Package ‘emayili’

March 8, 2020

Type Package
Title Send Email Messages
Version 0.3.9
Description A light, simple tool for sending emails with minimal dependencies.

URL https://datawookie.github.io/emayili/
BugReports https://github.com/datawookie/emayili/issues
License GPL-3
Imports base64enc, curl, glue, httr, magrittr, mime, stringi
Suggests testthat (>= 2.1.0), roxygen2
Encoding UTF-8
LazyData true

Author Andrew B. Collier [aut, cre],
Gerard Walsh [ctb],
Antoine Bichat [ctb] (<https://orcid.org/0000-0001-6599-7081>),
Daniel Fahey [ctb],
Johann R. Kleinbub [ctb],
Panagiotis Moulos [ctb]

Maintainer Andrew B. Collier <andrew@exegetic.biz>

Repository CRAN

Date/Publication 2020-03-07 23:10:02 UTC

R topics documented:

attachment ................................................. 2
bcc ......................................................... 3
cc ........................................................... 4
envelope ................................................... 4
format.mime ............................................. 5
Add attachments to a message object

Description

Add attachments to a message object

Usage

attachment(msg, path, type = NA, cid = NA, disposition = NA)

Arguments

msg A message object.
path Path to file.
type MIME type or NA, which will result in a guess based on file extension.
cid Content-ID or NA.
disposition Should the content be displayed inline or as an attachment?

Value

A message object.

Examples

library(magrittr)

path_mtcars <- tempfile(fileext = "csv")
path_cats <- tempfile(fileext = "jpg")
path_scatter <- tempfile(fileext = "png")
write.csv(mtcars, path_mtcars)

png(path_scatter)
plot(1:10)
dev.off()

msg <- envelope() %>%
  attachment(path_mtcars) %>%
  attachment(path_cats, type = "image/jpeg") %>%
  attachment(path_scatter, cid = "scatter")

file.remove(path_cats, path_scatter, path_mtcars)

---

### bcc

**Add Bcc field to message**

<table>
<thead>
<tr>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Add Bcc field to message</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Usage</th>
</tr>
</thead>
<tbody>
<tr>
<td>bcc(msg, ...)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Arguments</th>
</tr>
</thead>
<tbody>
<tr>
<td>msg</td>
</tr>
<tr>
<td>...</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>A message object.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>See Also</th>
</tr>
</thead>
<tbody>
<tr>
<td>subject, from, to, cc and reply</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Examples</th>
</tr>
</thead>
</table>
| msg <- envelope()
  bcc(msg, "bob@gmail.com", "alice@yahoo.com")
  bcc(msg, c("bob@gmail.com", "alice@yahoo.com")) |
**cc**  
*Add Cc field to message*

**Description**
Add Cc field to message

**Usage**
```r
cc(msg, ...)
```

**Arguments**
- `msg` A message object.
- `...` Email addresses.

**Value**
A message object.

**See Also**
`subject`, `from`, `to`, `bcc` and `reply`

**Examples**
```r
msg <- envelope()
cc(msg, "bob@gmail.com", "alice@yahoo.com")
cc(msg, c("bob@gmail.com", "alice@yahoo.com"))
```

---

**envelope**  
*Create a message.*

**Description**
Create a message.

**Usage**
```r
envelope()
```

**Value**
A message object.
format.mime

See Also

subject, from, to, cc, bcc and reply

Examples

# Create an (empty) message object.
msg <- envelope()

format.mime

Format the header of a MIME object.

Description


Usage

## S3 method for class 'mime'
format(msg)

Arguments

msg A message object.

Value

A formatted header string.

def from

Add From field to message

Description

Add From field to message

Usage

from(msg, from = NULL)

Arguments

msg A message object.
from Email address.
Value

A message object.

See Also

subject, to, cc, bcc and reply

Examples

```r
msg <- envelope()
from(msg, "craig@gmail.com")
```

---

header

Create formatted header.

---

Description

Create formatted header.

Usage

```r
header(msg)
```

Arguments

msg A message object.

Value

A message header.

---

html

Add an HTML body to a message object.

Description

Add an HTML body to a message object.

Usage

```r
html(
  msg,
  content,
  disposition = "inline",
  charset = "utf-8",
  encoding = "quoted-printable"
)
```
message

Arguments

msg A message object.
content A string of message content.
disposition How content is presented (Content-Disposition).
charset How content is encoded.
encoding How content is transformed to ASCII (Content-Transfer-Encoding).

Value

A message object.

See Also

text

Examples

library(magrittr)

msg <- envelope() %>% html("<b>Hello!</b>")
mime

Create a MIME (Multipurpose Internet Mail Extensions) object.

