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Tenth Community Meeting Arduino ESP32 Core

27/04/2023

Content

Community Meeting Purpose

BRING MORE TRANSPARENCY

COLLECT VALUABLE FEEDBACK FOR DEVELOPMENT

IMPROVE USER EXPERIENCE

ANSWER AND ADDRESS COMMUNITY REQUESTS

Meeting rules

- *Polite and friendly environment*

- *Consider different knowledge levels of the participants*

- *If you have any comments or questions, don't hesitate to ask*

Development Updates

2.0.8 released last week

- Bug fix release (34k downloads so far)

- 2.X.X versions are design freeze

Regressions

- Completely inline the helper pure abstract __FlashStringHelper class #7941

  [Merged] Breaks external libraries: ESPASyncWebserver, TASMOTA, etc

To be discussed

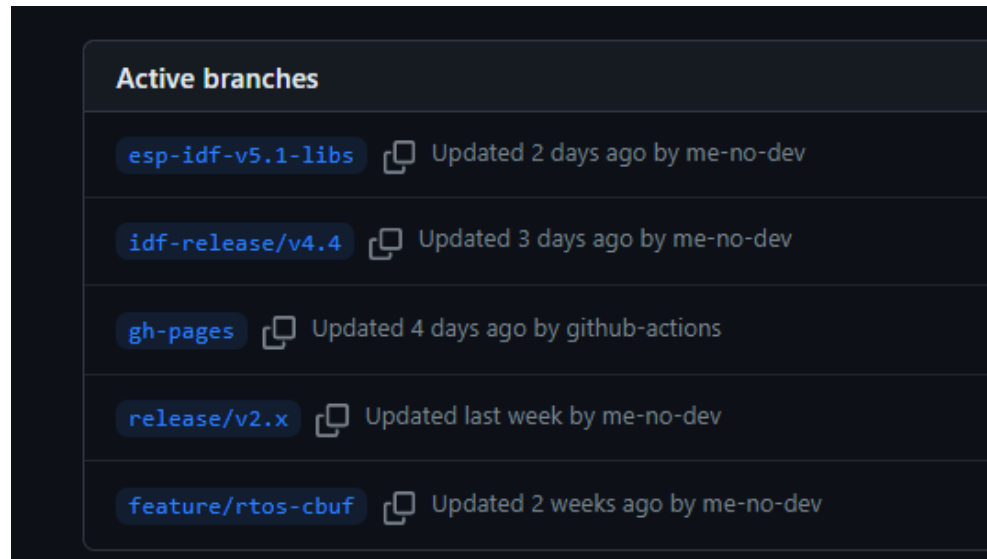- Esp insights library support #7566

  [v2.0.6] PR changed partition structure. Upgrading firmware in field based on v2.0.5 to v2.0.6/7 causes issues due to changed partitions. Workaround: use a custom partition definition.

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Development Updates

3.0.0 release

- [Roadmap](#) – adding tasks to Backlog
- Main focus is now on Peripherals
- [Overview of ESP-IDF 5.1 Support](#)

Branches explanation

Development Updates

CI Updates

- External Library testing
  - [documentation](#)
  - [results](#)
  - [triggering tests for PRs](#)

- New boards tests
  - [[CI] Added New Board Test](#)
  - [CI - All boards test](#)

Community Topics

Communication

mrengineer7777 2 weeks ago   Collaborator   Author

Topic: Communication

Please talk to us! We have several active developers in this community that know the ESP32 well enough to improve libraries, like me. However we don't necessarily know "why" things were done a certain way, so our PRs may not be acceptable for merging. Need timely feedback on PRs. Help us to help you.

