

Training ELBE build system

Agenda 1 day course

Caveats: This is not an introduction in the development process of Linux for embedded devices. It definitely presumes basic knowledge of Linux and C.

- 📦 What is ELBE (*Embedded Linux Build System*)? And why is ELBE different?
- 📦 Debian and the advantages for Embedded Systems
- 📦 Build your own Root File System with ELBE (theoretical)
- 📦 Hands-On: build your own RFS for a Beaglebone Black board
- 📦 Bootloader and Kernel – how to work with inside of ELBE?
- 📦 Develop your own application with ELBE (simulation)
- 📦 Packaging of your application, build and install it
- 📦 Update procedures with ELBE

Requirement:

Nothing on Hardware; Programming knowledge with Linux and C

Software:

Linutronix provides an USB HDD with an x86 64-bit based Debian system for the host system, a Debian and a Codesourcery toolchain and for the target system an ARM Linux (running in a virtual machine). The HDD is a gift for the participant and can be taken home for further studies.

Number of participants:

Due to our experience we know that a single instructor could coach a maximum of 6 persons. Our courses are therefore limited to this number of individuals.