Description

Create a MIME (Multipurpose Internet Mail Extensions) object.

Usage

mime(content_type, content_disposition, charset, encoding, cid = NA, ...)

Arguments

content_type The MIME type of the content.
content_disposition Should the content be displayed inline or as an attachment?
charset How to interpret the characters in the content. Most often either UTF-8 or ISO-8859-1.
encoding How to encode binary data to ASCII.
cid An optional Content-Id.
... Other arguments.

Value

A MIME object.

qp_decode

Decode a quoted-printable string.

Description

Decode a quoted-printable string.

Usage

qp_decode(x)

Arguments

x A vector of strings.

Value

A vector of decoded strings.
qp_encode

Encode a string to quoted-printable.

**Description**

Encode a string to quoted-printable.

**Usage**

```r
qp_encode(x)
```

**Arguments**

- `x` A vector of strings.

**Value**

A vector of encoded strings.

---

reply

Add Reply-To field to message

**Description**

Add Reply-To field to message

**Usage**

```r
reply(msg, reply_to = NULL)
```

**Arguments**

- `msg` A message object.
- `reply_to` Email address.

**Value**

A message object.

**See Also**

subject, from, to, cc and bcc

**Examples**

```r
msg <- envelope()
reply(msg, "gerry@gmail.com")
```
server

Create a SMTP server object.

Description

Create a SMTP server object.

Usage

server(host, port = 25, username = NULL, password = NULL, insecure = FALSE)

Arguments

host
DNS name or IP address of the SMTP server.

port
Port that the SMTP server is listening on.

username
Username for SMTP server.

password
Password for SMTP server.

insecure
Whether to ignore SSL issues.

Value

A function which is used to send messages to the server.

Examples

library(magrittr)

# Set parameters for SMTP server (with username and password)
smtmp <- server(host = "smtp.gmail.com",
                 port = 465,
                 username = "bob@gmail.com",
                 password = "bd40ef6d4a9413de9c1318a65cbae5d7")

# Set parameters for a (fake) testing SMTP server.
#
# More information about this service can be found at https://www.smtpbucket.com/.
#
smtmp <- server(host = "mail.smtpbucket.com",
                 port = 8025)

# Create a message
msg <- envelope() %>%
     from("bob@gmail.com") %>%
     to("alice@yahoo.com")

# Send message (verbose output from interactions with server)
## Not run:
smtmp(msg, verbose = TRUE)
subject

## End(Not run)

# To confirm that the message was sent, go to https://www.smtpbucket.com/ then:
# - fill in "bob@gmail.com" for the Sender field and
# - fill in "alice@yahoo.com" for the Recipient field then
# - press the Search button.

---

subject Add or query subject of message.

Description

Add or query subject of message.

Usage

subject(msg, subject = NULL)

Arguments

msg A message object.
subject A subject for the message.

Value

A message object or the subject of the message object (if subject is NULL).

See Also
to, from, cc, bcc and reply

Examples

library(magrittr)

# Create a message and set the subject
msg <- envelope() %>% subject("Updated report")

# Retrieve the subject for a message
subject(msg)
text

Add a text body to a message.

Description

Add a text body to a message.

Usage

```r
text(
  msg,  
  content,  
  disposition = "inline",  
  charset = "utf-8",  
  encoding = "7bit"
)
```

Arguments

- `msg` A message object.
- `content` A string of message content.
- `disposition` How content is presented (Content-Disposition).
- `charset` How content is encoded.
- `encoding` How content is transformed to ASCII (Content-Transfer-Encoding).

Value

A message object.

See Also

`html`

Examples

```r
library(magrittr)

msg <- envelope() %>% text("Hello!")
```
Description

Add To field to message

Usage

to(msg, ...)

Arguments

  msg     A message object.
  ...     Email addresses.

Value

A message object.

See Also

subject, from, cc, bcc and reply

Examples

msg <- envelope()
to(msg, "bob@gmail.com", "alice@yahoo.com")
to(msg, c("bob@gmail.com", "alice@yahoo.com"))
Index

attachment, 2
bcc, 3, 4–6, 9, 11, 13
cc, 3, 4, 5, 6, 9, 11, 13
envelope, 4
format.mime, 5
from, 3–5, 5, 9, 11, 13
header, 6
html, 6, 12
message, 7
mime, 8
qp_decode, 8
qp_encode, 9
reply, 3–6, 9, 11, 13
server, 10
subject, 3–6, 9, 11, 13
text, 7, 12
to, 3–6, 9, 11, 13