2024 OpenAFS Workshop

OpenAFS Release Team Report

June 10, 2024

About me

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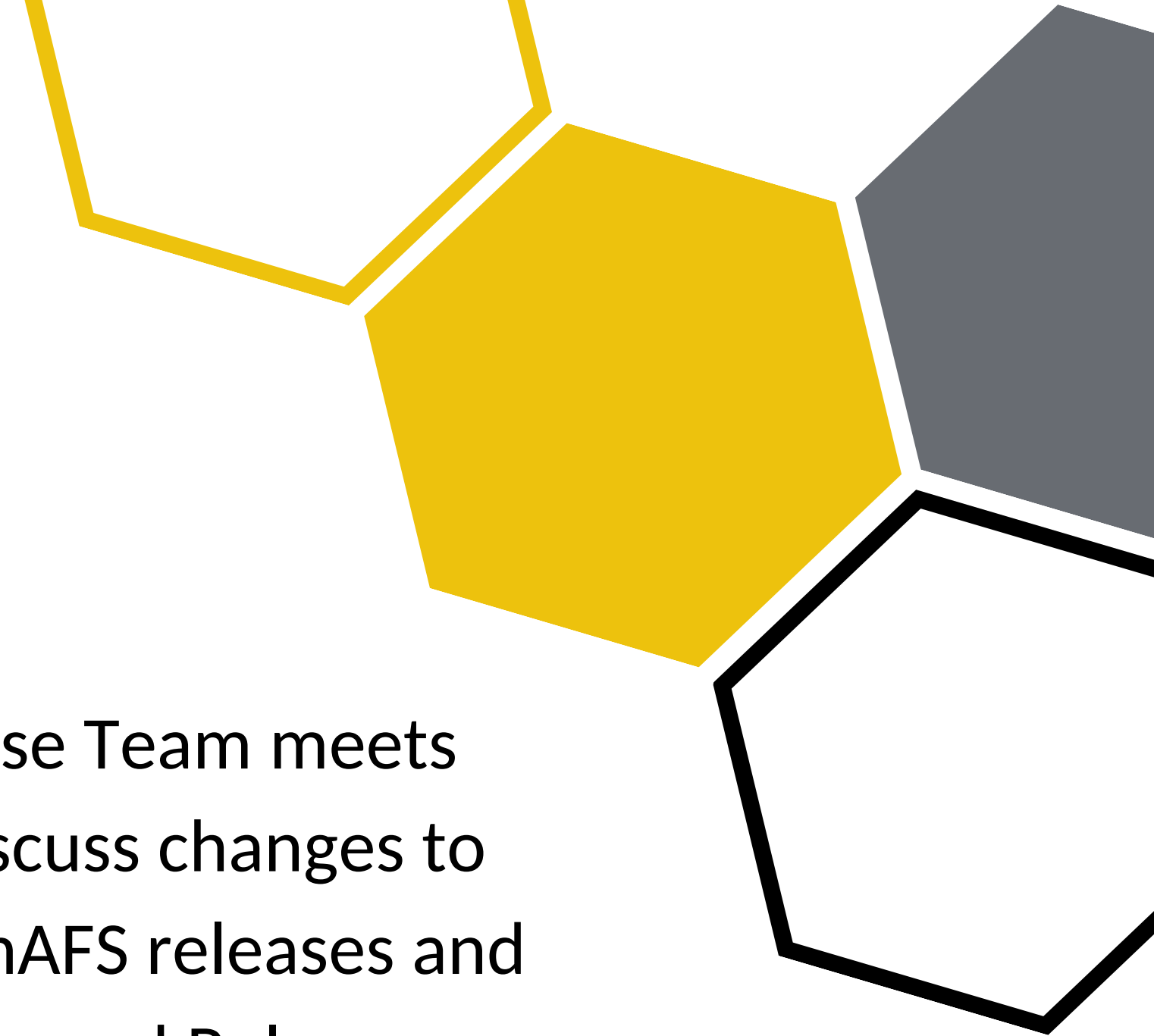**2.** | The Release Process

How are new OpenAFS releases created.

3. | New Releases

Recent OpenAFS releases include support for new Linux versions, bug fixes, and enhancements.

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OpenAFS Release Team

The OpenAFS Release Team meets weekly online to discuss changes to be included in OpenAFS releases and to assist Maintainers and Release Managers.

Our Mission

Create timely, high-quality OpenAFS releases for the user community and open source software distributions.

01 About the Team

01 About the Team

The release team is an informal public group that meets with the Release Manager and Maintainers to help shepherd changes into OpenAFS releases.

