



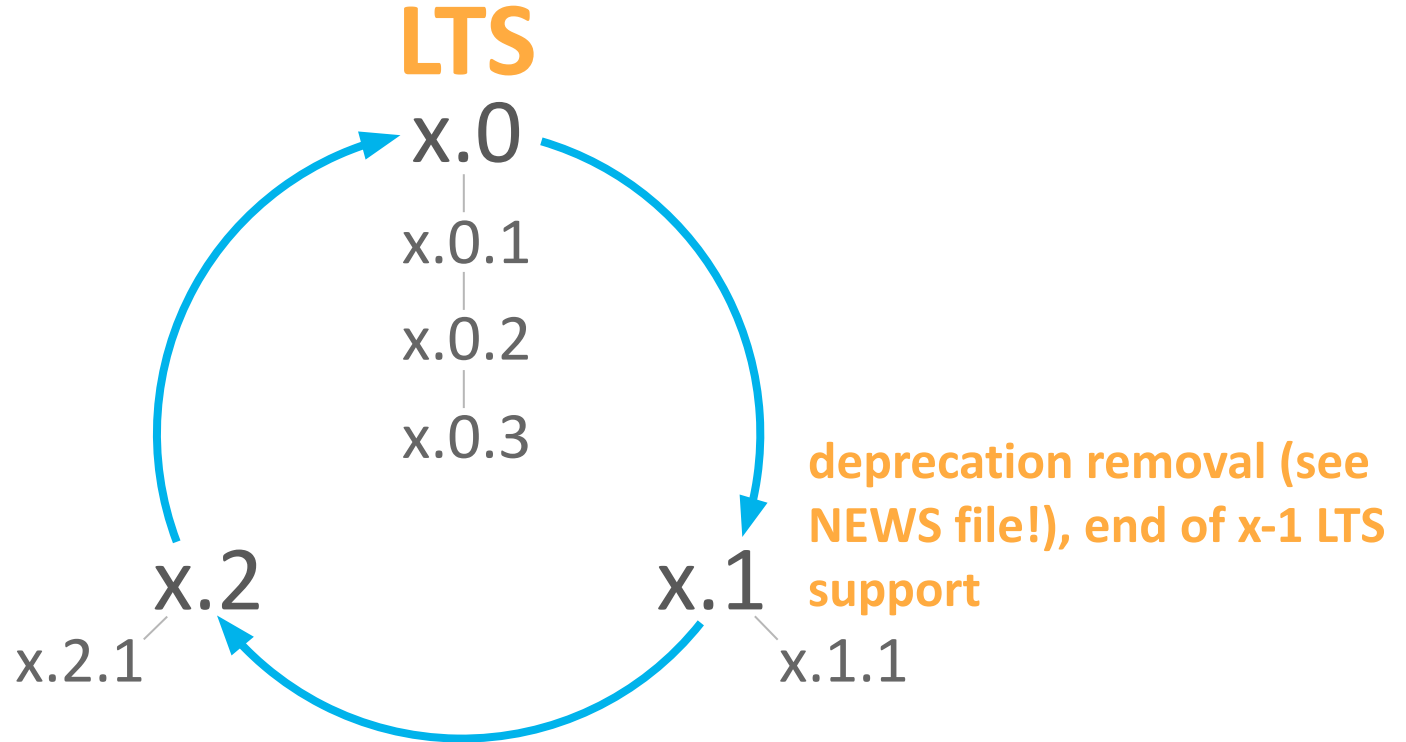
Roadmap Update

February 2025

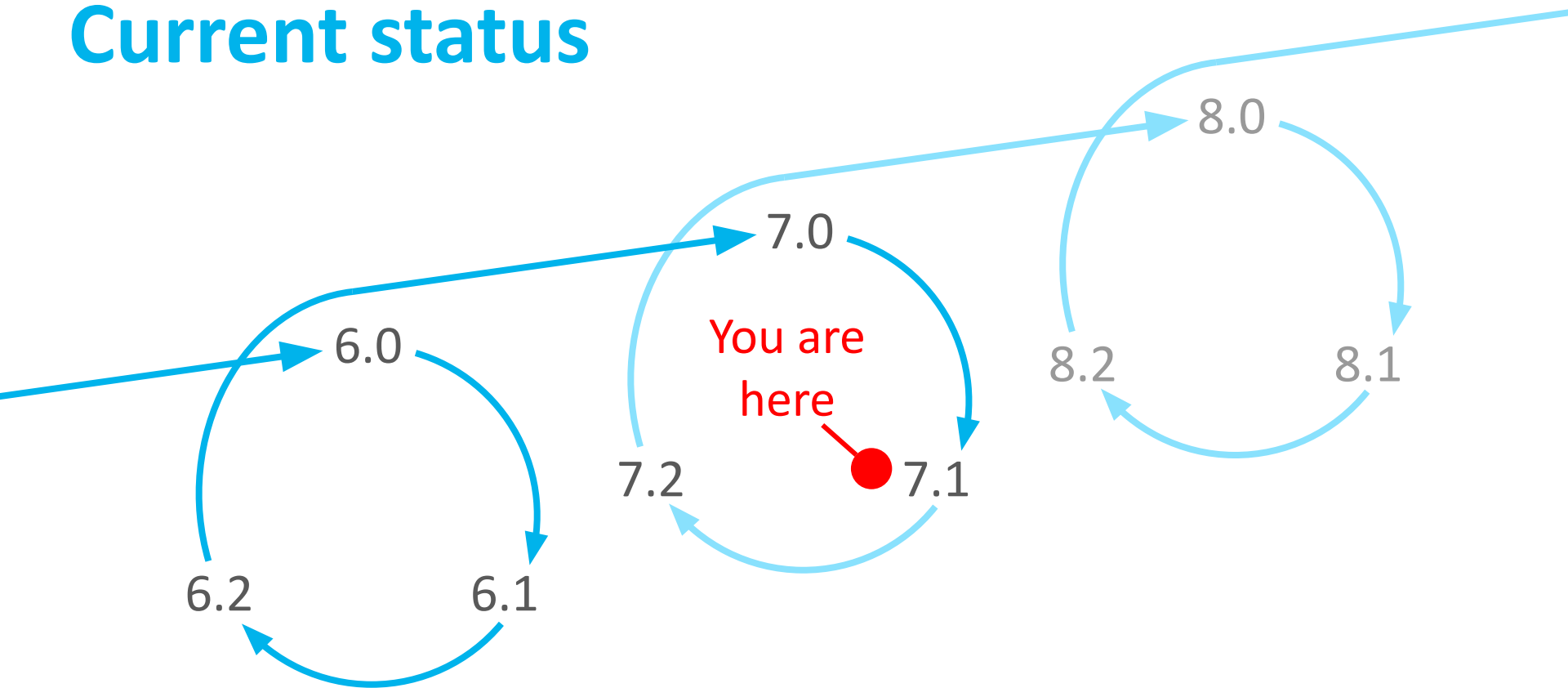
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Release cadence

Three feature releases per year



Current status



<https://github.com/zeek/zeek/wiki/Release-Cadence>

Zeek 6 in context

Zeek 6.0 recap (July '23)

- JavaScript support
- JSON ingestion
- Packet analyzer improvements
 - LLC, SNAP, Novell 802.3 support, including from VLAN analyzer
 - GRE -> Aruba handoff
 - Proper tunnel handling in 802.11
 - Start of broader Spicy adoption
- Full multi-logger text-logging support
- Event metadata support
- Native Community ID support
- Spicy troubleshooting support and proper integration (no more Spicy plugin)
- Out-of-the-box support for private address ranges
- Telemetry framework expansion and tunability

Themes:

Infrastructure

Usability

Zeek 6.1 recap (Oct '23)

- LDAP and QUIC analyzers (both using Spicy)
- Modbus analyzer expansion
- DLT_PPP packet analyzer
- Language improvements
 - `assert()`, `&default_insert`, `set/vector` casts, namespacing
- JSON ingestion improvements (normalization callbacks)

