

Valid for

SuperLumin v4.0
and up

OS

SUSE Linux
Enterprise 12
Server SP1
(X86_64) and up

Features

- Secure site caching
 - More and more web sites are changing to be secure and are using HTTPS. HTTPS introduces additional latency.
 - SuperLumin NitroCast 4.0 is capable of caching secure web sites and/or domains.
 - Secure reverse caching proxy services are used to accelerate the delivery of secure content.
 - Supports certificate pinning using SSL mutual authentication.
- Certificate management enhancements
 - SuperLumin NitroCast 4.0 is capable of importing third-party certificates and creating self-signed certificates to ease certificate management when accelerating secure web sites.
- Full support for latest TLS (1.2)
 - TLS allows client/server applications to communicate over the Internet in a way that is designed to prevent eavesdropping, tampering, and message forgery.
 - TLS provides a more secure method of exchanging messages.
 - Supporting the latest TLS version provides additional protection.
- Latest OS and security updates
 - Upgraded OS to the latest SUSE Linux Enterprise Server (SLES) 12 SP1.
 - Latest security patches and updates were installed, providing additional protection.
- Rewriter policy for accelerating embedded YouTube/Vimeo/Office365/etc links.
 - Allows administrator to automatically change video links in a web site.
 - For example, changing YouTube embedded links to point to a locally hosted copy of the video with the highest quality available.
 - Automatically rewrites web pages with embedded video links to use the built-in HTML5 player available on the browser.
 - Makes the highest quality version of the video associated with the embedded video links.
 - Can be used to rewrite any HTML for any purpose.
- New policy actions based on response headers
 - Easier interaction with response headers such as content-length, content-type, etc.
 - Policy-based caching enhancements after a response has been received.
 - For example, responses with video MIME types can have their caching rules changed.
- Binary object naming
 - Added new policy action which uses other naming methods besides URI to identify objects.
 - Allows caching of objects with dynamic or random names.
 - Removes complexity when creating a policy to cache large objects.

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- Increased deployment flexibility
 - Allows third-party scripts to run for integration into complex environments.
 - For example, creation of separate routing tables to allow access to the management interface when it was not possible without this change.
 - Allows for arbitrary routing commands to be run.
- Manifest creation
 - Creates a list of all URLs in a web site by crawling.
 - Used by the downloader to pre-populate the cache.
- New and more efficient content downloader
 - Downloader is used to pre-populate the cache server using a manifest file.
 - The new downloader is up to 10 times faster, using far fewer resources.
 - Supports rate limiting and basic authentication.
- Enhanced transparent caching IP spoofing option
 - IP spoofing is used in transparent caching to send the IP address of the client to the web server instead of the cache server's IP address.
 - The new version is faster and simpler.
- New user friendly wizard for creating secure YouTube caching
 - Setting up a secure caching service to accelerate YouTube videos is very complicated.
 - Secure reverse services for four domains and DNS records for the domains are automatically created.
 - This wizard automates the process and makes it very easy to add the needed services.
- Self-hosted upgrade server
 - Allows customers to manage their own update server repositories.
 - This feature can be used to localize SuperLumin software upgrades to avoid downloads over the Internet.
- SuperLumin Reporter integration
 - SuperLumin Reporter is a new product to provide stats/analytic information about SuperLumin cache servers.
 - Logging has been enhanced to provide additional information needed by the SuperLumin Reporter.

Technical notes

- The 4.x released software can be downloaded from:
 - <http://sln.superlumin.com/nitrocast/release/software/4.x/>
- The latest released version currently is 4.0.0-7055

Support

- For any questions or concerns, please email support@superlumin.com or sales@superlumin.com, or call 937.220.9811 or 877.857.0477.

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