

# R Package Update & Push Workflow

Use this 5-step checklist every time you add, rename, or modify functions in your R package. It ensures your documentation, namespace, and GitHub repository stay clean and in sync.

- 1 **1. Save your edits**  
Ensure all modified .R files are saved in the R/ folder.
- 2 **2. Regenerate documentation and NAMESPACE**  
`devtools::document()`  
Rebuilds all function help files and updates exports.
- 3 **3. Reinstall and test locally**  
`devtools::install(clean = TRUE, build_vignettes = FALSE)`  
`library(yourpackagename)`  
Test new or renamed functions interactively.
- 4 **4. Commit and push to GitHub**  
In RStudio's Git tab or terminal:  
`git add .`  
`git commit -m 'Updated functions and documentation'`  
`git push origin main`
- 5 **5. (Optional) Run full package checks**  
`devtools::check()`  
Runs CRAN-style checks for errors, warnings, or notes.

## Quick Summary

1. Save → 2. `document()` → 3. `install()` → 4. commit & push → 5. `check()`  
Repeat this cycle each time you update your package.