

# Zephyr release engineering

Fabio Baltieri, Google  
Github: @fabioaltieri  
Discord: fabiofw

Zephyr Project Meetup, Brussels  
Jan 30 2026

# Who am I

- Google, ChromiumOS Embedded Controller
- Input subsystem maintainer
- Release team
- CI/infrastructure
- Random stuff (github action...)
- Zephyr Contributor, I see something broken, I break it in a different way

## Release Engineering Team

A team of active Maintainers involved in multiple areas.

- The members of the Release Engineering team are expected to fill the Release Manager role based on a defined cadence and selection process.
- The cadence and selection process are defined by the Release Engineering team and are approved by the TSC.
- The team reports directly into the TSC.

Release Engineering team has the following rights and responsibilities:

- Right to merge code changes to the zephyr tree following the project rules.
- Right to revert any changes that have broken the code base
- Right to close any stale changes after <N> months of no activity
- Responsibility to take directions from the TSC and follow them.
- Responsibility to coordinate code merges with maintainers.
- Responsibility to merge all contributions regardless of their origin and area if they have been approved by the respective maintainers and follow the merge criteria of a change.
- Responsibility to keep the Zephyr code base in a working and passing state (as per CI)

Joining the Release Engineering team

- Maintainers highly involved in the project may be nominated by a TSC voting member to join the Release Engineering team. Nominees may become members of the team by approval of the existing TSC voting members.
- To ensure a functional Release Engineering team the TSC shall periodically review the team's followed processes, the appropriate size, and the membership composition (ensure, for example, that team members are geographically distributed across multiple locations and time-zones).

👤 13 members 🔍 0 child team members

Role ▾



**Benjamin Cabé** kartben



**Anas Nashif** nashif



**Fabio Baltieri** fabiobaltieri



**Chris Friedt** cfriedt



**Johan Hedberg** jhedberg



**Henrik Brix Andersen** henrikbrixandersen



**Maureen Helm** MaureenHelm Maintainer



**Dan Kalowsky** dkalowsk



**Stephanos Ioannidis** stephanosio



**Carles Cufi** carlescufi



**Mahesh Mahadevan** mmahadevan108



**Alberto Escolar** aescolar



**Daniel DeGrasse** danieldegrasse

Issue triaging

# Not able to flash adafruit\_itsybitsy #101977

[Edit](#)[New issue](#)[Open](#)[Bug](#)

jwinarske opened 2 weeks ago · edited by jwinarske

Edits ...

## Describe the bug

Not able to flash `adafruit_itsybitsy` using `west flash` using latest (0.9.2) Adafruit bootloader.

## Regression

This is a regression.

## Steps to reproduce

Tip Of Tree Steps to Reproduce

```
west build -p always -b adafruit_itsybitsy samples/basic/blinky
west flash
```



## Relevant log output

```
(.venv) joel@air:~/zephyrproject/zephyr$ west flash
-- west flash: rebuilding
ninja: no work to do.
-- west flash: using runner bossac
No device found on /dev/ttyACM0
FATAL ERROR: command exited with status 1: /home/joel/zephyr-sdk-0.17.4/sysroots/x86_64-pokysdk-lin
```



## Assignees



cdwilson

## Labels



area: Flashing

bug

priority: low

## Type



Bug

## Projects



No projects

## Milestone



No milestone

## Relationships



None yet

## Development



Code with agent mode

[Create a branch](#) for this issue or link a pull request.

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Cl



# Incident History

< November 2025 to January 2026 >

## January 2026



### Disruption with some GitHub services

This incident has been resolved. Thank you for your patience and understanding as we addressed this issue. A detailed root cause analysis will be shared as soon as it is available.

Jan 22, 14:12 - 15:02 UTC



### Policy pages for Copilot are timing out

This incident has been resolved. Thank you for your patience and understanding as we addressed this issue. A detailed root cause analysis will be shared as soon as it is available.

Jan 21, 19:31 - 20:53 UTC



### Copilot Chat - Grok Code Fast 1 Outage

This incident has been resolved. Thank you for your patience and understanding as we addressed this issue. A detailed root cause analysis will be shared as soon as it is available.

