

- ◆ *Disaster Recovery*
- ◆ *Multi-site Load Balancing*



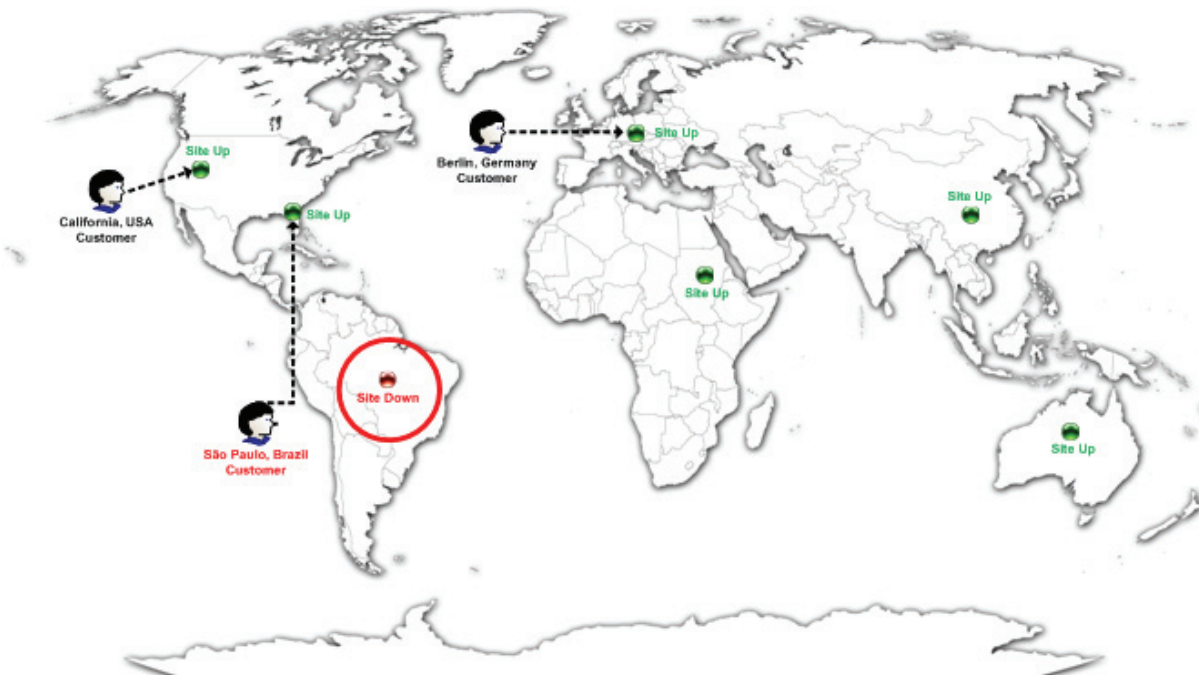
LoadMaster DR offers the ability to move past the single datacenter, allowing for multi datacenter high availability, even when a primary site is down, traffic is diverted to the disaster recovery site. Also included in LoadMaster DR is the ability to ensure clients connect to their fastest performing datacenter.

The LoadMaster DR offers the same management interfaces as KEMP's Server Load Balancer (LoadMaster) hardware appliances, including all the foundation technology such as syslog logging, email notifications, interface bonding, and Gigabit support. LoadMaster DR provides advanced application health checking, to ensure that unavailable services or datacenters are not visible to clients. Health checking can occur at the services level or even the site level, allowing for flexible decision making on when traffic should be diverted per Fully Qualified Domain Name (FQDN).

LoadMaster DR offers "Round Robin" load balancing for all active datacenters, which includes support for weights and a chained failover option for disaster recovery. LoadMaster DR securely and seamlessly integrates with LoadMaster to offer "Real Server Load" load balancing, in which LoadMaster DR uses local datacenter metrics provided by LoadMaster, allowing clients to connect to the least busy datacenter.

LoadMaster DR can be deployed in a distributed (Active/Active) high availability configuration, with both appliances securely synchronizing information. Introducing LoadMaster DR in your existing Authoritative Domain Name Services (DNS) requires minimal integration work and risk, allowing you to fully leverage your existing DNS investment.

LoadMaster DR is easy to set up, and easy to manage. LoadMaster DR is a self-contained 'plug and play' appliance that doesn't require the additional installation of software on your servers. Network management is made easy, administrators can deploy new servers and take individual servers offline for routine maintenance without disrupting services to end-users. Integrating the LoadMaster DR into an existing DNS infrastructure can be done with no service impact and allows for distributed administration.



High Availability & Reliability

LoadMaster DR helps prevent service outages by quickly detecting server and datacenter failures and then directing traffic. Monitoring and load balancing are based on layers 3 and 4 of the Open Systems Interconnection Basic Reference Model (OSI). Included in HA is the ability to have two appliances, protecting against introduction of a single point of hardware/network connectivity failure. Each individual LoadMaster DR can also be configured to provide network link-layer redundancy.

Speed

LoadMaster DR's intelligence ensures that your mission-critical servers are continuously available and performing reliably. LoadMaster DR can monitor server and application load. This information is then used to intelligently direct user requests to the cluster that is most available. By intelligently redirecting traffic, LoadMaster DR eliminates server overload conditions and round trip propagation delays that may slow performance, allowing you to increase end-user application speed.

Scalability

LoadMaster DR solves the scalability "dilemma" by continuing to support increasing network server workloads and still providing high reliability. LoadMaster DR offers:

- ◆ Intelligently distributes traffic across server arrays or data centers, reduces the need for increasingly larger and more expensive servers to accommodate increases in network traffic and enables many inexpensive servers to function as a single, virtual server.
- ◆ Reduces the single point of failure and expense inherent with a single large server, and allows for the orderly addition of new servers, or the routine maintenance or upgrades of servers without disrupting service to the end user.
- ◆ Can be used with multiple heterogeneous hardware platforms allowing organizations to protect their investments in their legacy hardware installations, as well as integrate future hardware investments.

Features and Specifications

Standard

Multi-site Load Balancing
VLAN Trunking (802.1Q)
Link Interface Bonding (Modes supported: 802.3ad, Link Failover)
4X Gigabit Ports
Up to 15,000 Max DNS Queries Per Second (QPS)

Health Checking and High Availability

ICMP health checking of server farm machines
Layer 4 TCP checking
Automatic reconfiguration for defective real server machines
Active/Active configurations for High Availability

Administration

Fully configurable using Web User Interface (WUI)
Secure, SSH and HTTPS (WUI) remote access for administration
Easy start and maintenance using wizards
WUI-based Help Assistant
FQDN Configurations can be edited and tuned on-the-fly
Real time performance and availability displays
Console port for local administration
Remote syslogd support
Download software updates for LoadMaster DR firmware
WUI Log Reporting with Tabbed Browser Support
SNMP support for event traps & performance metrics

Scheduling and Balancing Methods

Round Robin
Weighted Round Robin
Chained Failover (Fixed Weighting)
Real Server Load

Security

Black List (Access Control List system)
IP address filtering
DDoS mitigation

Hardware Platform

4 X GbE Auto-negotiating, Full Duplex Eth. Ports
Bootable DOM (No Hard Disks)
1 GB RAM
Local admin via console/VGA and USB
Dimensions: 426 x 419 x 44 mm. (1U)
Weight ~ 13.23 lbs (6kg)
180W ATX power supply