LIMELIGHT SMARTPURGE

CHALLENGES PURGING CONTENT FROM CACHE

Any company delivering rich dynamic content must be able to easily control content freshness. Unfortunately, purging—the task of removing content from the globally distributed edge servers of a Content Delivery Network (CDN)—can be a slow, complex process with inconsistent results. When a purge takes too long to process, users are served stale or damaged content. Outdated information is publicized, corrupted files are downloaded, and compliance issues arise when commercial transactions are involved, and brand integrity can be severely compromised.

SMARTPURGE HELPS YOU SOLVE THESE CHALLENGES

Limelight SmartPurge is the next-generation CDN purging system, specifically architected to execute purges rapidly and at global scale, without the hassle and limitations of traditional CDN purging methods. SmartPurge works in near realtime to remove stale content from the access path of users, regardless of how close they are to your data center. Its rich functionality is accessible programmatically via APIs or through a graphical user interface. Support staff is available 24/7/365 via phone and email to remedy purging issues as quickly as possible, providing total peace of mind in even the most urgent situations. Companies that utilize the advanced capabilities of SmartPurge are assured that users receive only the freshest content, thanks to a realtime feedback mechanism.

FEATURES

SmartPurge provides a number of compelling capabilities:

- **Near Realtime Purging**—As soon as a request for purge is received, the purged content will stop being served to the end user; no delays or waiting in queue behind other CDN customers.

- **Purge by Pattern Match**—Patterns can include any portion of the Origin URL, path, filename or extension.

- **Purge by Content Tag**—Content is tagged by providing an extra origin reply HTTP header. This will allow sophisticated cache management strategies to be implemented more easily and simplify integration.

- **Purge Dry-Run**—The dry-run feature allows a purge request to collect statistics of the number of matching objects and object bytes without purging those objects.

- **Purge Assurance**—SmartPurge is designed to ensure that when a request for purge is received, the purged content is never served to users—regardless of configurations or services being used.

- **Cache Invalidation**—Mass content purging can take place without inducing high levels of origin traffic. Before serving new requests for invalidated content, SmartPurge checks content freshness with your origin and does not request a full object if it is still fresh.

- **Cache Eviction**—Any and all copies of purged content can be permanently deleted from the Limelight CDN. All requests are sent back to the origin to fetch new content.

- **Configurable Purge Parameters**—Submitting and executing purge commands is simple. You can easily submit patterns instead of regular expressions, thus making the whole process intuitive.

- **Purge Dashboards**—Via API or user interface; you can access purge status, execution details, accounts, and users requesting purges.

- **Purge History and Templates**—All historical purge executions are stored for later reference, and can be used to create templates for future purges.
BUSINESS BENEFITS

Ensure Content Freshness and Accuracy—Upon a purge request, content will be immediately unavailable globally.

Improved Flexibility—Cache tags introduce a new method to set the boundaries of a content purge. You now have the ability to define “Cache-Tag” headers with custom values. Multiple tags can be applied to a single piece of content to allow for categorization or segmentation of content. With the new purge by tag feature, SmartPurge can target individual or multiple tags for dry run, invalidation, or eviction.

Scale Purges for Massive Amounts of Content—Purging system architected to execute purges at global scale.

Risk Mitigation—Dry run reduces the risk of running a purge by providing a view into the impact of a job before it’s run. During a dry run all of the objects are counted but none of them are invalidated or evicted. This can help prevent the impact of purging the wrong items.

Verify Purge Effectiveness with Comprehensive Reports—Purge dashboards and history show purge status, execution details, and users requesting purges.

ABOUT THE ORCHESTRATE PLATFORM

The Limelight Orchestrate Platform is built upon a global, private backbone network with the speed, capacity, and availability to deliver the experiences today’s audiences demand. This industry-leading Platform includes integrated content delivery, web acceleration, origin storage, video management, cloud security, and support services. The unique combination of global private infrastructure, advanced software, and expert services surpasses other CDNs, to enable today’s and tomorrow’s workflows and put audience experience first.

ABOUT LIMELIGHT NETWORKS

Limelight Networks (NASDAQ: LLNW), a global leader in digital content delivery, empowers customers to better engage online audiences by enabling them to securely manage and globally deliver digital content, on virtually any device. For more information visit our website at https://www.limelight.com.