

# Package: devindocker (via r-universe)

June 26, 2024

**Title** Help Develop a R Project Inside a Docker Container

**Version** 0.0.1.9000

**Description** Help develop a R project inside a Docker container.

**License** MIT + file LICENSE

**URL** <https://thinkr-open.github.io/devindocker/>,  
<https://github.com/Thinkr-open/devindocker>

**Imports** future, stats, utils

**Suggests** htr, knitr, rmarkdown, testthat, usethis

**VignetteBuilder** knitr

**Encoding** UTF-8

**LazyData** true

**Roxygen** list(markdown = TRUE)

**RoxygenNote** 7.1.1

**SystemRequirements** Docker

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

**RemoteUrl** <https://github.com/ThinkR-open/devindocker>

**RemoteRef** HEAD

**RemoteSha** 09e652d68dca0b7c1c4bf8cd565e03986cba7f5d

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launch\_proj\_docker      *Launch and stop Docker*

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### Description

Launch and stop Docker

Stop running Docker container

### Usage

```
launch_proj_docker(
  path = ".",
  container = "thinkr/rstudio3_6_1_geo",
  network_name = "r-db",
  port = 8787,
  renv_inst = FALSE,
  renv_cache = FALSE,
  renv_out = FALSE,
  renv_out_dir,
  update_docker = TRUE,
  is_root = FALSE,
  volumes,
  open_url = TRUE,
  url = "http://127.0.0.1",
  password = NULL
)
```

```
stop_proj_docker(path, sleep = 10, network_name = "r-db", stop_network = TRUE)
```

### Arguments

path	Path to project or any directory to launch.
container	Docker container to download from docker hub.
network_name	Character. Give the name of the network in which the container will be included using <code>--net network_name</code> .
port	Local port to which to launch Rstudio Server
renv_inst	Logical. Whether to add a R script with renv instructions in the project.
renv_cache	Path to renv cache on your computer. Set to FALSE to not use renv.
renv_out	Whether to set renv libraries out of the project.
renv_out_dir	Where to store project libraries. Default to a ".renv" folder in the parent directory of "path"
update_docker	Logical. Whether to update Docker container with DockerHub.
is_root	logical. Whether the Docker user has root permissions (add to sudoers). Can be useful if you want to simulate your CI behaviour in the Terminal using "sudo R".

volumes	data.frame with two columns named local and docker. local contains path to local computer. docker contains path inside the docker container linked to local.
open_url	Logical. Whether to open container URL in browser on http://127.0.0.1:port
url	Localhost url. Default to "http://127.0.0.1". "localhost" can be a good alternative.
password	String. Default to NULL. If not NULL, password will be used as a password to open RStudio server. Useful in case you're using {devindocker} on a remote server.
sleep	Numeric. Number of seconds to wait for user to correctly stop Rstudio Server
stop_network	Logical. Whether to stop Docker network.

### Details

renv\_out : It is recommended to set renv library out of the project to avoid copy of entire library during package checks. See vignette("packages", package = "renv").

### Examples

```
## Not run:
tempdir <- tempdir()
path <- file.path(tempdir, "myproject")
usethis::create_package(path, open = FALSE)

# Which Rstudio container ? ----
container <- c("thinkr/rstudio3_5_2",
              "rocker/geospatial:4.0.1")[2]

# Which port ? ----
# _Useful if multiple Rstudio Server to launch
port <- 8788

# _Start Docker project
launch_proj_docker(path = path,
                  container = container,
                  port = port)

# _Stop Docker properly
stop_proj_docker(path = path, sleep = 5)

# With renv cache shared with host
dir.create(file.path(tempdir, "cache"))
tempcache <- file.path(tempdir, "cache")
# _Start Docker project
launch_proj_docker(path = path,
                  container = container,
                  port = port,
                  renv_cache = tempcache)

# _Stop Docker properly
```

```
stop_proj_docker(path = path, sleep = 5)

# Mount with additional volumes

## End(Not run)
```

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update\_renv\_help      *Update renv instructions with last version*

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**Description**

Update renv instructions with last version

**Usage**

```
update_renv_help(path = "", overwrite = TRUE)
```

**Arguments**

path	Path where to save the renv_instructions.Rmd file
overwrite	Whether to overwrite existing file

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