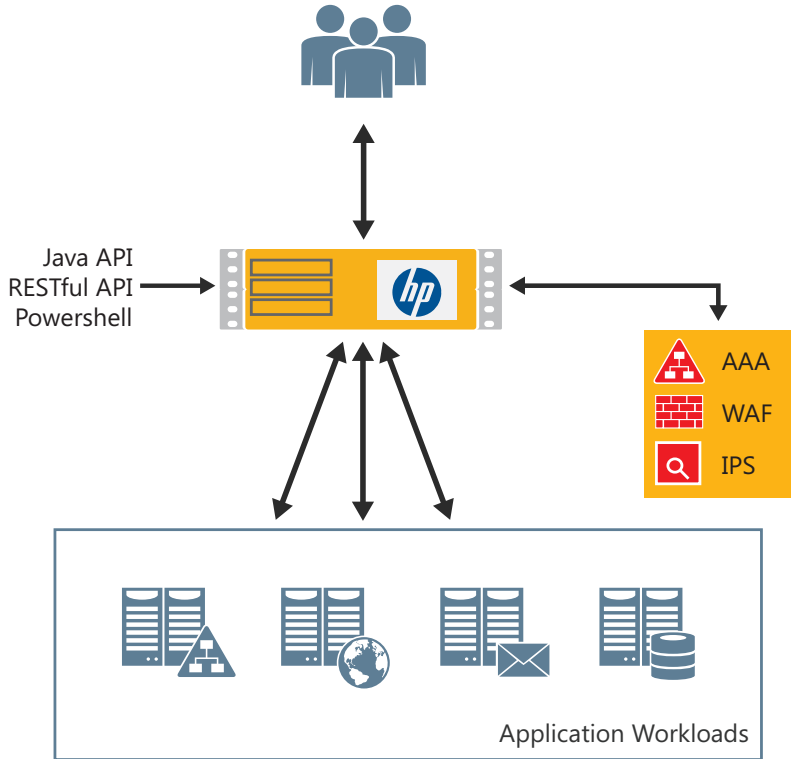# LoadMaster™ for HP ProLiant DL

Application Delivery & Load Balancing services powered by HP ProLiant DL Servers

Data Sheet

hp AllianceOne Partner

Java API
RESTful API
Powershell

AAA
WAF
IPS

Application Workloads

This 'bare metal' installation of LMOS provides comprehensive application load balancing, high availability, security, workflow visibility and traffic acceleration on the cost-effective, enterprise-class HP DL server family.

The LoadMaster™ Operating System (LMOS) for HP ProLiant™ DL servers is part of the KEMP Technologies award-winning LoadMaster family of application delivery controllers. This 'bare metal' installation of LMOS provides comprehensive application load balancing, high availability, security, workflow visibility and traffic acceleration on the cost-effective, enterprise-class HP DL server family.

HP ProLiant DL servers provide competitive performance to meet the dynamic compute requirements and scale of growing businesses. State of the art embedded management capabilities simplify administration and maintenance tasks while lowering TCO. When coupled with Loadmaster™ these value-packed systems become advanced Layer 7 content switching and application delivery controllers delivering unparalleled value and performance for growing Enterprise and MSP application environments.

The solution includes the same core advanced software features offered by the entire LoadMaster™ product line, including L4/7 load balancing, L7 content switching, SSL Offload, Server and Application Health Checking, IP and L7 Persistence methods, Content Caching, Data Compression, IPS and much more.

FEATURE	BENEFIT
High performance L4/L7 server load balancing	Ensures each user gets the best application experience possible
Web application firewall pack (AFP)	Protection against application level attacks and simplifies PCI-DSS compliance
Server and application health checking	Guarantees user requests will be only be directed to 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	Optimize server traffic according to content type
TLS (SSL) acceleration and offload	Optimizes server performance and user experience for encrypted application content
Compression and caching of content	Reduces internal network latency and optimizes bandwidth for best possible client experience
Intrusion Prevention Systems (IPS)	Thwarts application threats in both non-encrypted and encrypted traffic streams

LoadMaster™ for HP ProLiant DL

	LMB-1G	LMB-2G	LMB-5G	LMB-10G
Max Balancer Throughput † *	1 Gbps	2 Gbps	5 Gbps	10 Gbps
TLS(SSL) Transactions Per Second (TPS) † *	1,000	1,000	10,000	20,000
Max Real (Physical/VM) Servers †	1,000	1,000	1,000	1,000
Max Virtual Services (VIP) †	256	500	1,000	1,000
Layer 4/7 Load Balancing	✓	✓	✓	✓
Web Application Firewall Pack (AFP) **	✓	✓	✓	✓
Content Switching	✓	✓	✓	✓
TCP/IP Multiplexing	✓	✓	✓	✓
Caching, Compression Engine	✓	✓	✓	✓
IPS (SNORT-Rules compatible)	✓	✓	✓	✓
L7 Cookie Persistence (Active/Passive)	✓	✓	✓	✓
Optimized templates for all major application workloads	✓	✓	✓	✓
Active/Hot-standby Redundant Operation	✓	✓	✓	✓
Edge Security Pack (TMG Replacement) - Pre-Authentication - Single Sign On - Persistent Logging - Custom Login Forms - x.509 Certificate Client Authentication - Dual Factor Authentication	✓	✓	✓	✓
Global Server Load Balancing (GSLB - Multi-site)**	✓	✓	✓	✓
Scale-Out Clustering	✓	✓	✓	✓

† All figures are maximum licensed values.

* Actual performance is dependent on the blade configuration including processor, memory, networking, and overall system architecture.

** Feature Supported via an Add On Pack