

Package ‘virustotal’

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Title R Client for the VirusTotal API

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Description Use VirusTotal, a Google service that analyzes files and URLs for viruses, worms, trojans etc., provides category of the content hosted by a domain from a variety of prominent services, provides passive DNS information, among other things. See <<https://www.virustotal.com>> for more information.

URL <https://github.com/themains/virustotal>

BugReports <https://github.com/themains/virustotal/issues>

Depends R (>= 3.3.0)

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virustotal-package	<i>virustotal: Access Virustotal API</i>
--------------------	--

Description

Access virustotal API. See <https://www.virustotal.com/>. Details about results of calls to the API can be found at <https://docs.virustotal.com/reference>.

You will need credentials to use this application. If you haven't already, get the API Key at <https://www.virustotal.com/>.

Author(s)

Gaurav Sood

See Also

Useful links:

- <https://github.com/themains/virustotal>
- Report bugs at <https://github.com/themains/virustotal/issues>

add_comments

Add comments on Files and URLs

Description

Add comments on files and URLs. For instance, flagging false positives, adding details about malware, instructions for cleaning malware, etc.

Usage

```
add_comments(hash = NULL, comment = NULL, ...)
```

Arguments

hash	hash for the resource you want to comment on; Required; String
comment	review; Required; String
...	Additional arguments passed to virustotal2_POST .

Value

data.frame with 2 columns: response_code, verbose_msg

- If the hash is incorrect or a duplicate comment is posted, response_code will be 0
- If the hash is incorrect, verbose_msg will be 'Invalid resource'
- If a duplicate comment is posted, verbose_msg will be 'Duplicate comment'
- If a comment is posted successfully, response_code will be 1 and verbose_msg will be 'Your comment was successfully posted'

References

<https://docs.virustotal.com/reference>

See Also

[set_key](#) for setting the API key

Examples

```
## Not run:

# Before calling the function, set the API key using set_key('api_key_here')

add_comments(hash='99017f6eebbac24f351415dd410d522d', comment="This is great.")

## End(Not run)
```

domain_report

Get Domain Report

Description

Retrieves comprehensive analysis report for a given domain, including WHOIS information, DNS resolutions, detected URLs, and threat intelligence data.

Usage

```
domain_report(domain = NULL, ...)
```

Arguments

domain	domain name. String. Required.
...	Additional arguments passed to virustotal_GET .

Value

list containing domain analysis results including WHOIS data, DNS resolutions, detected URLs, categories, and threat intelligence

References

<https://docs.virustotal.com/reference>

See Also

[set_key](#) for setting the API key

Examples

```
## Not run:

# Before calling the function, set the API key using set_key('api_key_here')

domain_report("google.com")
domain_report("example.com")

## End(Not run)
```

download_file	<i>Download a file from VirusTotal</i>
---------------	--

Description

Download a file from VirusTotal

Usage

```
download_file(hash = NULL, output_path = NULL, ...)
```

Arguments

hash	File hash (MD5, SHA1, or SHA256)
output_path	Local path to save the downloaded file. Optional.
...	Additional arguments passed to virustotal_GET .

Value

Raw file content or saves file to specified path

References

<https://docs.virustotal.com/reference>

See Also

[set_key](#) for setting the API key

Examples

```
## Not run:

# Before calling the function, set the API key using set_key('api_key_here')

download_file(hash='99017f6eebbac24f351415dd410d522d',
              output_path='/tmp/downloaded_file')

## End(Not run)
```

file_report	<i>Get File Scan Report</i>
-------------	-----------------------------

Description

Get File Scan Report

Usage

```
file_report(hash = NULL, ...)
```

Arguments

hash	File hash (MD5, SHA1, or SHA256) or file ID
...	Additional arguments passed to virustotal_GET .

