

YUM, RPM, WarpIN, & Arca Noae Package Manager

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Maintenance Issues



Why RPM?

- Dependency handling
- Modern, cross-platform packaging method
- Essentially, “the way forward”



Why YUM?

- Repository handling (local or remote caches)
- Handles dependency issues for RPM in a semi-automated way
- Essentially, “the way forward”



Why ANPM?

- Many (most?) OS/2 users don't want OS/2 to feel like Linux
- Native, intuitive OS/2 GUI
- Remembering the proper syntax for YUM and RPM can be daunting
- YUM will never handle WarpIN archives
- Essentially, “the way forward” for many OS/2 users



YUM/RPM, ANPM, Blue Lion

- Integral to Blue Lion installation
- Updates to many components will only be available as RPMs
- Semi-automated updating possible with YUM or ANPM
- In short, the only practical way to maintain Blue Lion



Current Features of ANPM

Installing New Packages

- Search for package by name or included file
- Quick install to copy/paste list of dependencies
- Easily browse list of available packages



Removing Installed Packages

- Search for package by name or included file
- Simple, one-click selection & easy removal
- Package may be re-installed just as easily



Updating Installed Packages

- Easily see what installed packages have available updates
- Update one, several, or all
- Rolling back is often as easy as selecting a specific version to install (downgrade)



Repository Management

- Add/remove/edit Netlabs stable and/or experimental repositories
- Add/remove/edit Arca Noae stable and/or experimental repositories
- Add/remove Arca Noae subscription repository (authenticated)
- Repo credentials stored securely
- Repo credentials may not be copied between machines



Upcoming Features

WarpIN Repositories

- A WPI may (usually does) contain one or more archives
- Latest WarpIN (wic) supports creation of repo metadata
- Add/remove/edit repositories of WarpIN archives
- Handle authenticated WarpIN repositories



WarpIN Archives

- **Install/remove/update WarpIN archives from the same interface as managing RPM packages**
- **See package conflicts before they occur (if an older WarpIN archive of a group of dlls is already installed, uninstall it and then install the newer package from RPM)**



Conflict Handling

- Better handling of existing, outdated, or conflicting dlls (libc, gcc, etc.)
- Switching from WPI to RPM packages



Q & A

