: [Portage](#)

Portage

Portage - the heart of Gentoo
emerge - configuration - ebuild repository - dispatch-conf
world file - USE flags - ebuilds - profiles
upgrades - using testing packages - binary packages
tools - gentoolkit - eselect
Portage FAQ - cheat sheet - FAQ

Portage( ) Gentoo( ) .

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emerge .

emerge FAQ FAQ
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emerge, emaint dispatch-conf
. .

man portage .
emerge .

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!

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.   :

```
* * An update to portage is available. It is _highly_ recommended
* that you update portage now, before any other packages are updated.

* To update portage, run 'emerge --oneshot sys-apps/portage' now.
```

                        (   ). sys-
apps/portage   **-oneshot**   :

```
root #emerge --ask --oneshot sys-apps/portage
```

                            User:Sam/Portage_help/Upgrading_Portage
    .

                    make.conf   ,   /etc/portage
                .
                                              man make.conf   .
usr/share/portage/config/make.globals
        .   /etc/portage/make.conf
    .

                                      .

                    man make.conf   .
                .
                            :

```
user $emerge --info --verbose
```

> 💡 /etc/portage/package.env   .

Ebduil

ebuild   :

- repos.gentoo.org -   ,
  .
- GURU -
  .
- gpo.zugaina.org -

https://wiki.gentoo.org/wiki/Ebuild_repository#Repository_management
    .

          emerge –search   **eix**   ebuild   .

> ⚠️   ,   , GURU
>   .
>   .

                                                                                        .

                                        .

> 💡   emerge, emaint, dispatch-conf   .

archive-conf

archive-conf   dispatch-conf   .
                                        :

```
root #archive-conf
Usage: archive-conf /CONFIG/FILE [/CONFIG/FILE...]
```

dispatch-conf

dispatch-conf . dispatch-conf
.

ebuild

ebuild .

emerge .

ebuild ebuild .

egencache

egencache ebuild .
egencache .

emaint

.

emaint .
man 1 emaint .

> ℹ️ **emerge –sync** emaint .

```
user $ emaint -help
     :      : emaint [    ]

emaint                                                        .

                   emaint(1)                                  .

     :
  all                                                 .
  binhost                                                    .
  cleanconfmem                                               .
  cleanresume     emerge --resume                     .
  logs            PORTAGE_LOGDIR                            .
  merges                                           .
  movebin                                                   .
```

```
  moveinst
 .
  sync            repos.conf                                    .
  world           world                                   .

        :
  -h, --help                                          .
  -c, --check                   (        module            )
  -f, --fix                   (         module          )
  --version                                        .
  -C, --clean          7                              (cleanlogs    )        : -
t, -p
  -t NUM, --time NUM    (cleanlogs     ): -t, --time
     .
  -p, --pretend        (cleanlogs     ): -p, --pretend               .
  -p, --purge                                     .
              :                                                        .
  -y, --yes            (merges submodule    ):
     .
  -r REPO, --repo REPO  (sync module    ): -r, --repo
     .
  -A, --allrepos        (sync module    ): -A, --allrepos sync-url
     .
  -a, --auto            (sync module    ): -a, --auto
           .
  --sync-submodule {glsa,news,profiles}
                      (sync module   ):                     .
```

emerge

[emerge](   )
        .

emerge-websync

                                   .   .

```
root #emerge-webrsync -h
    : /usr/bin/emerge-webrsync [      ]

     :
  --revert=yyyymmdd            (yyyymmdd)
  -k, --keep               DISTDIR      (          )
  -q, --quiet
  -v, --verbose
  -x, --debug
  -h, --help
```

etc/portage/repos.conf   sync-type   webrsync   eix-sync   emerge-
webrsync   .

