

Packages 101

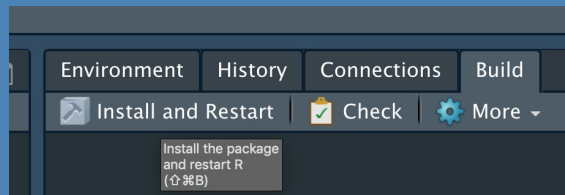


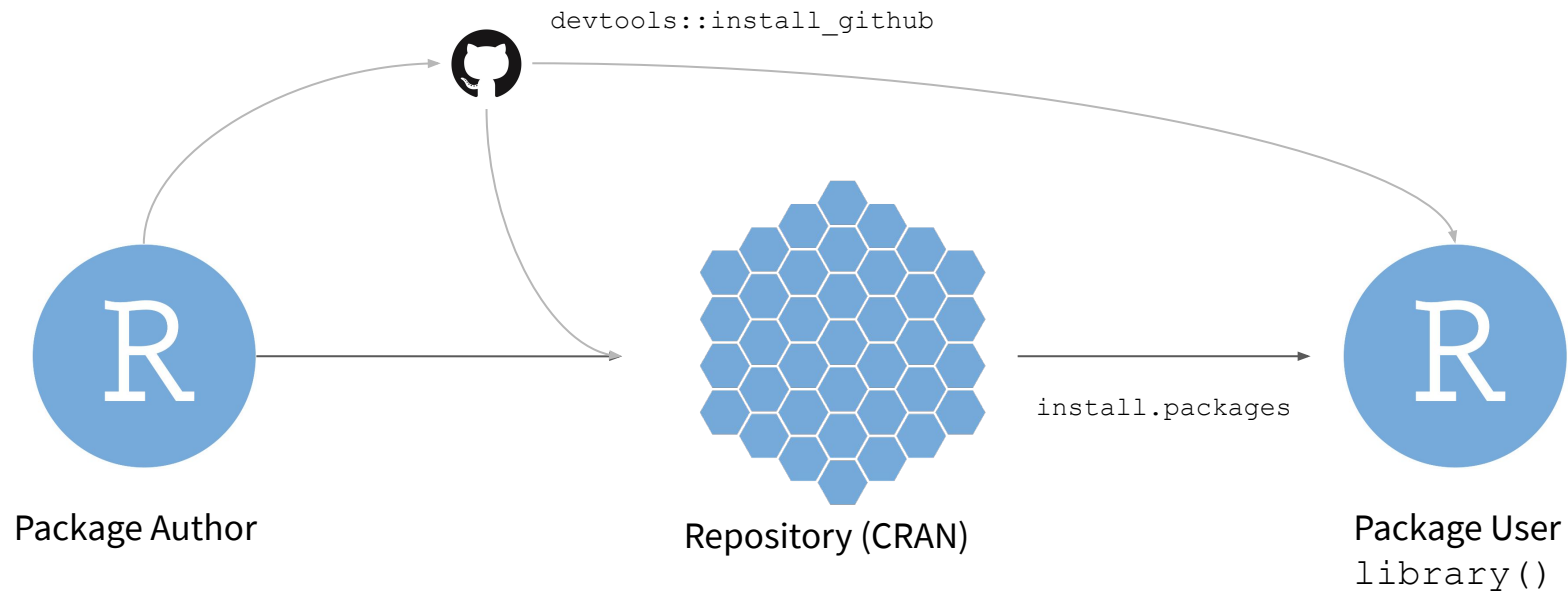
Exercise

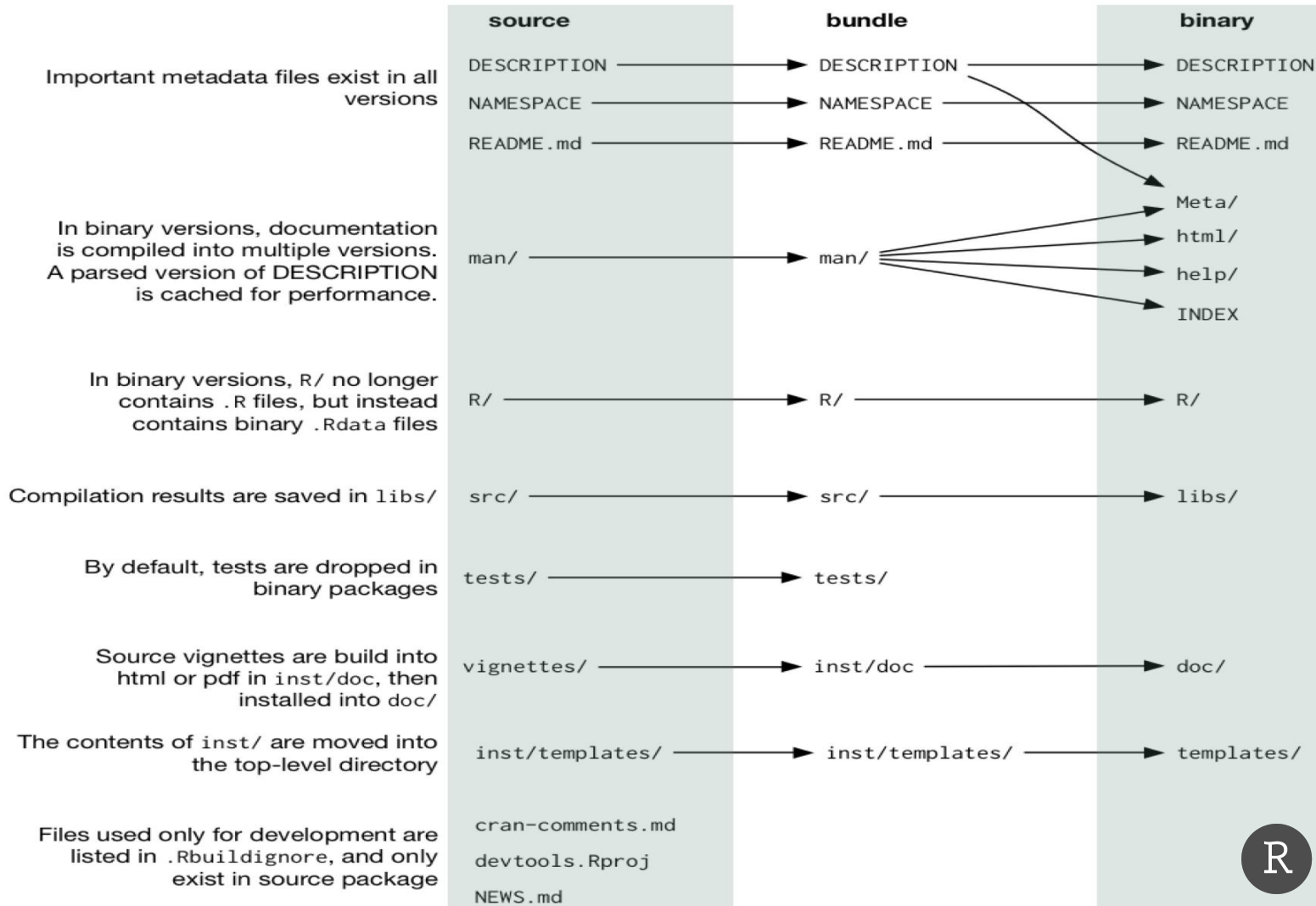
1. Run `usethis::create_package("~/helloworld")` . What does the skeleton of the package look like?
2. Run `usethis::use_r("hello")` and then copy this:

```
hello <- function(name){ sprintf("Hello %s!", name)}
```
3.

```
library(helloworld)  
hello("Sean")
```
4. What happened when we ran?







Important metadata files exist in all versions

In binary versions, documentation is compiled into multiple versions. A parsed version of DESCRIPTION is cached for performance.

In binary versions, R/ no longer contains .R files, but instead contains binary .Rdata files

Compilation results are saved in libs/

By default, tests are dropped in binary packages

Source vignettes are build into html or pdf in inst/doc, then installed into doc/

The contents of inst/ are moved into the top-level directory

Files used only for development are listed in .Rbuildignore, and only exist in source package

source	
DESCRIPTION	_____
NAMESPACE	_____
README.md	_____
man/	_____
R/	_____
src/	_____
tests/	_____
vignettes/	_____
inst/templates/	_____
cran-comments.md	_____
devtools.Rproj	_____
NEWS.md	_____

tidyverse / glue

Watch 18

Code

Issues 19

Pull requests 1

Actions

Security

Insights