Value

list containing file analysis results including antivirus scans, file metadata, and threat detection information

References

<https://docs.virustotal.com/reference>

See Also

[set_key](#) for setting the API key

Examples

```
## Not run:  
  
# Before calling the function, set the API key using set_key('api_key_here')  
  
file_report(hash='99017f6eebbac24f351415dd410d522d')  
  
## End(Not run)
```

get_domain_comments	<i>Retrieve comments for an Internet domain</i>
---------------------	---

Description

Retrieve comments for an Internet domain

Usage

```
get_domain_comments(domain = NULL, limit = limit, cursor = cursor, ...)
```

Arguments

domain	domain name. String. Required.
limit	Number of entries. Integer. Optional. Default is 10.
cursor	String. Optional.
...	Additional arguments passed to virustotal_GET .

Value

named list with the following possible items: `BitDefender category`, undetected_referrer_samples, whois_timestamp, detected_downloaded_samples, detected_referrer_samples, `Webutation domain info`, `Alexa category`, undetected_downloaded_samples, resolutions, detected_communicating_samples, `Opera domain info`, `TrendMicro category`, categories, domain_siblings, `BitDefender domain info`, whois, `Alexa domain info`, response_code, verbose_msg, `Websense ThreatSeeker category`, subdomains, `WOT domain info`, detected_urls, `Alexa rank`, undetected_communicating_samples, `Dr.Web category`, pcaps

References

<https://docs.virustotal.com/reference>

See Also

[set_key](#) for setting the API key

Examples

```
## Not run:

# Before calling the function, set the API key using set_key('api_key_here')

get_domain_comments("http://www.google.com")
get_domain_comments("http://www.goodsfwr fw.com") # Domain not found

## End(Not run)
```

get_domain_info	<i>Retrieve information about an Internet domain</i>
-----------------	--

Description

Retrieve information about an Internet domain

Usage

```
get_domain_info(domain = NULL, limit = NULL, cursor = NULL, ...)
```

Arguments

domain	domain name. String. Required.
limit	Number of entries. Integer. Optional. Default is 10.
cursor	String. Optional.
...	Additional arguments passed to virustotal_GET .

Value

named list

References

<https://docs.virustotal.com/reference>

See Also

[set_key](#) for setting the API key

Examples

```
## Not run:  
  
# Before calling the function, set the API key using set_key('api_key_here')  
  
get_domain_info("http://www.google.com")  
get_domain_info("http://www.goodsfwr fw.com") # Domain not found  
  
## End(Not run)
```

`get_domain_relationship`*Retrieve related objects to an Internet domain*

Description

Retrieve related objects to an Internet domain

Usage

```
get_domain_relationship(  
    domain = NULL,  
    relationship = "subdomains",  
    limit = NULL,  
    cursor = NULL,  
    ...  
)
```

Arguments

<code>domain</code>	domain name. String. Required.
<code>relationship</code>	relationship name. String. Required. Default is subdomains. For all the options see https://docs.virustotal.com/reference
<code>limit</code>	Number of entries. Integer. Optional. Default is 10.
<code>cursor</code>	String. Optional.
<code>...</code>	Additional arguments passed to virustotal_GET .

Value

named list

References

<https://docs.virustotal.com/reference>

See Also

[set_key](#) for setting the API key

Examples

```
## Not run:  
  
# Before calling the function, set the API key using set_key('api_key_here')  
  
get_domain_relationship("https://www.google.com")  
get_domain_relationship("https://www.goodsfwrwfw.com") # Domain not found
```

```
## End(Not run)
```

get_domain_votes	<i>Retrieve votes for an Internet domain</i>
------------------	--

Description

Retrieve votes for an Internet domain

Usage

```
get_domain_votes(domain = NULL, limit = NULL, cursor = NULL, ...)
```

Arguments

domain	domain name. String. Required.
limit	Number of entries. Integer. Optional. Default is 10.
cursor	String. Optional.
...	Additional arguments passed to virustotal_GET .

