



arm

TF-M

OpenCL

A quick overview and future plans

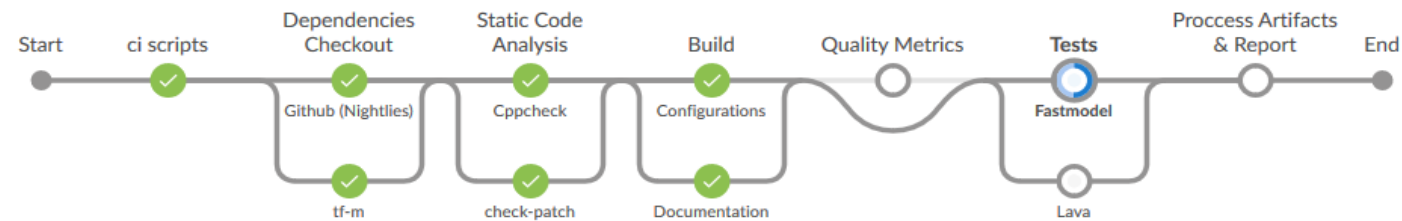
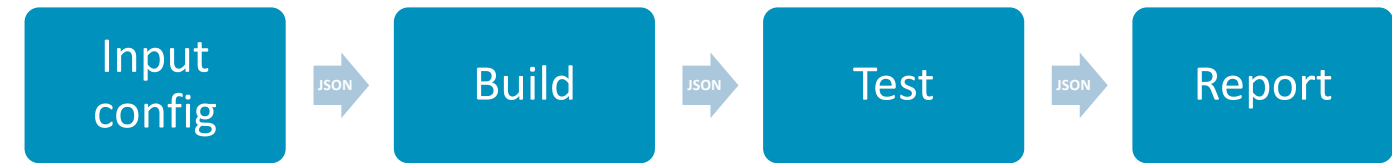
Minos Galanakis

17/10/2019

CI Overview

Core features

- CI scripts designed to operate as a data flow.
- Jenkins unified pipeline, separates code and configuration.
- No information is discarded, every test is fully reproducible



```
▼ build:
  ▼ AN521_GNUARM_ConfigCoreIPCTfmLevel2_Release_NOBL2:
    ► artefacts:      {}
    ► log:            "/home/jenkins/workspace/_evel2_Release_NOBL2.log"
    ► build_cmd:      "cmake -G \"Unix Makefile_uild ./ -- -j 2 install"
    status:          "Success"
```

Roadmap

Deployed features

- Building multiple configurations AN521, AN519, MUSCA_A1, MUCSA_B
- Testing on real hardware using the mainline golden configuration on MPS2 dev boards
- Building documentation (Sphinx and Doxygen)
- Different scope testing (per patch & nightly)
- Version control for dependencies
- Comprehensive report, captured in a key:value data structure, as well as extensive per build/test logs

Planned features

- Model testing
- User requested testing
- CI contribution process/ staging instance
- Extended platform support for real hardware testing
- More configurations/compilers
- Better coverage by static analysis tools
- Dashboard, capture and display of metrics about the build

Discussion

Partner feedback is important

- Contribution strategies
- Script re-usability
- Offline testing
- Creation of job variants
- Scaling concerns

arm

Thank You

Danke

Merci

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Gracias

Kiitos

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