

The Nuvoton logo, featuring the tagline "Joy of innovation" in a small, white, sans-serif font above the word "nuvoTon" in a larger, bold, white, sans-serif font. The logo is set against a large red circle. The background of the slide is a photograph of a modern, curved glass skyscraper with a blue-tinted facade, set against a clear blue sky. The building's reflection is visible in the glass panels. The overall design is clean and professional, with a focus on innovation and technology.

Joy of innovation
nuvoTon

Developing Linux with Yocto

MA35D1

江天文

2023/09/19

| Setting up build environment

- Host build machine requires Desktop Ubuntu 20.04 LTS (Focal Fossa)
Browse the below link to fetch the latest version of Ubuntu 20.04
<https://releases.ubuntu.com/focal>
or direct download the ISO format disk image (link maybe broken)
<https://releases.ubuntu.com/focal/Ubuntu-20.04.6-desktop-amd64.iso>
- Do not upgrade OS during the installation

| Setting up build environment

- Make a new folder 'yocto-ma35d1' in a suitable place
- Change directory to 'yocto-ma35d1'
- Clone the GitHub repository 'ma35d1-portal'
\$ until git clone <https://github.com/symfund/ma35d1-portal.git> ; do echo "retry..." ; done
- Modify script file '[ma35d1-portal/scripts/yocto-environment-setup.sh](#)' to meet target project requirements:

Machine	Distro	Recipe
numaker-iot-ma35d16f70	nvt-ma35d1	core-image-minimal
numaker-iot-ma35d16f90		
numaker-som-ma35d16a81	nvt-ma35d1-directfb	nvt-image-qt5
	nvt-ma35d1-directfb	core-image-minimal
	nvt-ma35d1	core-image-minimal

| Setting up build environment

- Run build environment setup script
\$ source ma35d1-portal/scripts/yocto-environment-setup.sh
- After complete build, modify script file 'ma35d1-portal/scripts/yocto-environment-setup.sh'.
 - (1) Enable offline build → **enable_offline_build=yes**
 - (2) Disable yocto update → **update_yocto=no**
- Build another combination of 'machine', 'distro' and 'recipe', just change the script file 'ma35d1-portal/scripts/yocto-environment-setup.sh' and again run the script
\$ source ma35d1-portal/scripts/yocto-environment-setup.sh

Joy of innovation
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