Package 'sendgridr'

November 6, 2022

Title Mail Sender Using 'Sendgrid' Service

Version 0.6.1

Description Send email using 'Sendgrid' <https://sendgrid.com/>
    mail API(v3) <https://docs.sendgrid.com/api-reference/
    how-to-use-the-sendgrid-v3-api/authentication>.

License MIT + file LICENSE

URL https://github.com/mrchypark/sendgridr

BugReports https://github.com/mrchypark/sendgridr/issues

Imports magrittr, httr, jsonlite, usethis, cli, base64enc, emayili (>=
    0.7), keyring

Encoding UTF-8

RoxygenNote 7.2.1

Depends R (>= 3.4)

Suggests covr, testthat

NeedsCompilation no

Author Chanyub Park [aut, cre] (<https://orcid.org/0000-0001-6474-2570>)

Maintainer Chanyub Park <mrchypark@gmail.com>

Repository CRAN

Date/Publication 2022-11-06 19:00:02 UTC

R topics documented:

Index   **11**

---

address	*set address to sg_mail class*

Description

to(), cc(), bcc() is for set email address to sg_mail class

Usage

```
to(sg_mail, email, name = "")

cc(sg_mail, email, name = "")

bcc(sg_mail, email, name = "")
```

Arguments

sg_mail	(required)mail object from package
email	(required)email address
name	(optional)name for email address.

Value

sg_mail class with mail address.

Examples

```
mail() %>%
  to("mrchypark@gmail.com")

mail() %>%
  cc("mrchypark@gmail.com")

mail() %>%
  bcc("mrchypark@gmail.com")
```

---

attachments   *attachments*

Description

attachments

Usage

```
attachments(sg_mail, path, name, content_id)
```

Arguments

sg_mail	(required)mail object from package
path	(required)file path to attach
name	file name. default is path's file name
content_id	content id. default is Null.

Value

sg_mail class with attachments.

Examples

```
path <- system.file("extdata", "test.Rmd", package = "sendgridr")
mail() %>%
  attachments(path)
```

---

auth_check   *Check API key for auth.*

Description

Check API key for auth.

Usage

```
auth_check()
```

Value

TRUE/FALSE check work fine return TRUE.

---

auth_set	*Set API key for auth.*

Description

Set API key for auth.

Usage

```
auth_set(apikey)
```

Arguments

apikey	sendgrid api key. If key has value, just use as api key. If without param, function call interactive prompt input.

Value

None

---

body	*body*

Description

body

Usage

```
body(sg_mail, body, type = "text/html")
```

Arguments

sg_mail	(required)mail object from package
body	(required)mail content html support.
type	content type. text/html is default.

Value

sg_mail class with body content.

Examples

```
mail() %>%
  body("mrchypark@gmail.com")
```

---

dynamic_template *Add dynamic template*

Description

Create dynamic templates at `https://mc.sendgrid.com/dynamic-templates`.

Usage

```
dynamic_template(sg_mail, template_id, template_data, force = FALSE)
```

Arguments

`sg_mail`	(required) mail object from package
`template_id`	(required) template_id start "d-" and 32-length only digit and lower case alphabet like "d-4ad23ad40a0e47d0a0232b85f24ca5c2"
`template_data`	A key-value list for template data. (See `https://docs.sendgrid.com/ui/sending-email/how-to-send-an-email-with-dynamic-templates`)
`force`	pass template_id validation. default is FALSE.

Value

sg_mail class with dynamic template

Examples

```
mail() %>%
 dynamic_template("d-4ad23ad40a0e47d0a0232b85f24ca5c2", list(first_name = "Amanda", link = "foo"))

mail() %>%
  dynamic_template(template_id = "foo",
    template_data = list(first_name = "Amanda", link = "foo"),
    force = TRUE)
```

---

dynamic_template_data *Add dynamic template data*

Description

`template_id` must be included for this data to be applied.

Usage

```
dynamic_template_data(sg_mail, data)
```

Arguments

`sg_mail`	(required) mail object from package
`data`	A key-value list for template data. (See https://docs.sendgrid.com/ui/sending-email/how-to-send-an-email-with-dynamic-templates)

Value

sg_mail class with template data for dynamic transactional templates

Examples

```
data_lst <-
  list(
    first_name = "Amanda",
    link = "foo"
  )

mail() %>%
  template_id("d-4ad23ad40a0e47d0a0232b85f24ca5c2")%>%
  dynamic_template_data(data_lst)
```

`embed_rmd`	*Embeding Rmd on body with images.*

Description

Embeding Rmd on body with images.

Usage

```
embed_rmd(sg_mail, input, ...)
```

Arguments

`sg_mail`	(required) mail object from package
`input`	(required) input file path to render for email.
`...`	extra params pass to emayili::render() function.

Examples

```
path <- system.file("extdata", "test.Rmd", package = "sendgridr")
mail() %>%
 embed_rmd(path)
```

from	*from*

Description

from

Usage

```
from(sg_mail, email, name = "")
```

Arguments

sg_mail	(required)mail object from package
email	(required)email address
name	name for email address

Value

sg_mail class with from mail address.

Examples

```
mail() %>%
  from("mrchypark@gmail.com")
```

mail	*Set mail class for Sendgrid*

Description

New mail class for sendgrid.

Usage

```
mail()
```

Value

sg_mail class.

Examples

```
mail()
```

---

print.sg_mail   *Print for sg_mail class*

Description

Print for sg_mail class

Usage

```
## S3 method for class 'sg_mail'
print(x, ...)
```

Arguments

x	sg_mail class object
...	pass for default print. But not use in sg_mail class.

---

send   *send mail*

Description

Send mail with mail content.

Usage

```
send(mail)
```

Arguments

mail	mail object

Value

list if success, success message. and error, please check https://docs.sendgrid.com/api-reference/
how-to-use-the-sendgrid-v3-api/authentication.

Examples

```
## Not run:

data_lst <-
  list(
    total = "$239.85",
    name = "Sample Name"
  )
```

```
mail() %>%
  from("example1@mail.com", "example name for display") %>%
  to("example2@mail.com", "example name for display 2") %>%
  dynamic_template_data(data_lst) %>%
  template_id(template_id) %>%
  subject("test mail title") %>%
  body("hello world!") %>%
  ## attachments is optional
  attachments("report.html") %>%
  send()

## End(Not run)
```

subject	*subject*

Description

subject

Usage

```
subject(sg_mail, subject)
```

Arguments

sg_mail	(required)mail object from package
subject	(required)mail subject

Value

sg_mail class with subject.

Examples

```
mail() %>%
  subject("mrchypark@gmail.com")
```

---

template_id   *template id*

Description

Create dynamic templates at <https://mc.sendgrid.com/dynamic-templates>

Usage

```
template_id(sg_mail, template_id, force = FALSE)
```

Arguments

`sg_mail`	(required) mail object from package
`template_id`	(required) template_id start "d-" and 32-length only digit and lower case alphabet like "d-4ad23ad40a0e47d0a0232b85f24ca5c2"
`force`	pass template_id validation. default is FALSE.

Value

sg_mail class with template id.

Examples

```
mail()%>%
  template_id("d-4ad23ad40a0e47d0a0232b85f24ca5c2")

mail() %>%
  template_id("foo", force = TRUE)
```

Index