

Linux: An Introduction

Packages, Managing



© Anand Vaidya
vaidya.anand@gmail.com
Version: 2.4
Last Updated: 09-Jan-2009

Why PM?

Software for linux is distributed in small modular packages

eg: apache2, apache2-dev, libapr, libapache2-mod-ruby etc.

- Installation is easy
- Network is less loaded
- Install and maintain just what you want
-
- Which means you have 18000+ packages to know about, search and install

Why PM

Package management systems maintain a local database of :

- Installed software, versions
- Dependencies between packages
- Provide a easy to use tool to install, remove and query the packages and the files contained
- Provide scripts to ease configuration

Package Mgmt Cmds

- **Debian/Ubuntu/mepis etc.**

apt-cache search STRING

apt-cache show PKGNAME

apt-get install PKGNAME

apt-get remove PKGNAME

export

`http_proxy`=http://proxy.example.com:808

0

apt-get update && apt-get upgrade

Notice the case for `http_proxy`

PM related files

- ◆ `/etc/apt/sources.list`
- ◆ `/var/cache/apt/*`

- ◆ `/etc/yum.conf`, `/etc/yum.repos.d/*`,
`/etc/yum.conf.d/*`
- ◆ `/var/cache/yum/*`

Package Mgmt Cmds

- **CentOS/RHEL/Fedora**

yum search STRING

yum show PKGNAME

yum install PKGNAME

yum remove PKGNAME

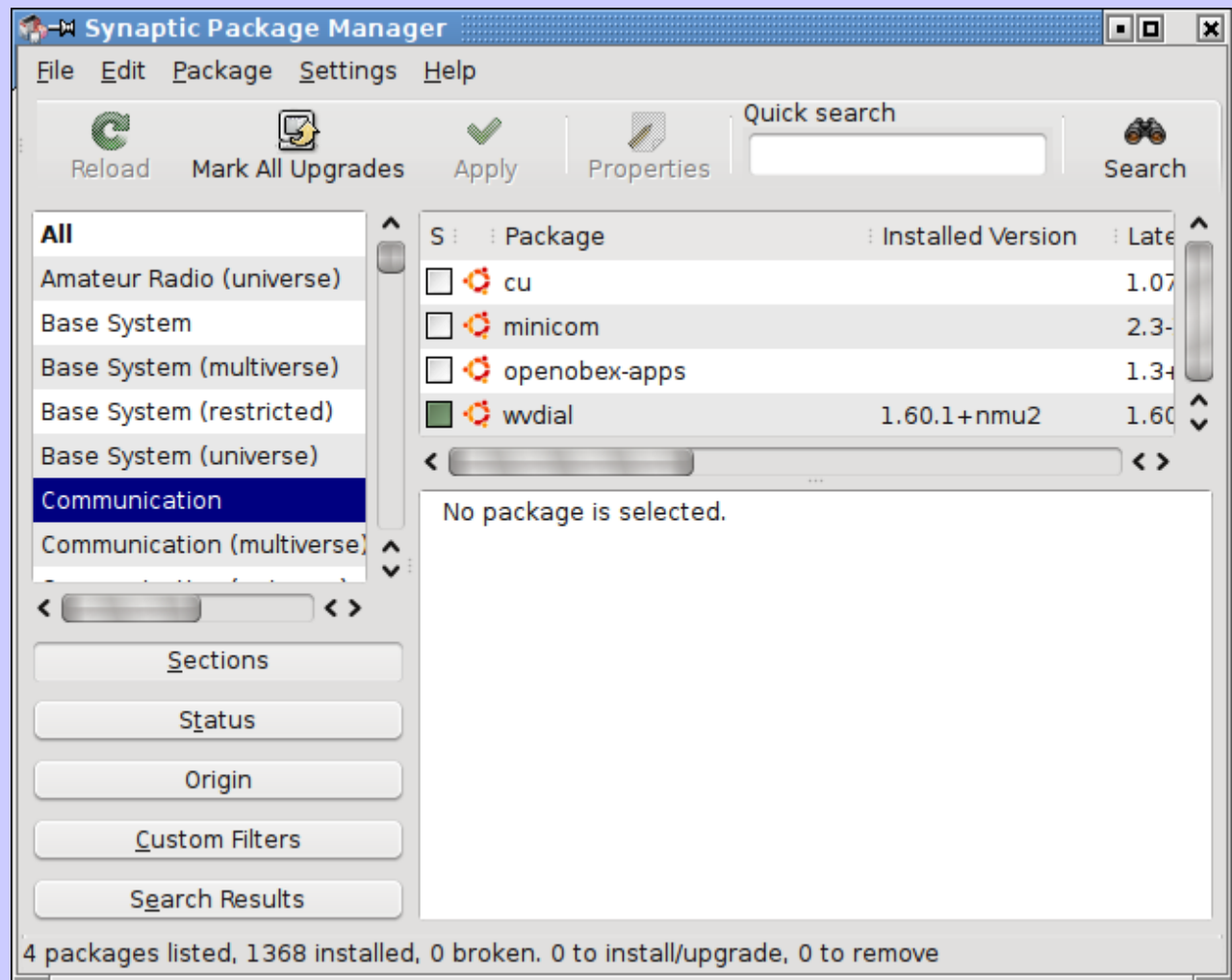
export **HTTP_PROXY**=http://proxy.com:8080

yum update

Notice the case for http_proxy

GUI for PM

- Use system-config-packages on CentOS
- Use synaptic or adept on Debian/Ubuntu systems



Thanks!

Copying or Redistributing

© Copyright Anand Vaidya
email: vaidya.anand@gmail.com

This presentation can be redistributed as follows:

No commercial re-distribution: eg, as part of a for-profit CDROM. Seek my permission first.

Must attribute the document creator.

Share alike: If you use this document and enhance it or modify, share the modifications or the modified document, which means, I apply:

<http://creativecommons.org/licenses/by-nc-sa/3.0/>
license



Thanks!

Get these slides at:

Thanks for your time. If you have any feedback, corrections or questions please contact me: Anand Vaidya, vaidya.anand@gmail.com

This document was created with OpenOffice 2.x on kubuntu Linux

