

# Package ‘teamr’

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**Title** Send Formatted Messages, Images and Objects to Microsoft 'Teams'

**Version** 0.0.1

**URL** <https://github.com/wwwjk366/teamr>

**BugReports** <https://github.com/wwwjk366/teamr/issues>

**Description** Package of wrapper functions using R6 class to send requests to Microsoft 'Teams' <<https://products.office.com/en-us/microsoft-teams/group-chat-software>> through webhooks.

When you need to share information or data from R to 'Teams', rather than copying/pasting, you can use this package to send well-formatted output from multiple R objects.

**License** MIT + file LICENSE

**Encoding** UTF-8

**LazyData** true

**Imports** httr, jsonlite, R6

**RoxygenNote** 6.1.1

**NeedsCompilation** no

**Author** Michael Yan [aut, cre] (<<https://orcid.org/0000-0002-3845-0934>>)

**Maintainer** Michael Yan <[tanbingy@gmail.com](mailto:tanbingy@gmail.com)>

**Repository** CRAN

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## R topics documented:

action_card . . . . .	2
card_section . . . . .	3
connector_card . . . . .	4

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action\_card      *Create a action\_card Structure With teamr*

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### Description

action\_card creates a potentialAction object which can be added to connector\_card.

### Usage

```
# ac <- action_card$new(type = "ActionCard", name = "Add comment")
```

### Format

An R6Class generator object

### Details

Assemble action\_card objects into a action\_card structure and use the methods to append, modify or send your card to the webhook specified.

### Methods

```
action_card$new(type, name)    Creates a new action_card.
add_text_inputs(id, title, is_multiline)    Add TextInput to your action_card.
add_date_inputs(id, title)    Add DateInput to your action_card.
add_mchoice_inputs(id, title, is_multi_select)    Add MultichoiceInput to your action_card.
dump()    Dump current payload
```

### Properties

payload R list of payloads(will be parsed into json)POST

### Examples

```
## Not run:
library(teamr)

cc <- connector_card$new(hookurl = "https://outlook.office.com/webhook/...")
cc$text("Of on affixed civilly moments promise explain")
pa <- action_card$new(type = "ActionCard", name = "Add comment")
pa$add_actions()
pa$add_text_inputs(id = "comment", title = "Add comment for this task", is_multi_line = TRUE)
cc$add_potential_action(pa)
cc$send()

## End(Not run)
```

---

card\_section      *Create a card\_section Structure With teamr*

---

## Description

card\_section creates an Section object which can be added to connector\_card.

## Usage

```
# sec <- card_section$new()
```

## Format

An R6Class generator object

## Details

Assemble card\_section objects into a action\_card structure and use the methods to append, modify or send your card to the webhook specified.

## Methods

```
card_section$new()    Creates a new card_section.  
text(sec_text)        Change the text field of the section.  
title(sec_title)      Change the title field of the section.  
activity_title(sec_activity_title)    Change the title field of the section.  
activity_sub_title(sec_activity_subtitle)    Change the subtitle field of the section.  
activity_image(sec_activity_image)    Change the image field of the section.  
activity_text(sec_activitiy_text)    Change the text field of the section.  
add_fact(fname, fvalue)    Add fact object to section.  
add_link_button(btext, burl)    Add button with links.  
add_image(sec_image, sec_title)    Change webhook address.  
print()    Print out the current payload.  
dump()    Dump current payload.
```

## Properties

payload R list of payloads(will be parsed into json)POST

**Examples**

```
## Not run:
library(teamr)

cc <- connector_card$new(hookurl = "https://outlook.office.com/webhook/...")
cc$text("Of on affixed civilly moments promise explain")
sec$text("2018-19 Finals MVP")
sec$activity_sub_title("Kawhi Leonard")
sec$add_fact("Position", "Forward")
sec$title("Player Info")
sec$add_image(sec_image = "https://....jpg", sec_title = "so funny")
sec$activity_image("https://....jpg")
sec$activity_title("Activity Title")
sec$activity_sub_title("Activity Subtitle")
sec$activity_text("Activity text")
cc$add_section(new_section = sec)
cc$print()
cc$send()

## End(Not run)
```

---

connector\_card      *Create a connector\_card Structure With teamr*

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**Description**

connector\_card is at the very heart of the teamr package.

**Usage**

```
# cc <- connector_card$new("https://outlook.office.com.....")
```

**Format**

An R6Class generator object

**Details**

Assemble connector\_card objects into a connector\_card structure and use the methods to append, modify or send your card to the webhook specified.

**Methods**

```
connector_card$new(hookurl, proxies, http_timeout)    Creates a new connector_card.
text(mtext)    Change the text field of the card
title(mtitle)    Change the title field of the card
summary(msummary)    Change the summary field of the card.
```

color(mcolor) Change the default theme color.  
add\_link\_button(btext, burl) Add button with links.  
newhook(nurl) Change webhook address.  
print() Print out the current hookurl and payload  
send() Send connector\_card to specified Microsoft Teams incoming webhook URL.

### Properties

hookurl Microsoft Teams incoming webhooks url.  
payload R list of payloads(will be parsed into json)POST  
proxies Proxy objects from use\_proxy  
http\_timeout Timeout of the HTTP request. Default to 3 seconds.timeout

### Examples

```
## Not run:  
library(teamr)  
  
cc <- connector_card$new(hookurl = "https://outlook.office.com/webhook/...")  
#' cc$text("Of on affixed civilly moments promise explain")  
cc$title("This is a title")  
cc$summary("This is a summary")  
cc$add_link_button("This is the button Text", "https://github.com/wwwjk366/teamr")  
cc$color("#008000")  
cc$print()  
cc$send()  
  
## End(Not run)
```