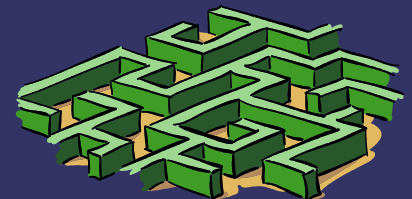


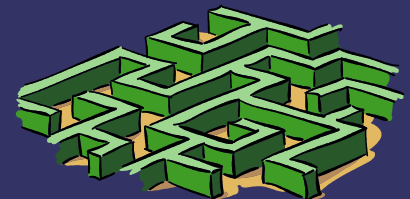
CPAN::Mini and Pod::Webserver

Raleigh Perl Mongers



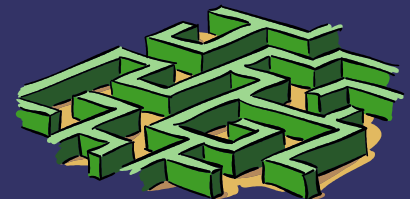
perl development without a rope

- ➔ Continue coding without internet access
- ➔ Install CPAN modules
- ➔ Retain access to documentation



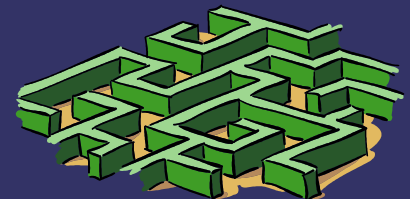
Origins

- ➔ This module came from an article written by Randal Schwartz
<http://www.stonehenge.com/merlyn/LinuxMag/col42.html>



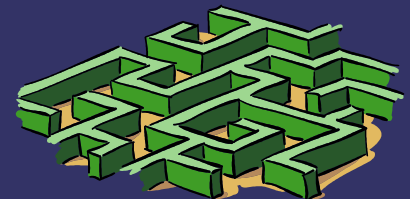
Requires Preparation

- ⇒ These will only save you if you've done your homework; this homework requires a connection.
- ⇒ First install these modules
- ⇒ Then use these modules to mirror CPAN
- ⇒ May place your mirror onto a cdrom for your laptop bag



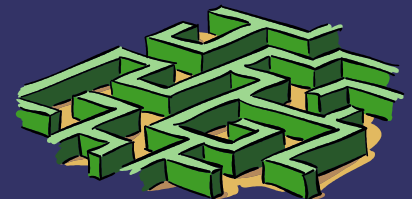
the quick and the slow

- ➔ As root, perl -MCPAN -e "install CPAN::Mini"
- ➔ Choose a mirror from <http://www.cpan.org/MIRRORED.BY>
- ➔ I chose <ftp://ftp.ncsu.edu/pub/mirror/CPAN/>
- ➔ Log out of root.
- ➔ minicpan \
-l /home/boaks/mirrors/minicpan \
-r <ftp://ftp.ncsu.edu/pub/mirror/CPAN/>



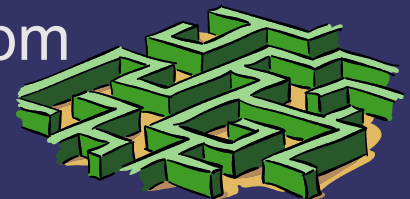
CPAN::Mini

- ⇒ A few minutes to install the module
- ⇒ 166 minutes to create the local mirror
- ⇒ 470M disk space
- ⇒ 9441 *.tar.gz files



Using your mirror

- ➔ `cpan> o conf urllist`
`urllist`
`ftp://ftp.ncsu.edu/pub/mirror/CPAN/`
- ➔ `cpan> o conf urllist unshift`
`file:///home/boaks/mirrors/minicpan`
- ➔ `cpan> o conf urllist`
`urllist`
`file:///home/boaks/mirrors/minicpan`
`ftp://ftp.ncsu.edu/pub/mirror/CPAN/`
- ➔ `cpan> o conf commit`
`commit: wrote /usr/lib/perl5/5.8.5/CPAN/Config.pm`



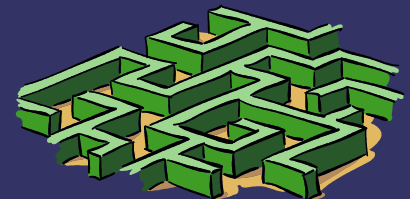
CPAN::Mini::Phalanx100

- ➔ A few minutes to install the module
- ➔ A few minutes to create the local mirror
- ➔ 152 *.tar.gz files
- ➔ 22M disk space
- ➔ Compared to 470M for full CPAN::Mini
- ➔ Edit your CPAN Config.pm to point to this mirror instead of the cpanmini mirror



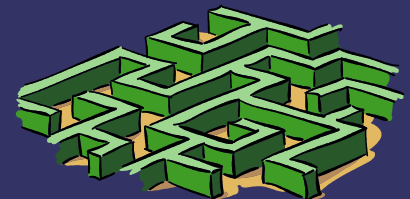
Very similar to non-Phalanx

- ➔ minicpan-phalanx \
-l /home/boaks/mirrors/minicpan-phalanx \
-r ftp://ftp.ncsu.edu/pub/mirror/CPAN/



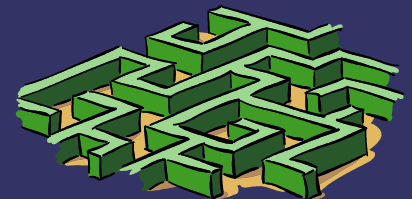
Phalanx100

- ➔ `Bundle::Phalanx100` to install all the Phalanx100 modules
- ➔ A list of the 100 is at <http://qa.perl.org/phalanx/100/>



Next Steps

- ➔ Explore CPAN::Mini::Inject to add your own modules to the local mirror.
- ➔ You'll be able to update the unadulterated modules and keep your local modules sync'ed in the mirror.



Pod::Webserver

- ➔ minimal web server to serve local Perl documentation
- ➔ 'podwebserver' command starts local webserver
- ➔ Browse to <http://localhost:8020/>
- ➔ Presents index of modules
- ➔ Don't forget iptables can get in your way