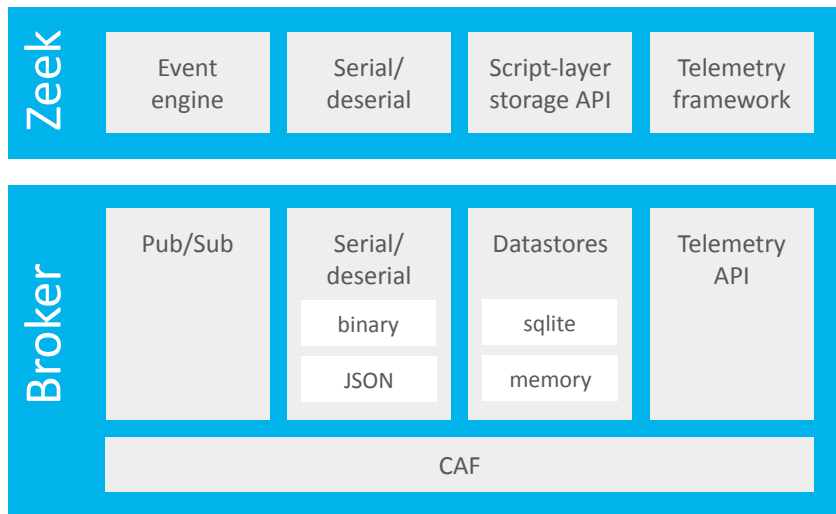
Themes:
Infrastructure
Usability
Performance

Behind the scenes:

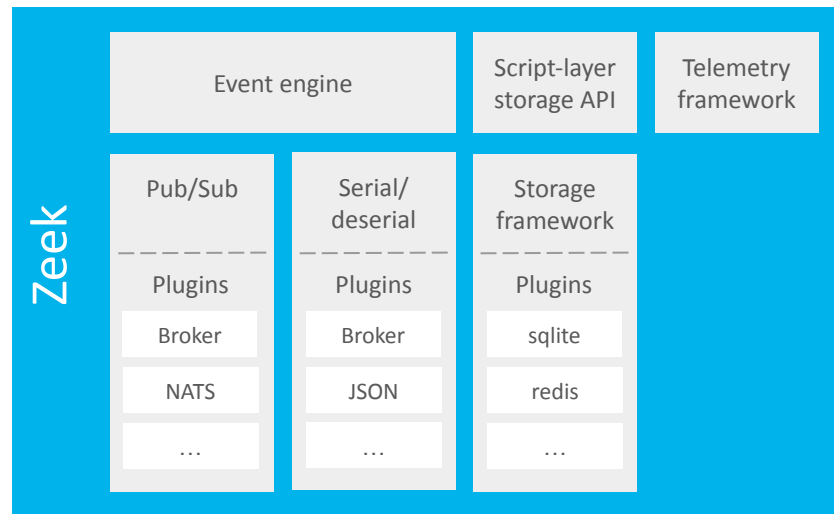
- Broker revamp begins
 - Separation of telemetry and storage functionality into Zeek proper
 - Refocusing on pub/sub to prepare for off-the-shelf comparisons
- CI-driven performance analysis (“zeek-benchmark”)
 - Macro/micro benchmarks for a range of scenarios

