

# Package: biocroxytest (via r-universe)

September 24, 2026

**Title** Handle Long Tests in Bioconductor Packages

**Version** 1.9.0

**Description** This package provides a roclet for roxygen2 that identifies and processes code blocks in your documentation marked with ``@longtests``. These blocks should contain tests that take a long time to run and thus cannot be included in the regular test suite of the package. When you run ``roxygen2::roxygenise`` with the ``longtests_roclet``, it will extract these long tests from your documentation and save them in a separate directory. This allows you to run these long tests separately from the rest of your tests, for example, on a continuous integration server that is set up to run long tests.

**License** GPL (>= 3)

**Encoding** UTF-8

**Roxygen** list(markdown = TRUE, roclets = c("`rd", "`collate",  
`namespace"))

**RoxygenNote** 7.3.0

**URL** <https://github.com/xec-cm/biocroxytest>

**BugReports** <https://github.com/xec-cm/biocroxytest/issues>

**biocViews** Software, Infrastructure

**Imports** cli, glue, roxygen2, stringr

**Suggests** BiocStyle, here, knitr, rmarkdown, testthat (>= 3.0.0)

**Depends** R (>= 4.4.0)

**Config/testthat/edition** 3

**Config/testthat/parallel** false

**VignetteBuilder** knitr

**Config/pak/sysreqs** cmake make libicu-dev libuv1-dev libxml2-dev

**Repository** <https://bioc.r-universe.dev>

**Date/Publication** 2026-04-28 13:02:17 UTC

**RemoteUrl** <https://github.com/bioc/biocroxytest>

**RemoteRef** HEAD  
**RemoteSha** d5876a7a5aa55e70f05109335a2b464870e885bc

**Contents**

|                                           |   |
|-------------------------------------------|---|
| longtests_roclet . . . . .                | 2 |
| roclet_clean.roclet_longtests . . . . .   | 3 |
| roclet_output.roclet_longtests . . . . .  | 4 |
| roclet_process.roclet_longtests . . . . . | 5 |
| use_longtests . . . . .                   | 6 |

|              |          |
|--------------|----------|
| <b>Index</b> | <b>7</b> |
|--------------|----------|

---

|                  |                              |
|------------------|------------------------------|
| longtests_roclet | <i>Roclet for Long Tests</i> |
|------------------|------------------------------|

---

**Description**

This roclet is used to identify and process code blocks in your documentation that are marked with @longtests. The longtests\_roclet function creates a new roclet, which is a plugin to the roxygen2 package. Roclets are responsible for parsing the R scripts of a package and producing the relevant documentation files.

**Usage**

```
longtests_roclet()
```

**Details**

The longtests\_roclet specifically looks for code blocks in your documentation that are annotated with the @longtests tag. These code blocks should contain tests that take a long time to run, and thus cannot be included in the regular test suite of the package.

When you run roxygen2::roxygenise with the longtests\_roclet, it will extract these long tests from your documentation and save them in a separate directory. This allows you to run these long tests separately from the rest of your tests, for example, on a continuous integration server that is set up to run long tests.

**Value**

A roclet that can be used with roxygen2 to process code blocks marked with @longtests. This roclet will produce a set of test files in a separate directory, which can be run independently of the rest of your test suite.

**Examples**

```
# Create a new roclet
longtests_roclet()
```

---

`roclet_clean.roclet_longtests`*Clean up test files in the 'longtests' directory*

---

## Description

This function cleans up test files in the 'longtests' directory of a given base path. It first verifies if 'longtests' is used in the package by calling `verify_longtests_used()`. Then, it finds all test files in the 'longtests' directory that match the pattern `"test-biocroxytest-.*\R$"`. Finally, it calls `internal_longtests_roclet_clean(testfiles)` to remove the test files generated by biocroxytest.

## Usage

```
## S3 method for class 'roclet_longtests'
roclet_clean(x, base_path)
```

## Arguments

|                        |                                                               |
|------------------------|---------------------------------------------------------------|
| <code>x</code>         | An object of class 'roclet_longtests'.                        |
| <code>base_path</code> | A character string representing the base path of the package. |

## Value

Invisible NULL.

