

NAME

analyze – Gentoo Installed Package Analysis Tool

SYNOPSIS

analyze [*global-options*] **module** [*local-options*] **TARGET**

DESCRIPTION

Analyze is a collection of modules for analyzing the state of installed Gentoo packages for USE flags or keywords used for installation, and their current masking status. It can also optionally (re)generate new `/etc/portage/package.*` files.

CAUTION: This is beta software and is not yet feature complete. Some features, options may change in the future. Any files that it generates are saved to your home directory and will not harm your system without effort on your part. It also does not need to be run as root.

GLOBAL OPTIONS

-h, --help

Output a help message.

-q, --quiet

Be less verbose where possible. In some modules, this option can increase the output speed.

-C, --no-color

Do not colorize output.

-N, --no-pipe

Turn off automatic pipe detection. Use this option if you do not want **analyze** to detect if the output is being directed to the screen or to another program and adjust color and verbosity accordingly.

-V, --version

Display **Gentoolkit**'s version. Please include this in all bug reports. (see **BUGS** below)

MODULES

Analyze uses a system of modules. Each module has both a long and short name. The list below uses the notation "**module (m)**", where *m* is the short name and *module* is the long name.

You can view the **help** message for a specific module by using **-h, --help** as either a global option (after **analyze** and before the module name) or as a local option (after the module name).

analyze (a) [OPTIONS] TARGET

Report on all installed packages for *TARGET*.

analyze TARGET :

use

Will analyze all installed packages for the installed with USE flags and output the results.

pkguse

Will analyze the USE flags information from the installed pkg's 'PKGUSE' file which contains only flags settings from `/etc/portage/package.use` at the time of installation.

keywords

Will analyze the recorded keywords for output results.

unmask

Will analyze the installed packages and portage trees for pkgs that require unmasking and report

them. (Not implemented yet)

rebuild LOCAL OPTIONS :

-u, --unset

Will also include any USE flags used that were not enabled for some packages.

-v, --verbose

Gives more detail about the results found and the current task being performed.

analyze EXAMPLES :

analyze a --verbose --unset use

Report on all use flags used to install the packages. (**--unset**) Include in the report all flags that have been used but also were not set enabled for some packages. (**--verbose**) Also list the packages that used the USE flag setting. The report will break down the useage and report the USE flag up to 3 times indicating its setting {"+", "-", " "= unset} prepended to the flag name. It will also color the output, (the defaults are) red = Enabled, blue = Disabled, plain text = unset

rebuild (r) [OPTIONS] TARGET

Create a list all packages for *TARGET* settings that are needed for other than the default settings.

rebuild TARGET :

use

Will analyze the USE flags for output results.

keywords

Will analyze the keywords for output results.

unmask

Will analyze the installed packages and portage trees for pkgs that require unmasking and produce output/a new /etc/portage/package.unmask file.

rebuild LOCAL OPTIONS :

-a, --all

Create files/output for all TARGET(s) found to need it. (Not implemented yet)

-e, --exact

Will prepend the pkg with = as well as use the version information for the entries.
e.g.: =CAT/PKG-VER flag1 flag2

-p, --pretend

Sends the output to the screen instead of a file.

-v, --verbose

Gives more detail about the results found and the current task being performed.

rebuild EXAMPLES :

analyze rebuild -p use

Analyze the installed packages database and current system USE flag settings and output the results in the form of:

CAT/PKG -flag1 -flag2 flag3 flag4...

clean (c) [OPTIONS] TARGET

Clean all packages for *TARGET* settings that are found with obsolete settings for the current settings and pkg ebuild. **(Not implemented yet)**

clean TARGET :

use

Will analyze the USE flags and /etc/portage/package.use file(s) for entries that are redundant or no longer used by the pkg. (Not implemented yet)

keywords

Will analyze the keywords and /etc/portage/package.keywords file(s) for entries that are no longer needed. (Not implemented yet)

unmask

Will analyze the installed packages, /etc/portage/package.unmask file(s) and portage trees for pkgs that no longer require unmasking. (Not implemented yet)

clean LOCAL OPTIONS :

-a, --all

Clean files/output for all *TARGET*(s) found to need it. (Not implemented yet)

-p, --pretend

Sends the output to the screen instead of a file. (Not implemented yet)

-v, --verbose

Gives more detail about the results found and the current task being performed. (Not implemented yet)

BUGS

Submit bug reports to <https://bugs.gentoo.org>.

AUTHORS

Brian Dolbec <dolsen@gentoo.org>, 2010