Value

named list

References

<https://docs.virustotal.com/reference>

See Also

[set_key](#) for setting the API key

Examples

```
## Not run:

# Before calling the function, set the API key using set_key('api_key_here')

get_domain_votes("http://www.google.com")
get_domain_votes("http://www.goodsfwrfrw.com") # Domain not found

## End(Not run)
```

get_file_comments	<i>Retrieve comments for a file</i>
-------------------	-------------------------------------

Description

Retrieve comments for a file

Usage

```
get_file_comments(hash = NULL, limit = NULL, cursor = NULL, ...)
```

Arguments

hash	File hash (MD5, SHA1, or SHA256)
limit	Number of comments to retrieve. Integer. Optional. Default is 10.
cursor	String for pagination. Optional.
...	Additional arguments passed to virustotal_GET .

Value

list containing file comments

References

<https://docs.virustotal.com/reference>

See Also

[set_key](#) for setting the API key

Examples

```
## Not run:  
  
# Before calling the function, set the API key using set_key('api_key_here')  
  
get_file_comments(hash='99017f6eebbac24f351415dd410d522d')  
  
## End(Not run)
```

get_file_download_url *Get download URL for a file*

Description

Get download URL for a file

Usage

```
get_file_download_url(hash = NULL, ...)
```

Arguments

hash	File hash (MD5, SHA1, or SHA256)
...	Additional arguments passed to virustotal_GET .

Value

list containing download URL and metadata

References

<https://docs.virustotal.com/reference>

See Also

[set_key](#) for setting the API key

Examples

```
## Not run:  
  
# Before calling the function, set the API key using set_key('api_key_here')  
  
get_file_download_url(hash='99017f6eebbac24f351415dd410d522d')  
  
## End(Not run)
```

`get_file_relationships`*Retrieve relationships for a file*

Description

Retrieve relationships for a file

Usage

```
get_file_relationships(  
    hash = NULL,  
    relationship = NULL,  
    limit = NULL,  
    cursor = NULL,  
    ...  
)
```

Arguments

<code>hash</code>	File hash (MD5, SHA1, or SHA256)
<code>relationship</code>	Type of relationship: "behaviours", "bundled_files", "compression_parents", "contacted_domains", "contacted_ips", "contacted_urls", "dropped_files", "execution_parents", "itw_domains", "itw_ips", "itw_urls", "overlay_parents", "pcap_parents", "pe_resource_parents", "similar_files", "submissions"
<code>limit</code>	Number of relationships to retrieve. Integer. Optional. Default is 10.
<code>cursor</code>	String for pagination. Optional.
<code>...</code>	Additional arguments passed to virustotal_GET .

Value

list containing file relationships

References

<https://docs.virustotal.com/reference>

See Also

[set_key](#) for setting the API key

Examples

```
## Not run:

# Before calling the function, set the API key using set_key('api_key_here')

get_file_relationships(hash='99017f6eebbac24f351415dd410d522d',
                      relationship='contacted_domains')

## End(Not run)
```

get_file_upload_url	<i>Get file upload URL for large files</i>
---------------------	--

Description

Get a special URL for uploading files larger than 32MB to VirusTotal for analysis.

Usage

```
get_file_upload_url(...)
```

Arguments

... Additional arguments passed to [virustotal_GET](#).

Value

list containing upload URL and other metadata

References

<https://docs.virustotal.com/reference>

See Also

[set_key](#) for setting the API key, [scan_file](#) for regular file uploads

Examples

```
## Not run:

# Before calling the function, set the API key using set_key('api_key_here')

get_file_upload_url()

## End(Not run)
```

get_file_votes	<i>Retrieve votes for a file</i>
----------------	----------------------------------

Description

Retrieve votes for a file

Usage

```
get_file_votes(hash = NULL, limit = NULL, cursor = NULL, ...)
```

Arguments

hash	File hash (MD5, SHA1, or SHA256)
limit	Number of votes to retrieve. Integer. Optional. Default is 10.
cursor	String for pagination. Optional.
...	Additional arguments passed to virustotal_GET .

