



arm

Using docker to build TFM

Hugo L'Hostis
13/05/2021

Summary

- Goal of the tool
- Tool presentation
- Demo

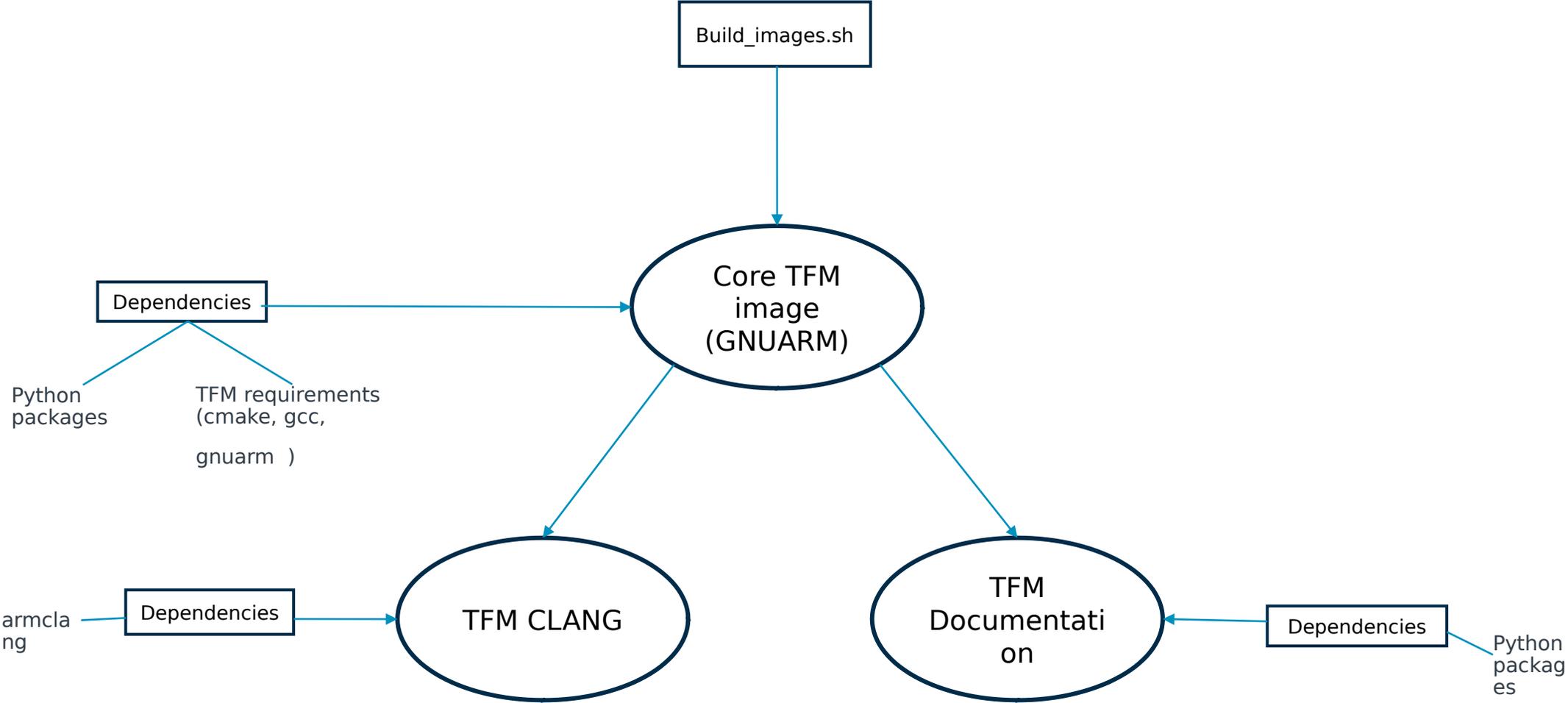
Goals of the docker tool

- Currently, many issues can occur when someone discovers TF-M and builds the project or the documentation.
- Example : <https://developer.trustedfirmware.org/T922>
- Here someone is trying to build the documentation and getting the following error :
 - make: *** No rule to make target 'tfm_docs_userguide_html'
- This message might look like an issue coming from TF-M itself, but it is caused by a tool version error.
- Docker allows us to have a base image which will be usable with no modification.

