

Package ‘evolution’

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Type Package

Title A Client for 'Evolution Cloud API'

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Description Provides an 'R' interface to the 'Evolution API' <<https://evoapicloud.com>>, enabling sending and receiving 'WhatsApp' messages directly from 'R'. Functions include sending text, images, documents, stickers, geographic locations, and interactive messages (lists). Also includes 'webhook' parsing utilities and channel health checks.

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URL <https://github.com/StrategicProjects/evolution/>

BugReports <https://github.com/StrategicProjects/evolution/issues/>

Depends R (>= 4.2.0)

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Index**12****evo_client***Create an Evolution API client***Description**

Creates a preconfigured **httr2** client to call Evolution API v2. It sets the `apikey` header, a custom User-Agent and basic automatic retries.

Usage

```
evo_client(base_url, api_key, instance)
```

Arguments

<code>base_url</code>	Character. Server base URL (no trailing slash), e.g. "https://your-host".
<code>api_key</code>	Character. API key (sent as <code>apikey</code> header).
<code>instance</code>	Character. Instance name/ID used in endpoint paths.

Value

An object of class `evo_client` with fields `req` (httr2 request) and `instance`.

Examples

```
## Not run:
client <- evo_client("https://evolution_api_host", "KEY", "chatArgus")

## End(Not run)
```

jid	<i>Build a WhatsApp JID from a raw number</i>
-----	---

Description

Normalizes a raw number (remove espaces, -, (,)) and add @s.whatsapp.net.

Usage

```
jid(number)
```

Arguments

number	Character. raw number (eg., "+5581999...").
--------	---

Value

Character JID.

Examples

```
jid("+5581999...")
```

send_buttons	<i>Send Buttons</i>
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Description

Send Buttons

Usage

```
send_buttons(  
    client,  
    number,  
    title,  
    description,  
    footer,  
    buttons,  
    delay = NULL,  
    link_preview = NULL,  
    mentions_everyone = NULL,  
    verbose = FALSE  
)
```

Arguments

client	An evo_client() object.
number	Character. Recipient in E.164 format (e.g., "+5581999...").
title, description, footer	Character.
buttons	List of buttons (see API docs).
delay	Integer (ms). Optional presence delay before sending.
link_preview	Logical. Enable URL link preview.
mentions_everyone	Logical. Mention everyone (if applicable).
verbose	Logical. If TRUE, logs request/response details.

Details

Buttons may be discontinued on Baileys mode; supported on Cloud API.

Value

A named list parsed from the Evolution API JSON response, with metadata describing the button message (IDs, timestamps, queue details, and button structure as accepted by the server). Note: Buttons may be discontinued on Baileys mode; supported on Cloud API. The HTTP status code is stored in `attr(result, "http_status")`. This output reflects the server acknowledgement of the button message send.

send_contact	<i>Send a WhatsApp contact (auto-generate wuid as @s.whatsapp.net)</i>
--------------	--

Description

Sends one or more contacts following the Evolution API v2 format. Automatically generates the wuid field as <digits>@s.whatsapp.net from each contact's phone number (or from number if not provided).

Usage

```
send_contact(client, number, contact, verbose = FALSE)
```

Arguments

client	An evo_client() object.
number	Recipient number (E.164, e.g. "+55819...").
contact	Either: <ul style="list-style-type: none"> • a named list with fields <code>fullName</code>, <code>phoneNumber</code>, <code>organization</code>, <code>email</code>, <code>url</code>; or • a list of such lists (to send multiple contacts). The <code>wuid</code> field will be auto-generated if missing.
verbose	Logical; if TRUE, shows detailed logs (cli + httr2 verbose).

Value

Parsed JSON response as list (see [.evo_post\(\)](#) for details).

