Yaeld

Tailor-made Linux for your embedded project

The GNU/Linux operating system is an attractive choice for embedded systems. Its flexibility and the numerous APIs make thats you will always find a suitable ecosystem for your target application. Nevertheless customizing linux to fit your exact needs is a hard task, requires a lot of knowledge in many domains and a good understanding of the overall system

Yaeld let you build your own and very specific linux distribution for your embedded project. Yaeld comes with all the necessary tools for cross development. It supports numerous embedded boards, and provides thousands of applications. Each of them is compiled and optimized for a specific class of processor.

Building its own linux distribution becomes an easy task with Yaeld. A graphical tool let you choose the applications and libraries you wish to embed: Yaeld takes care to handle package dependencies. You can easily manage locale settings, groups and users, or the network configuration for example. Finally, Yaeld will generate the filesystems for your device.

Non linux expert will create an optimized linux filesystem for their project in a few clicks. Developers can focus their efforts on the target applicaton. Yaeld let you have the sureness to fully exploit all the capacities of your hardware.

www.yaeld.com

Distribution Features

Linux Distribution Builder
- Intuitive Graphical Tool
- Board Setup
- Target package selection
- Target filesystems creation (nfs, ext2/3/4, squashfs...)

Kernel
- Linux header API 2.6.23
- Board Support Package includes source and pre-built board specific kernel (> 2.6.29)
- Easy use of custom kernel version
- Custom kernel drivers development

Architectures
- Arm
- PowerPC 32 and 64-bits
- x86 32 and 64-bits
- Other architectures on demand

Pre-Compiled Binaries
- Per-processor optimization

Applications
- X.org 7.5, Mesa 7.6
- Gnome 2.30, Qt / Qt-Embedded 4.6, VLC, Mplayer
- Python 3.0, Ruby, Perl 5.10
- OpenSSH, OpenVPN

Packages
- Extendable Package Database
- Template root filesystems
- Meta-packages

Application cross development

GNU Toolchain
- GCC 4.4
- C, C++, Java languages

Debug
- GNU debugger
- Memory usage check
- Profiling

Yaeld Development Environment
- Easy cross compilation
- Debug and devel packages

Support

Online support
- Target and Host support
- Request support from graphical tool

Requirements

Host
- Linux operating system
- Kernel >= 2.6
- Qt >= 4.5
- 10 GB of hard disk space for each processor class
- 5 GB per project

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Yaeld will be available in the second half of 2010.

For more informations, please contact us.

info@yaeld.fr

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