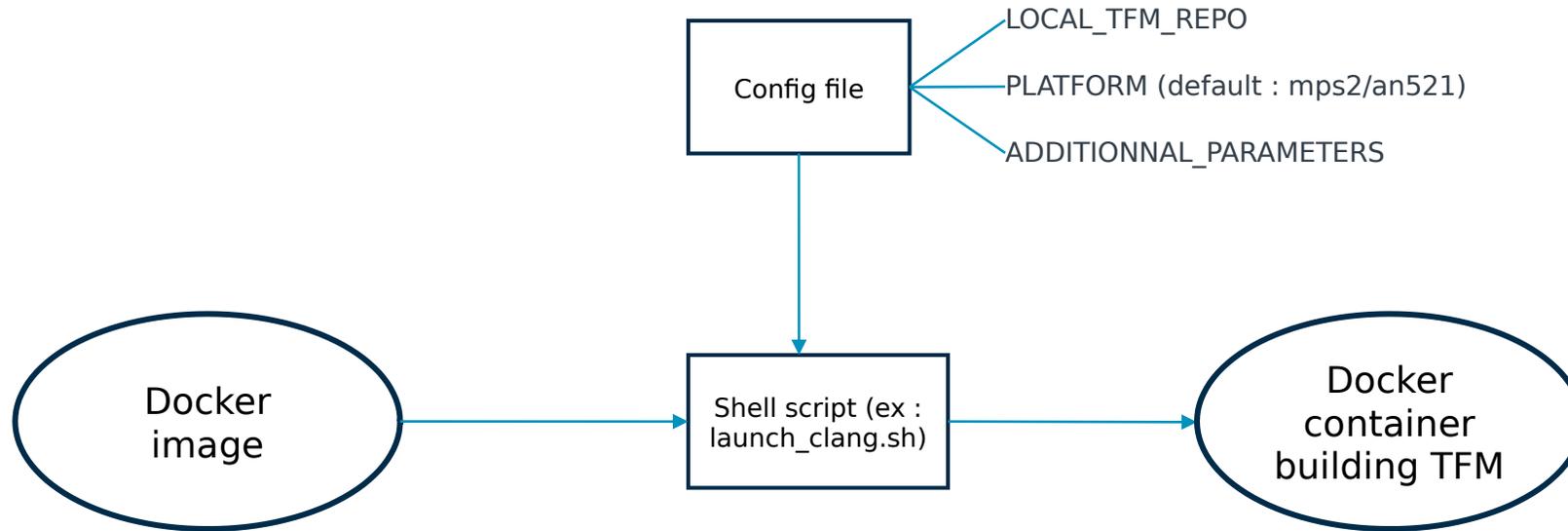
Goals of the docker tool

- Main goal : reduce the barrier to entry for contributing to TFM
 - Simplify the set up of the environment
 - Allow the user to easily create different environments
- Give a common standard environment for replicating bugs
- Facilitate dependencies versions update

Tool presentation : docker images



Tool presentation : launch scripts



Demo

- Works on Linux or Windows (Some extra steps are required to let Windows docker use a Linux container)
- Tool will be in the tf-m-tools repository

