

**NAME**

**pkg check** - sanity check installed packages

**SYNOPSIS**

**pkg check -B|-d|-s|-r [-nqv] -a**

**pkg check -B|-d|-s|-r [-nqv] [-Cgix] *pattern***

**pkg check --{shlibs,dependencies,checksums,recompute} [--{dry-run,quiet,verbose,yes}] --all**

**pkg check --{shlibs,dependencies,checksums,recompute} [--{dry-run,quiet,verbose,yes}]**

**[--{case-sensitive,glob,case-insensitive,regex}] *pattern***

**DESCRIPTION**

**pkg check -B** or **pkg check --shlibs** regenerates the library dependency metadata for a package by extracting library requirement information from the binary ELF files in the package.

**pkg check -d** or **pkg check --dependencies** checks for and installs missing dependencies.

**pkg check -r** or **pkg check --recompute** recalculates and sets the checksums of installed packages. This command should only be used when the administrator has made modifications that invalidate a package checksum. Spontaneous checksum problems can indicate data or security problems.

**pkg check -s** or **pkg check --checksums** detects installed packages with invalid checksums. An invalid checksum can be caused by data corruption or tampering.

**OPTIONS**

These options are supported by **pkg check**:

**-a, --all** Process all packages.

**-B, --shlibs** Regenerates the library dependency metadata for a package

**-C, --case-sensitive**

Use case sensitive standard or regular expression (-x) matching with *pattern*.

**-d, --dependencies**

Checks for and installs missing dependencies

**-g, --glob** Treat *pattern* as a shell glob pattern.

**-i, --case-insensitive**

Use case insensitive standard or regular expression (**-x**) matching with *pattern*. This is the default unless `CASE_SENSITIVE_MATCH` has been set to true in *pkg.conf*.

**-n, --dry-run** Only check for missing dependencies, do not install them.

**-r, --recompute**

Recalculates and sets the checksums of installed packages

**-s, --checksums**

Detects installed packages with invalid checksums

**-v, --verbose** Be verbose.

**-q, --quiet** Suppress most output, except for error messages and data that the command explicitly requests. This is primarily intended for scripting use.

**-x, --regex** Treat *pattern* as a regular expression, using the "modern" or "extended" syntax described in `re_format(7)`.

**-y, --yes** Assume "yes" when asked for confirmation before installing missing dependencies.

## ENVIRONMENT

These environment variables affect the execution of **pkg check**. See `pkg.conf(5)` for additional information.

`PKG_DBDIR`

`CASE_SENSITIVE_MATCH`

## FILES

See `pkg.conf(5)`.

## EXAMPLES

Regenerate the library dependency metadata of all installed packages from the library information in each package's binary ELF files:

```
pkg check -Ba
```

Test for missing dependencies needed by nano, installing any that are missing:

```
pkg check -d nano
```

Test the checksums of all installed packages to make sure none are corrupted:

```
pkg check -sa
```

**SEE ALSO**

pkg\_create(3), pkg\_printf(3), pkg\_repos(3), pkg\_keywords(5), pkg\_lua\_script(5), pkg\_repository(5), pkg\_script(5), pkg\_triggers(5), pkg.conf(5), pkg(8), pkg-add(8), pkg-alias(8), pkg-annotate(8), pkg-audit(8), pkg-autoremove(8), pkg-clean(8), pkg-config(8), pkg-create(8), pkg-delete(8), pkg-fetch(8), pkg-info(8), pkg-install(8), pkg-lock(8), pkg-query(8), pkg-register(8), pkg-repo(8), pkg-rquery(8), pkg-search(8), pkg-set(8), pkg-shell(8), pkg-shlib(8), pkg-ssh(8), pkg-stats(8), pkg-triggers(8), pkg-update(8), pkg-updating(8), pkg-upgrade(8), pkg-version(8), pkg-which(8)