TianoCore community update

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Intro

Last year we presented a bit of a catch-up 2019-2024, as well as some changes that were coming.

This presentation goes through what's happened with that, as well as the (positive and less positive) effects of those changes.

…and then we'll talk a bit about more changes coming.

Github assimilation

The move to the Github PR process

The move to Github PRs for code review happened as announced, shortly after the 2024.05 stable tag.

Ultimately, we abandoned the effort to provide a review history in mailing list archive format since it kept delaying the move. So we went cold turkey.

Github processes retrospective

Positives

- A noticeable increase in activity
  - Including by Microsoft, who made good on their promise.
- Easier to keep track of contributions in flight
  - But in some cases this simply highlights areas of the repository with a reviewer shortage.

Less so

- CI took a very heavy hit by suddenly being invoked for every submitted PR.
- Users need to be manually added to the project in order to be able to comment on PRs.

Bugzilla closed down

All the bugzilla items have been migrated to github issues.

Old BZ#### is kept in issue titles, so searching against old ticket numbers is reasonably straightforward. But unfortunately the old bugzilla is completely closed down.

The move to Github for security issues

Migration happened as announced summer 2024.

https://github.com/tianocore/tianocore.github.io/wiki/GHSA-GitHub-Security-Advisories-Proceess

Membership of TianoCore infosec required for pre-disclosure access.

Other project updates

New stewards added

Ard Biesheuvel (Google) and Michael Kubacki (Microsoft) joined the TianoCore stewards team in February 2025 in recognition of work already being done.

Codebase changes

FdtLib is dead, long live BaseFdtLib

Ages ago, select pieces of libfdt were half-heartedly copied/integrated into EmbeddedPkg for ArmBds to use.

In the way software works, this ultimately leaked outside that scope and started being used in many places across the codebase. But it was unmaintainable, caused coding style mismatch all over the place, and .

We've now had a cleaner BaseFdtLib, a wrapper around a libfdt submodule, in MdePkg for a couple of years. That has now* replaced the old FdtLib for all users in the main edk2 repository. The EmbeddedPkg FdtLib will be deleted at some point after the 2025.05 tag.

* an utter lie at the time of writing, hopefully not when presenting
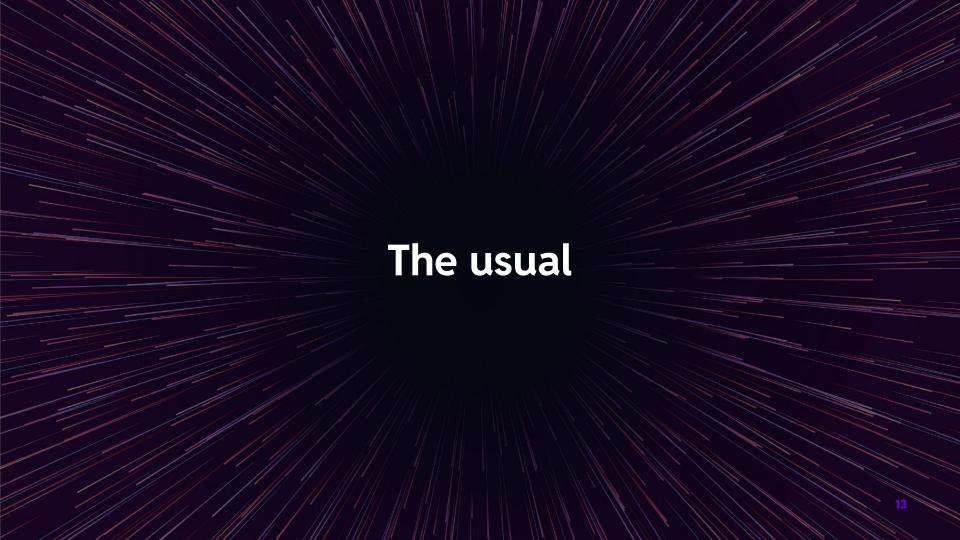
ArmPkg and ArmPlatformPkg

When Arm support was initially added to edk2, it was done as a proof-of-concept in a couple of separate top-level directories/packages.

But this isn't how other architectures do it. Their architectural support is split across MdeModulePkg, MdePkg, and UefiCpuPkg.

https://github.com/tianocore/edk2/issues/10289 (a.k.a. BZ4121) exists for the purpose of (eventually) getting rid of ArmPkg. And we have started moving things out.

The usual

As always, we could use more volunteers

If you're interested in helping out with code review, let us know, we can add you to the access lists.

Or start ticking off open issues in the backlog.

Mailing lists (devel@edk2.groups.io) and irc channel (OFTC #edk2) still exist for asking questions.

Adjacent updates (UEFI forum)

UEFI forum update

With the migration of code contributions to Github PRs, we also updated the "code first" workflow for drafting updates/additions to UEFI forum maintained specifications to match.

Meanwhile - ACPI, PI and UEFI specifications have all moved to being maintained in .rst format under https://github.com/UEFI/. UEFI forum members can request to be added to the github UEFI organisation and then submit PRs against the specifications. Ideally matched against tickets in the UEFI Forum mantis system.

Thank You!