# Documentation update database in package ORA

**NOTE:** Updates are only necessary if GO.db or org.Hs.eg.db packages changed - once with every new R release should be adequate.

**NOTE:** You need to run R as administrator!

With SVN access:

1. Update R to the newest version and follow 00Starterguide.
2. Open R session in R Studio.
3. Use function "updateORAdatabase()" to create updated data.
4. Remove all files from .../Subversion/PUB/dbt/ORA/inst/extdata via right click -> Tortoise SVN -> Delete. Then, SVN Commit on “extdata” folder.
5. Copy files from "system.file('extdata', package = 'ORA')" to ORA

package folder in SVN (.../Subversion/PUB/dbt/ORA/inst/extdata/).

1. Open file .../Subversion/PUB/dbt/ORA/DESCRIPTION (e.g. in Notepad ++)

and change version number and date.

1. Open file .../Subversion/PUB/dbt/ORA/man/ORA-package.Rd and change

version number and date accordingly.

1. Go to https://bioconductor.org/packages/release/data/annotation/html/org.Hs.eg.db.html

and look up timestamp of documentation in documentation PDF (Reference Manual) (in first line after title)

1. Go to https://bioconductor.org/packages/release/data/annotation/html/GO.db.html

and look up timestamp of documentation in documentation PDF (Reference Manual) (in first line after title)

1. Open file .../Subversion/PUB/dbt/ORA/man/updateORAdatabase.Rd and

change date in line 12 according to point 8 and 9.

1. Restart R Studio.
2. File -> Open project -> .../Subversion/PUB/dbt/ORA/ORA.Rproj
3. Right panel tab "Build" -> More -> "Build source package"
4. Restart R Studio call “updateDBT()”.
5. Commit all changes to SVN.

Without SVN access, with git:

**NOTE:** Recommended video to learn basic git: <https://www.youtube.com/watch?v=Y9XZQO1n_7c>

**NOTE:** You need the credentials to log into the user account for GitHub where you get the package from! If you don’t have access to the original user account, you can create your own and fork (with pull request) the original project.

1. Update R to the newest version.
2. Open R session in R Studio.
3. Install R-package “dbtORA” from <https://github.com/CLippmann/dbtORA.git> (here the url might/should be changed to the IME-TMP git-Account) from GitHub e.g. like described here: https://cran.r-project.org/web/packages/githubinstall/vignettes/githubinstall.html
4. Use function "updateORAdatabase()" to create updated data.
5. Set options that you can see hidden folders (e.g. described here: <https://www.howtogeek.com/howto/windows-vista/show-hidden-files-and-folders-in-windows-vista/> )
6. In some arbitrary folder e.g. “PathToFolder/GitFolder” -> Right click -> Git Bash here
   1. If no hidden “.git” folder exists, enter “git init”
   2. If no hidden “.gitignore” file exists, enter “touch .gitignore” (Don’t forget the dot!)
7. Enter “git clone <https://github.com/CLippmann/dbtORA.git>” (Here the url might/should be changed to the IME-TMP git-Account)
8. Enter “cd dbtORA/”
9. Enter “git pull origin”
10. In R Studio, enter "system.file('extdata', package = 'ORA')" and go to this path on your PC.
11. Copy files from the path "system.file('extdata', package = 'ORA')" to “PathToFolder/GitFolder/dbtORA/inst/extdata” and replace the existing files.
12. Open file PathToFolder/GitFolder/dbtORA/DESCRIPTION (e.g. in Notepad ++)

and change version number and date.

1. Open file PathToFolder/GitFolder/dbtORA//man/ORA-package.Rd and change

version number and date accordingly.

1. Go to https://bioconductor.org/packages/release/data/annotation/html/org.Hs.eg.db.html

and look up timestamp of documentation in documentation PDF (Reference Manual) (in first line after title)

1. Go to https://bioconductor.org/packages/release/data/annotation/html/GO.db.html

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1. Open file PathToFolder/GitFolder/dbtORA/man/updateORAdatabase.Rd and

change date in line 12 according to point 14 and 15.

1. In the git bash enter “git status” to check if all changes were correctly made. (There should be “changes not staged for commit”)
2. Enter “git commit -a -m 'Update of ORA database'”, where ‘Update of ORA database’ is the commit message and can be changed according to the changes that were made.
3. Enter “git push origin master” (You will be asked for credentials to log in to GitHub. – If you try to push to <https://github.com/CLippmann/dbtORA.git> you need the credentials for the CLippmann user account.)
4. Ignore warning “remote: warning: File inst/extdata/GOAall.lrn is 82.03 MB; this is larger than GitHub's recommended maximum file size of 50.00 MB”
5. Enter “exit”.
6. Delete “PathToFolder/GitFolder”, if you want.