

Package ‘sendmailR’

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Title send email using R

LazyData yes

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

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Depends R (>= 2.11.0), base64

Collate ‘mime_part.R’ ‘options.R’ ‘sendmailR.r’

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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.</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...*

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

Default MIME part method

Usage

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

Arguments

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

Details

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

Value

An S3 mime_part object.

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

Creates a MIME part from a ggplot2 plot object

Usage

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

Arguments

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

Details

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

Value

An S3 mime_part object.

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

Create a MIME part from a matrix.

Usage

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

Arguments

x	Matrix
name	Basename of file attachment that is generated.
...	Ignored.

Value

An S3 mime_part object

mime_part.trellis *Creates a MIME part from a trellis plot object...*

Description

Creates a MIME part from a trellis plot object

Usage

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

Arguments

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

Details

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

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, ..., headers=list(), control=list())
```

Arguments

from	From whom the mail message is (RFC2822 style address).
to	Recipient of the message (valid RFC2822 style address).
subject	Subject line of message.
msg	Body text of message or a list containing mime_part objects.
...	...
headers	Any other headers to include.
control	List of SMTP server settings. Valid values are the possible options for sendmail_options .

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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

sendmail_options: 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

sendmail_options: 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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