

Using **ccache** to speed up package installation

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Based on http://dirk.eddelbuettel.com/blog/2017/11/27/#011_faster_package_installation_one.

1. Install **ccache** using:

```
sudo apt install ccache
```

2. Add the following to `~/.R/Makevars`:

```
## ~/.R/Makevars
##
VER=
CCACHE=ccache
CC=$(CCACHE) gcc$(VER)
CXX=$(CCACHE) g++$(VER)
CXX11=$(CCACHE) g++$(VER)
CXX14=$(CCACHE) g++$(VER)
FC=$(CCACHE) gfortran$(VER)
F77=$(CCACHE) gfortran$(VER)
```

3. Add the following to `~/.ccache/ccache.conf`:

```
## ~/.ccache/ccache.conf
##
max_size = 5.0G
# important for R CMD INSTALL *.tar.gz as tarballs are expanded freshly -> fresh ctime
sloppiness = include_file_ctime
# also important as the (temp.) directory name will differ
hash_dir = false
```