

Package ‘sendmailR’

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Title send email using R

Description Package contains a simple SMTP client which provides a portable solution for sending email, including attachment, from within R.

Depends R (>= 3.0.0)

Imports base64enc

License GPL-2

LazyData yes

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R topics documented:

mime_part	2
mime_part.character	2
mime_part.data.frame	3
mime_part.default	3
mime_part.ggplot	4
mime_part.matrix	4
mime_part.trellis	5
sendmail	5
sendmail_options	6

Index	8
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mime_part	<i>Create a MIME part</i>
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Description

Create a MIME part

Usage

```
mime_part(x, name, ...)
```

Arguments

x	Object to include
name	Name of mime part. Usually the filename of the attachment as displayed by the e-mail client.
...	Possible further arguments for mime_part implementations.

Value

An S3 mime_part object.

mime_part.character	<i>Create a MIME part from a character string. If the string matches a filename, a MIME part containing that file is returned instead.</i>
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Description

Create a MIME part from a character string. If the string matches a filename, a MIME part containing that file is returned instead.

Usage

```
## S3 method for class 'character'
mime_part(x, name, ...)
```

Arguments

x	Character string, possibly a filename.
name	Name of attachment.
...	Ignored.

Value

An S3 mime_part object.

mime_part.data.frame *Create a MIME part from a data.frame.*

Description

Create a MIME part from a data.frame.

Usage

```
## S3 method for class 'data.frame'  
mime_part(x, name = deparse(substitute(x)), ...)
```

Arguments

x	A data.frame.
name	Basename of file attachment that is generated.
...	Ignored.

Value

An S3 mime_part object.

mime_part.default *Default MIME part method*

Description

Creates a string representation of the object x using dput. This representation is then turned into a file attachment.

Usage

```
## Default S3 method:  
mime_part(x, name, ...)
```

Arguments

x	R object
name	Filename used for attachment (sans the .R extension)
...	Ignored.

Value

An S3 mime_part object.

mime_part.ggplot	<i>Creates a MIME part from a ggplot2 plot object</i>
------------------	---

Description

Writes a PDF file of the plot defined by `x` and turns this PDF file into a file attachment.

Usage

```
## S3 method for class 'ggplot'
mime_part(x, name = deparse(substitute(x)), device = pdf,
  ...)
```

Arguments

<code>x</code>	A ggplot object
<code>name</code>	Name of attachment (sans .pdf extension).
<code>device</code>	Graphics device used to render the plot. Defaults to pdf.
<code>...</code>	Ignored.

Value

An S3 mime_part object.

mime_part.matrix	<i>Create a MIME part from a matrix.</i>
------------------	--

Description

Create a MIME part from a matrix.

Usage

```
## S3 method for class 'matrix'
mime_part(x, name = deparse(substitute(x)), ...)
```

Arguments

<code>x</code>	Matrix
<code>name</code>	Basename of file attachment that is generated.
<code>...</code>	Ignored.

Value

An S3 mime_part object

mime_part.trellis	<i>Creates a MIME part from a trellis plot object</i>
-------------------	---

Description

Writes a PDF file of the plot defined by `x` and turns this PDF file into a file attachment.

Usage

```
## S3 method for class 'trellis'
mime_part(x, name = deparse(substitute(x)), device = pdf,
  ...)
```

Arguments

<code>x</code>	A trellis (lattice) object
<code>name</code>	Name of attachment (sans .pdf extension).
<code>device</code>	Graphics device used to render the plot. Defaults to pdf.
<code>...</code>	Ignored.

Value

An S3 mime_part object.

sendmail	<i>Send mail from within R</i>
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Description

Simplistic sendmail utility for R. Uses SMTP to submit a message to a local SMTP server.

Usage

```
sendmail(from, to, subject, msg, cc, bcc, ..., headers = list(),
  control = list())
```

Arguments

<code>from</code>	From whom the mail message is (RFC2822 style address).
<code>to</code>	Recipient of the message (vector of valid RFC2822 style addresses).
<code>subject</code>	Subject line of message.
<code>msg</code>	Body text of message or a list containing mime_part objects.
<code>cc</code>	Carbon-copy recipients (vector of valid RFC2822 style addresses).

bcc	Blind carbon-copy recipients (vector of valid RFC2822 style addresses).
headers	Any other headers to include.
control	List of SMTP server settings. Valid values are the possible options for sendmail_options .
...	...

See Also

[mime_part](#) for a way to add attachments.

Examples

```
## Not run:
from <- sprintf("<sendmailR@\\%s>", Sys.info()[4])
to <- "<olafm@datensplitter.net>"
subject <- "Hello from R"
body <- list("It works!", mime_part(iris))
sendmail(from, to, subject, body,
         control=list(smtpServer="ASPMX.L.GOOGLE.COM"))

## End(Not run)
```

sendmail_options *Set package specific options.*

Description

Specify global sendmail options so that subsequent calls to `sendmail()` do not have to set them in the control argument.

Usage

```
sendmail_options(...)
```

```
sendmailOptions(...)
```

Arguments

... Any options can be defined, using name=value or by passing a list of such tagged values. However, only the ones below are used in base sendmailR.

Details

List of options:

- `smtpServerSMTP` server to contact. This can either be the mail server responsible for the destination addresses domain or a smarthost provided by your ISP or institution. SMTP AUTH is currently unsupported.
- `smtpPortSMTP` port to use. Usually 25 but some institutions require the use of the submission service (port 587).
- `verboseShow` detailed information about message submission. Useful for debugging.

Value

For `sendmail_options()`, a list of all set options sorted by name. For `sendmail_options(name)`, a list of length one containing the set value, or 'NULL' if it is unset. For uses setting one or more options, a list with the previous values of the options changed (returned invisibly).

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Index

*Topic **utilities**

sendmail, [5](#)

mime_part, [2](#), [5](#), [6](#)

mime_part.character, [2](#)

mime_part.data.frame, [3](#)

mime_part.default, [3](#)

mime_part.ggplot, [4](#)

mime_part.matrix, [4](#)

mime_part.trellis, [5](#)

sendmail, [5](#)

sendmail_options, [6](#), [6](#)

sendmailOptions (sendmail_options), [6](#)