

Web Content Optimization for Microsoft SharePoint

Stingray Aptimizer for SharePoint

Stingray Aptimizer for SharePoint speeds up any SharePoint website or intranet, reducing page load times up to 33%-75% using a patent pending process for reducing round trips a browser makes to the server to load the page, delivering speed increases with a simple software installation on the web server. No extra hardware, no website or browser changes, and no additional costs.

Stingray Aptimizer helps speed up the delivery of web-based content when being delivered across a geographic distance. This is particularly effective with SharePoint given the way those web pages are constructed.

Stingray Aptimizer is an ISAPI filter for Microsoft IIS that automates performance tuning by dynamically optimizing web pages for performance at runtime – just before a page is sent from web server to browser.

Challenges Solved by Stingray Aptimizer

Web page complexity

Since 2003 the average number of page objects i.e. images, scripts, and styles more than doubled from 26 to 65. This means that an average of 65 server round trips are needed before a page loads in the browser of a visitor. More round trips mean slower websites. Stingray Aptimizer automatically decreases the round trips between browser and server, reducing page load times dramatically.

Web page size

Since 2003 the average web page has quintupled in size from 94K to over 507K. Web page dimensions have also increased from 800x600 to 1024x768. Web designers now design for a larger canvas contributing to 'heavier' web pages and increased page load. Stingray Aptimizer automatically applies a number of smart reduction and compression algorithms that reduce page load by optimizing each page request based on web platform, browser type, and page structure.

Repeat visits

We all have websites that we return to regularly yet most websites require the browser to waste time either rechecking versions of the content or downloading content again. Stingray Aptimizer applies advanced techniques to ensure repeat visitors' content is always kept up-to-date without rechecking or downloading the content again. This creates a significantly faster experience. When content changes on the server, the browser is automatically refreshed.

Browser diversity

The proliferation of browsers and browser versions provides a challenge for all websites. Each browser has its own preferences for serving web pages and websites must manage page resources to suit these in order to ensure the web pages are served correctly and quickly.

Performance Benefits

- Reduces page load times up to 33%-75%
- Increases server throughput by up to 40%
- Reduces data traffic and content delivery costs
- Automatic tuning with optional 'expert' mode
- Software-only solution. No extra hardware, no code changes.

Optimizing web pages for browsers and browser versions is time consuming and labor intensive. Stingray Optimizer automatically recognizes browser types and optimizes page resources without impacting the functionality of the page.

JavaScript Features

- Merge JavaScript files into fewer files
- Asynchronous Script loading for faster ads, third party widgets and dynamic HTML
- File shrinking and Gzip compression
- Far-future-expires headers and auto URL versioning for increased browser caching, lightning fast repeat views
- Script placement optimization in HTML
- Duplicate script removal
- Cache external scripts locally

Stylesheet Features

- Merge StyleSheet files into fewer files
- File shrinking (whitespace, comment removal)
- Gzip compression
- Far-future-expires headers and auto URL versioning for increased browser caching, lightning fast repeat views and automatic refreshing of all caches

Optimize StyleSheet placement in HTMLImage Features

- Merge HTML images into CSS Sprites
- Background image CSS inlining
- Image resampling and JPEG metadata removal
- Far-future-expires headers and auto URL versioning for increased browser caching, lightning fast repeat views and automatic refreshing of all caches
- Automatic FavIco generation if file is missing
- On-demand image loading

Other Features

- Wizard for configuration
- Browser aware optimizations
- Load balanced server support
- SSL Enabled “Do no harm” CPU throttle
- Granular control of caching rules
- Automatic “404” handling for missing files

Stingray Optimizer takes the industry from ‘here’s what you need to fix’ to ‘fast by default’. This is the next step in performance tool development – automatically making any web page faster without the developer having to do any additional work.

System Requirements

SHAREPOINT: Microsoft SharePoint 2007/2010. Windows SharePoint Services (WSS), SharePoint Portal Server (SPS), Microsoft Office SharePoint Server (MOSS).

OPERATING SYSTEM: Microsoft Windows 2003 Server, Microsoft Windows 2008 Server, Microsoft Windows Vista or Microsoft Windows XP.

IIS VERSIONS: 6, 7 and 7.5

HARDWARE SPECIFICATIONS: x86 or x64 processor 1GHz or better, 128MB free memory, 100MB free disk space.

SSL SUPPORT: Supports SSL and non-SSL web pages.

BROWSER SUPPORT: Supports all web browsers on any platform with no changes required. Stingray Optimizer provides the greatest performance benefits for Microsoft Internet Explorer, Mozilla Firefox, Apple Safari, Opera Browser and Google Chrome.

About Riverbed

Riverbed delivers performance for the globally connected enterprise. With Riverbed, enterprises can successfully and intelligently implement strategic initiatives such as virtualization, consolidation, cloud computing, and disaster recovery without fear of compromising performance. By giving enterprises the platform they need to understand, optimize and consolidate their IT, Riverbed helps enterprises to build a fast, fluid and dynamic IT architecture that aligns with the business needs of the organization. Additional information about Riverbed (NASDAQ: RVBD) is available at www.riverbed.com.



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