

Package: podindexr (via r-universe)

September 16, 2024

Title A Podcast Index API Library for R

Version 0.1.0

Description Access and download data from the Podcast Index Database directly from R using the 'PodcastIndex'

<<https://podcastindex-org.github.io/docs-api>> API.

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Encoding UTF-8

Roxygen list(markdown = TRUE)

RoxygenNote 7.2.2

Depends R (>= 4.1.0)

Imports cli, digest, dplyr, glue, httr2, purrr, rlang, tibble

Suggests httpptest2, testthat (>= 3.0.0)

Config/testthat/edition 3

Repository <https://rpodcast.r-universe.dev>

RemoteUrl <https://github.com/rpodcast/podindexr>

RemoteRef HEAD

RemoteSha 3a29c2a9b714bee78cf5bf6ae974ab6314ac0333

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create_hash	<i>Create podcastindex authentication token</i>
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Description

Create a custom authentication token required by the podcastindex api utilizing the podcastindex API key and secret pair

Usage

```
create_hash(epoch_time = NULL)
```

Arguments

epoch_time	string of time in UTC unix format. If NULL, the current system time will be used.
------------	---

Value

string representing hash (sha1) of API key, secret and epoch time created with the digest package

episodes_byfeedid *Get episodes from podcast feed ID*

Description

episodes_byfeedid() obtains all episodes from the a podcast specified by one or more PodcastIndex feed ID(s)

Usage

```
episodes_byfeedid(feedid, max = 10, fulltext = FALSE, since = NULL)
```

Arguments

feedid	vector of one or more integers representing PodcastIndex Feed IDs.
max	Maximum number of results to return. Value must be a single integer between 1 and 1000.
fulltext	boolean to return the full text value of any text fields within the result data. If set to FALSE, all text fields are truncated to 100 words.
since	optional date string in format YYYY-MM-DD that when specified will only return podcasts/episodes created since the specified date.

Value

tibble data frame with metadata associated with episodes

Examples

```
# Requires API key and secret
episodes_byfeedid(feedid = 920666)
```

episodes_byguid *Get episodes from podcast guid*

Description

episodes_byguid() obtains metadata for a single episode from a podcast specified by a guid and either a feed ID or URL

Usage

```
episodes_byguid(guid, feedurl = NULL, feedid = NULL, fulltext = FALSE)
```

Arguments

guid	character string of guid value for episode to retrieve
feedurl	character string of podcast feed URL
feedid	vector of one or more integers representing PodcastIndex Feed IDs.
fulltext	boolean to return the full text value of any text fields within the result data. If set to FALSE, all text fields are truncated to 100 words.

Value

tibble data frame with metadata associated with the episode

Examples

```
# Requires API key and secret

# using guid and feedid
episodes_byguid(guid = "PC2084", feedid = 920666)

# using guid and feedurl
episodes_byguid(guid = "PC2084", feedurl = "http://mp3s.nashownotes.com/pc20rss.xml")
```

episodes_byid	<i>Get metadata for a single episode</i>
---------------	--

Description

episodes_byid() obtains all metadata associated with a single episode specified by ID.

Usage

```
episodes_byid(id, fulltext = FALSE)
```

Arguments

id	integer of the PodcastIndex episode ID to search for.
fulltext	boolean to return the full text value of any text fields within the result data. If set to FALSE, all text fields are truncated to 100 words.

Value

tibble data frame with metadata associated with the episode

Examples

```
# Requires API key and secret  
episodes_byid(id = 75075)
```

episodes_byurl	<i>Get episodes from podcast feed URL</i>
----------------	---

Description

episodes_byfeedid() obtains all episodes from the a podcast specified by a feed URL

Usage

```
episodes_byurl(url, max = 10, fulltext = FALSE, since = NULL)
```

Arguments

url	character string of podcast feed URL
max	Maximum number of results to return. Value must be a single integer between 1 and 1000.
fulltext	boolean to return the full text value of any text fields within the result data. If set to FALSE, all text fields are truncated to 100 words.
since	optional date string in format YYYY-MM-DD that when specified will only return podcasts/episodes created since the specified date.