A live comunications channel like Teams or Slack would be amazing. Even email would be acceptable if it doesn't get lost.
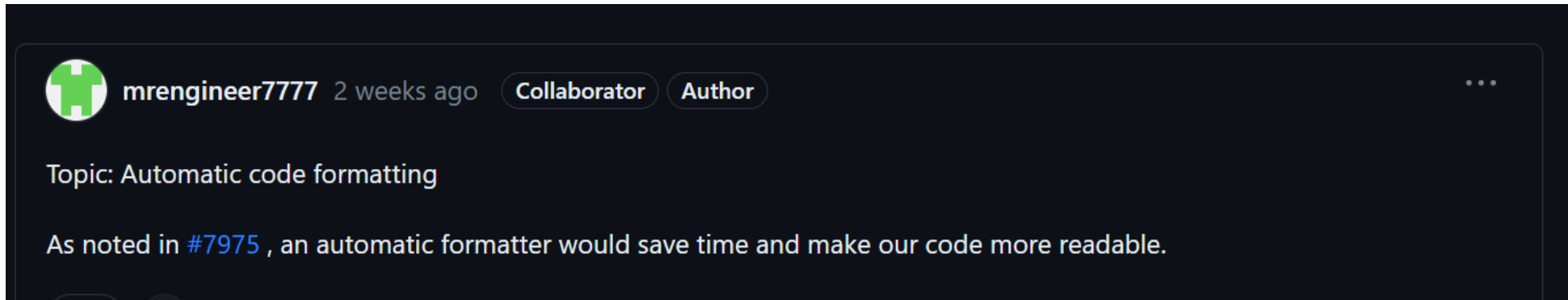Gitter `arduino-esp32` channel is used for general user issues.
Gitter `esp32-arduino-devs` (private) channel can be helpful. Notification of messages is poor and group chat nature means it gets ignored a lot.

Automatic code formatting

- [Add action to auto format pull requests and pushes #7975](#)

#7942 Breaking change

- [Related discussion](#)

Documentation

- [Related discussion](#)

Issues labeling & Clean-up

From previous Meeting

To-Do: ==FAQ==, ==active members can have access to Labels, core Devs channel on Gitter refreshed==

mrengineer7777 2 weeks ago **Collaborator** **Author**

Topic: issue labeling and cleanup

Overwhelming number of issues makes it difficult to find actual bugs.
I will suggest new labels and perhaps delete old ones.
Some issues are related to user code implementation and may not be bugs.
Lots of "for reference" issues. These should be added to documentation and closed out.

↑ 1   ☺

VojtechBartoska yesterday **Maintainer**

Added to agenda.

Update about "Type: For reference issues", we have started transfering those issues into the Documtation.

Some will be answer directly in related documentation page, like in this #8115.

Some will go into "FAQ section".

PR Clean-up

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mrengineer7777 2 weeks ago   **Collaborator**   **Author**

Topic: PR cleanup

Need help here from Espressif employees! What would it take to implement or close out old PRs?

↑ 1   ☺   1 reply

VojtechBartoska yesterday   **Maintainer**

We did last Cleanup in Autumn 2022, we have left around 40 PRs. Some of them serve as a reminders, others need to be processed or investigated again. We will have another Clean-up session in May.

Let's put this at the bottom of our Agenda and if we have time, we can discuss this.

If there is any PR which anyone would like to move forward, don't hesitate to link it here, we can prioritize it.

☺

Write a reply

Clarify Licensing

No updates from previous Meeting
Slide is from previous Meeting

- issues in Commercial use

- LGPL license limitation

- ideally Apache 2.0 license

Current state

- we have a list of contributors from whom we are missing their agreement
  (we'll try to contact them, email & tag them in the issue)

- We'll create an overview of licenses (up to that, define next steps)

Some steps that could be useful would be: (suggest by @dalbert2)

- Clearly identify the licenses currently used in the core, highlighting which are viral (GPLv3, GPLv2, LGPL, etc.)

- Document a solution for mixing closed and LGPL (and maybe GPL pre-v3) open-source code: how to separate and provide closed-source objects that can be re-linked with open-source modules.

- Launch projects (perhaps with a crowd-funding mechanism) to re-implement any portions of the core that are GPL or LGPL, replacing them with a more permissive license.

- It might also be worth asking library copyright holders if they would consider less restrictive or commercial licenses.

Open Discussion

Next Community Meeting Invitation

- Thursday – 29.6.2023 at 4 pm (GMT+1 time zone)

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Thank you !