

# Package: sendgridr (via r-universe)

August 12, 2024

**Title** Mail Sender Using 'Sendgrid' Service  
**Version** 0.6.2  
**Description** Send email using 'Sendgrid' <<https://sendgrid.com/en-us>>  
mail API(v3)  
<<https://docs.sendgrid.com/api-reference/how-to-use-the-sendgrid-v3-api/authentication>>.  
**License** MIT + file LICENSE  
**URL** <https://mrchypark.github.io/sendgridr/>,  
<https://github.com/mrchypark/sendgridr>  
**BugReports** <https://github.com/mrchypark/sendgridr/issues>  
**Imports** magrittr, httr, jsonlite, usethis, cli, base64enc, emayili (>= 0.7), keyring  
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**Depends** R (>= 3.4)  
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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")
```

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attachments	<i>attachments</i>
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### 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)
```

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auth_check	<i>Check API key for auth.</i>
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### Description

Check API key for auth.

### Usage

```
auth_check()
```

### Value

TRUE/FALSE check work fine return TRUE.

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auth_set	<i>Set API key for auth.</i>
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**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.
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**Value**

None

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body	<i>body</i>
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**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")
```

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dynamic_template	<i>Add dynamic template</i>
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---

### 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 <a href="https://docs.sendgrid.com/ui/sending-email/how-to-send-an-email-with-dynamic-templates">https://docs.sendgrid.com/ui/sending-email/how-to-send-an-email-with-dynamic-templates</a> )
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	<i>Add dynamic template data</i>
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### 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)
```

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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)
```

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

**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")
```

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mail	<i>Set mail class for Sendgrid</i>
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**Description**

New mail class for sendgrid.

**Usage**

```
mail()
```

**Value**

sg\_mail class.

**Examples**

```
mail()
```

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<code>print.sg_mail</code>	<i>Print for sg_mail class</i>
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### 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.

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<code>send</code>	<i>send mail</i>
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### Description

Send mail with mail content.

### Usage

```
send(mail)
```

### Arguments

<code>mail</code>	mail object
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### 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)
```

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subject	<i>subject</i>
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**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>
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---

**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)
```

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