

**NAME**

**R2pkg** -- create a pkgsrc package for an R package

**SYNOPSIS**

**R2pkg** [-DVbhv] [-E *editor*] [*package*]

**DESCRIPTION**

**R2pkg** takes the name of an R *package* that should be turned into a pkgsrc(7) package in the current directory. The generated package includes a *Makefile* and a mostly complete set of files to get the package going. However, the files should be reviewed and perhaps adjusted manually after **R2pkg** has finished its job. To help with this, the original versions of files created by **R2pkg** are preserved for reference.

**R2pkg** is intended to help the process of creating a package but is not intended to fly on autopilot.

The *Makefile* contains all of the variables required for an R package, with information being taken from the package's *DESCRIPTION* file on CRAN, which is automatically fetched by **R2pkg**. Likewise, the *DESCR* file is populated with information from the same file. After *Makefile* and *DESCR* are completed, **R2pkg** fetches the package and computes its checksum via the **make makesum** target. Then the package is extracted via the **make extract** target.

If the user does not supply the *package* on the command line, then **R2pkg** will prompt for it.

The following options are available:

- D** Write the package's description into *DESCRIPTION*. This may be useful for verifying the information obtained from CRAN. However, this file must be removed as it is not part of a pkgsrc(7) package.
- E *editor***  
Use *editor* instead of the user's default editor.
- V** Print the version.
- b** Use *bmake* instead of *make* for fetching and extracting the package. This might be necessary for pkgsrc(7) installed on systems other than NetBSD.
- h** Produce a short help message.
- v** Generate verbose output.

## ENVIRONMENT

The following environment variables affect the execution of **R2pkg**:

**PKGEDITOR**, **EDITOR**

Editor used for editing *Makefile* and *DESCR*.

**CRAN\_URL** The URL to the CRAN mirror for downloading the package's DESCRIPTION file. By default, *ftp://cran.r-project.org*.

## EXAMPLES

Use the following commands to create a `pkgsrc(7)` package for the R package *foo*:

```
cd pkgsrc/math
mkdir R-foo
cd R-foo
R2pkg foo
```

Remember to test the resulting package and remove any extra files created by **R2pkg**.

## BUGS

**R2pkg** does not create a finished package; instead, it facilitates the task. However, the resulting files must be reviewed and possibly edited by hand. Although dependencies are included in the generated *Makefile*, they are only comments; no attempt is made to find corresponding packages within `pkgsrc(7)`.

## SEE ALSO

`pkgsrc(7)`

## AUTHORS

**R2pkg** was written by Brook Milligan <*brook@NetBSD.org*>.