



ATS 8.0.0

Bryan Call

Release

Released last week (9/25)

1,242 pull requests

94 closed issues

Features

TLS 1.3 support

Proxy protocol 1.0 incoming

Lua config removed / YAML config added

- Logging configuration - logging.yaml

- SSL/TLS incoming and outgoing configuration - ssl_server_name.yaml

SNI Routing (ssl_server_name.config)

C++17 is now required to build (gcc7 and clang 5)

Removed Features

traffic_cop

Metrics.config

Plugins

epic

ats_pagespeed - moved to Pagespeed Apache Project

coollapsed_connection

congestion.config

New Plugins

`access_control` - Access control to objects stored in cache (Gancho at Apple)

`fq_pacing` - rate limit an individual TCP connection, based on Linux support for the Fair Queuing qdisc (Eric at Cisco)

`prefetch` - prefetches objects into cache for sequenced objects (video) (Gancho at Apple)

`tls_bridge` - secure transport between ATS servers (Alan at Oath)

`traffic_dump` - dumps the traffic from ATS for replay or analysis (Zeyuan at Oath)

`uri_signing` - URI Signing for CDN Interconnection (CDNI) (Chris at Comcast)

Promoted Plugins

cache_promote - provides a means to control when an object should be allowed to enter the cache

cachekey - allows some common cache key manipulations based on various HTTP request components

lua - implement ATS plugin by writing Lua script instead of C code

escalate - try an alternate origin when the origin server in the remap rule is either unavailable or returns specific HTTP error codes

APIs

TSHttpArgIndexReserve

Split into two APIs

TSHttpTxnArgIndexReserve and TSHttpSsnArgIndexReserve

TSHttpArgIndexNameLookup

Split into two APIs

TSHttpTxnArgIndexNameLookup and TSHttpSsnArgIndexNameLookup

APIs

TSHttpTxnSetHttpRetStatus

Renamed to TSHttpTxnStatusSet

TSHttpSsnSSLConnectionGet

Split into two APIs

TSHttpSsnClientVConnGet and TSVConnSSLConnectionGet

Equivalent would be

TSVConnSSLConnectionGet(TSHttpSsnClientVConnGet(x))

Follow Redirect

`proxy.config.http.redirection_enabled`

Removed

`proxy.config.http.number_of_redirections`

Now used to enable the feature

`proxy.config.http.post_copy_size`

Controls the size of the buffered POST body, will fail request if over limit

Github

Mark PRs for “Projects 8.x releases”

Milestone 9.0.0

If it doesn't cherry-pick cleanly, need separate PR

The screenshot shows a GitHub pull request configuration panel with the following sections:

- Reviewers:** bryancall (checked with a green checkmark)
- Assignees:** randall
- Labels:** Cleanup (highlighted in yellow)
- Projects:** 8.x releases (awaiting triage)
- Milestone:** 9.0.0 (indicated by a green progress bar)

ATS 8.0.1

30 changes

Target end of October

ATS 8.0.1

proxy.config.http.connect_attempts_timeout is timeout for connect() instead of TTFB

MPTCP support

uri_signing build issue on Debian

Test updates

Documentation updates

Build updates

What is new

<https://cwiki.apache.org/confluence/display/TS/What%27s+New+in+v8.0.x>

Upgrading

<https://cwiki.apache.org/confluence/display/TS/Upgrading+to+v8.0>

Questions?

Happy Birthday Vijay!