Emdebian Update

Root filesystems, G Palmtop Environment and Touchscreen support.

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- Full control of dependencies on small systems (some modified dependencies). Remove perl and remove or reimplement required perl scripts. Remove documentation.
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- Generating customised root filesystems from binary packages.
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- Current focus is on GPE, with more developer time any other environment could be made available.
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- Example full GPE GUI filesystem 25Mb compressed, about 75Mb installed. (Work is ongoing to drop below 64Mb installed.)
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  # dpkg –configure -a
  
  • Example: (balloon3)
  boot flash (bootloader support on RO partition)
  mount USB stick and the root partition.
  Copy over the kernel image.
  Untar the root filesystem directly onto the root partition
  chroot into root filesystem, dpkg –configure -a
  untar kernel modules
  reboot
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• Library transitions.
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- Checkpointing support in YAFFS
Using emdebian-tools

$ sudo apt-get install emdebian-tools subversion
$ emsetup -a arm -v -s
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$ emsource libgpewidget1
$ cd ~/work/trunk/l/libgpewidget/trunk/libgpewidget-0.115/
$ emdebuild -a arm -v
$ emrecent

or:
$ embug -- prepare
$ cd ../../branches/embugG2342/
$ meld libgpewidget.debian/debian/rules
libgpewidget.emdebian/debian/rules
$ reportbug -M -b -i ../crossbuild.diff libgpewidget
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G Palmtop Environment

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- GPE provides a calendar, addressbook, todo, expenses, configuration tools, games, console, calculator, image viewer and text editor.
- Support for stylus input and touchscreen control on suitable devices.
- Bluetooth and audio support included if suitable hardware is present.
http://www.toby-churchill.com/
http://www.emdebian.org/
Many individuals: Wookey, Hector Oron, Neil Williams, Jonathan McDowell, Peter De Schrijver (p2), Nikita Y.Youshchenko, Phil Hands, Simon Richter, Phillipe de Swert, Raphael Bossek, Allen Curtis and anyone I might have forgotten.