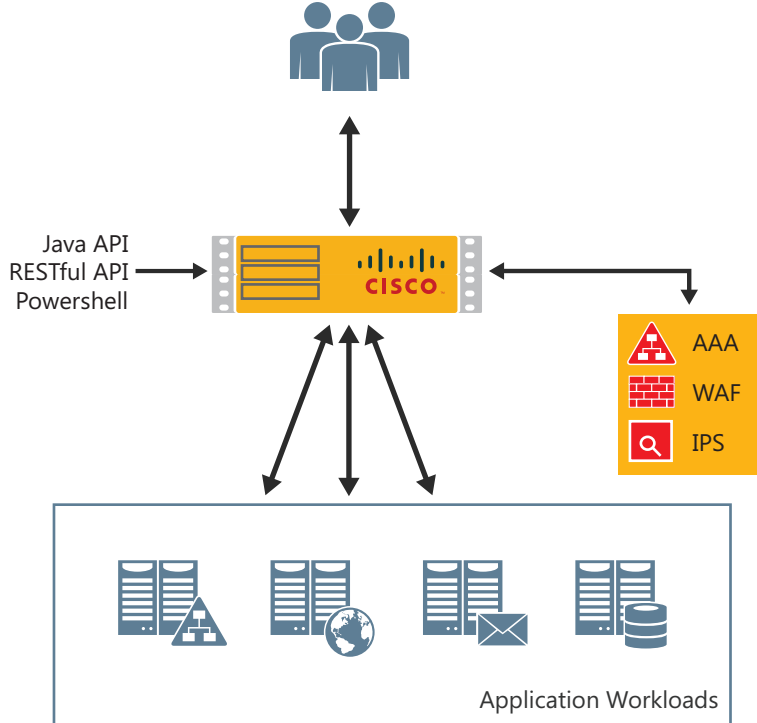


LoadMaster™ for UCS B-Series

Application Delivery & Load Balancing services powered by the UCS fabric



Data Sheet



The 'bare metal' installation of KEMP's LMOS provides a full application delivery suite with load balancing, high availability, security, workflow visibility and traffic acceleration on Cisco UCS B-Series platforms.

The LoadMaster™ Operating System (LMOS) for Cisco Unified Computing System is the latest addition to KEMP Technologies' award-winning LoadMaster family of application delivery controllers. LoadMaster Operating System provides application and server load balancing, high availability, security, workflow visibility and traffic acceleration. It is optimized to integrate directly into the high-performance UCS fabric leveraging its high performance compute, I/O and fabric infrastructure.

Application performance can be enhanced by co-locating the Application Delivery Control with the workload servers, making best use of the UCS fabric to minimize round trip times and network hops. This removes the trombone effect which can be introduced by the use of an external ADC.

LM-UCS includes the same core advanced software features offered by the entire LoadMaster product line, including L4/7 load balancing, L7 content switching, TLS (SSL) offload, web application firewall, server and application health checking, IP and L7 persistence, IPS, content caching and compression.

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
Integrated with UCS fabric	LoadMaster can take advantage of the scalability and low latency of the UCS fabric
Server and application health checking	Guarantees user requests will be only be directed to available servers 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 UCS B-Series

Data Sheet

	LMOS-UCS-B-6	LMOS-UCS-B-16	LMOS-UCS-B-32
Max Real (Physical/VM) Servers †	1,000	1,000	1,000
Max Virtual Services (VIP) †	1,000	1,000	1,000
Max Balancer Throughput † *	10Gbps	30Gbps	60Gbps
TLS (SSL) Transactions Per Second (TPS) † *	6,500	10,000	20,000
Max Supported CPU Cores †	6	16	32
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	✓	✓	✓
Scale-Out Clustering	✓	✓	✓
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)**	✓	✓	✓

† 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