

Package ‘sendgridr’

December 19, 2021

Title Mail Sender Using 'Sendgrid' Service

Version 0.4.3

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](https://docs.sendgrid.com/api-reference/how-to-use-the-sendgrid-v3-api/authentication)>.

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

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

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

Encoding UTF-8

RoxygenNote 7.1.1

Depends R (>= 3.4)

Suggests covr, testthat

NeedsCompilation no

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address	<i>set address to sg_mail class</i>
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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 SENDGRID_API env value is set. If any value from SENDGRID_API detected, return TRUE. Function works using auth_check_zero(), auth_check_dummy(), auth_check_work().

Usage

auth_check()

Value

TRUE/FALSE check work fine return TRUE.

auth_set	<i>Set API key for auth.</i>
----------	------------------------------

Description

If run code, open .Renviron file for set api key.

Usage

```
auth_set(force = FALSE)
```

Arguments

force force set api key process. default is FALSE.

Value

None

body	<i>body</i>
------	-------------

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 alpha-bet 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-transactional-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-transactional-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	<i>Embedding Rmd on body with images.</i>
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Description

Embedding 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	<i>from</i>
------	-------------

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	<i>Set mail class for Sendgrid</i>
------	------------------------------------

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

<code>x</code>	sg_mail class object
<code>...</code>	pass for default print. But not use in sg_mail class.

`send` *send mail*

Description

Send mail with mail content.

Usage

```
send(mail)
```

Arguments

<code>mail</code>	mail object
-------------------	-------------

Value

[list](https://docs.sendgrid.com/api-reference/how-to-use-the-sendgrid-v3-api/authentication) 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	<i>subject</i>
---------	----------------

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	<i>template id</i>
-------------	--------------------

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 alpha-bet 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)
```

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