Zeek 6 -> Zeek 8 architectural revamp

Zeek 6

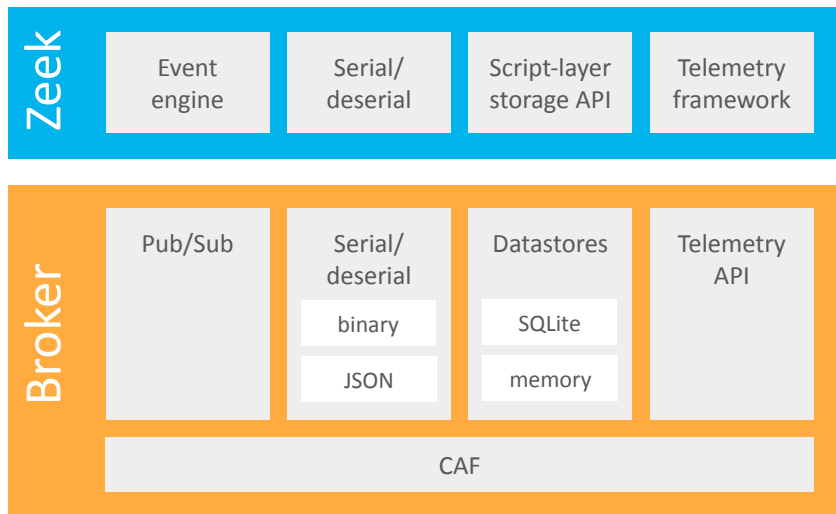


Zeek 8

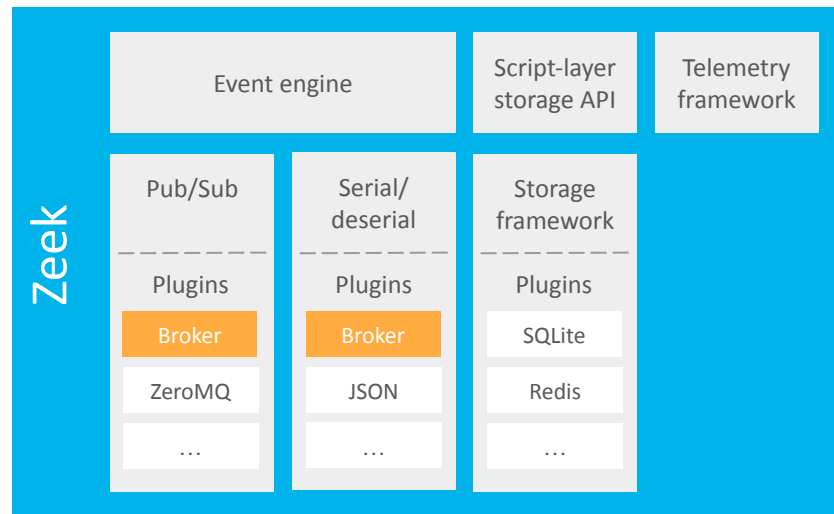


Zeek 6 -> Zeek 8 architectural revamp

Zeek 6



Zeek 8



Zeek 6.2 (March '24)

- SMTP BDAT support
- GRE-over-UDP support
- HTTP protocol upgrade support & WebSocket analysis
 - BinPAC and Spicy implementation
- QUIC analyzer improvements
- Efficient support for matching strings on `table[pattern]`
- Delayed log writes
- “X” in the conn history indicates exceeded thresholds
- `Intel::seen_policy` hook to intercept `Intel::seen behavior`

Behind the scenes:

- Broker revamp continues
 - Hurdles in the C++ OpenTelemetry code

Themes:
Infrastructure
Usability

Zeek 7 and beyond

Zeek 7.0 (Aug '24)

- New Telemetry framework
 - Based on Prometheus and service discovery
 - No longer dependent on Broker
- Spicy 1.11
 - Compiler speedups
 - Improved correctness and error reporting
 - Better resynchronization
- ZAM, the Zeek Abstract Machine, officially supported
- Lots of performance improvements
- Language features: delete on tables/sets/vectors, helper BiFs

Behind the scenes:

- Storage framework development begins

Themes:
Infrastructure
Usability
Performance

Zeek 7.1 (Jan '25)

- Packet analyzer improvements
 - New Postgres analyzer
 - LDAP, MySQL, DNS hardening and expansion
- First round of pluggable backend work landed
 - Experimental ZeroMQ backend
- Controllable Broker buffer sizing & backpressure
- Expanded operational metrics in telemetry
- IP protocol logging in conn.log
- Spicy 1.12: conditional unit fields, improved error handling, faster compilation

Themes:
Infrastructure
Usability

Behind the scenes:

- Storage framework development continues, lots of sync/async iteration

Zeek 7.2 roadmap (~April '25)

- New storage framework lands
 - SQLite & Redis backends, NATs prototype, all pluggable
- Expanded cluster backend infrastructure
 - New WebSocket support
 - Additional refactoring of Broker
- DPD analyzer detachment/logging improvements
 - Configurable updates to analyzer.log, log analyzer history
 - conn.log service confirmation/violation logging
 - dpd.log deprecation
- Add log schema tooling
- zkg usability improvements — UX, bundles, tidiness

Themes:
Infrastructure
Usability

Zeek 8 roadmap (~Aug '25)

- New frameworks & infrastructure mature
- Bugfix / maintenance release
- Documentation push
- Resume cluster management improvements 🙌

Themes:

Infrastructure

Usability

There's a lot more — check our [release notes](#) for new, changed, deprecated, and removed functionality, and [follow our blog](#) for release updates.

Also, a huge thank you to our contributors! 🙏

Thanks!

Documentation

<https://docs.zeeb.org>

Community links

<https://zeeb.org/community>

Github project

<https://github.com/zeeb>

Project wiki

<https://github.com/zeeb/zeeb/wiki>