

ADR Introduction

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This is a short description of the process to installing the ADR package to your R environment. As of yet, ADR is not available via CRAN, so the process must currently be done manually.

First, you have to download the ADR package tarball, which is available here: <https://r-adr.de/download/>.

Then you have to install the packages that ADR directly depends on. These are

- **uuid**
- **httr**

Install these by running the R command

```
install.packages(c('uuid', 'httr'))
```

Note that package **httr** depends on **curl** which in turn depends on the system library of curl being installed on your box. Hence the process may fail if that is not the case. Watch out for a message like this and install the adequate libcurl package for your system if needed.

```
----- ANTICONF ERROR -----  
Configuration failed because libcurl was not found. Try installing:  
* deb: libcurl4-openssl-dev (Debian, Ubuntu, etc)  
* rpm: libcurl-devel (Fedora, CentOS, RHEL)  
* csw: libcurl_dev (Solaris)
```

Then you can finally install the ADR package itself with this R command:

```
install.packages('~Downloads/adr_1.0.137.tar.gz')
```

Then you can load and test ADR. Try this sequence of commands:

```
myFunc <- function(x, y) 2 * x * y

a <- 12
b <- 4
z <- myFunc(a, b)

library('adr')
J <- adrDiffFor(myFunc, seed = 1, arguments = list(a, b))

## ADR: Post HTTR request for "r-ad-fm" to 'https://r-adr.de/adr/',
25 chars
## ADR: HTTR response after 0.685 s, 1032 chars
```