Slackware package management

makepgk/slackbuilds/sbopkg

Quick facts about Slackware

- Oldest linux distribution that continues to get updates
- Most "unix-like"
- Simple
- Very stable
- Most of the packages are unmodified (no change to upstream sources)

Package Management In Slackware

Easy way:
Built Packages

Built packages

Install:

1. Download the package
2. Install-it via installpkg

Upgrade:

1. Download the new package
2. Run upgradepkg

➤ wget https://mirrors.slackware.com/slackware/slackware64-current/extra/mplayerplug-in/mplayerplug-in-3.55-x86_64-1.txz
➤ sudo installpkg mplayerplug-in-3.55-x86_64-1.txz
Verifying package mplayerplug-in-3.55-x86_64-1.txz.
Installing package mplayerplug-in-3.55-x86_64-1.txz:
PACKAGE DESCRIPTION:
mplayerplug-in (embedded video player for mozilla based browsers)
#
mplayerplug-in is a browser plugin to allow playing embedded
movies on web pages, using MPlayer.
Media is played embedded in the page or in a separate window
depending on how the author of the webpage intended the media to
be displayed.
#
mplayerplug-in homepage: http://mplayerplug-in.sf.net/
#
Executing install script for mplayerplug-in-3.55-x86_64-1.txz.
Package mplayerplug-in-3.55-x86_64-1.txz installed.

Slackware built-package Providers:

- http://packages.slackware.com/
- http://ponce.cc/slackware/
- https://slackonly.com/

RPM to slackpkg

RPM (REDHAT PACKAGES) TO SLACKPKG (Slackware Packages)

● Not fail proof!!

Example:

```
➤ rpm2targz cairo-1.15.8-1.fc28.aarch64.rpm
➤ ls
cairo-1.15.8-1.fc28.aarch64.rpm  cairo-1.15.8-1.fc28.aarch64.tar.gz
➤ mv cairo-1.15.8-1.fc28.aarch64.tar.gz cairo-1.15.8-1.fc28.aarch64.tgz
➤ sudo installpkg cairo-1.15.8-1.fc28.aarch64.tgz
Verifying package cairo-1.15.8-1.fc28.aarch64.tgz.
Installing package cairo-1.15.8-1.fc28.aarch64.tgz:
PACKAGE DESCRIPTION:
Package cairo-1.15.8-1.fc28.aarch64.tgz installed.
```

HARD WAY:
Building Your own package

Basic structure of a slackware package

```
./
usr/
usr/bin/
usr/bin/makehejaz
usr/doc/
usr/doc/makehejaz-1.0/
usr/doc/makehejaz-1.0/COPYING
usr/doc/makehejaz-1.0/README
usr/man/
usr/man/man1
usr/man/man1/makehejaz.1.gz
install/
install/slack-desc
install/doinst.sh
```

SLACKPKG

Slackware builtin package manager uses compressed tarballs for packages.

Package management can be achieved with the following:

- installpkg
- makepkg
- removepkg
- upgradepkg
- explodepkg
- rmp2targz

Building a slackware package

Check the dependencies

Prepare/compile/install the package to a temporary dir *

Strip the unnecessary bins and libs

Add the description

Use makepkg to build the package

Use installpkg to install it.

*If you are building from the source

Slackbuilds

"SlackBuild scripts are simple shell scripts which can automate the compiling and packaging of a program from source."

```
* ./configure && make && make install
* compile and use makepkg by hand
* write a SlackBuild script
```

WRITING A
SLACKBUILD
SCRIPT

THANK YOU !!

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