Value

list containing file votes

References

<https://docs.virustotal.com/reference>

See Also

[set_key](#) for setting the API key

Examples

```
## Not run:  
  
# Before calling the function, set the API key using set_key('api_key_here')  
  
get_file_votes(hash='99017f6eebbac24f351415dd410d522d')  
  
## End(Not run)
```

get_ip_comments	<i>Retrieve comments for an IP address</i>
-----------------	--

Description

Retrieve comments for an IP address

Usage

```
get_ip_comments(ip = NULL, limit = NULL, cursor = NULL, ...)
```

Arguments

ip	IP Address. String. Required.
limit	Number of entries. Integer. Optional. Default is 10.
cursor	String. Optional.
...	Additional arguments passed to virustotal_GET .

Value

named list

References

<https://docs.virustotal.com/reference>

See Also

[set_key](#) for setting the API key

Examples

```
## Not run:  
  
# Before calling the function, set the API key using set_key('api_key_here')  
  
get_ip_comments("64.233.160.0")  
  
## End(Not run)
```

`get_ip_info`*Retrieve information about an IP address*

Description

Retrieves report on a given domain, including passive DNS, urls detected by at least one url scanner. Gives category of the domain from bitdefender.

Usage

```
get_ip_info(ip = NULL, limit = NULL, cursor = NULL, ...)
```

Arguments

<code>ip</code>	IP address. String. Required.
<code>limit</code>	Number of entries. Integer. Optional. Default is 10.
<code>cursor</code>	String. Optional.
<code>...</code>	Additional arguments passed to virustotal_GET .

Value

named list

References

<https://docs.virustotal.com/reference>

See Also

[set_key](#) for setting the API key

Examples

```
## Not run:  
  
# Before calling the function, set the API key using set_key('api_key_here')  
  
get_ip_info("64.233.160.0")  
  
## End(Not run)
```

get_ip_votes	<i>Retrieve votes for an IP address</i>
--------------	---

Description

Retrieve votes for an IP address

Usage

```
get_ip_votes(ip = NULL, limit = NULL, cursor = NULL, ...)
```

Arguments

ip	IP address. String. Required.
limit	Number of entries. Integer. Optional. Default is 10.
cursor	String. Optional.
...	Additional arguments passed to virustotal_GET .

Value

named list

References

<https://docs.virustotal.com/reference>

See Also

[set_key](#) for setting the API key

Examples

```
## Not run:  
  
# Before calling the function, set the API key using set_key('api_key_here')  
  
get_ip_votes("64.233.160.0")  
  
## End(Not run)
```

get_url_comments	<i>Retrieve comments for a URL</i>
------------------	------------------------------------

Description

Retrieve comments for a URL

Usage

```
get_url_comments(url_id = NULL, limit = NULL, cursor = NULL, ...)
```

Arguments

url_id	URL or URL ID from VirusTotal
limit	Number of comments to retrieve. Integer. Optional. Default is 10.
cursor	String for pagination. Optional.
...	Additional arguments passed to virustotal_GET .

Value

list containing URL comments

References

<https://docs.virustotal.com/reference>

See Also

[set_key](#) for setting the API key

Examples

```
## Not run:  
  
# Before calling the function, set the API key using set_key('api_key_here')  
get_url_comments(url_id='http://www.google.com')  
  
## End(Not run)
```



```
## End(Not run)
```

get_url_votes	<i>Retrieve votes for a URL</i>
---------------	---------------------------------

Description

Retrieve votes for a URL

Usage

```
get_url_votes(url_id = NULL, limit = NULL, cursor = NULL, ...)
```

Arguments

url_id	URL or URL ID from VirusTotal
limit	Number of votes to retrieve. Integer. Optional. Default is 10.
cursor	String for pagination. Optional.
...	Additional arguments passed to virustotal_GET .

Value

list containing URL votes

References

<https://docs.virustotal.com/reference>

See Also

[set_key](#) for setting the API key

Examples

```
## Not run:  
  
# Before calling the function, set the API key using set_key('api_key_here')  
  
get_url_votes(url_id='http://www.google.com')  
  
## End(Not run)
```

`ip_report`*Get IP Address Report*

Description

Retrieves comprehensive analysis report for an IP address, including geolocation, ASN information, DNS resolutions, and detected URLs.

