

# Package ‘rfoaas’

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**Type** Package

**Title** R Interface to 'FOAAS'

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**Description** R access to the 'FOAAS' (F... Off As A Service) web service is provided.

**URL** <https://github.com/eddelbuettel/rfoaas/>,  
<http://dirk.eddelbuettel.com/code/rfoaas.html>

**BugReports** <https://github.com/eddelbuettel/rfoaas/issues>

**License** GPL (>= 2)

**Imports** httr

**NeedsCompilation** no

**Repository** CRAN

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## R topics documented:

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**Description**

The FOAAS service is provided as a modern, RESTful, scalable solution. This package provides an R interface.

**Usage**

```
off(name, from, filter, language)
you(name, from, filter, language)
this(from, filter, language)
that(from, filter, language)
everything(from, filter, language)
everyone(from, filter, language)
donut(name, from, filter, language)
shakespeare(name, from, filter, language)
linus(name, from, filter, language)
king(name, from, filter, language)
pink(name, filter, language)
life(name, filter, language)
chainsaw(name, from, filter, language)
outside(name, from, filter, language)
thanks(from, filter, language)
fascinating(from, filter, language)
madison(name, from, filter, language)
cool(from, filter, language)
field(name, from, reference, filter, language)
nugget(name, from, filter, language)
yoda(name, from, filter, language)
ballmer(name, company, from, filter, language)
what(from, filter, language)
because(from, filter, language)
caniuse(tool, from, filter, language)
bye(from, filter, language)
diabetes(from, filter, language)
bus(from, filter, language)
xmas(name, from, filter, language)
awesome(from, filter, language)
tucker(from, filter, language)
bucket(from, filter, language)
bday(name, from, filter, language)
family_(from, filter, language)
shutup(name, from, filter, language)
zayn(from, filter, language)
keepcalm(reaction, from, filter, language)
```

```
dalton(name, from, filter, language)
dosomething(do, something, from, filter, language)
off_with(name, from, filter, language)
retard(from, filter, language)
thumbs(name, from, filter, language)
back(name, from, filter, language)
bm(name, from, filter, language)
gfy(name, from, filter, language)
greed(something, from, filter, language)
me(from, filter, language)
mornin(from, filter, language)
think(name, from, filter, language)
keep(name, from, filter, language)
single_(from, filter, language)
look(name, from, filter, language)
looking(from, filter, language)
no(from, filter, language)
give(from, filter, language)
zero(from, filter, language)
pulp(name, from, filter, language)
sake(from, filter, language)
anyway(name, from, filter, language)
maybe(from, filter, language)
blackadder(name, from, filter, language)
horse(from, filter, language)
deraadt(name, from, filter, language)
problem(name, from, filter, language)
cocksplat(name, from, filter, language)
too(from, filter, language)
thing(name, from, filter, language)
asshole(from, filter, language)
cup(from, filter, language)
fyyff(from, filter, language)
immensity(from, filter, language)
programmer(from, filter, language)
rtfm(from, filter, language)
thinking(name, from, filter, language)
bag(from, filter, language)
equity(name, from, filter, language)
fts(name, from, filter, language)
ing(name, from, filter, language)
particular(name, from, filter, language)
ridiculous(from, filter, language)
shit(from, filter, language)
even(from, filter, language)
fewer(name, from, filter, language)
ftfy(from, filter, language)
holygrail(from, filter, language)
```

```

idea(from, filter, language)
jinglebells(from, filter, language)
legend_(name, from, filter, language)
logs(from, filter, language)
ratsarse(from, filter, language)
rockstar(name, from, filter, language)
waste(name, from, filter, language)
absolutely(name, from, filter, language)
dense(from, filter, language)
dumbledore(from, filter, language)
lowpoly(from, filter, language)
understand(name, from, filter, language)
yeah(from, filter, language)

getRandomFO(name, from, filter, language)

version()
operations()

## S3 method for class 'rfoaas'
print(x, width = NULL, ...)

```

## Arguments

name	The name to whom the message is directed.
from	The name of the message requester. If omitted, the value of the (optional) global variable 'rfoaasFrom' is used, and if that variable is missing or unset, a default is filled-in based on the user name obtained via <a href="#">Sys.info</a> .
filter	An optional filter. If unset, the (optional) global variable 'rfoaasFilter' can provide a default, and a fallback value of 'none'. Currently the only other permitted value is 'shoutcloud' to enable filtering via the magnificent <a href="http://shoutcloud.io">http://shoutcloud.io</a> service.
language	An optional filter argument. If set, the message is internationalized to the given (optional) language stated as the the usual two-character code such as 'fr', 'de', 'es'.
reference	An additional referenced in the message.
company	A company referenced in the message.
tool	A company referenced in the message.
do	A activity referenced in the message.
something	An object referenced in the message.
reaction	An activity referenced in the message.
x	Default object for print method
width	Optional column width parameter
...	Other optional arguments

## Details

The `operations()` query returns a JSON object describing the current API. The `version()` function returns the current API version (as text). All other methods return the requested FOAAS message using the given arguments.

See <http://foaas.com> for complete service details at the current API level.

At present, only plain text requests are made and returned (with one exception being `operations()`, see above).

The `from` argument uses an internal helper function to supply a default value: either an R `options()` variable accessible via the key `rfoaasFrom`, or the value of `Sys.info()["user"]` as fallback.

The `filter` argument uses an internal helper function to supply a default value: either an R `options()` variable accessible via the key `rfoaasFilter`, or a default of 'none'. Currently, the only other permissible value is 'shoutcloud' to enable filtering via the magnificent <http://shoutcloud.io> service.

## Value

For all (but one) queries, a text string with the request FOAAS message is returned.

The exception is the very last query listed: `operations()` returns a JSON object describing all queries currently supported by the API, along with their (descriptive) name, the URL and the supported fields. As the return object is in JSON, one of the available JSON parsers implementing a `fromJSON()` method is recommended to convert it into a native R object.

Return values are set to the UTF-8 encoding as the FOAAS service defaults using UTF-8 strings. Anecdotally, this seems to help only on the Windows operating system as the other already handled UTF-8 correctly.

## Author(s)

Dirk Eddelbuettel

## Examples

```
## Not run:                                # as we need a network connection

## returns current API version
version()

## example 'madison' accessor in API
madison("Billy", "Eric")

## operations() returns JSON object listing the accessible functionality
if (require(jsonlite)) print(fromJSON(operations()))

## End(Not run)
```

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