

Gentoo cheat sheet

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[Jonas Stein](#) maintains the source since 2013 on [github](#) feel free to contact him for contributions. Contributors: Randy Andy, Jean-Paul. A `#` as first character indicates a command which is usually run in a root shell.

Abbreviations

`cp` stands for category + program name like in `app-editors/vim`

`cpv` stands for category + program name + version number like in `app-editors/vim-7.3.409`

Portage package management

`emerge --sync` download latest package information from the mirror

`eix-sync` sync the overlay trees **and** run `emerge --sync` in one command

`emerge -pv cp` verbose simulation of package installation

`emerge =cpv` install special version of a package

`emerge -C cp` remove package

`emerge -av --depclean` remove no longer needed packages

`emerge -uDN world` upgrade the whole system

\$ `equery b "which dig"` tells which installed package provides dig

`eix cp` documentation on a package

`porthole` a gui for emerge

`dispatch-conf` manage config changes after emerge

`revdep-rebuild` rebuilds packages that depend on an recently updated library

USE flags

Typical administration

\$ `sudo -s` used by a user from sudoers list to get a root shell

`rc-update add sshd default` Start the ssh daemon in the default runlevel

`rc-service xdm start` Start the windowmanager now

`rc-status sshd` request if sshd is running or not

Important files

`/etc/portage/make.conf` global settings (USE flags, compiler options)

`/etc/portage/package.use` USE flags of individual packages

`/etc/portage/package.keywords` keywords of individual packages (like `~ amd86` for 64bit-testing)

`/etc/portage/package.license` accepted licenses

`/var/lib/portage/world` list of explicitly installed package atoms