Value

tibble data frame with metadata associated with episodes

Examples

```
# Requires API key and secret  
episodes_byurl(url = "https://engineered.network/pragmatic/feed/index.xml")
```

episodes_live	<i>Get live podcast episodes</i>
---------------	----------------------------------

Description

episodes_live() obtains metadata for episodes that have the podcast-liveitem tag enabled in the feed, meaning episodes airing live at the time of running this function.

Usage

```
episodes_live(max = 10)
```

Arguments

max	Maximum number of results to return. Value must be a single integer between 1 and 1000.
-----	---

Value

tibble data frame with metadata associated with live episodes

Examples

```
# Requires API key and secret  
episodes_live(max = 20)
```

episodes_random	<i>Random podcast episodes</i>
-----------------	--------------------------------

Description

episodes_random() obtains a random selection of podcast episodes from the Podcast Index database

Usage

```
episodes_random(  
  max = 2,  
  lang = "en",  
  cat_terms = NULL,  
  notcat_terms = NULL,  
  fulltext = FALSE  
)
```

Arguments

max	Maximum number of results to return. Value must be a single integer between 1 and 1000.
lang	optional two-letter language code that when specified will only return podcasts/episodes having that specific language.
cat_terms	optional character vector of one or more categories that when specified will only return podcasts/episodes under those categories.
notcat_terms	optional character vector of one or more categories that when specified will only return podcasts/episodes not under those categories.
fulltext	boolean to return the full text value of any text fields within the result data. If set to FALSE, all text fields are truncated to 100 words.

Value

tibble data frame with metadata associated with episodes

Examples

```
# Requires API key and secret
episodes_random(max = 20)
```

episodes_recent	<i>Get recent podcast episodes</i>
-----------------	------------------------------------

Description

episodes_recent() obtains the most recent max number of podcast episodes across the entire PodcastIndex database, sorted in reverse chronological order.

Usage

```
episodes_recent(
  max = 7,
  exclude_string = NULL,
  before = NULL,
  fulltext = FALSE
)
```

Arguments

max	Maximum number of results to return. Value must be a single integer between 1 and 1000.
exclude_string	character string used to exclude any episodes with title or URL containing the specified string.

before	episode ID string that when specified will only return episodes created before the specified episode ID, allowing you to walk back through episode history sequentially.
fulltext	boolean to return the full text value of any text fields within the result data. If set to FALSE, all text fields are truncated to 100 words.

Value

tibble data frame with metadata associated with episodes

Examples

```
# Requires API key and secret
episodes_recent(max = 20)
```

feeds_bymedium	<i>Get podcast feeds by medium</i>
----------------	------------------------------------

Description

feeds_bymedium obtains all feeds marked with the specified medium tag value.

Usage

```
feeds_bymedium(
  medium = c("audiobook", "blog", "film", "music", "newsletter", "podcast", "video")
)
```

Arguments

medium	character string of medium to search for. Must be one of audiobook, blog, film, music, newsletter, podcast, or video
--------	--

Value

tibble data frame with metadata associated with feeds

Examples

```
## Not run:
# Requires API key and secret

feeds_bymedium(medium = "film")

## End(Not run)
```

feeds_new	<i>Get new podcast feeds</i>
-----------	------------------------------

Description

feeds_recent() retrieves the newest podcast feeds added to the podcastindex over the past 24 hours.

Usage

```
feeds_new(max = 60, since = NULL, feedid = NULL, desc = FALSE)
```

Arguments

max	Maximum number of results to return. Value must be a single integer between 1 and 1000.
since	optional date string in format YYYY-MM-DD that when specified will only return podcasts/episodes created since the specified date.
feedid	string of the Podcastindex Feed ID to start from (or go to if desc is set to TRUE). If since is specified, feedid takes precedence.
desc	boolean to display feeds in descending order. Only applicable when specifying feedid.

Value

tibble data frame with metadata associated with new feeds

Examples

```
# Requires API key and secret
feeds_new(max = 20)
```

feeds_recent	<i>Get recent podcast feeds</i>
--------------	---------------------------------

Description

feeds_recent() retrieves the most recent podcast feeds added to the podcastindex.

Usage

```
feeds_recent(
  max = 40,
  lang = "en",
  since = NULL,
  cat_terms = NULL,
  notcat_terms = NULL
)
```

Arguments

max	Maximum number of results to return. Value must be a single integer between 1 and 1000.
lang	optional two-letter language code that when specified will only return podcasts/episodes having that specific language.
since	optional date string in format YYYY-MM-DD that when specified will only return podcasts/episodes created since the specified date.
cat_terms	optional character vector of one or more categories that when specified will only return podcasts/episodes under those categories.
notcat_terms	optional character vector of one or more categories that when specified will only return podcasts/episodes not under those categories.

