



Yocto Training

Overview :

This 3 days training is intended for developers who want to develop for or build an Embedded Linux system with Yocto.

The course starts with building a first system image with Yocto, flashing and booting it, boot over NFS, writing yocto recipes, modifying the root filesystem, writing a layer, extending the kernel within yocto, customising images and SDK.

During the training, all attendees also receive a specific ARM development board, which they can take with them after the training.

Participants :

Everybody who is responsible for designing and maintaining Embedded Linux Systems.

Knowledge prerequisites :

IT Background and general Linux skills.

Linux Power User or similar experience.

Being able to edit text files on the command line, some Linux C/C++ Programming experience.

Method :

Course/Workshop, classical educations with practical exercises.

Course Flow :

Day 1: Using Yocto

- The system architecture
- The Yocto Project source tree
- Customizing an image
- Building an image
- Upgrade the development board

Day 2: Customizing Yocto

- Recipes syntax
- Writing a recipe
- Development and customisation workflow with BitBake
- Adding packages to the generated image
- Adding custom applications and a new layer

Day 3: Extending and further customizations

- Extending a recipe
- Writing your own machine configuration
- Adding a custom image
- Integrate kernel changes into the build system
- Using the SDK with Eclipse

Courseware :

Course materials provided, and a free ARM-based Embedded Linux board for later experimentations. Currently all students receive a [BeagleBone Black](#) 1Ghz ARM Cortex-A8 based board.

Course Dates & Location:

Please contact us for available dates and locations.

Price :

1.850,- € + VAT per attendee (incl. development board, courseware and lunches during the 3 days).