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TF-M Platform documentation

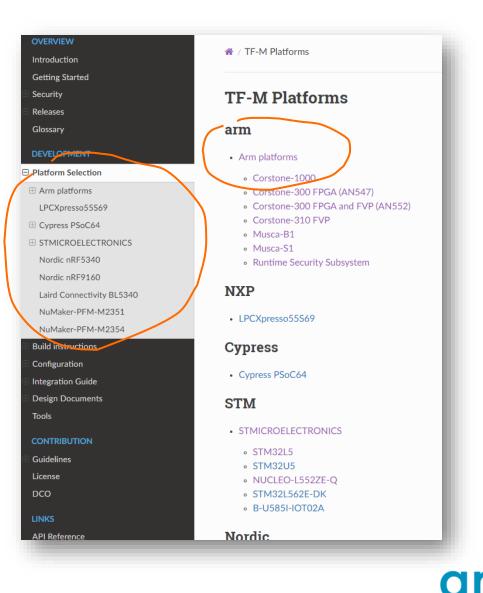
Anton Komlev Jan 2023

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TF-M Platforms Documentation Issues

https://tf-m-user-guide.trustedfirmware.org/platform/index.html

- There are no rules or standards on how to document a platform
- Leads to unstructured representation of the platforms
- -- Unclear content expectation
- Partially sorted out in the last documentation update



Platform Documentation Convention Proposal

Philosophy

- Minimise TF-M requirements and maximise flexibility to let platform vendors reuse existing documentation.
- Platforms are grouped under vendors' name.
 There is space to keep general information not specific to any of the vendors' platforms.
- A Table Of Contents (TOC) structures platforms' documentation. There is no defined template for platform documents.

The rules

- Platforms documentation is gathered in /docs/platform folder.
- A vendor is represented by a subfolder there with **index.rst** as an entrance point. This file may contain general materials about a vendor, not specific to a particular platform.
- A vendor's index.rst carries a TOCtree structure, with a list of all supported platforms at the top level.
 - An explicit platform name is preferred in a vendor's TOCtree instead of use of platform's title by default.

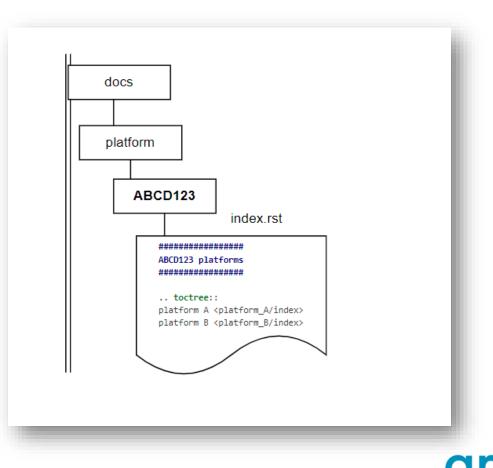
Example

1. Create a folder /docs/platform/ABCD123/

- Create a platform documentation under /docs/platform/ABCD123.
 - A Natural choice will be to document platforms under /docs/platform/ABCD123/Platform_A /docs/platform/ABCD123/Platform_B folders but it's not strictly required.
- 3. Create TOC file /docs/platform/ABCD123/index.rst with the platforms entries
- 4. Update /docs/platform/index.rst with ABCD123 entry in TF-M platforms TOC

Vendor ABCD123 has 2 platforms:

- 1. Platform A
- 2. Platform B



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