

ADC & Load Balancer Software Inside the UCS Fabric

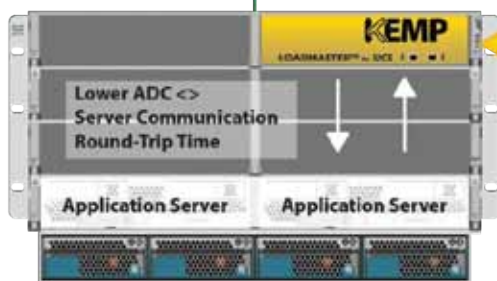
IVT Certified for Cisco UCS



UCS Fabric Interconnect



Load Balancer (ADC)



The LoadMaster™ Operating System for Cisco Unified Computing System (LM-UCS™) 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, SSL Offload, Server and Application Health Checking, IP and L7 Persistence methods, Content Caching and Compression, IPS and much more.



| 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” 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 or the session is temporarily interrupted |
| SSL Acceleration/Offload | Optimizes server performance and user experience for encrypted application content |
| Advanced Application Delivery Features | Accelerates traffic and reduces latency through intelligent Content Caching, Content Compression and Content Switching |
| Intrusion Prevention System (IPS) | Thwarts application-level threats even when masked in encrypted application content |
| Integration Within UCS Fabric | Allows the ADC portion of network deployments to take advantage of lower-latency communication and elasticity inherent to UCS which facilitates shorter round-trip communication time and increased scalability |
| Pre-Authentication and Single-Sign On | Validates user access to resources prior to forwarding requests to application servers and facilitates a simple user login experience across multiple applications serviced by LoadMaster |

| | LMOS-UCS-B-6 | LMOS-UCS-B-16 | LMOS-UCS-B-32 |
|---|----------------------------|----------------------------|----------------------------|
| Support Level Included | 1 st Year Basic | 1 st Year Basic | 1 st Year Basic |
| Max Real (Physical/VM) Servers † | 1000 | 1000 | 1000 |
| Max Virtual Services (VIP) † | 1000 | 1000 | 1000 |
| Max Balancer Throughput † * | 10Gbps | 30Gbps | 60Gbps |
| SSL Transactions Per Second (TPS) † * | 6500 | 10,000 | 20,000 |
| Max Supported CPU Cores † | 6 | 16 | 32 |
| Layers 4/7 Load Balancing | √ | √ | √ |
| Content Switching | √ | √ | √ |
| Caching, Compression Engine | √ | √ | √ |
| IPS (SNORT-Rules compatible) | √ | √ | √ |
| L7 Cookie Persistence (Active/Passive) | √ | √ | √ |
| Microsoft Exchange 2010/ 2013 Optimized | √ | √ | √ |
| Pre-configured Exchange 2010/ 2013 Virtual Services | √ | √ | √ |
| Supports most other TCP/UDP IP Applications | √ | √ | √ |
| Active/Hot-standby Redundant Operation | √ | √ | √ |
| Supports Edge Security Pack | | | |
| - Pre-Authentication | √ | √ | √ |
| - Single Sign On | | | |
| - Persistent Logging | | | |

† All figures are maximum licensed values.

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

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