



Nokia N900

Alain Knaff

The linux
command line

More
additional
repositories

Keyboard
Customization

Synchronization

Compiling
stuff in
scratchbox

USB Host
mode

Gimmicks

Fun

Conclusion

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Alain Knaff

Lilux, 2010



Summary

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- The Linux command line
- Additional repositories
- Synchronization
- Keyboard customization
- Compiling stuff in scratchbox
- USB Host mode
- Gimmicks
- Fun and games
- Conclusion



Linux command line

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- Terminal already available by default
- Root access:
 - Described in http://wiki.maemo.org/Root_access
 - Add application catalog extras to application manager.
 - `gainroot` command in package `sudo`



More additional repositories

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- **Extras:** `http://wiki.maemo.org/Extras`
 - deb `http://repository.maemo.org/extras/fremantle free non-free`
 - deb `http://repository.maemo.org/extras-testing/fremantle free non-free`
 - deb `http://repository.maemo.org/extras-devel/fremantle free non-free`
- **SDK:** deb `http://repository.maemo.org/fremantle/sdk free non-free`



Keyboard Customization

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- Hardware keyboard:

- Edit

- `/usr/share/X11/xkb/symbols/nokia_vndr/rx-51`

- `setxkmap fr`

- Xterm toolbar:

- `gconftool-2 -s`

- `/apps/osso/xterm/key_labels -t list`
`-list-type=string "[Tab,Esc,PgUp,PgDn,]"`

- `gconftool-2 -s /apps/osso/xterm/keys -t`
`list -list-type=string`

- `"[Tab,Escape,Page_Up,Page_Down,bar]"`



Synchronization

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- `syncevolution` on both ends
- Works with thunderbird too, if same repositories defined in evolution
- Start evolution once, to point it to same repositories as thunderbird uses (caldav, ics file)
- set up syncevolution on server (PC)
- set up syncevolution on client (N900)



Compiling stuff in scratchbox

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- Compile in scratchbox
- Test it locally in scratchbox
- Download it to phone, test it there
- Also possible to compile stuff directly on phone



USB Host mode

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- `apt-get install kernel-power`
- `apt-get install hostmode-gui`
- Female USB-A to female USB-A connector (coupler)
- Powered Hub (for devices needing more energy than N900 can supply)
- Speed must be selected manually: don't be too optimistic



“Hacker” tools

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- `iodine`: tunnel IP over DNS to take advantage of “captive portal” Wifi access points
- `nmap`
- `metasploit`



Fun and Games

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- PrBoom : Doom Clone
- Angry Birds
- Lots of silly apps in “Ovi” app-store



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- This presentation will be placed at the following address: <http://www.iii.ltu/Presentations/NokiaN900/>