LTS
Releases …

ATS Summit - Spring 2019

ATS Release Roadmap

v10.0.0…
v9.x LTS branch…

v9.0.0   v9.0.1
v9.x LTS branch (2 years)

v8.2.0 (optional)
v8.1.0 (optional)   v8.1.1
v8.0.0   v8.0.1   v8.0.2
v8.x LTS branch (2 years)

v7.2.0 (optional)   v7.2.1
v7.1.0   v7.1.1
v7.x LTS branch (2 years)

v6.2.1   v6.2.2
v6.2.0   LTS

06/16   12/16   06/17   12/17   06/18   12/18   06/19   12/19   06/20   12/20   06/21
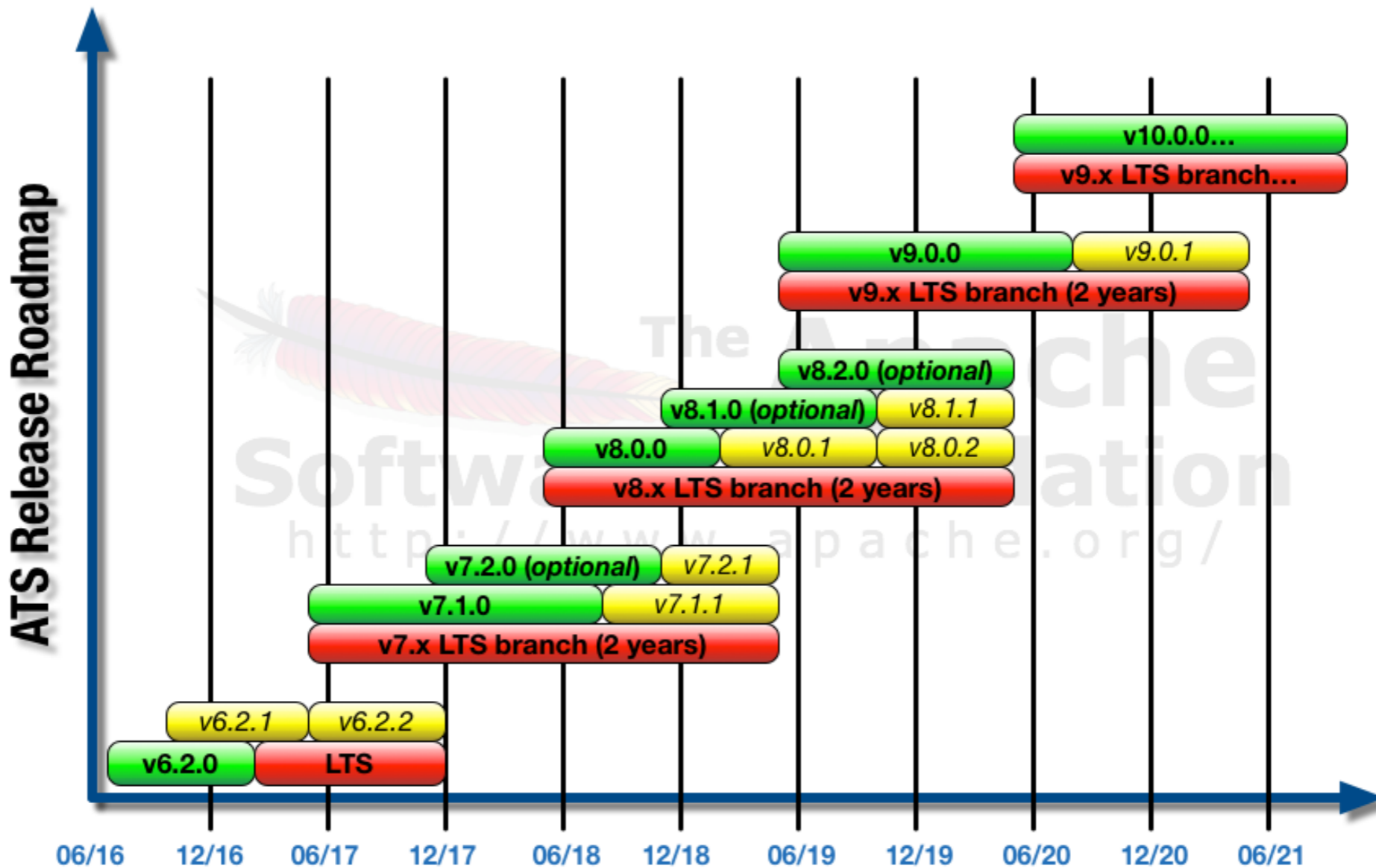
New Order

This is the work!!!

What is not working (IMO)?

- Lots of code changes, little testing and use in production

- We're moving too fast on master / v<next>, without making stable LTS releases.

  - Little commitment to make LTS releases stable

- We spend a lot of time reviewing, identifying and fixing bug, in areas with little automatic testing, and new code not being used in production.

Options

1. We branch 9.0 now, and everyone commits to actually making the 9.0 code stable before ~june. I.e. stop master development for 3 months.

