High Availability and Performance in a Virtual Appliance

The primary vehicle driving data center infrastructure efficiency is virtualization. Running virtual servers reduces the need to buy and maintain expensive hardware and sharing resources significantly reduces operational costs.

Equalizer OnDemand is a software-based virtual appliance that operates as an integral part of the virtual infrastructure model. Equalizer OnDemand is deployed as a single virtual server instance dedicated to load balancing and managing the application delivery needs of your business.

Whether your goal is to control costs by leveraging processing capacity already in place, to build out a private cloud or to create a backup data center for disaster recovery, Equalizer OnDemand is the right solution to optimize your virtual infrastructure and application delivery resources.

Resource Efficiency with Uncompromised Application Delivery

Coyote Point understands the role of virtualization in network resource efficiency. When you deploy a virtual Equalizer you gain additional ROI on unused hardware in your data center. Equalizer offers businesses complete control of application availability and scalability and makes capacity optimization easy in an all-virtual environment.

Optimized Virtual Application Delivery

By incorporating VLB Advanced, Coyote Point's powerful visual scripting language for automating VMware administration actions, you can achieve higher performing applications and reduced capital and operational expenses like power, cooling and management.

VLB Smart Control offers threshold capabilities that combine monitoring and control of application performance and server responses. This allows for automated VMware responses to application-centric events.

Rapid Deployment

Equalizer OnDemand is downloaded directly from Coyote Point and installed on your existing virtual infrastructure. With no hardware to ship or physical cabling required, you can deploy an ADC solution into your virtual application environment in just minutes.
application availability in a multi-data center deployment. Envoy provides inter-site high-availability between data centers and completes the application delivery solution of Equalizer OnDemand.

Scalability and availability is achieved across every server cluster anywhere, minimizing network latency and ensuring optimum application delivery. Equalizer OnDemand is more than cost effective load balancing, it's a strategically sound business solution that puts users' needs first.

Choosing Between a Virtual or Hardware ADC Appliance

Coyote Point can help you realize the efficiencies you need to scale your applications with physical, virtual or hybrid ADC configurations. Equalizer hardware appliances include purpose-built hardware optimized for load balancing and acceleration of application delivery environments. When application acceleration such as high capacity SSL offloading or compression is required for bandwidth considerations, a hardware-based Equalizer will offer the best performance. If you have a specific application that requires sophisticated traffic management, either the physical or virtual equalizer will meet your needs.

If you are working to implement the ultimate flexibility of a completely virtual application delivery network, Equalizer OnDemand delivers the capabilities you need in a completely virtual package.

Equalizer OnDemand runs as a guest VM under any VMware Hypervisor™ that supports Version 7 virtual machines. It has been tested on the following VMware products:

- VMware ESX 4.1
- VMware ESXi 4.1, 5.0
- VMware Fusion 3.1.2, 3.1.3
- VMware Player

Each instance of Equalizer OnDemand requires the following hardware resources:

- 1GB RAM (in addition to RAM required for the host platform)
- 1GB free disk space
- 1 VMware supported 10/100/1000Gb Network Adapter
- Internet connectivity for license validation

See VMware's specific VMware product you are using for VMware requirements.

### Equalizer® OnDemand

**Performance and Capacity**

<table>
<thead>
<tr>
<th>Runtime Environment</th>
<th>VMware® ESX/ESXi v4.x</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concurrent Connections</td>
<td>2 million</td>
</tr>
<tr>
<td>HTTP Requests per second</td>
<td>Up to 100,000</td>
</tr>
<tr>
<td>HTTPS Request per second</td>
<td>Up to 5,000</td>
</tr>
<tr>
<td>Aggregate Throughput</td>
<td>Up to 1 Gbps</td>
</tr>
<tr>
<td>Licensed Clusters</td>
<td>Unlimited</td>
</tr>
<tr>
<td>Servers per Cluster</td>
<td>512</td>
</tr>
<tr>
<td>Maximum Servers</td>
<td>Unlimited</td>
</tr>
<tr>
<td>Network Topologies</td>
<td>Full-NAT, Half-NAT, VLAN, Direct Server Return (DSR)</td>
</tr>
<tr>
<td>IP Address Families</td>
<td>IPv4, IPv6</td>
</tr>
</tbody>
</table>

© 2012 Coyote Point Systems, Inc. Equalizer and Envoy are registered trademarks of Coyote Point Systems. All other trademarks and trade names are property of their respective owners. All specifications subject to change.