Devtools dependencies

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Package remotes

Devtools version 1.9 supports package dependency installation for packages not yet in a standard package repository such as [CRAN](#) or [Bioconductor](#).

You can mark any regular dependency defined in the `Depends`, `Imports`, `Suggests` or `Enhances` fields as being installed from a remote location by adding the remote location to `Remotes` in your `DESCRIPTION` file. This will cause devtools to download and install them prior to installing your package (so they won't be installed from CRAN).

The remote dependencies specified in `Remotes` should be described in the following form.

```
Remotes: [type::]<Repository>, [type2::]<Repository2>
```

The `type` is an optional parameter. If the type is missing the default is to install from GitHub. Additional remote dependencies should be separated by commas, just like normal dependencies elsewhere in the `DESCRIPTION` file.

Github

Because github is the most commonly used unofficial package distribution in R, it's the default:

```
Remotes: hadley/testthat
```

You can also specify a specific hash, tag, or pull request (using the same syntax as `install_github()` if you want a particular commit. Otherwise the latest commit on the master branch is used.

```
Remotes: hadley/httr@v0.4,
    klutometis/roxygen#142,
    hadley/testthat@c67018fa4970
```

A type of 'github' can be specified, but is not required

```
Remotes: github::hadley/ggplot2
```

Other sources

All of the currently supported install sources are available, see the 'See Also' section in `?install` for a complete list.

```
# Git
Remotes: git::https://github.com/hadley/ggplot2.git

# Bitbucket
Remotes: bitbucket::sulab/mygene.r@default, dannavarro/lsr-package

# Bioconductor
Remotes: bioc::3.3/SummarizedExperiment#117513, bioc::release/Biobase

# SVN
Remotes: svn::https://github.com/hadley/stringr

# URL
Remotes: url::https://github.com/hadley/stringr/archive/master.zip

# Local
Remotes: local::/pkgs/testthat

# Gitorious
Remotes: gitorious::r-mpc-package/r-mpc-package
```

CRAN submission

When you submit your package to CRAN, all of its dependencies must also be available on CRAN. For this reason, `release()` will warn you if you try to release a package with a `Remotes` field.