2. We change release cycle to ~15-18 months, branch 9.0 in ~July / august, release in December. v8.0.x continues LTS, skip v8.1.0.

3. We change release cycle to 2 years, branching 9.0 in ~Feb - March 2020. v8.1.0 becomes next LTS.
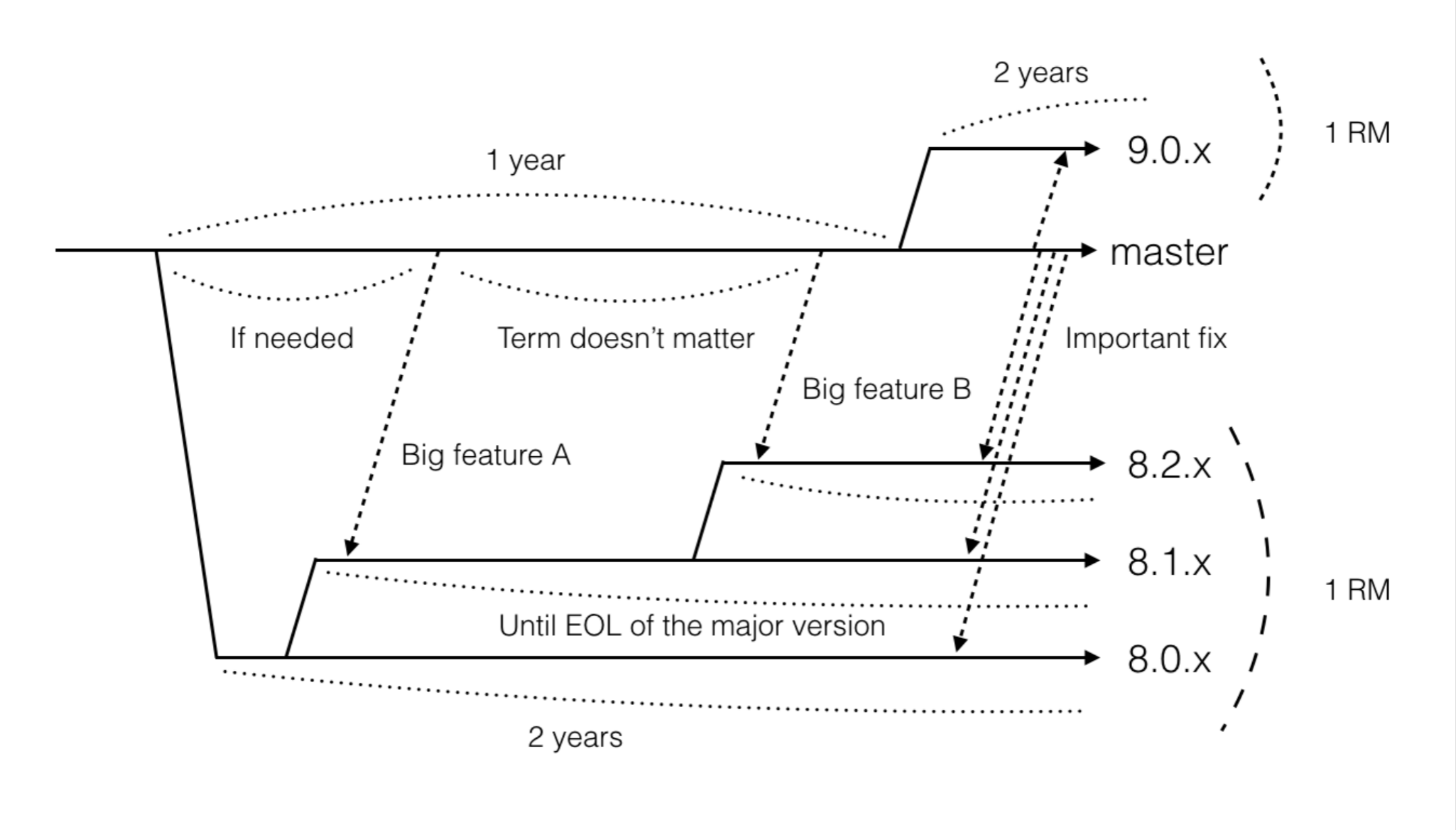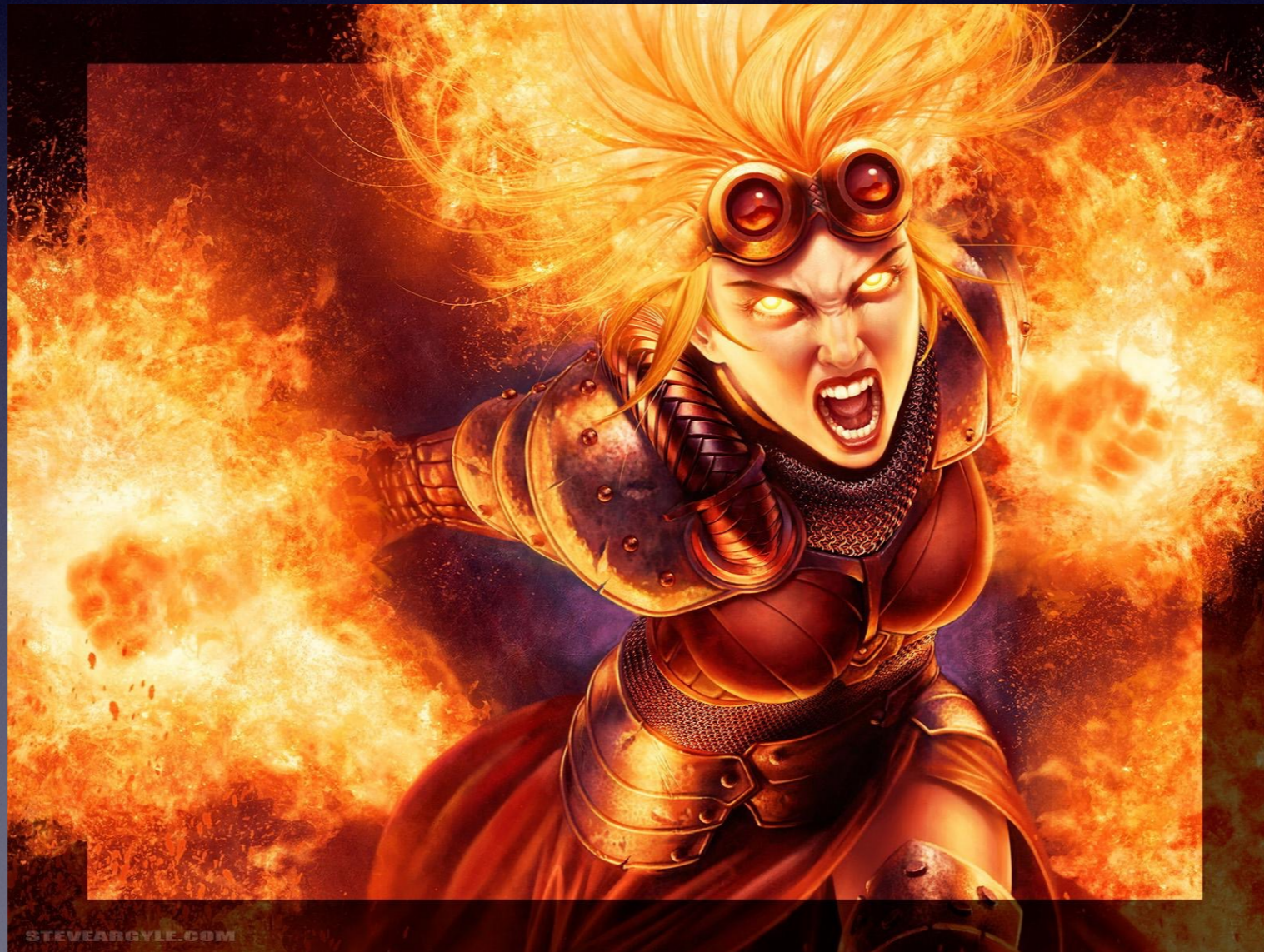
git