Value

tibble data frame with metadata associated with recent feeds in chronological order

Examples

```
# Requires API key and secret

feeds_recent()

feeds_recent(max = 100, since = "2021-01-01", cat_terms = c("News", "Finance"))
```

feeds_trending	<i>Get trending podcast feeds</i>
----------------	-----------------------------------

Description

feeds_trending() obtains the feeds in the Podcast Index that are trending.

Usage

```
feeds_trending(  
  max = 10,  
  lang = "en",  
  since = NULL,  
  cat_terms = NULL,  
  notcat_terms = NULL  
)
```

Arguments

max	Maximum number of results to return. Value must be a single integer between 1 and 1000.
lang	optional two-letter language code that when specified will only return podcasts/episodes having that specific language.
since	optional date string in format YYYY-MM-DD that when specified will only return podcasts/episodes created since the specified date.
cat_terms	optional character vector of one or more categories that when specified will only return podcasts/episodes under those categories.
notcat_terms	optional character vector of one or more categories that when specified will only return podcasts/episodes not under those categories.

Value

tibble data frame with metadata associated with feeds

feeds_withvalue	<i>Get podcast feeds supporting value tag</i>
-----------------	---

Description

feeds_withvalue obtains all feeds from the Podcast Index database that support the value tag in the podcast namespace

Usage

```
feeds_withvalue()
```

Value

tibble data frame with metadata associated with feeds

Examples

```
## Not run:  
# Requires API key and secret  
  
feeds_withvalue()  
  
## End(Not run)
```

```
get_podcastindex_api_keys  
    Obtain podcastindex API key and secret pair
```

Description

Obtain the podcastindex API key and secret values from a .Renviron file, either stored in the current directory or the user's home directory.

Usage

```
get_podcastindex_api_keys()
```

Value

list with API key and API secret values

```
podcastindex_api_isset  
    Detect if podcastindex API key/secret pair is defined
```

Description

Detect if podcastindex API key/secret pair is defined

Usage

```
podcastindex_api_isset()
```

Value

boolean, TRUE if both PODCASTINDEX_API_KEY and PODCASTINDEX_API_SECRET environment variables are defined in the current R session.

podcasts_byfeedid *Get podcast feed metadata*

Description

podcasts_byfeedid() obtains all available metadata from the Podcast Index database associated with a particular feed ID

Usage

```
podcasts_byfeedid(feedid)
```

Arguments

feedid integer representing a Podcast Index feed ID

Value

tibble data frame with metadata associated with feed

Examples

```
# Requires API key and secret  
podcasts_byfeedid(feedid = 920666)
```

podcasts_byfeedurl *Get podcast feed metadata*

Description

podcasts_byfeedurl() obtains all available metadata from the Podcast Index database associated with a particular feed URL

Usage

```
podcasts_byfeedurl(url)
```

Arguments

url character string of podcast feed URL

Value

tibble data frame with metadata associated with feed

Examples

```
# Requires API key and secret

podcasts_byfeedurl(url = "https://feeds.theincomparable.com/batmanuniversity")
```

podcasts_byguid *Get podcast feed metadata*

Description

podcasts_byfeedguid() obtains all available metadata from the Podcast Index database associated with a particular feed GUID

Usage

```
podcasts_byguid(guid)
```

Arguments

guid string representing a Podcast Index feed GUID

Value

tibble data frame with metadata associated with feed

Examples

```
# Requires API key and secret

podcasts_byguid(guid = "9b024349-ccf0-5f69-a609-6b82873eab3c")
```

podcasts_byitunesid *Get podcast feed metadata*

Description

podcasts_byitunesid() obtains all available metadata from the Podcast Index database associated with a particular iTunes ID

Usage

```
podcasts_byitunesid(itunesid)
```

Arguments

itunesid integer representing a Podcast Index iTunes feed ID

Value

tibble data frame with metadata associated with feed

Examples

```
# Requires API key and secret
podcasts_byitunesid(itunesid = 1441923632)
```

podcasts_categories *Get podcast categories*

Description

podcasts_categories() obtains all of the possible categories supported by the Podcast Index.