Active Members

- Stephan Wiesand (DESY)
- Benjamin Kaduk (MIT Alumnus)
- Michael Meffie (Sine Nomine Associates)
- Cheyenne Wills (Sine Nomine Associates)
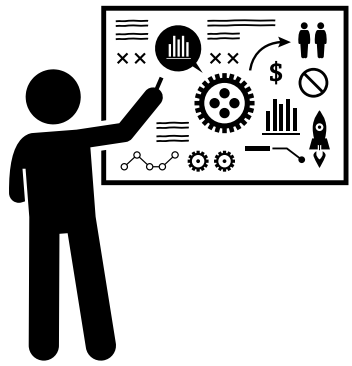- Mark Vitale (Sine Nomine Associates)

Additional Participation

- Jeffrey Altman (AuriStor)
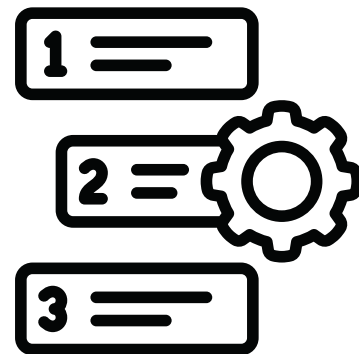- Marcio Barbosa (Sine Nomine Associates)

What We Do

Discuss change priorities

Coordinate backports to stable branches

Review source code changes

Note: Security releases are managed on a **separate track** due to security embargoes

Weekly Meetings

- Every Thursday
- 12:00pm to 1:00pm EDT
- irc.libera.chat
- #openafs-releaseteam

Moved to a public IRC channel (previously on Jabber)

Connect by pointing your IRC client to irc.libera.chat:6697 (TLS) and join channel #openafs-releaseteam

Notes distributed to openafs-devel mail list

How to Participate

1

2

3

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#irc

Join the OpenAFS mail lists.

Participate in the weekly IRC meetings.

Review code on gerrit.openafs.org

Test release candidates.

02

The Release Process

02 Process

Types of releases

OpenAFS categorize releases as Major, Minor, and Security.

Overview of the process for OpenAFS releases.

A overview of the process we use to cut a release.

Release Types

Our tradition is to do infrequent major releases, with more frequent minor and security releases between.

Major Release

Major releases are cut from the development branch to start a new minor release series.

Minor Release

Bug fixes, platform support, non-intrusive improvements. Changed backported from the development branch. We call this the "stable" releases.

Security Release

Security resolutions only, accompanied by an advisory.

Plan

Review the changes available for backporting to the stable branch. Determine changes to support upcoming Linux releases. Coordinate changes on the virtual whiteboard.

Release

Write release notes and provide release candidates for testing. Maintainers tag releases, upload source distribution, and announce the release.

Review and Merge

Submit changes to the Gerrit Code Review system. Review code changes. Maintainers merge approved changes.

03 New Releases

03 New Releases

Several new minor releases are available since the last workshop.

This section outlines the latest OpenAFS software release and highlights some of the significant changes in the updates.

OpenAFS 1.8.10

June 29, 2023

Linux kernel 6.4
macOS 13 (Ventura)
AIX 7.1, 7.2, 7.3

Changes

Hardening: More changes to avoid possible string buffer overflows.

Automatically take volumes offline during read-only to read/write conversion.

New option to query symbolic links with the **fs** command.

OpenAFS 1.8.11

March 7, 2024

Linux kernel 6.5, 6.6, 6.7
macOS 14 (Sonoma)

Changes

Fix File Server and Protection Server crashes.

Fix Rx RPC call number checking to avoid rerunning calls.

Fix a PAG object memory leak in the cache manager.

Log a warning when the Bos Server is not running in **restricted mode**.

The Bos Server no longer creates client configuration directories and symlinks.

OpenAFS 1.8.12(pre)

Pre-release coming soon.

Linux kernel 6.8, 6.9

Changes

Support Linux kernel 6.8 and 6.9

Code hardening required for Linux and C compilers.

Cache Manager: Do not panic crash when writing to the cache while creating or extending directories.

04 Acknowledgements

04. **Acknowledgements**

Credits to the people that continue to support the OpenAFS code base.

Developers

Recent stable release code contributors.

- Andrew Deason
- Ben Huntsman
- Benjamin Kaduk
- Cheyenne Wills
- Derek Atkins
- Ganesh Chaudhari
- Indira Sawant
- Jeffrey Hutzelman
- Kailas Zadbuke
- Marcio Barbosa
- Mark Vitale
- Michael Meffie
- Stephan Wiesand
- Yadavendra Yadav

Buildbot

Hosting and maintaining OpenAFS continuous integration builders

- Ben Huntsman (AIX)
- Måns Nilsson (FreeBSD)
- Derek Atkins (Fedora)
- Cheyenne Wills (Linux)
- Marcio Barbosa (macOS)

Release Testers

Previously, volunteers would download and run the release candidate on non-critical systems and share their findings.

Pre-releases are created for major and minor releases.

Watch for announcements on the mail lists.

Build from source code or download pre-release RPM packages provided by Sine Nomine Associates.

Please send test reports (good and bad) to the mail lists or let us know in RT (bug tracker).

Thanking everyone for the ongoing support.

Thank you for your dedication in preserving the OpenAFS legacy.

Thank you

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