

# Package ‘evolution’

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**Type** Package

**Title** A Client for 'Evolution Cloud API'

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**Version** 0.0.1

**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)

**Imports** htr2 (>= 1.0.0), cli (>= 3.6.0), base64enc

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evo_client	<i>Create an Evolution API client</i>
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## 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

base_url	Character. Server base URL (no trailing slash), e.g. "https://your-host".
api_key	Character. API key (sent as apikey header).
instance	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`*Build a WhatsApp JID from a raw number*

---

**Description**

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

**Usage**

```
jid(number)
```

**Arguments**

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

**Value**

Character JID.

**Examples**

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

---

`send_buttons`*Send Buttons*

---

**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 <code>evo_client()</code> 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.

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

**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 <a href="#">evo_client()</a> 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.

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send_media	<i>Send media (image, video, document) - robust for base64</i>
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---

**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 <code>evo_client()</code> 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 <code>data:*;base64,&lt;...&gt;</code> ; (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 ( <code>cli + req_verbose()</code> ).

**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	<i>Send a poll</i>
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**Description**

Send a poll

**Usage**

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

**Arguments**

<code>client</code>	An <code>evo_client()</code> 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.

---

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

React to a message

**Usage**

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

**Arguments**

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

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send_status	<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 <code>evo_client()</code> 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	<i>Send a sticker</i>
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---

**Description**

Send a sticker

**Usage**

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

**Arguments**

client	An <code>evo_client()</code> 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.

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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

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

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