Usage

```
ip_report(ip = NULL, ...)
```

Arguments

<code>ip</code>	a valid IPv4 or IPv6 address; String; Required
<code>...</code>	Additional arguments passed to <code>virustotal_GET</code> .

Value

list containing IP analysis results including geolocation, ASN information, DNS resolutions, detected URLs, and threat intelligence

References

<https://docs.virustotal.com/reference>

See Also

[set_key](#) for setting the API key

Examples

```
## Not run:

# Before calling the function, set the API key using set_key('api_key_here')

ip_report(ip="8.8.8.8")
ip_report(ip="2001:4860:4860::8888") # IPv6 example

## End(Not run)
```

post_domain_comments *Add a comment to an Internet domain*

Description

Add a comment to an Internet domain

Usage

```
post_domain_comments(domain = NULL, comment = NULL, ...)
```

Arguments

domain	domain name. String. Required.
comment	vote. String. Required. Any word starting with # in your comment's text will be considered a tag, and added to the comment's tag attribute.
...	Additional arguments passed to virustotal_POST .

Value

named list

References

<https://docs.virustotal.com/reference>

See Also

[set_key](#) for setting the API key

Examples

```
## Not run:  
  
# Before calling the function, set the API key using set_key('api_key_here')  
  
post_domain_comments(domain = "https://google.com", comment = "Great!")  
  
## End(Not run)
```

post_domain_votes	<i>Add a vote for a hostname or domain</i>
-------------------	--

Description

Add a vote for a hostname or domain

Usage

```
post_domain_votes(domain = NULL, vote = NULL, ...)
```

Arguments

domain	domain name. String. Required.
vote	vote. String. Required.
...	Additional arguments passed to virustotal_POST .

Value

named list

References

<https://docs.virustotal.com/reference>

See Also

[set_key](#) for setting the API key

Examples

```
## Not run:  
  
# Before calling the function, set the API key using set_key('api_key_here')  
  
post_domain_votes("http://google.com", vote = "malicious")  
  
## End(Not run)
```

post_file_comments	<i>Add a comment to a file</i>
--------------------	--------------------------------

Description

Add a comment to a file

Usage

```
post_file_comments(hash = NULL, comment = NULL, ...)
```

Arguments

hash	File hash (MD5, SHA1, or SHA256)
comment	Comment text to add
...	Additional arguments passed to virustotal_POST .

Value

list containing response data

References

<https://docs.virustotal.com/reference>

See Also

[set_key](#) for setting the API key

Examples

```
## Not run:  
  
# Before calling the function, set the API key using set_key('api_key_here')  
  
post_file_comments(hash='99017f6eebbac24f351415dd410d522d',  
                   comment='This file appears to be suspicious')  
  
## End(Not run)
```

post_file_votes	<i>Add a vote to a file</i>
-----------------	-----------------------------

Description

Add a vote to a file

Usage

```
post_file_votes(hash = NULL, verdict = NULL, ...)
```

Arguments

hash	File hash (MD5, SHA1, or SHA256)
verdict	Vote verdict: "harmless" or "malicious"
...	Additional arguments passed to virustotal_POST .

Value

list containing response data

References

<https://docs.virustotal.com/reference>

See Also

[set_key](#) for setting the API key

Examples

```
## Not run:  
  
# Before calling the function, set the API key using set_key('api_key_here')  
  
post_file_votes(hash='99017f6eebbac24f351415dd410d522d', verdict='malicious')  
  
## End(Not run)
```

post_ip_comments	<i>Add a comment to an IP address</i>
------------------	---------------------------------------

Description

Add a comment to an IP address

Usage

```
post_ip_comments(ip = NULL, comment = NULL, ...)
```

Arguments

ip	IP address. String. Required.
comment	Comment. String. Required.
...	Additional arguments passed to virustotal_POST .