arm

Thank You

Danke

Gracias

谢谢

ありがとう

Asante

Merci

감사합니다

धन्यवाद

Kiitos

شكراً

ধন্যবাদ

תודה

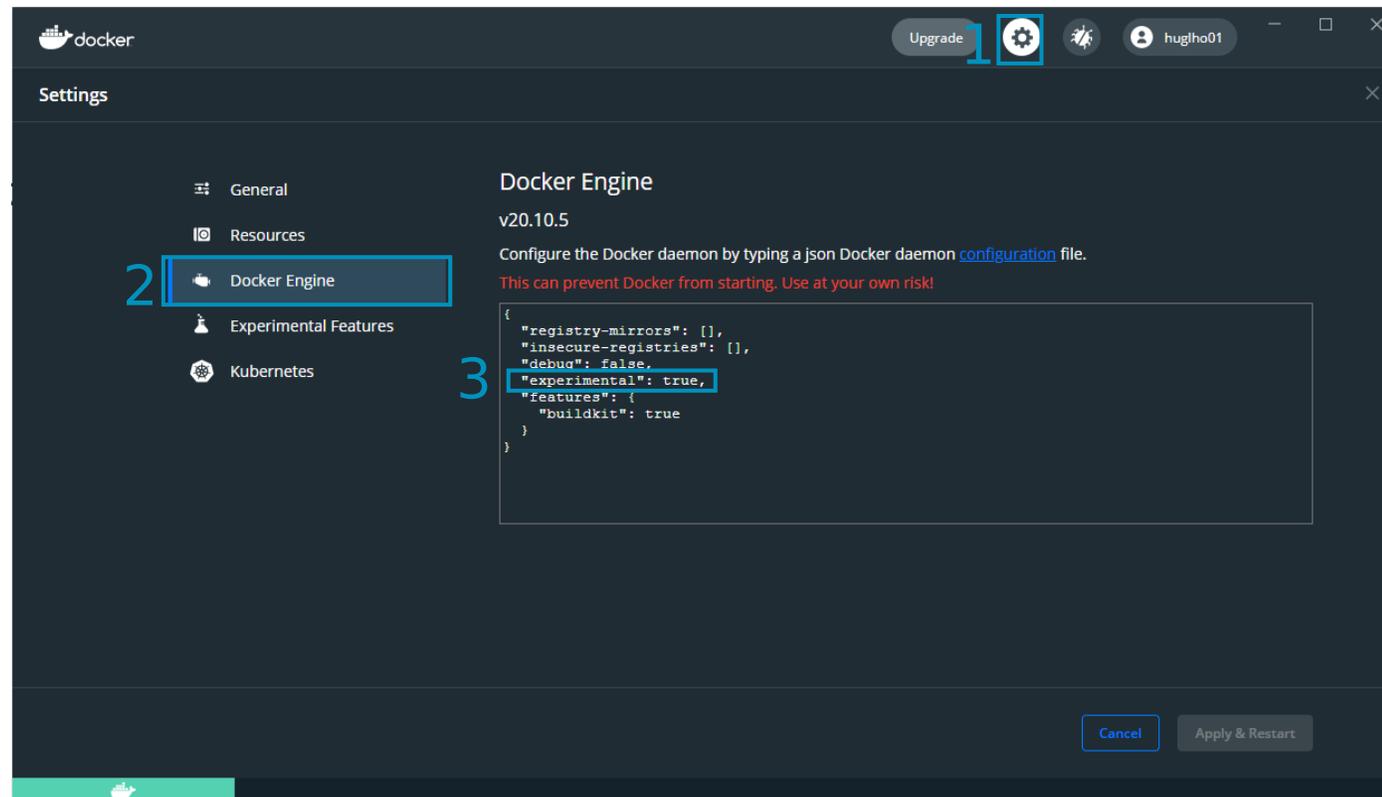
arm

The Arm trademarks featured in this presentation are registered trademarks or trademarks of Arm Limited (or its subsidiaries) in the US and/or elsewhere. All rights reserved. All other marks featured may be trademarks of their respective owners.

www.arm.com/company/policies/trademarks

Docker setup on Windows

1. Install the Docker desktop app and run it
2. Set the “experimental” field to true



Docker setup on Windows

3. Enable the file sharing

