

# Overview of Utilities in the pkgmaker Package

Version 0.20

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## 1 Knitr hooks

### 1.1 hook\_try: showing error message in try statements

This hook aims at showing the error message generated by `try` blocks, which are otherwise not shown in the generated document.

#### Hook registration

```
library(knitr)
knit_hooks$set(try = pkgmaker::hook_try)
```

#### Usage

```
try(stop("this error will not appear in the document"))
```

Using chunk option `try = TRUE`, the error message is shown in the document:

```
txt <- "this error will be shown"
try(stop(txt))

## Error:  this error will be shown
```

Note that by default, the error message is not highlighted by `knitr` as an error but only as a normal message. This is because highlighting apparently relies on an actual error signal condition being raised, which in turn makes the package building process `R CMD build` fail. However, it is still possible to highlight the error when generating a document outside a package, by using the chunk option `try = FALSE`:

```
txt <- "this error will be shown"
try(stop(txt))

## Error:  this error will be shown
```

## 2 Session Info

- R Under development (unstable) (2014-03-02 r65102), x86\_64-unknown-linux-gnu
- Locale: LC\_CTYPE=en\_US.UTF-8, LC\_NUMERIC=C, LC\_TIME=en\_US.UTF-8, LC\_COLLATE=en\_US.UTF-8, LC\_MONETARY=en\_US.UTF-8, LC\_MESSAGES=en\_US.UTF-8, LC\_PAPER=en\_US.UTF-8, LC\_NAME=C, LC\_ADDRESS=C, LC\_TELEPHONE=C, LC\_MEASUREMENT=en\_US.UTF-8, LC\_IDENTIFICATION=C
- Base packages: base, datasets, graphics, grDevices, stats, utils
- Other packages: knitr 1.5, pkgmaker 0.20, registry 0.2
- Loaded via a namespace (and not attached): codetools 0.2-8, digest 0.6.4, evaluate 0.5.1, formatR 0.10, highr 0.3, methods 3.1.0, stringr 0.6.2, tools 3.1.0, xtable 1.7-1