

# 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](mailto:erics@abtlinux.org)
  - irc => [irc.freenode.net #abtlinux](irc://irc.freenode.net/#abtlinux)
  - chat => [erics@jabber.org](http://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!

