

Equalizer Version 8.0 Software Feature Prospectus



Summary

Version 8.0 is a major milestone for the Equalizer platform. Focused on usability and performance, V8 utilizes the industry's first AJAX-enabled management interface. Coupled with major performance enhancements and support for new acceleration technologies, V8 is the engine that will power Equalizer through 2008.

V8 is the latest release of Coyote Point's state-of-the-art server management and network application load balancing appliance software. It includes key updates in three major areas:

1. New Streamlined User Interface and administration functionality
2. New application performance capabilities for SSL offloading and HTTP compression
3. Support for new and existing appliance products
 - A new higher performance all-in-one Equalizer E650si™, with integrated SSL acceleration, HTTP compression, and Envoy Global Load Balancing
 - V8 also supports the existing E250si, E350si, E450si, and E550si appliances

Enhancement Highlights:

More Dynamic Management Interface

Easier to use, more responsive and intuitive, V8's web UI is full of improvements. The administrator can see a quick overview of cluster or server statistics or drill down to fine-grained details. All on-screen objects are fully interactive to make installing and managing an Equalizer a joy. Coyote Point has even introduced the ability to create multiple log-on accounts with assigned access privileges, a feature designed for the needs of hosting providers and other users requiring fine-grained access controls. The Administrative Interface has been completely redesigned using Ajax technology to provide a more dynamic user friendly experience, while retaining the reliable underlying functionality provided in earlier releases. The new interface is also more consistent across different browsers.



Affordable Acceleration and Scalability

Like its automotive namesake, the new Equalizer V8 software engine, provides the power and acceleration to meet the needs of any small to mid-market environment. All of our SI series platforms will benefit including a new all-in-one Gigabit version, the E650si. A few of the new features include:

- **Faster SSL Acceleration:** Support for major improvements in Xcel™- accelerated SSL performance
- **Express™ HTTP compression** includes support for more data types and provides more detailed monitoring and feedback
- **Streamlined TCP and UDP load balancing** improves throughput by up to 20% in non-spoofing configurations

Combined with Failover reporting, Secure Management, new Traffic Management rules and many other useful updates; Coyote Point has received glowing responses from first-look reviewers.

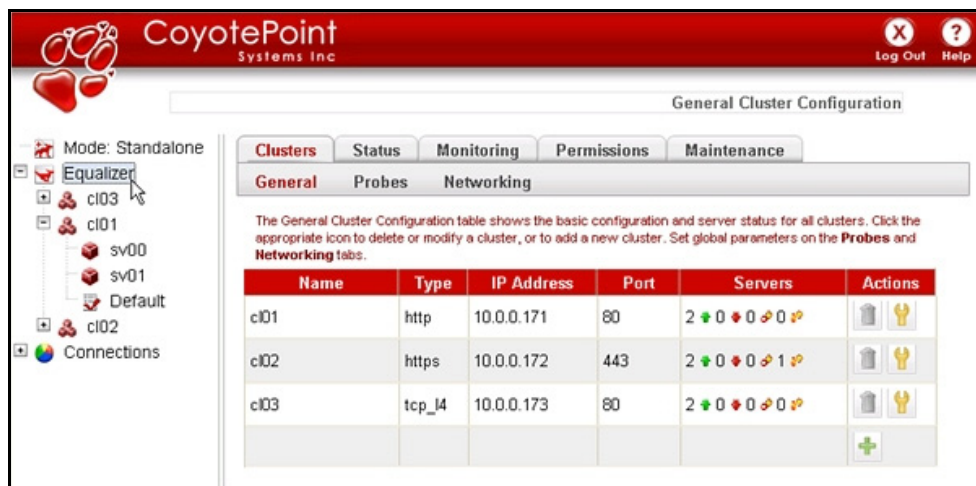
Improved Usability and Enhanced Security.

While prior versions provided 2 logins for the graphical administrative interface, in Version 8 you can create as many logins as needed, each with unique permissions (view, modify, add and delete) on clusters and global parameters.

Multiple logins support increased system security by allowing you to provide separation of privilege as well as accountability in implementations where more than one person logs into the Equalizer. This allows the Equalizer administrator to provide restricted access logins for customers who need to administer individual clusters on Equalizer. For example, a login can be set up with discrete permission as restrictive as the ability to view and modify a single cluster only, and without the ability to view or modify other clusters or global parameters.

- **New Administrative GUI Interface** - includes a *dynamic object tree*, with more functions and more options than in prior software releases. Commonly used commands are more visible, and can be issued directly from the tree by right-clicking on an object in the tree. The right-click menus also show important status information about the object (IP address, type, requests processed, server weight, etc.). The intuitive frame tree is organized into tabbed forms containing related global and cluster parameters and commands.
- **New configuration wizards make the Equalizer even easier to configure and manage.** New Wizards lead users through the set-up process for clusters, servers, and match rules. Simply right-click on an object in the frame tree and select the appropriate 'Add' command from the menu. Failover configuration and status reporting have also been improved and integrated into the object tree.





- **Customers can now easily upload a custom SSL Certificate for the Administrative Interface** - to replace the default certificate used to validate clients logging into the Administrative Interface using HTTPS.

Equalizer and Version 8 provides power and acceleration to meet the needs of any environment, including:

- **Coyote Point's Express™ high performance Compression Technology.** Express hardware based compression uses gzip compression to provide a better user experience and more economical use of bandwidth. Administrators can specify the type of content (text, uncompressed graphics, etc.) that is compressed before being sent to the client – the client browser automatically de-compresses the content and displays it. Compression statistics are logged and reported by the new GUI management interface.
- **Coyote Point's Xcel™ SSL Acceleration Technology.** Coyote Point's SSL hardware based SSL processing supports over 2,000 TPS. Offloading the encryption/decryption of HTTPS connections to Equalizer speeds up HTTPS connection processing and significantly reduces the CPU intensive load for security and encryption allowing Equalizer and the servers behind it communicate using the faster HTTP protocol.
- **Equalizer 650si,** Coyote Point's all-in-one Gigabit appliance targeted at the high end of the mid-market. The E650si includes dedicated hardware-based high speed processors for load balancing, compression and SSL acceleration, guaranteeing the highest levels of performance and availability for your mission critical applications as well as the most affordable Gigabit appliance for enterprise grade performance for the mid-market.



- **Version 8 also is the new software engine to power our complete line of appliances** - including the E250si, E350si, E450si, the all Gigabit E550si and E650si.

Load Balancing and Performance Enhancements.

- **Direct Server Return (DSR)** - is a new Equalizer configuration option allowing servers in a cluster to respond directly to client requests without routing through the Equalizer increasing overall client throughput and providing a better user experience.
- **More load balancing options for match rules are available** - including the ability to specify the load balancing policy and persistence options for any request matching the rule. Increased reporting and visibility into traffic flow allows administrators to view and plot the number of times a rule was matched by an incoming request.

