

# Package: bootstrapper (via r-universe)

May 16, 2026

**Title** Opinionated R Package Quickstart

**Version** 1.0.0

**Description** Bootstrap new R packages with strongly opinionated defaults. Creates the package scaffold, wires up tests, README and NEWS, configures GitHub Actions and Dependabot, adds Air/JarL setup, and drop in a default AGENTS.md for building R packages.

**License** GPL (>= 3)

**URL** <https://bootstrapper.visruth.com/>

**Depends** R (>= 4.2.0)

**Imports** fs, spelling, usethis, utils

**Suggests** testthat (>= 3.0.0)

**Config/testthat/edition** 3

**Encoding** UTF-8

**Language** en-US

**Roxygen** list(markdown = TRUE)

**RoxygenNote** 7.3.3

**Config/pak/sysreqs** cmake git make libgit2-dev libuv1-dev libxml2-dev libssl-dev libx11-dev

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

**Date/Publication** 2026-02-26 04:13:52 UTC

**RemoteUrl** <https://github.com/VisruthSK/bootstrapper>

**RemoteRef** e0ee17327dc861846f340352d7ace3f51447b2c3

**RemoteSha** e0ee17327dc861846f340352d7ace3f51447b2c3

## Contents

bootstrapper . . . . .	2
create_package . . . . .	3
pkg_setup . . . . .	3

setup_agents . . . . .	4
setup_dependabot . . . . .	4
setup_gha . . . . .	4
setup_precommit . . . . .	5
use_license . . . . .	5

<b>Index</b>	<b>6</b>
--------------	----------

---

bootstrapper	<i>Bootstrap a New R Package</i>
--------------	----------------------------------

---

## Description

Create a package with some opinionated setup.

## Usage

```
bootstrapper(
  fields = getOption("usethis.description", list(`Authors@R` = person("Visruth",
    "Srimath Kandali", , "public@visruth.com", role = c("aut", "cre", "cph"), comment =
    c(ORCID = "0009-0005-9097-0688")))),
  setup_gha = TRUE,
  setup_dependabot = TRUE,
  setup_AGENTS = FALSE,
  setup_precommit = TRUE,
  ...
)
```

## Arguments

fields	Named list of DESCRIPTION fields passed to <a href="#">usethis::create_package()</a> . See <a href="#">usethis::use_description()</a>
setup_gha	Whether to configure GitHub Actions setup.
setup_dependabot	Whether to write a Dependabot configuration.
setup_AGENTS	Whether to write a default AGENTS file.
setup_precommit	Whether to write a Bash pre-commit hook.
...	Additional arguments passed to <a href="#">usethis::create_package()</a> .

## Value

Invisibly returns NULL.

---

create_package	<i>Create a Package and Connect GitHub</i>
----------------	--

---

**Description**

Create a package in root, prompts for a license, cleans up build ignore file.

**Usage**

```
create_package(fields = getOption("usethis.description"), ...)
```

**Arguments**

fields	Named list of DESCRIPTION fields passed to <code>usethis::create_package()</code> . See <code>usethis::use_description()</code>
...	Additional arguments passed to <code>usethis::create_package()</code> .

**Value**

Invisibly returns NULL.

---

pkg_setup	<i>Apply Opinionated Package Setup</i>
-----------	--

---

**Description**

Run the package setup steps used by bootstrapper, including test infrastructure, README/NEWS creation, GitHub Actions, and linting defaults. Run this in the root directory of your package.

**Usage**

```
pkg_setup(
  setup_gha = TRUE,
  setup_dependabot = TRUE,
  setup_AGENTS = FALSE,
  setup_precommit = TRUE
)
```

**Arguments**

setup_gha	Whether to configure GitHub Actions setup.
setup_dependabot	Whether to write a Dependabot configuration.
setup_AGENTS	Whether to write a default AGENTS file.
setup_precommit	Whether to write a Bash pre-commit hook.

**Value**

Invisibly returns NULL.

---

setup_agents	<i>Configure AGENTS Defaults</i>
--------------	----------------------------------

---

**Description**

Copies an opinionated, concise AGENTS.md for R package development.

**Usage**

```
setup_agents()
```

**Value**

Invisibly returns NULL.

---

setup_dependabot	<i>Configure Dependabot Defaults</i>
------------------	--------------------------------------

---

**Description**

Writes a default Dependabot configuration for GitHub Actions.

**Usage**

```
setup_dependabot()
```

**Value**

Invisibly returns NULL.

---

setup_gha	<i>Configure GitHub Actions Defaults</i>
-----------	--

---

**Description**

Sets up standard GitHub Actions used by this package template and updates workflow references.

**Usage**

```
setup_gha()
```

**Value**

Invisibly returns NULL.

---

setup_precommit	<i>Configure Pre-Commit Hook</i>
-----------------	----------------------------------

---

**Description**

Writes a Bash pre-commit hook that runs format and lint checks.

**Usage**

```
setup_precommit()
```

**Value**

Invisibly returns NULL.

---

use_license	<i>Choose and Apply a License</i>
-------------	-----------------------------------

---

**Description**

Prompts for a license choice in interactive sessions and applies the selected use this license helper.

**Usage**

```
use_license()
```

**Value**

Invisibly returns NULL.

# Index

bootstrapper, [2](#)

create\_package, [3](#)

pkg\_setup, [3](#)

setup\_agents, [4](#)

setup\_dependabot, [4](#)

setup\_gha, [4](#)

setup\_precommit, [5](#)

use\_license, [5](#)

usethis::create\_package(), [2](#), [3](#)

usethis::use\_description(), [2](#), [3](#)