## Examples

```
# Set up a temporary directory
base_path <- tempdir()
longtests_path <- file.path(base_path, "longtests")
unlink(longtests_path, recursive = TRUE, force = TRUE)
dir.create(longtests_path, recursive = TRUE, showWarnings = FALSE)

# Create dummy inputs
obj <- longtests_roclet()

# Run the roclet_output function
result <- roxygen2::roclet_clean(obj, base_path)
```

---

`roclet_output.roclet_longtests`*Process blocks for 'longtests' roclet*

---

## Description

This function processes a list of blocks for the 'longtests' roclet. It calls the 'internal\_longtests\_roclet\_process' function with the specified blocks and additional arguments. The code in the tests is indented, a 'test\_that' boilerplate is added to the tests, and a 'context' line is not added to the header.

## Usage

```
## S3 method for class 'roclet_longtests'
roclet_output(x, results, base_path, ...)
```

## Arguments

|                        |                                                              |
|------------------------|--------------------------------------------------------------|
| <code>x</code>         | An object of class 'roclet_longtests'. package.              |
| <code>results</code>   | A list with a single element 'longtests', which contains the |
| <code>base_path</code> | A character string representing the base path of the         |
| <code>...</code>       | Additional arguments passed to the function.                 |

## Value

A list with a single element 'longtests', which contains the processed test files.

## Examples

```
# Set up a temporary directory
base_path <- tempdir()
longtests_path <- file.path(base_path, "longtests", "testthat")
unlink(longtests_path, recursive = TRUE, force = TRUE)
dir.create(longtests_path, recursive = TRUE, showWarnings = FALSE)

# Create dummy inputs
obj <- longtests_roclet()
results <- list(longtests = list())

# Run the roclet_output function
result <- roxygen2::roclet_output(obj, results, base_path)
```

---

```
roclet_process.roclet_longtests
```

*Process blocks for 'longtests' roclet*

---

## Description

This function processes a list of blocks for the 'longtests' roclet. It calls the 'internal\_longtests\_roclet\_process' function with the specified blocks and additional arguments. The code in the tests is indented, a 'test\_that' boilerplate is added to the tests, and a 'context' line is not added to the header.

## Usage

```
## S3 method for class 'roclet_longtests'
roclet_process(x, blocks, env, base_path)
```

## Arguments

|           |                                                               |
|-----------|---------------------------------------------------------------|
| x         | An object of class 'roclet_longtests'.                        |
| blocks    | A list of roxygen2 blocks.                                    |
| env       | The environment in which the roxygen2 blocks were parsed.     |
| base_path | A character string representing the base path of the package. |

## Value

A list with a single element 'longtests', which contains the processed test files.

## Examples

```
# Create a dummy block function
block <- function(roclet, value) {
  list(roclet = roclet, value = value)
}

# Create a new roclet_longtests object
x <- longtests_roclet()

# Define some roxygen2 blocks
blocks <- list(
  block(
    roclet = "longtests",
    value = list(
      raw = "test_that('this is a test', { expect_equal(1, 1) })"
    )
  )
)

blocks <- structure(blocks, class = "roclet_longtests")
```

```
# Define the environment and base path
env <- globalenv()
base_path <- tempdir()

# Process the blocks
roxygen2::rocllet_process(x, blocks, env, base_path)
```

---

|               |                                                 |
|---------------|-------------------------------------------------|
| use_longtests | <i>Sets up overall longtests infrastructure</i> |
|---------------|-------------------------------------------------|

---

### Description

This function is used to set up the environment for running long tests. It calls two helper functions: `setup_bboptions()` and `setup_longtetsts()`.

### Usage

```
use_longtests()
```

### Details

The `use_longtests()` function is a wrapper function that calls `setup_bboptions()` and `setup_longtetsts()`. The `setup_bboptions()` function checks if the `.BBSoptions` file exists and creates it if it doesn't. It then checks the contents of the `.BBSoptions` file and adds or modifies the `'RunLongTests: TRUE'` line as needed. The `setup_longtetsts()` function creates a `'longtests/testthat'` directory if it doesn't exist and copies the `'tests/testthat.R'` file into it. If the `'tests/testthat.R'` file doesn't exist, it creates a new one with default content.

### Value

This function does not return a value. It is used for its side effects of setting up the environment for running long tests.

### Examples

```
# Create the longtests directory and .BBSoptions file
use_longtests()

# Remove the longtests directory and .BBSoptions file
unlink(file.path(".BBSoptions"), recursive = TRUE, force = TRUE)
unlink(file.path("longtests"), recursive = TRUE, force = TRUE)
```

# Index

longtests\_roclet, [2](#)

roclet\_clean.roclet\_longtests, [3](#)

roclet\_output.roclet\_longtests, [4](#)

roclet\_process.roclet\_longtests, [5](#)

use\_longtests, [6](#)