Pay attention (Geffon, we miss you!)

Kill it with Fire!

What should we remove for v9.0?

HTTP/0.9

- We killed / deprecated this a while ago

- Do we still have remnants of 0.9 in the code ?

- It was /is used for QUIC ?

Log collation

- Feature is deprecated

- Code still needs to be removed

TLS

- Remove the SSL3 code / #ifdef's, i.e. perm remove

- Should we #ifdef TLS v1.0 and v1.1 ?

WCCP

- Unsupported protocol

  - Does it even do IPv6 ? (There was a draft, but no progress)

- Lots of code and configurations

  - Removing this might let us kill tsconfig?

traffic_manager

- We already allow not binding ports in manager

  - We need SO_REUSEPORT

- Features from _manager can / should move to _server

  - "manager" threads?

- JSON RPC ?

- All the proxy.config.admin.* configs?

HTTP UI

- This has a lot of ugliness to it

- Possibly insecurities (backdoor)

- Should move to traffic_ctl, traffic_cache_tool etc.

SOCKS

- We tried before, but got -1's

- Should we try again?

- Seems misguided at best ?

- Lots of code / configurations

Log rotation

- Lots of complicated code right now

- Better tools available outside of ATS

- We would need to allow a signal (e.g. HUP) to signal rotation has happened

Various minor features

- Alarms (proxy.config.alarm_email etc.)

- proxy.config.cache.http.compatibility.4-2-0-fixup

- proxy.config.http.allow_half_open

- proxy.config.http.parent_proxy.mark_down_hostdb

- proxy.config.http.cache.vary_default_*

- proxy.config.http.server_tcp_init_cwnd

- proxy.config.cache.*_filename

- proxy.config.cache.enable_checksum

Configurations and metrics

- There are a lot of configurations I've never seen / used, the previous was just a quick glance

- I'd like a task force to go through all configurations, and make proposals for the mailing list for removals

- Same with the metrics (we already cleaned out a lot)