



## Managed Link Balancer

### Are you betting your business on a single wire?

Business is done electronically. Internet, email, VOIP – all are mission critical. An organization can no longer afford to have a single link to corporate network. That is why businesses are using multiple data links from more than one carrier.

#### **Connectivity is Critical**

Dependence on electronic communications is so critical to business that being cut off from the Internet or the corporate network is no longer an option, especially when the cost of a second connection is so cheap when compared to being cut off from the world.

Business is done electronically. Ordering, fulfillment, customer service, sales, field service and communications with your supply chain – it is all done via the Internet and your network. Even voice calls have moved to the network, which makes them dependent on connectivity to the Internet and your internal network. Customers and vendors cannot even contact you via phone if your data connectivity goes down.

#### **A Second Link is the Answer – almost**

Many organizations have determined it is better to have more than a single data path to the outside world. The connections usually consist of a dedicated high-speed connection (T1, MPLS, Ethernet, etc.) and one slower connection (cable, DSL and sometimes cellular). The high-speed connection is active and the slower

connection remains dormant until the primary connection fails. In some scenarios there are even two high-speed connections where one sits idle in case the primary fails. Either way – you are paying for a connection that is just sitting there.

#### **Link Balancing is “The” Answer**

A Link Balancer allows both connections to be active and in use at all times. If there is a failure of one of the connections all data traffic automatically fails over to the active link. When the failed link is restored data traffic begins to flow on both links.

A Link Balancer is a network appliance that performs the following functions:

- Immediate failover to the active link if one data connection goes down
- Automatic activation of a failed link once it returns to service
- Allows both (or more) links to be active so you are not paying for bandwidth that is not being used
- Increases available bandwidth since both links are active
- Allows for data traffic to be segregated and directed over specified links. Voice and critical data can travel over the high-speed link and web traffic and email over the slower less costly link
- Avoids downtime by seamlessly redirecting data traffic if a link fails



### Why A Managed Link Balancer

The Mirifex Managed Link Balancer Solution provides prioritization of critical Internet applications. For example, Web browsing and email can be guaranteed bandwidth while peer-to-peer applications and media streaming can be assigned a lower priority. The flexibility to manage priority of Internet usage ensures low-priority bandwidth-intensive applications never interfere with business-critical operations. Mirifex can configure and administer the Link Balancer network firewall - capable of enforcing access control lists (ACLs), port forwarding, NAT and DNS forwarding. We can enable DHCP and DNS caching services and site-to-site VPN connections to facilitate secure inter-office data communications. Mirifex makes sure that you are getting the highest return on your data communications investment.

### World Class Protection from Barracuda and Mirifex

Mirifex offers managed Barracuda link balancers for all sizes of business. You get the protection and advanced functionality of a Barracuda and the comprehensive administration and monitoring of Mirifex. We provide expert support with full lifecycle management including:

- Device provisioning, deployment, VPN setup, traffic segregation
- 24/7 Monitoring, fault detection and log management
- Performance and availability management
- Device upgrades and patch management
- Real-time security and health monitoring
- Expert response to threats and health issues

<p><b>Security Features</b></p> <p><b>LINK BALANCING</b></p> <ul style="list-style-type: none"> <li>• WAN and Internet connection link balancing</li> <li>• Inbound link balancing</li> <li>• Traffic aggregation</li> <li>• Automated link detection and failover</li> <li>• Link health monitoring</li> <li>- Ping - DNS - HTTP - TCP port checking</li> <li>• Link speed assignment and weighting</li> </ul> <p><b>TRADITIONAL FIREWALL</b></p> <ul style="list-style-type: none"> <li>• Network Address Translation (NAT)</li> <li>• 1:1 NAT</li> <li>• Port forwarding</li> <li>• Firewall IP Access Control Lists (ACLs) and rules</li> <li>• DDoS protection</li> <li>• Firewall transparency</li> </ul>	<p><b>NETWORK SERVICES</b></p> <ul style="list-style-type: none"> <li>• DHCP server</li> <li>• DNS caching server</li> <li>• DNS request forwarding</li> <li>• Site-to-site VPN</li> <li>• Outbound Source NAT</li> <li>• VLAN support</li> </ul> <p><b>BANDWIDTH MANAGEMENT AND QUALITY OF SERVICE (QoS)</b></p> <ul style="list-style-type: none"> <li>• Application-based priority assignments</li> <li>• Custom port-based application definition</li> <li>• Preconfigured protocols: <ul style="list-style-type: none"> <li>- Web</li> <li>- Email</li> <li>- FTP</li> <li>- DNS</li> <li>- Network Authentication</li> <li>- Terminal Services - SIP</li> </ul> </li> </ul>	<p><b>System Features</b></p> <p><b>ADMINISTRATORS</b></p> <ul style="list-style-type: none"> <li>• Web-based interface</li> <li>• Traffic and performance monitoring</li> <li>• Event logging</li> <li>• SNMP support</li> <li>• Secure remote administration</li> <li>• Reporting</li> </ul>	<p><b>Hardware Features</b></p> <p><b>CONNECTORS</b></p> <ul style="list-style-type: none"> <li>• Standard VGA</li> <li>• PS/2 keyboard/mouse</li> <li>• Ethernet (see chart below)</li> <li>• Serial port (DB-9)</li> </ul> <p><b>POWER REQUIREMENTS</b></p> <ul style="list-style-type: none"> <li>• AC input voltage 100-240 volts</li> <li>• Frequency 50/60 Hz</li> </ul> <p><b>Support Options</b></p> <p><b>ENERGIZE UPDATES SUBSCRIPTION</b></p> <ul style="list-style-type: none"> <li>• Standard technical support</li> <li>• Firmware maintenance</li> <li>• Security updates</li> </ul> <p><b>INSTANT REPLACEMENT SUBSCRIPTION</b></p> <ul style="list-style-type: none"> <li>• Replacement unit shipped next business day</li> <li>• 24x7 technical support</li> </ul>
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