Usage

```
podcasts_categories()
```

Value

tibble data frame with category id and name

Examples

```
# Requires API key and secret
podcasts_categories()
```

search_apple_byterm *Search podcasts with Apple-like API*

Description

search_apple_byterm() replaces the Apple search API but uses the Podcast Index database instead.

Usage

```
search_apple_byterm(term)
```

Arguments

term character string of the term to search for

Value

tibble data frame with metadata associated with podcasts that match the search term

Examples

```
search_apple_byterm("metal")
```

search_apple_lookup *Lookup podcasts with Apple-like API*

Description

search_apple_lookup() replaces the Apple podcast lookup api but uses the Podcast Index database instead.

Usage

```
search_apple_lookup(feedid)
```

Arguments

feedid integer of the iTunes feed ID to search for.

Value

tibble data frame with metadata associated with podcasts that match the feed ID

Examples

```
search_apple_lookup(feedid = 1441923632)
```

search_byperson	<i>Search podcast episodes by person</i>
-----------------	--

Description

search_byperson() performs a search of podcast episodes where the specified person is mentioned.

Usage

```
search_byperson(q, fulltext = FALSE)
```

Arguments

q	character string of the person to search for
fulltext	boolean to return the full text value of any text fields within the result data. If set to FALSE, all text fields are truncated to 100 words.

Value

tibble data frame with metadata associated with episodes that mention the person specified in the search query.

Examples

```
# Requires API key and secret  
search_byperson(q = "Adam Curry")
```

search_byterm	<i>Search podcasts</i>
---------------	------------------------

Description

search_byterm() performs a search of the title, author, or owner of podcasts feeds within the PodcastIndex.

Usage

```
search_byterm(q, val = NULL, aonly = TRUE, clean = TRUE, fulltext = FALSE)
```

Arguments

q	character string of the term(s) to search for
val	string indicating which value block type to filter search results. Valid entries are any, lightning, hive, or webmonetization.
aponly	boolean to only return feeds with an itunesId present
clean	boolean to only return non-explicit podcast feeds. Meaning feeds where the itunes:explicit flag is set to false.
fulltext	boolean to return the full text value of any text fields within the result data. If set to FALSE, all text fields are truncated to 100 words.

Value

tibble data frame with metadata associated with feeds that match the search terms in the title, author, or owner fields.

Examples

```
# Requires API key and secret
search_byterm(q = "batman university")
```

search_bytitle	<i>Search podcasts by title</i>
----------------	---------------------------------

Description

search_byterm() performs a search of the title field of podcasts feeds within the PodcastIndex.

Usage

```
search_bytitle(q, val = NULL, clean = TRUE, fulltext = FALSE, similar = FALSE)
```

Arguments

q	character string of the term(s) to search for
val	string indicating which value block type to filter search results. Valid entries are any, lightning, hive, or webmonetization.
clean	boolean to only return non-explicit podcast feeds. Meaning feeds where the itunes:explicit flag is set to false.
fulltext	boolean to return the full text value of any text fields within the result data. If set to FALSE, all text fields are truncated to 100 words.
similar	boolean to include similar matches in search response

Value

tibble data frame with metadata associated with feeds that match (or similar to) the search terms in the title fields.

Examples

```
# Requires API key and secret
search_bytitle(q = "batman university")
```

search_music	<i>Search music podcasts</i>
--------------	------------------------------

Description

search_music() performs a search of the title, author, or owner of podcast feeds within the PodcastIndex where the medium is music.

Usage

```
search_music(q, val = NULL, aonly = TRUE, clean = TRUE, fulltext = FALSE)
```

Arguments

q	character string of the term(s) to search for
val	string indicating which value block type to filter search results. Valid entries are any, lightning, hive, or webmonetization.
aponly	boolean to only return feeds with an itunesId present
clean	boolean to only return non-explicit podcast feeds. Meaning feeds where the itunes:explicit flag is set to false.
fulltext	boolean to return the full text value of any text fields within the result data. If set to FALSE, all text fields are truncated to 100 words.

Value

tibble data frame with metadata associated with feeds that match the search terms in the title, author, or owner fields.

Examples

```
# Requires API key and secret
search_music(q = "metal")
```

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