Examples

```
## Not run:  
send_contact(  
  client,  
  number = "+55819...",  
  contact = list(  
    fullName = "Your Name",  
    phoneNumber = "+55819...",  
    organization = "Company Name",  
    email = "andre@example.com",  
    url = "https://company_site.tec.br"  
,  
  verbose = TRUE  
)  
  
## End(Not run)
```

send_location	<i>Send a location</i>
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Description

Send a location

Usage

```
send_location(  
  client,  
  number,  
  latitude,  
  longitude,  
  name = NULL,  
  address = NULL,  
  verbose = FALSE  
)
```

Arguments

client	An evo_client() object.
number	Character. Recipient in E.164 format (e.g., "+5581999...").
latitude, longitude	Numeric coordinates.
name, address	Optional character (label/description).
verbose	Logical. If TRUE, logs request/response details.

Value

A named list parsed from the JSON output of Evolution API, describing the location message sent (message ID, queue info, timestamps, etc.). The HTTP status code is stored in attr(result, "http_status"). This return value is the official server acknowledgement of the location dispatch.

send_media

*Send media (image, video, document) - robust for base64***Description**

Send media (image, video, document) - robust for base64

Usage

```
send_media(
    client,
    number,
    mediatype,
    mimetype,
    caption = NULL,
    media,
    file_name,
    delay = NULL,
    link_preview = NULL,
    verbose = FALSE
)
```

Arguments

client	An evo_client() object.
number	Character. Recipient in E.164 format (e.g., "+5581999...").
mediatype	One of "image", "video", "document".
mimetype	e.g., "image/png", "video/mp4", "application/pdf".
caption	Caption text (optional).
media	Can be: (a) HTTP/HTTPS URL; (b) raw base64 (no prefix); (c) base64 in the format data:/*;base64,<...>; (d) local file path.
file_name	Suggested filename (consistent with the mimetype).
delay	Integer (ms). Optional presence delay before sending.
link_preview	Logical. Enable URL link preview.
verbose	Detailed log output (cli + req_verbose()).

Value

A named list parsed from the Evolution API JSON response. The list typically contains message metadata (IDs, timestamps, queue info), and any additional fields defined by the API for media messages. The HTTP status code is stored in `attr(result, "http_status")`. This return value represents the server acknowledgement of the media upload/send.

`send_poll`*Send a poll*

Description

Send a poll

Usage

```
send_poll(client, number, name, values, selectable_count = 1L, verbose = FALSE)
```

Arguments

<code>client</code>	An evo_client() object.
<code>number</code>	Character. Recipient in E.164 format (e.g., "+5581999...").
<code>name</code>	Question text.
<code>values</code>	Character vector of options.
<code>selectable_count</code>	Integer (# options a user can select).
<code>verbose</code>	Logical. If TRUE, logs request/response details.

Value

A named list parsed from the JSON response issued by Evolution API, including fields describing the created poll message (ID, timestamp, poll options, metadata). The HTTP status code is stored in `attr(result, "http_status")`. This output represents the API confirmation that the poll was created and dispatched.

<code>send_reaction</code>	<i>React to a message</i>
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Description

React to a message

Usage

```
send_reaction(client, key, reaction, verbose = FALSE)
```

Arguments

<code>client</code>	An evo_client() object.
<code>key</code>	List with <code>remoteJid</code> , <code>fromMe</code> , <code>id</code> of the target message.
<code>reaction</code>	Emoji like "\xF0\x9F\x98\x81".
<code>verbose</code>	Logical. If TRUE, logs request/response details.

Value

A named list parsed from the JSON response of the Evolution API. Typical fields include message identifiers and acknowledgement metadata. The HTTP status code is stored in `attr(result, "http_status")`. This return value indicates that the reaction was successfully sent.

<code>send_status</code>	<i>Send a WhatsApp Status (story)</i>
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Description

Send a WhatsApp Status (story)

Usage

```
send_status(
  client,
  type = c("text", "image", "video", "document", "audio"),
  content,
  caption = NULL,
  background_color = NULL,
  font = NULL,
  all_contacts = FALSE,
  status_jid_list = NULL,
  verbose = FALSE
)
```

Arguments

client	An evo_client() object.
type	One of "text", "image", "video", "document", "audio".
content	Text (for type = "text") or URL/base64 for media.
caption	Optional caption for media.
background_color	Hex color for text status background.
font	Integer font id.
all_contacts	Logical. Send to all contacts.
status_jid_list	Optional character vector of JIDs.
verbose	Logical. If TRUE, logs request/response details.