Jan 21, 11:33 - 12:38 UTC

+ Show All 21 Incidents

# ✖ Run tests with twister #232508

Re-run jobs ▾ ⋮

- ✔ twister-build (184)
- ✔ twister-build (185)
- ✔ twister-build (186)
- ✔ twister-build (187)
- ✔ twister-build (188)
- ✖ twister-build (189)
- ✔ twister-build (190)
- ✔ twister-build (191)
- ✔ twister-build (192)
- ✔ twister-build (193)
- ✔ twister-build (194)
- ✔ twister-build (195)
- ✔ twister-build (196)
- ✔ twister-build (197)
- ✔ twister-build (198)
- ✔ twister-build (199)
- ✔ twister-build (200)
- ✔ Publish Unit Tests Results
- ✖ Check Twister Status
- ✖ all jobs passed

Triggered via schedule 5 days ago      Status      Total duration      Artifacts  
nashif → 3dfe5a9 main      **Failure**      **10h 34m 26s**      **202**

## twister.yaml

on: schedule



## Publish Unit Tests Results summary

### Unit Test Results

201 files    1 509 suites    0s ⌚  
530 477 tests    517 790 ✔    12 559 ⚡    0 ✖    128 🔥  
535 990 runs    523 150 ✔    12 712 ⚡    0 ✖    128 🔥

# Merging PRs

# <https://merge-list.zephyrproject.io/>

## Merge list

Last update: a few seconds ago

CI: Code Coverage with codecov (? 2/4 64m) - Build with Clang/LLVM ✓ - CodeQL ✓ - Hello World (Multiplatform) ✓ - Documentation Build ✓ - Scorecards supply-chain security ✓ - Run tests with twister (? 20/21 64m)

#	Title	Tags	Author	Assignee	Approvers	Base	Milestone	↑	✓	⊘
102649	Remove OT reference device flag for OT samples and tests		Cristib05	jukkar, rlubos	jukkar, rlubos, valeriosetti	main		✓	✓	✓
102644	boards: nxp: Fix NXP MCU board names in yaml		butok	mmahadevan108	DerekSnell, lucien-nxp, mmahadevan108	main		✓	✓	✓
102638	shell: fix potential buffer overflow in shell_help_is_structured()		kartben	jakub-uc	aescolar, jakub-uc, mathieuchopstm, teburd	main		✓	✓	✓
102579	Improvements to RPI 5 docs		drozd-svtln		kartben, soburi	main		✓	✓	✓
102381	samples: net: secure_mqqt_sensor_actuator: add missing POSIX libraries		cesar-santos	jukkar, rlubos	jukkar, rlubos	main		✓	✓	✓
102232	dts: arm: st: n6: Use dedicated dts node for NPU cache (aka CACHEAXI)		betzw	erwango	erwango, etienne-lms	main		✓	✓	✓
102047	[Backport v4.3-branch] lib: os: Fix ZVFS leaking without being enabled		github-actions[bot]	andyross, nashif	cfriedt, jhedberg, nashif, nordicjm	v4.3-branch	v4.3.1	✓	✓	✓
101770	boards native nrf_bsim: Add model of LDREX/STREX/CLREX		aescolar	aescolar	hermabe, rugeGerritsen	main		✓	✓	✓
101010	drivers: flash: flash_shell.c: Fix parsing of `flash read`		mrjimenez	de-nordic	de-nordic, maass-hamburg	main		✓	✓	✓
99842	[Backport v4.3-branch] boards: adi: Ensure no flash access on MAX32657 NS		github-actions[bot]	MaureenHelm	MaureenHelm, jhedberg, ttmur	v4.3-branch	v4.3.1	✓	✓	✓
99403	[Backport v4.3-branch] drivers: flash: stm32 qspi: Make delayed data sampling configurable	ci 70d	github-actions[bot]	erwango	JarmouniA, erwango	v4.3-branch	v4.3.1	✓	✓	✓
98412	riscv: improve extension handling	ci 86d	maass-hamburg	fkokosinski, kgugala, tgorochowik	VynDragon, fkokosinski	main		✓	✓	✓
96716	doc: connectivity: usb: add initial CDC ACM documentation	ci 51d	jfischer-no	jfischer-no	kartben, mmahadevan108	main		✗	✓	✓

<https://chat.zephyrproject.org/>

The screenshot displays the Discord chat interface for the zephyrproject. The top bar shows the server name 'zephyrproject' and the current channel '# pr-help'. The sidebar on the left lists various channels, with two red arrows pointing to '# release' and '# pr-help'. The main chat area contains a message from 'Fin Maaß' at 13:20 on 23 January 2026, discussing a pull request. Above this message is a GitHub pull request preview for 'VIEWESMART/UEDX46460015-MD5OESP...'. The right sidebar shows a list of online members, including 'lvaxvhbe', '!Skipper', '\$antaClaws', 'Osays\_a', 'Oxfriedy', '16kbytes', '4pplet', '4ward', '9superswords', '[FniX]', '\_samplr', 'aae30', 'aaillet', 'aaronmassey', and 'Abdul Muhaimin'.