emirrordist

                              .

```
root #emirrordist -h
     : emirrordist [    ] <     >

emirrordist -


          :
  -h, --help                                             .


   :
  --version
  --mirror                                       dist                    .


          :
  --dry-run                                                        (
    --verbose      )
  --verbose, -v                    stderr                     (
              )
  --ignore-defauilt-opts         EMIRRORDIST_DEFAULT_OPTS
     .
  --distfiles DIR                              distfiles (    )
  --jobs JOBS, -j JOBS
  --load-average LOAD, -l LOAD
  --tries TRIES                               , O                    . (
    1O)
  --repo REPO
  --config-root                                 DIR
  --repositories-configuration REPOSITORIES_CONFIGURATION
                               (repos.conf     )
  --strict-manifests <y|n>         "       " FEATURES                 .
  --failure-log FILE
  --success-log FILE                     ,

  --scheduled-deletion-log FILE        ,

  --delete                                      dist                    .
  --deletion-db FILE                                                    ,

  --deletion-delay SECONDS                      (       )
  --temp-dir                                          DIR
  --mirror-overrides FILE
  --mirror-skip MIRROR_SKIP                               .
  --restrict-mirror-exemptions RESTRICT_MIRROR_EXEMPTIONS
                                      . RESTRICT="mirror"           .
  --verify-existing-digest                          distfiles
```

```
     .
--distfiles-local DIR          distfiles-local
--distfiles-db FILE            Recycle dir

--recycle-dir DIR                --delete

--recycle-db FILEdist FILE-db  Recycle dir

--recycle-deletion-delay SECONDS
                                                        (
60  )
--fetch-log-dir DIR
--whitelist-from FILE
  .
                        ,              , #
```

man emirrordist   .

env-update

                        .

```
root # env-update -h
     : env-update [--no-ldconfig]

man 1 env-update                    .
```

man env-update   .
            .

fixpackages

                        .

```
root # fixpackages -h
     : fixpackages [-h]

fixpackages                   ,
        .

      :
 -h, --help                        .
```

man fixpackages   .

regenworld

                                    .

(/var/lib/portage/world)   .

```
root # regenworld -h
```
                                                    .
            --help   .
            (/var/lib/portage/world)   .

portageq

                .portageq   .

quickpkg

                            -   .

```
     $quickpkg --help
    : quickpkg [    ] <          atoms                              >

         :
  -h, --help                                                                    .
  --umask                                                    UMASK              (
  0077)
  --ignore-default-opts                        QUICKPKG_DEFAULT_OPTS
         .
  --include-config <y|n>                   CONFIG_PROTECT
(                    ,                   'n').
  --include-unmodified-config <y|n>                                 CONFIG_PROTECT
              .
                         (                                    ,              'n')
```

repoman

repoman   .   2.3.0   app-
portage/repoman   .   repoman   .

    dev-util/pkgcheck   dev-util/pkgdev
  .

glsa-check

, [GLSA](#) ::gentoo ebuild
.

glsa-check [GLSA](#) . GLSA ,
GLSA .

man glsa-check **glsa-check –help** :

```
user $glsa-check --help
    : glsa-check <   > [glsa-id | all | new | affected]

        :
 -h, --help                           .
 -v, --version     glsa-check              .
 -q, --quiet                             .
 -v, --verbose                      .
 -n, --ncolor                        .
 -e, --emergelike                    (       )
 -c, --cve                    CVE ID
 -r, --reverse     GLSA                  .

  :
 -l, --list                 GLSA
     .
 -d, --dump        GLSA                        .
 --print           --dump               .
 -t, --test                   GLSA                    GLSA ID
    .
 -p, --pretend                                .
 -f, --fix         (     ) GLSA
.        (                    )               .
 -i, --inject          GLSA( )   glsa_injected          .
 -m, --mail                   GLSA                  .

glsa-list              GLSA ID, GLSA                    'all'
'affected'            .
```

(   )

(   )   .[1]

```
user $ cat /var/db/repos/gentoo/metadata/timestamp.chk
```

?   .

                                ,   ,
                                              .
            ,   ,
                                                                              .

                                                                    .
                    .

2019-04-29[2]   v2.3.66[3]   *portdir, distdir, repo_name, repo_basedir*
                        .

            bug #662982   .

2019-04-29

```
repo_basedir="/usr"
repo_name="portage"
distdir="/usr/portage/distfiles"
portdir="/usr/portage"
target_distdir="/usr/portage/distfiles"
target_pkgdir="/usr/portage/packages"
```


2019-04-29

```
repo_basedir="/var/db/repos"
repo_name="gentoo"
distdir="/var/cache/distfiles"
portdir="/var/db/repos/gentoo"
target_distdir="/var/cache/distfiles"
target_pkgdir="/var/cache/binpkgs"
```

- portage -   .
- make.conf -   ,
                                             .

/etc/portage/color.map -   .   -
                      /   (Cygwin
                        , Termux   ) .

[1)]
.bashrc
[2)]
https://gitweb.gentoo.org/proj/portage.git/tag/?h=portage-2.3.66
[3)]
https://gitweb.gentoo.org/proj/catalyst.git/commit/?id=91eb3317ee581f7d1eeacc68ebe88de5a1cdfd1a

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