Value

A named list parsed from the JSON response returned by Evolution API. The object contains fields such as `status`, `message`, `queueId`, or other elements depending on the API endpoint. The HTTP status code of the request is stored in `attr(result, "http_status")`. This output represents the API-level confirmation of the status message sent.

send_sticker*Send a sticker*

Description

Send a sticker

Usage

```
send_sticker(client, number, sticker, delay = NULL, verbose = FALSE)
```

Arguments

client	An evo_client() object.
number	Character. Recipient in E.164 format (e.g., "+5581999...").
sticker	URL or base64 image.
delay	Integer (ms). Optional presence delay before sending.
verbose	Logical. If TRUE, logs request/response details.

Value

A named list parsed from the Evolution API JSON response, containing identifiers and metadata about the sticker message. The HTTP status code is stored in `attr(result, "http_status")`. This output confirms the sticker was accepted and queued/sent by the server.

send_text	<i>Send a plain text message</i>
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Description

Sends a plain text WhatsApp message using Evolution API v2.

Usage

```
send_text(
  client,
  number,
  text,
  delay = NULL,
  link_preview = NULL,
  mentions_everyone = NULL,
  mentioned = NULL,
  quoted = NULL,
  verbose = FALSE
)
```

Arguments

<code>client</code>	An evo_client() object.
<code>number</code>	Character. Recipient in E.164 format (e.g., "+5581999...").
<code>text</code>	Character. Message body.
<code>delay</code>	Integer (ms). Optional presence delay before sending.
<code>link_preview</code>	Logical. Enable URL link preview.
<code>mentions_everyone</code>	Logical. Mention everyone (if applicable).
<code>mentioned</code>	Character vector of JIDs to mention (e.g., <code>jid("+55...")</code>).
<code>quoted</code>	Optional list with Baileys message key and <code>message</code> (<code>reply-to</code>).
<code>verbose</code>	Logical. If TRUE, logs request/response details with <code>cli</code> and enables <code>req_verbose()</code> .

Value

A named list parsed from the JSON response returned by Evolution API, containing message metadata (IDs, timestamps, queue information) and any additional fields defined by the endpoint. The HTTP status code is stored in `attr(result, "http_status")`. This output represents the API confirmation that the text message was processed.

Examples

```
## Not run:
client <- evo_client("https://evolution_api_host", Sys.getenv("EVO_APIKEY"), "chatArgus")
send_text(client, "+55819...", "Ola", delay = 123, link_preview = FALSE, verbose = TRUE)

## End(Not run)
```

`send_whatsapp_audio` *Send WhatsApp audio (voice note)*

Description

Send WhatsApp audio (voice note)

Usage

```
send_whatsapp_audio(
  client,
  number,
  audio,
  delay = NULL,
  link_preview = NULL,
  mentions_everyone = NULL,
  mentioned = NULL,
  quoted = NULL,
  verbose = FALSE
)
```

Arguments

<code>client</code>	An evo_client() object.
<code>number</code>	Character. Recipient in E.164 format (e.g., "+5581999...").
<code>audio</code>	URL or base64.
<code>delay</code>	Integer (ms). Optional presence delay before sending.
<code>link_preview</code>	Logical. Enable URL link preview.
<code>mentions_everyone</code>	Logical. Mention everyone (if applicable).
<code>mentioned</code>	Character vector of JIDs to mention (e.g., <code>jid("+55...")</code>).
<code>quoted</code>	Optional list with Baileys message key and message (reply-to).
<code>verbose</code>	Logical. If TRUE, logs request/response details.

Value

A named list parsed from the JSON response produced by the Evolution API for audio messages. The list may include message ID, queue metadata, and delivery-related fields. The HTTP status code is stored in `attr(result, "http_status")`. This output indicates that the audio message request was accepted by the API.

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