Value

named list

References

<https://docs.virustotal.com/reference>

See Also

[set_key](#) for setting the API key

Examples

```
## Not run:  
  
# Before calling the function, set the API key using set_key('api_key_here')  
  
post_ip_comments(ip = "64.233.160.0", comment = "test")  
  
## End(Not run)
```

post_ip_votes	<i>Add a vote for a IP address</i>
---------------	------------------------------------

Description

Add a vote for a IP address

Usage

```
post_ip_votes(ip = NULL, vote = NULL, ...)
```

Arguments

ip	IP address. String. Required.
vote	vote. String. Required.
...	Additional arguments passed to virustotal_POST .

Value

named list

References

<https://docs.virustotal.com/reference>

See Also

[set_key](#) for setting the API key

Examples

```
## Not run:  
  
# Before calling the function, set the API key using set_key('api_key_here')  
  
post_ip_votes(ip = "64.233.160.0", vote = "malicious")  
  
## End(Not run)
```

post_url_comments	<i>Add a comment to a URL</i>
-------------------	-------------------------------

Description

Add a comment to a URL

Usage

```
post_url_comments(url_id = NULL, comment = NULL, ...)
```

Arguments

url_id	URL or URL ID from VirusTotal
comment	Comment text to add
...	Additional arguments passed to virustotal_POST .

Value

list containing response data

References

<https://docs.virustotal.com/reference>

See Also

[set_key](#) for setting the API key

Examples

```
## Not run:  
  
# Before calling the function, set the API key using set_key('api_key_here')  
  
post_url_comments(url_id='http://www.google.com',  
                  comment='This URL appears suspicious')  
  
## End(Not run)
```

post_url_votes	<i>Add a vote to a URL</i>
----------------	----------------------------

Description

Add a vote to a URL

Usage

```
post_url_votes(url_id = NULL, verdict = NULL, ...)
```

Arguments

url_id	URL or URL ID from VirusTotal
verdict	Vote verdict: "harmless" or "malicious"
...	Additional arguments passed to virustotal_POST .

Value

list containing response data

References

<https://docs.virustotal.com/reference>

See Also

[set_key](#) for setting the API key

Examples

```
## Not run:  
  
# Before calling the function, set the API key using set_key('api_key_here')  
  
post_url_votes(url_id='http://www.google.com', verdict='harmless')  
  
## End(Not run)
```

rate_limit	<i>Rate Limits</i>
------------	--------------------

Description

Virustotal requests throttled at 4 per min. The function creates an env. var. that tracks number of requests per minute, and enforces appropriate waiting.

Usage

```
rate_limit()
```

rescan_file	<i>Request rescan of a file</i>
-------------	---------------------------------

Description

Request a new analysis of a file already present in VirusTotal's database. Returns an analysis ID that can be used to retrieve the report using [file_report](#).

Usage

```
rescan_file(hash = NULL, ...)
```

Arguments

hash	File hash (MD5, SHA1, or SHA256) or file ID. String. Required.
...	Additional arguments passed to virustotal_POST .

Value

list containing analysis details and ID

References

<https://docs.virustotal.com/reference>

See Also

[set_key](#) for setting the API key

Examples

```
## Not run:

# Before calling the function, set the API key using set_key('api_key_here')

rescan_file(hash='99017f6eebbac24f351415dd410d522d')

## End(Not run)
```

`scan_file`*Submit a file for scanning*

Description

Submit a file for scanning

Usage

```
scan_file(file_path = NULL, ...)
```

Arguments

<code>file_path</code>	Required; Path to the document
<code>...</code>	Additional arguments passed to virustotal_POST .

Value

data.frame with the following columns: type, id, links

References

<https://docs.virustotal.com/reference>

See Also

[set_key](#) for setting the API key

Examples

```
## Not run:

# Before calling the function, set the API key using set_key('api_key_here')

scan_file(file_path='path_to_suspicious_file')

## End(Not run)
```

scan_url	<i>Submit URL for scanning</i>
----------	--------------------------------

Description

Submit a URL for analysis. Returns analysis details including an ID that can be used to retrieve the report using [url_report](#)

Usage

```
scan_url(url = NULL, ...)
```

Arguments

url	URL to scan; string; required
...	Additional arguments passed to virustotal_POST .

