Generating Standalone SDK Tools

MA35D1

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2023/09/26

Introduction

- For third-party developers, standalone SDK tool is a must.
- By distributing standalone SDK tool to independent software vendors, OEM manufacturers need not to disclose proprietary source code to the public.
- Nuvoton provides a SDK generating script to help releasing the SDK tool.

Generating standalone SDK tool in Buildroot

- Change directory to the root of Buildroot ($BR2_DIR)

  $ cd $BR2_DIR

- In the Buildroot directory, clone the repository ‘ma35d1-portal’

  $ until git clone https://github.com/symfund/ma35d1-portal.git ; do echo “retry…” ; done

- Before generating SDK tool, Buildroot must has been correctly configured. That means toolchain options are tailored to meet actual requirements, some mandatory packages (libgpiod, libv4l) are selected in mind.

- To generate the SDK tool, run the script show below

  $ source ma35d1-portal/scripts/make-sdk.sh

Generating standalone SDK tool in Buildroot

- When complete generating SDK tool, the SDK tool (cross compiler installer) is located at ***output/images/aarch64-nuvoton-linux-gnu_sdk-buildroot_installer***
- To install the SDK tool on local computer in which the SDK tool is built or another computer, launch the SDK tool installer show below.

  $ sudo output/images/aarch64-nuvoton-linux-gnu_sdk-buildroot_installer
- By default, the SDK tool is installed in ***/usr/local/aarch64-nuvoton-linux-gnu_sdk-buildroot***
- Before using the SDK tool, open a new terminal and set up the build environment for the new terminal show below

  $ source /usr/local/aarch64-nuvoton-linux-gnu_sdk-buildroot/environment-setup

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NUVOTON

谢谢

謝謝

Děkuji

Bedankt

Thank you

Kiitos

Merci

Danke

Grazie

ありがとう

감사합니다

Dziękujemy

Obrigado

Спасибо

Gracias

Teşekkür ederim

Cảm ơn