

# Package ‘progressify’

May 31, 2026

**Version** 0.2.0

**Title** Progress Reporting of Common Functions via One Magic Function

**Description** The `progressify()` function rewrites (transpiles) calls to sequential and parallel map-reduce functions such as `base::lapply()`, `purrr::map()`, `foreach::foreach()`, and `plyr::llply()` to signal progress updates. By combining this function with R's native pipe operator, you have a straightforward way to report progress on iterative computations with minimal refactoring, e.g. `'lapply(x, fcn) |> progressify()'` and `'purrr::map(x, fcn) |> progressify()'`. It is compatible with the parallel-processing map-reduce packages `'future.apply'`, `'furr'`, `'crossmap'`, `'foreach'`, `'doFuture'`, and `'faturize'`. It also supports domain-specific packages including `'boot'`, `'fwb'`, `'lme4'`, `'partykit'`, `'sandwich'`, and `'SimDesign'`, e.g. `'boot::boot(data, stat, R) |> progressify()'`.

**License** Apache License (>= 2)

**URL** <https://progressify.futureverse.org>,  
<https://github.com/futureverse/progressify>

**BugReports** <https://github.com/futureverse/progressify/issues>

**Depends** R (>= 4.1.0), progressr

**Imports** methods

**Suggests** base64enc, boot, commonmark, crossmap, doFuture, foreach,  
furr, future.apply, fwb, faturize, lme4, partykit, plyr,  
purrr, sandwich, SimDesign, tools

**VignetteBuilder** progressify

**Encoding** UTF-8

**Config/roxygen2/version** 8.0.0

**NeedsCompilation** no

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**Repository** CRAN

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progressify	<i>Evaluate a regular map-reduce call with progress updates</i>
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### Description

Evaluate a regular map-reduce call with progress updates

### Usage

```
progressify(
  expr,
  substitute = TRUE,
  ...,
  when = TRUE,
  eval = TRUE,
  envir = parent.frame()
)
```

### Arguments

expr	An R expression.
substitute	If TRUE, expr is quoted.
when	If TRUE (default), the expression is progressified, otherwise not.
eval	If TRUE (default), the progressified expression is evaluated, otherwise it is returned.
envir	The environment in which expr is evaluated.
...	Not used.

### Value

Returns the value of the evaluated expression expr.

### Examples

```
handlers(global = TRUE) # listen to progress updates

xs <- list(1, 1:2, 1:2, 1:5)
y <- lapply(X = xs, FUN = sum) |> progressify()
str(y)
```

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`progressify_supported_packages`

*List packages and functions supporting progressification*

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### **Description**

List packages and functions supporting progressification

### **Usage**

```
progressify_supported_packages()
```

```
progressify_supported_functions(package)
```

### **Arguments**

`package`            A package name.

### **Value**

A character vector of package or function names.

### **Examples**

```
pkgs <- progressify_supported_packages()
pkgs

fcns <- progressify_supported_functions("base")
print(fcns)

if (requireNamespace("purrr")) {
  fcns <- progressify_supported_functions("purrr")
  print(fcns)
}
```

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