Value

list containing analysis details and ID

References

<https://docs.virustotal.com/reference>

See Also

[set_key](#) for setting the API key

Examples

```
## Not run:  
  
# Before calling the function, set the API key using set_key('api_key_here')  
  
scan_url("http://www.google.com")  
  
## End(Not run)
```

set_key	<i>Set API Key</i>
---------	--------------------

Description

Before anything else, get the API key from <https://www.virustotal.com/en/>. Next, use [set_key](#) to store the API key in an environment variable VirustotalToken. Once you have set the API key, you can use any of the functions.

Usage

```
set_key(api_key = NULL)
```

Arguments

api_key	API key. String. Required.
---------	----------------------------

References

<https://docs.virustotal.com/reference>

Examples

```
## Not run:  
  
set_key('api_key_here')  
  
## End(Not run)
```

url_report	<i>Get URL Report</i>
------------	-----------------------

Description

Retrieve a scan report for a given URL or URL ID from VirusTotal.

Usage

```
url_report(url_id = NULL, ...)
```

Arguments

url_id	URL or URL ID from VirusTotal. String. Required.
...	Additional arguments passed to virustotal_GET .

Value

list containing URL analysis results including scan details, detection information, and metadata

References

<https://docs.virustotal.com/reference>

See Also

[set_key](#) for setting the API key, [scan_url](#) for submitting URLs

Examples

```
## Not run:

# Before calling the function, set the API key using set_key('api_key_here')

# Get report using URL
url_report("http://www.google.com")

# Get report using URL ID (base64 encoded URL without padding)
url_report("687474703a2f2f777772e676f6f676c652e636f6d2f")

## End(Not run)
```

virustotal2_GET

Base POST AND GET functions. Not exported.

Description

GET for the v2 API

Usage

```
virustotal2_GET(
  query = list(),
  path = path,
  key = Sys.getenv("VirusotalToken"),
  ...
)
```

Arguments

query	query list
path	path to the specific API service url
key	A character string containing Virustotal API Key. The default is retrieved from Sys.getenv("VirusotalToken").
...	Additional arguments passed to GET .

Value

list

virustotal2_POST	<i>POST for V2 API</i>
------------------	------------------------

Description

POST for V2 API

Usage

```
virustotal2_POST(  
    query = list(),  
    path = path,  
    body = NULL,  
    key = Sys.getenv("VirusTotalToken"),  
    ...  
)
```

Arguments

query	query list
path	path to the specific API service url
body	file
key	A character string containing Virustotal API Key. The default is retrieved from Sys.getenv("VirusTotalToken").
...	Additional arguments passed to POST .

Value

list

virustotal_check	<i>Request Response Verification</i>
------------------	--------------------------------------

Description

Request Response Verification

Usage

```
virustotal_check(req)
```

Arguments

req request

Value

in case of failure, a message

virustotal_GET	<i>GET for the Current V3 API</i>
----------------	-----------------------------------

Description

GET for the Current V3 API

Usage

```
virustotal_GET(path, query = list(), key = Sys.getenv("VirusTotalToken"), ...)
```

Arguments

path path to the specific API service url
query query list
key A character string containing Virustotal API Key. The default is retrieved from Sys.getenv("VirusTotalToken").
... Additional arguments passed to [GET](#).

Value

list

virustotal_POST	<i>POST for the Current V3 API</i>
-----------------	------------------------------------

Description

POST for the Current V3 API

Usage

```
virustotal_POST(  
  path,  
  body = NULL,  
  query = list(),  
  key = Sys.getenv("VirusTotalToken"),  
  ...  
)
```

Arguments

path	path to the specific API service url
body	request body (file upload or JSON data)
query	query list
key	A character string containing Virustotal API Key. The default is retrieved from <code>Sys.getenv("VirustotalToken")</code> .
...	Additional arguments passed to POST .

Value

list

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