# <https://pr-dashboard.zephyrproject.io/>

fabiobaltieri

Authored Requested changes Assigned Reviewer Approved Previously Approved Commented More... ▾

**Authored (5)** Search:

PR	Title	Author	Assignee	Reviewers	Base	Updated
102673	drivers: i2c: adopt SHELL_HELP in I2C shell	fabiobaltieri	teburd	jilaypandya, maass-ham...	zephyr/main	a day ago
100671	samples: add a ec_host_cmd_usb sample	fabiobaltieri		niedzwiecki-dawid	zephyr/main	a day ago
102588	docs: api_lifecycle: remove deprecated api after one release	fabiobaltieri	keith-zephyr	nashif, carlescufi, kartb...	zephyr/main	3 days ago
101736	usb: device_next: usbd_cdc_{ecm,ncm}: support promisc mode	fabiobaltieri	jfischer-no	jukkar, jfischer-no, josua...	zephyr/main	18 days ago
99804	pr_metadata_check: add a "all approval" check	fabiobaltieri	nashif, stephanosio	jfischer-no, aescolar, ka...	zephyr/main	a month ago

**Requested changes (0)** Search:

PR	Title	Author	Assignee	Reviewers	Base	Updated
No data available in table						

**Assigned (3)** Search:

PR	Title	Author	Assignee	Reviewers	Base	Updated
102753	dts: bindings: input: move DTS snippets from `description` to `exampl...	kartben	fabiobaltieri	rruaaang, soburi, then...	zephyr/main	12 hours ago
101537	driver: input: sbus: Add connection key code	yunsmall	fabiobaltieri	bperseghetti, fabiobaltie...	zephyr/main	15 days ago
101555	input: allow batching events until sync	PetervdPerk-NXP	fabiobaltieri		zephyr/main	21 days ago

**Reviewer (41)** Search:  Last update: 7 minutes ago

PR	Title	Author	Assignee	Reviewers	Base	Updated
102351	ci: doc: workflows: Add CI for Doxygen coverage delta ch...	kartben	nashif, stephanosio	pdgendt, carlescufi...	ze	m

Rebase needed  
CI failed / pending  
Unknown status  
Trivial  
CI-built documentation

Release the Zephyr Release

# Zephyr 4.4 Release Checklist #99324

Edit

New issue



Open

Task



cfriedt opened on Nov 13, 2025

Member ...

## As soon as possible

- Ensure there is a draft `doc/releases/release-notes-4.4.rst` and `doc/releases/migration-guide-4.4.rst` with feature summary from the previous one and if not create one (previous [doc: releases: add working draft release notes + guide for v3.7.0 #69418](#))
- Ensure the draft `release_notes` and migration guide for this release (4.4) are included in the toc ([doc: releases: expose draft 4.3 release notes + migration guide in toc #93457](#))
- Ensure `MAINTAINERS.yml` "Release Notes"s maintainers to point at the current release owners ([MAINTAINERS: add cfriedt and jhedberg as release notes maintainers #93388](#))
- Set the current release managers as assignee's in this issue and ensure it is linked from the [release plan](#).

## From day one but with extra focus as we approach RC1 and after:

- Check the CI [weekly](#) run for build failures that should be fixed and report or fix them.
- Make sure the release plan is kept up to date ([Release Plan](#))
- Ensure the [release management page](#) has an up-to-date schedule for the release

## One month before RC1:

- Ping west project maintainers to remind them of the RC1/freeze deadline and to consider if their modules should be updated (you may want to extract all west projects' maintainers names from the `MAINTAINERS` files and create an issue like) ([West project readiness for Zephyr 4.3 #97555](#))

## Assignees



No one - [Assign yourself](#)

## Labels



Meta

## Type



Task

## Projects



Release Plan

Status To Do ▾

## Milestone



No milestone

## Relationships



None yet

## Development



Code with agent mode

“Fix”

# Scalability

## Contributors

Period: All ▾

Contributions per week to main, line counts have been omitted because commit count exceeds 10,000.

### Commits over time

Weekly from Dec 14, 2014 to Jan 18, 2026

...



<https://www.youtube.com/@ZephyrProject>

<https://open.spotify.com/show/6N0DXmiPSSiGbPBfm2XkLw>

<https://podcasts.apple.com/us/podcast/the-zephyr-podcast/id1838016383>



Questions

