

OpenAFS Release Team Report

Michael Meffie

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OpenAFS Release Team

- Weekly meetings via jabber
 - jabber: [release-team@conference.openafs.org](jabber:release-team@conference.openafs.org)
 - email: release-team@openafs.org
- Regular participants
 - Stephan Wiesand - 1.6.x release manager
 - Benjamin Kaduk - 1.8.x release manager
 - Mark Vitale
 - Michael Meffie

Release series

- 1.6.x stable series continues to be maintained
- 1.8.0 was released in April 2018!
 - Six years of development work pulled into a stable release
- Master branch is now open for new features

Release process

- Code reviews held on <https://gerrit.openafs.org>
- Commits merged to master (development branch)
- Cherry picked from master to stable branches and re-reviewed
- See wiki.openafs.org developers section



OpenAFS code contributors

Committed within the last 24 months:

Anders Kaseorg

Andrew Deason

Benjamin Kaduk

Caitlyn Marko

Chaskiel Grundman

Christof Hanke

Damien Diederer

Daria Phoebe Brashear

Dave Botsch

Garrett Wollman

Ian Wienand

Jeffrey Altman

Joe Gorse

Jonathon Weiss

Marcio Barbosa

Mark Vitale

Matt K. Light

Michael Lass

Michael Meffie

(continued...)



OpenAFS code contributors

Nathaniel Filardo

Neale Ferguson

Pat Riehecky

Sergio Gelato

Seth Forshee

Stephan Wiesand

Tim Creech

Yadav Yadavendra



OpenAFS 1.6.x stable series

- 2018-04-17 1.6.22.3
- 2018-02-01 1.6.22.2
- 2017-12-21 1.6.22.1
- 2017-12-05 1.6.22
- 2017-09-21 1.6.21.1
- 2017-07-04 1.6.21
- 2017-04-13 1.6.20.2
- 2016-12-14 1.6.20.1
- 2016-11-30 1.6.20
- 2016-11-10 1.6.19
- 2016-08-03 1.6.18.3
- 2016-07-18 1.6.18.2
- 2016-06-21 1.6.18.1

Stable release priorities

- Security fixes
- Bug fixes
- Linux mainline kernel releases
- Distro specific kernel releases
- Latent bugs and warnings uncovered by compiler improvements
- Documentation updates
- Minor features and improvements
- Contributed packaging files

Security advisories

- OPENAFS-SA-2017-001
 - Remote triggered rx assertion failure
 - Fixed in 1.6.22 (MTU sanity checks)
- OPENAFS-SA-2016-003
 - Directory information leaks
 - Fixed in 1.6.20 (clear recycled buffers)

Platform support for linux

- RHEL 7.5 directory handling (1.6.22.3)
- RHEL 7.4 current working directory fixes (1.6.22.2)
- Changes to support mainline linux (4.17rc as of today)
- Nightly build and smoke test of linux rc kernels

Platform support

- Solaris 11.3
 - Oracle Developer Studio support
- MacOS
 - High Sierra (10.13) as of 1.6.22.2
 - fixes, packaging, APFS aware

Upcoming 1.6.23 release

- ubik: update epoch as soon as sync-site is elected
- ubik: fix quorum lose on first write transaction
- Solaris 11.3: fix deadlock while flushing RO vnodes
- avoid counting bad opcode towards abort threshold
- vldb cache timeout option; afsd -volume-ttl
- FreeBSD sysnames for i386 and amd64 10.4, 11.1, and 12.0
- rpm spec file: separate debuginfo packages for kmods
- refactor acinclude.m4
- support for git review



OpenAFS 1.8.0

What's new in 1.8.0

- Many internal code cleanups
- Better support for non-DES encryption types
- Pthreaded vserver, ptserver, and most utilities
- Rx atomics and other Rx improvements
- Server log files are no longer truncated on startup
- Remove Linux 2.2 and 2.4 support
- and many more... see NEWS

OpenAFS 1.8.1 upcoming

- Fix for crash when cache by-pass is enabled
- More useful library exports for external tools
- Build fix for broken GNU libtool on Solaris

master branch

Patches under review for future releases:

- GSSAPI based rx security class (rxgk) phase 1
- Linux fast-path patches (dvhint)
- More LWP to pthread conversion (scout, xstats)
- Sockaddr conversion of IPv4 addresses
- and many more... See <https://gerrit.openafs.org>



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