Glue strings to data in R. Small, fast, dependency free interpreted string literals. <https://glue.tidyverse.org>

r

strings

string-interpolation

R 85.6%

C 14.4%

Branch: master

New pull request

Create new file

Upload files



Shelmith-Kariuki and hadley Added an example (#139)

.aspell

Add spelling words

R

Added an example (#139)

man

Added an example (#139)

pkgdown/favicon

Updated README ##Overview, retina logo, and favicon

revdep

Add new revdep results

src

Move the resize before the UNPROTECT

tests

Add .trim argument to glue

vignettes

Update transformers.Rmd

.Rbuildignore

Deploy site automatically

.gitignore

Add noindex to gitignore

.travis.yml

Turn off testing for R 3.1 for now

DESCRIPTION

Bump version for development

LICENSE

Initial commit

NAMESPACE

Add plus method to combine strings

NEWS.md

Add .trim argument to glue

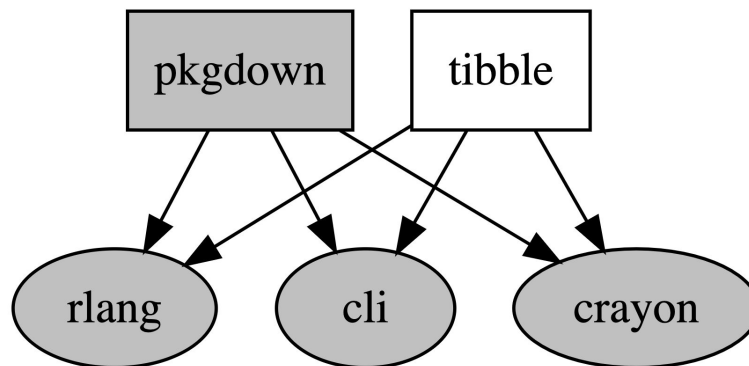
README.Rmd

Add plus method to combine strings

README.md

Re-render readme

Dependencies



Exercise

1. In our package project, run `usethis::use_package("glue")`
2. Change our function to:

```
hello <- function(name){glue::glue("Hello, {name}!")}
```
3. Re-build our package and try out our new function.
4. What version of glue is used? Why?

More Resources

<https://r-pkgs.org/whole-game.html>

<https://github.com/jennybc/pkg-dev-tutorial>