What's New In v4.2.x

A brief summary for Users and Administrators
(the Jira's are active links)
v4.2.x is a Long Term Support release (LTS)

New Features

- [TS-32] - We now support ICP again, the old configurations are now functional

- [TS-312] - Keep-Alive connections to origin are now always shared. The old behavior can be restored via a new configuration

- [TS-2350] - The traffic_top tool adds a number of new features, such as showing multiple stats pages.

- [TS-2483] - Add cache 'status/readiness' metric to trafficserver, this lets you see when the cache became available (and hence, you can see how long it took to initialize).

- [TS-2487] - export PUSH method API constants

- [TS-2533] - Add alarms and status information / mgmt to traffic_line

- [TS-2541] - We can now proxy WebSockets, configured via normal remap.config (e.g. *map ws://www.example.com ws://ws.example.com:9090*)

New Features - SSL

- [TS-1146] - RFC 5077 TLS Session tickets

- [TS-1668] - We now support HSTS via new configurations, overridable per remap rule

- [TS-2365] - Configure max TLS record size

- [TS-2372] - Add forward secrecy support for SSL

- [TS-2413] - Release memory for idle SSL connection

- [TS-2416] - Configurable TLS session timeout threshold

New Features - Plugins

- [TS-2117] - New plugin donated by Yahoo, HiPES (see its documentation)

- [TS-2335] - A new, more complete Lua plugin is available in the experimental/ build

- [TS-2426] - *xdebug* plugin for debugging headers using client directives

- [TS-2316] - *header_rewrite* plugin now supports various variable expansions for values

- [TS-2361] - Load *regex_remap* plugin configurations relative to main config directory

- [TS-2544] - *conf_remap* plugin now allow for multiple configuration files

- [TS-2550] - *conf_remap* can take configuration arguments directly in remap.config

New Features -APIs

- [TS-2271] - Threaded plugin support with 3rd party libraries

- [TS-2336] - Move InkAPIHughes.h (Prefetch APIs) into experimental.h. These APIs allows for some control over the Prefetching feature (parsing HTML and prefetch page components).

- [TS-2484] - Missing API (ts/ts.h) support for a few overridable configurations

New Features - Logs / Docs

- [TS-2364] - Introduce slice notation to field syntax in log format. This allows for controlled truncation of fields that can be very long

- [TS-2379] - Add a new field: '%<chp>', "client_host_port" to LogFormat

- [TS-2377] - DOC: install man pages as part of the build

Improvements

- [TS-2077] - Remove pipelining configuration remnants (*proxy.config.http.user_agent_pipeline*). These configurations had no purpose

- [TS-2343] - Remove the --schema option from Traffic Manager

- [TS-2348] - rename tstop to traffic_top for consistency

- [TS-2370] - SSL cipher order was backwards (*proxy.config.ssl.server.honor_cipher_order)*

- Stability improved