

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.

Portage package management

```
# emerge --sync download latest package information from the mirror
# emerge -pv packagename verbose simulation of package installation
# emerge -C packagename 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 packagename documentation on a package
# porthole a gui for emerge
# dispatch-conf manage config changes after emerge
# eix-sync sync the portage/overlay trees
# 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
```