

# Package ‘rosetteApi’

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**Type** Package

**Title** 'Rosette' API

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**Description** 'Rosette' is an API for multilingual text analysis and information extraction. More information can be found at <<https://developer.rosette.com>>.

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**Depends** R (>= 3.1.0)

**Imports** httr, jsonlite

**Suggests** knitr, rmarkdown, testthat

**URL** <https://developer.rosette.com>

**BugReports** <https://developer.rosette.com/support-ticket>

**VignetteBuilder** knitr

**RoxygenNote** 7.1.0

**NeedsCompilation** no

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api	<i>api wrapper function that checks for a user_key and determines the Rosette API endpoint to be utilized</i>
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## Description

api wrapper function that checks for a user\_key and determines the Rosette API endpoint to be utilized

## Usage

```
api(
  user_key,
  endpoint,
  parameters = FALSE,
  custom_headers = NULL,
  url_parameters = NULL,
  url = "https://api.rosette.com/rest/v1/"
)
```

## Arguments

user\_key - Rosette API authentication key  
 endpoint - Rosette API endpoint to be utilized  
 parameters - parameters list to be passed to specified Rosette API endpoint  
 custom\_headers - custom headers for Rosette Api  
 url\_parameters - query parameters  
 url - url for Rosette Api

**Value**

Returns a list(content, header)

**Examples**

```
## Not run:
parameters <- list()
parameters[[ "content" ]] <- "Bill Murray will appear in new Ghostbusters
film."
response <- api(01234567890, "entities", parameters)
# The call above returns response$content and response$header

## End(Not run)
```

---

check\_address\_parameters

*preemptive check for address-similarity request parameter errors*

---

**Description**

preemptive check for address-similarity request parameter errors

**Usage**

```
check_address_parameters(parameters)
```

**Arguments**

parameters - parameters list to be passed to specified Rosette API endpoint

**Value**

Returns list of verified parameters to be sent to Rosette API

---

check\_content\_parameters

*preemptive check for content/contentUri request parameter errors*

---

**Description**

preemptive check for content/contentUri request parameter errors

**Usage**

```
check_content_parameters(parameters)
```

**Arguments**

parameters - parameters list to be passed to specified Rosette API endpoint

**Value**

Returns list of verified parameters to be sent to Rosette API

---

check\_deduplication *check if the required request parameters for name deduplication are correct*

---

**Description**

check if the required request parameters for name deduplication are correct

**Usage**

check\_deduplication(parameters, endpoint)

**Arguments**

parameters - parameters list to be passed to specified Rosette API endpoint  
endpoint - Rosette API endpoint to be utilized

**Value**

Returns list of verified parameters to be sent to Rosette API

---

check\_for\_multipart *Helper to check for file submission*

---

**Description**

Helper to check for file submission

**Usage**

check\_for\_multipart(parameters)

**Arguments**

parameters - JSON parameters

**Value**

true if multipart

---

check_morphology	<i>determine which morphology endpoint to use</i>
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---

**Description**

determine which morphology endpoint to use

**Usage**

```
check_morphology(parameters, endpoint)
```

**Arguments**

parameters	- parameters list to be passed to specified Rosette API endpoint
endpoint	- Rosette API endpoint to be utilized

**Value**

Returns the specified morphology function

---

check_names	<i>check if the required request parameters for either names endpoint are correct</i>
-------------	---

---

**Description**

check if the required request parameters for either names endpoint are correct

**Usage**

```
check_names(parameters, endpoint)
```

**Arguments**

parameters	- parameters list to be passed to specified Rosette API endpoint
endpoint	- Rosette API endpoint to be utilized

**Value**

Returns list of verified parameters to be sent to Rosette API

---

create\_multipart      *create a multipart*

---

**Description**

create a multipart

**Usage**

create\_multipart(parameters)

**Arguments**

parameters      - parameters list to be passed to specified Rosette API endpoint

**Value**

Returns a multipart

---

error\_check      *check if Rosette API response includes and error message*

---

**Description**

check if Rosette API response includes and error message

**Usage**

error\_check(response)

**Arguments**

response      - response from Rosette API

**Value**

Returns an error if one exists or the Rosette API response

---

*get\_binding\_version*      *Provides the binding Version*

---

**Description**

Provides the binding Version

**Usage**

```
get_binding_version()
```

**Value**

current binding version

---

*get\_endpoint*      *htttr::GET request to specified Rosette API endpoint*

---

**Description**

htttr::GET request to specified Rosette API endpoint

**Usage**

```
get_endpoint(  
  user_key,  
  endpoint,  
  url,  
  custom_headers = NULL,  
  url_parameters = NULL  
)
```

**Arguments**

- `user_key`      - Rosette API authentication key
- `endpoint`     - Rosette API endpoint to be utilized
- `url`           - url for Rosette Api
- `custom_headers` - custom headers for Rosette Api
- `url_parameters` - url query parameters

**Value**

Returns the Rosette API response

---

get_headers	<i>Helper to combine custom headers with the default ones</i>
-------------	---

---

**Description**

Helper to combine custom headers with the default ones

**Usage**

```
get_headers(user_key, content_type = "application/json", custom_headers = NULL)
```

**Arguments**

user\_key - Rosette API authentication key  
 content\_type - Header Content-Type  
 custom\_headers - custom headers for the Rosette API

**Value**

Returns the combined h

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post_endpoint	<i>httr::POST request to specified Rosette API endpoint</i>
---------------	---

---

**Description**

httr::POST request to specified Rosette API endpoint

**Usage**

```
post_endpoint(  
  user_key,  
  parameters,  
  endpoint,  
  url,  
  custom_headers = NULL,  
  url_parameters = NULL  
)
```

**Arguments**

user\_key - Rosette API authentication key  
 parameters - parameters list to be passed to specified Rosette API endpoint  
 endpoint - Rosette API endpoint to be utilized  
 url - url for Rosette Api  
 custom\_headers - custom headers for Rosette Api  
 url\_parameters - query parameters



**Value**

Returns the Rosette API response

---

serialize\_address\_params  
*serialize address-similarity parameters*

---

**Description**

serialize address-similarity parameters

**Usage**

serialize\_address\_params(parameters)

**Arguments**

parameters - parameters list to be passed to address-similarity

**Value**

Returns the serialized parameters for the Rosette API

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serialize\_name\_deduplication\_parameters  
*serialize Rosette API parameters*

---

**Description**

serialize Rosette API parameters

**Usage**

serialize\_name\_deduplication\_parameters(parameters)

**Arguments**

parameters - parameters list to be passed to name-deduplication

**Value**

Returns the serialized parameters for the Rosette API

serialize\_name\_parameters  
*serialize Rosette API parameters*

---

**Description**

serialize Rosette API parameters

**Usage**

serialize\_name\_parameters(parameters)

**Arguments**

parameters - parameters list to be passed to either name-translation or name-similarity

**Value**

Returns the serialized parameters for the Rosette API

---

serialize\_parameters *serialize Rosette API parameters*

---

**Description**

serialize Rosette API parameters

**Usage**

serialize\_parameters(parameters)

**Arguments**

parameters - parameters list to be passed to specified Rosette API endpoint

**Value**

Returns the serialized parameters for the Rosette API

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