

# Package ‘backports’

November 2, 2020

**Type** Package

**Title** Reimplementations of Functions Introduced Since R-3.0.0

**Version** 1.2.0

**Maintainer** Michel Lang <michellang@gmail.com>

**Description** Functions introduced or changed since R v3.0.0 are re-implemented in this package. The backports are conditionally exported in order to let R resolve the function name to either the implemented backport, or the respective base version, if available. Package developers can make use of new functions or arguments by selectively importing specific backports to support older installations.

**URL** <https://github.com/r-lib/backports>

**BugReports** <https://github.com/r-lib/backports/issues>

**License** GPL-2 | GPL-3

**NeedsCompilation** yes

**ByteCompile** yes

**Depends** R (>= 3.0.0)

**Encoding** UTF-8

**RoxygenNote** 7.1.1

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**Repository** CRAN

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backports-package      *backports: Reimplementations of Functions Introduced Since R-3.0.0*

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### Description

Functions introduced or changed since R v3.0.0 are re-implemented in this package. The backports are conditionally exported in order to let R resolve the function name to either the implemented backport, or the respective base version, if available. Package developers can make use of new functions or arguments by selectively importing specific backports to support older installations.

### Author(s)

**Maintainer:** Michel Lang <michellang@gmail.com> ([ORCID](#))

Authors:

- R Core Team

### See Also

Useful links:

- <https://github.com/r-lib/backports>
- Report bugs at <https://github.com/r-lib/backports/issues>

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import      *Import backported functions into your package*

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### Description

Imports objects from **backports** into the namespace of other packages by assigning it during load-time. See examples for a code snippet to copy to your package.

### Usage

```
import(pkgname, obj = NULL, force = FALSE)
```

### Arguments

pkgname	[character(1)] Name of the package where the backported function should be assigned.
obj	[character] Name of objects to assign, as character vector. If NULL, all backports which are not provided by R itself are assigned.
force	[logical] If obj is provided and force is set to FALSE, only backports not provided by the base package of the executing R interpreter are imported. Set to TRUE to ignore this check and always import the backport into the package's namespace.

**See Also**[.onLoad](#)**Examples**

```
## Not run:
# This imports all functions implemented in backports while the package is loaded
.onLoad <- function(libname, pkgname) {
  backports::import(pkgname)
}

# This only imports the function "trimws"
.onLoad <- function(libname, pkgname) {
  backports::import(pkgname, "trimws")
}

# This imports all backports from base and force-imports "hasName" from utils
.onLoad <- function(libname, pkgname) {
  backports::import(pkgname)
  backports::import(pkgname, "hasName", force = TRUE)
}

## End(Not run)
```

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