15. Community Meeting
Arduino ESP32 Core

28/03/2024

Content

- *Meeting Rules*

- **Development Updates**
  - version 2.x
  - version 3.x
  - SoCs Support planning

- **Open Discussion**

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 – v2.x (based IDF 4.4.x)

- v2.0.15
  - ESP-IDF v4.4.7 released March 1st, 2024
  - backport needed of fix: HW CDC write() #9401
  - Release board - all tasks finished

  Release date:
  - Wednesday 3.4. - exact date of the release will be defined
  - Max. 2 weeks frame

- 2.x version is in maintenance period

- One more bug fix release ESP-IDF v4.4.8 is expected

Development Updates – v3.0.0 (based ESP-IDF v5.1)

- All Pull Requests processed and cleaned, yay!

- Networking refactoring merged
  - explanation of changes by Hristo

- fix: HW CDC write() #9401 - in progress

- Add ESP-NOW Arduino library #9395 - in progress

Release date:
- Wednesday 3.4. - evaluation and decision about release date of RC1
- RC1(release candidate) will be released in max. 2 weeks frame

- Migration Guide from 2.x to 3.x

- Reminder to Library maintainers to add support for v3.X

SoCs Support Overview 2024

- ESP32-P4
  - full support in ESP-IDF v5.3
  - we will start working on ESP32-P4 after release of Arduino Core v3.0.0

- ESP32-C5
  -preview support in ESP-IDF v5.3

- ESP32-C61
  - preview support in ESP-IDF v5.3

- ESP-IDF v5.3 release date is planned to end of June
- Next Arduino Core version will be based on ESP-IDF v5.3

Open Discussion

Next Community Meeting Invitation

- Thursday – 30.05.2024 at 4 pm (GMT+1 time zone)

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Thank you !