Package 'sendmailR'

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Version 1.2-1.1

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

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NeedsCompilation no

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R topics documented:

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mime_part   *Create a MIME part*

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.

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

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.

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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	*Creates a MIME part from a ggplot2 plot object*

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

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

Value

An S3 mime_part object.

---

mime_part.matrix	*Create a MIME part from a matrix.*

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

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

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

Value

An S3 mime_part object.

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sendmail   *Send mail from within R*

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

from	From whom the mail message is (RFC2822 style address).
to	Recipient of the message (vector of valid RFC2822 style addresses).
subject	Subject line of message.
msg	Body text of message or a list containing mime_part objects.
cc	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)
```

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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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