Documentation WG

Charter: https://github.com/tock/tock/tree/master/doc/wg/documentation

TockWorld 7 | June 2024

Goals

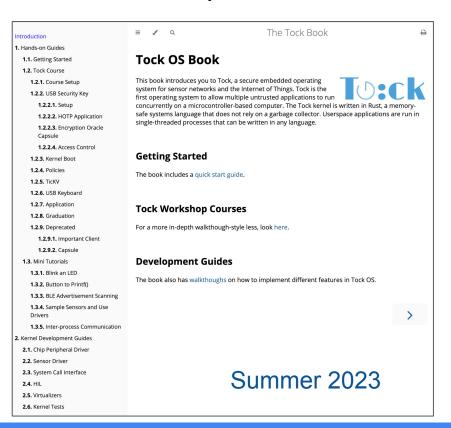
The goals of the Tock Documentation Working Group (DOC) are to:

- Maintain and improve the <u>Tock Book</u>
- Oversee and improve the <u>API docs</u>
- Maintain and improve the informational content on the <u>Tock</u> website
- Review changes to Tock documentation in the <u>doc folder</u>

Members:

- Brad Campbell (Chair)
- Branden Ghena

Tock Book Expansion





5.5.4. TBF Headers 5.5.5. Code Review

5.6.1. Compilation 5.6.2. Kernel Configuration 5.6.3. Kernel Attributes

5.6.4. Memory Layout 5.6.5. Mutable References

5.6.9. Tock Binary Format 5.7. Module Documentation

5.7.1. Process Console 5.7.2. Networking Stack

Tock Reference Documents 6.1. TRD1: TRDs

6.2. TRD3: HIL Design 6.3. TRD4: Legal 6.4. TRD102: ADC 6.5. TRD103: GPIO 6.6. TRD104: Syscalis

5.7.3. Bluetooth Low Energy (BLE

5.6.6. Processes 5.6.7. Startup

5.6.8. Syscalis

Summer 2024

Docs in github.com/tock/tock

- Now focused on:
 - How to implement
 - Contributing guidelines
- Majority of content moved to book
 - Make the book the go-to place for finding Tock documentation

README.md

Tock Documentation

General kernel documentation is in the <u>Tock Book</u>. Information about Tock policies and development practices is here. This folder also contains documentation on <u>syscall interfaces</u>.

For short tutorials and longer courses on how to use Tock, see the Tock OS Book.

Tock Policies

Interface Details

- Syscall Interfaces API between userland and the kernel.
- Internal Kernel Interfaces Hardware Interface Layers (HILs) for kernel components.

Tock Setup and Development

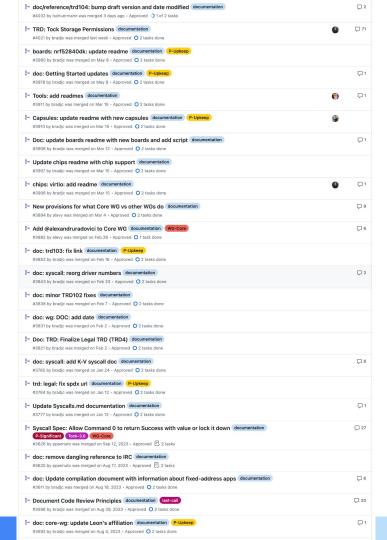
- Getting Started Installing the Tock toolchain and programming hardware.
- Repository Structure How the tock/ repo is organized.
- Nested Boards How Tock supports nesting board platforms.
- Out of Tree Boards Best practices for maintaining boards not in Tock master.
- Style Stylistic aspects of Tock code.
- External Dependencies Policy for including external dependencies.

Management of Tock

- Working Groups Development groups for specific aspects of Tock.
- Code Review Process Process for pull request reviews.
- <u>Tock Management</u> Management processes for Tock, including releases.

Non-meeting notes PRs

- <u>Document</u> what we look for during code review
- <u>Clarify</u> WG roles
- <u>Check</u> for READMEs in CI



Tock Blog posts (https://tockos.org/blog/)

- Five posts over the past year
 - Key-value store updates
 - Network WG
 - Tock on stable Rust
 - Libtock-c redesign
 - Analyzing code size bloat (cross-post)