

ABout Time Linux

Welcome to the wonderful world of ABout Time Linux

(be seated my little gnomes)

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AbTLinux ConfigManager

Agenda

- Introduction AbTLinux
- A few project ground rules
- The 'abt' package manager (tool)
- Configuration(s) in Linux
- ConfigManager project



Introduction AbTLinux

- History
 - 2001 - 2004 : first there was SourceMage
 - 2004 – now : it's about time!
- What was the problem? (RE'ing!)
- Current status
 - abt – req., design, started implementation
 - depEngine – req.



AbTLinux and you!

- Get to know:
 - <http://abtlinux.org>
 - <http://wiki.abtlinux.org>
- Become members
- Contact me for email (<name>@abtlinux.org)
 - abt – req., design, started implementation
 - depEngine – req.



Project ground rules (I)

- English only please!
- Docs in LaTeX (template online).
- Communication:
 - email => erics@abtlinux.org
 - irc => [#abtlinux](http://irc.freenode.net)
 - chat => erics@jabber.org or [eschabell](#) (gtalk, msn)
 - forum => see ConfigManager thread



Project ground rules (II)

- Eventual best result implemented.
- Free SW project – GPL / FDL.
- I am the Project Lead:
 - keep in mind, you have been hired to provide a sub-project solution
 - approach me with concise problems
 - time management, plan meetings ahead



The 'abt' tool

- The package manager!
- Some terms:
 - packages
 - dependencies
 - sources
 - configure, make, make install
 - other variations (python, ruby, etc)



Packages

- What do we do?
 - we install
 - we remove
 - we rebuild
 - we reconfigure
 - we upgrade
 - we downgrade
 - we repair



Package configurations

- What kinds of configurations?
 - everything is in a file
 - /etc/*
 - /home/<user>/.*
 - somewhere special (./configure --prefix=????)
- We need to provide mechanism for management!



ConfigManager basics

- What need to be done?
 - install new configuration
 - manage upgrade of configuration
 - merge two configurations
 - ensure never losing an existing configuration
 - backing up configurations
 - edit configurations
 - more?????



Motivation?

- Not just a grade:
 - we are depending on you!
 - we will implement the best solution!
 - your name remains on the solution!
 - you will go down in history!
 - you might never use M\$ again (you have been warned)!



About Time Linux

Where it is
about time
that
someone did it the
right way!

