

Package ‘dockerfiler’

April 3, 2019

Title Easy Dockerfile Creation from R

Version 0.1.3

Description Build a Dockerfile straight from your R session. 'dockerfiler' allows you to create step by step a Dockerfile, and provide convenient tools to wrap R code inside this Dockerfile.

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URL <https://github.com/ColinFay/dockerfiler>

BugReports <https://github.com/ColinFay/dockerfiler/issues>

Imports attempt, glue, R6, utils

Suggests covr, testthat, knitr, rmarkdown

Encoding UTF-8

LazyData true

RoxygenNote 6.1.0

VignetteBuilder knitr

NeedsCompilation no

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Repository CRAN

Date/Publication 2019-03-19 16:10:03 UTC

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Dockerfile

A Dockerfile template

Description

A Dockerfile template

Usage

Dockerfile

Format

An object of class `R6ClassGenerator` of length 24.

Value

A dockerfile template

Methods

`RUN` add a `RUN` command
`ADD` add a `ADD` command
`COPY` add a `COPY` command
`WORKDIR` add a `WORKDIR` command
`EXPOSE` add an `EXPOSE` command
`VOLUME` add a `VOLUME` command
`CMD` add a `CMD` command
`LABEL` add a `LABEL` command
`ENV` add a `ENV` command
`ENTRYPOINT` add a `ENTRYPOINT` command
`VOLUME` add a `VOLUME` command
`USER` add a `USER` command
`ARG` add an `ARG` command
`ONBUILD` add a `ONBUILD` command
`STOPSIGNAL` add a `STOPSIGNAL` command
`HEALTHCHECK` add a `HEALTHCHECK` command
`STOPSIGNAL` add a `STOPSIGNAL` command
`SHELL` add a `SHELL` command
`MAINTAINER` add a `MAINTAINER` command
`custom` add a custom command
`write` save the Dockerfile
`switch_cmd` switch two command
`remove_cmd` remove_cmd one or more command(s)

Examples

```
my_dock <- Dockerfile$new()
```

dock_from_desc	<i>Docker file from DESCRIPTION</i>
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Description

This function will parse a DESCRIPTION file and create a Dockerfile that remotes::install_cran all the functions from the Imports section, add the COPY of the tar.gz of the package, and install the package.

Usage

```
dock_from_desc(path = "DESCRIPTION", FROM = "rocker/r-base",  
  AS = NULL)
```

Arguments

path	Path to DESCRIPTION
FROM	FROM of the Dockerfile
AS	AS of the Dockerfile

Value

A Dockerfile Object.

Note

After this Dockerfile is created, the package should be built and be put in the same directory as the dockerfile.

Examples

```
## Not run:  
my_dock <- dock_from_desc("DESCRIPTION")  
my_dock  
my_dock$CMD(r(library(dockerfiler)))  
my_dock$add_after(  
  cmd = "RUN R -e 'remotes::install_cran(\"rlang\")'",  
  after = 3  
)  
  
## End(Not run)
```

r	<i>Turn an R call into an Unix call</i>
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Description

Turn an R call into an Unix call

Usage

```
r(code)
```

Arguments

code	the function to call
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Value

an unix R call

Examples

```
r(print("yeay"))  
r(install.packages("plumber", repo = "http://cran.irsn.fr/"))
```