

# Package ‘hackeRnews’

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**Title** Wrapper for the 'Official Hacker News' API

**Version** 0.2.1

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**Description** Use the Official Hacker News API through R. Retrieve posts, articles and other items in form of convenient R objects.

**License** MIT + file LICENSE

**Encoding** UTF-8

**Suggests** covr, testthat (>= 2.1.0), httptest2, knitr, rmarkdown, spelling, tibble

**RoxygenNote** 7.3.2

**Imports** utils, httr2

**VignetteBuilder** knitr

**URL** <https://github.com/szymanski/hackeRnews>

**BugReports** <https://github.com/szymanski/hackeRnews/issues>

**Language** en-US

**Config/testthat/edition** 3

**NeedsCompilation** no

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**Repository** CRAN

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get_best_stories	<i>Hacker News best stories</i>
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**Description**

Retrieves best stories using Hacker News API

**Usage**

```
get_best_stories(max_items = NULL)
```

**Arguments**

max_items	Maximum number of items to retrieve. If max_items = NULL, returns all available
-----------	---

**Value**

list of best stories

**Examples**

```
# get the best story on Hacker News
best_story <- get_best_stories(max_items = 1)
best_story

# get top 20 best stories on Hacker News
```

```
best_20_stories <- get_best_stories(max_items = 20)
best_20_stories

# get all best stories on Hacker News
best_stories <- get_best_stories()
best_stories
```

---

`get_best_stories_ids`     *Hacker News best stories ids*

---

### **Description**

Retrieves best stories ids using Hacker News API

### **Usage**

```
get_best_stories_ids()
```

### **Value**

list of best stories ids

### **Examples**

```
# get the ids of best stories on Hacker News
best_stories_ids <- get_best_stories_ids()
best_stories_ids
```

---

`get_comments`             *Hacker News nested comments*

---

### **Description**

Retrieves all comments under an item using Hacker News API

### **Usage**

```
get_comments(item)
```

### **Arguments**

`item`             item whose children (comments) will be retrieved

**Value**

dataframe of all comments under an item

**Examples**

```
story <- get_item_by_id(21499889)
comments <- get_comments(story)

# Convert to a tibble to improve formatting
# as comment content might long
tibble::as_tibble(comments)
```

---

get_items_by_ids	<i>Get Hacker News by ids</i>
------------------	-------------------------------

---

**Description**

Retrieves items corresponding to specified list of ids using Hacker News API

**Usage**

```
get_items_by_ids(ids)
```

**Arguments**

ids            list of ids

**Value**

list of hn\_item objects

**Examples**

```
# retrieve the first two items on Hacker News
items <- get_items_by_ids(c(1,2))
items
```

---

get_item_by_id	<i>Get Hacker News by Id</i>
----------------	------------------------------

---

**Description**

Retrieves the item corresponding to specified id using Hacker News API

**Usage**

```
get_item_by_id(id)
```

**Arguments**

id                    id of the item that should be retrieved

**Details**

The API in some cases returns a null response. When this situation occurs it is assumed that the item does not exist and NA is returned.

**Value**

item corresponding to the specified id

**Examples**

```
# retrieve the id of the latest Hacker News item
last_item_id <- get_max_item_id()
last_item_id

# retrieve the latest Hacker News item
last_hn_item <- get_item_by_id(last_item_id)
last_hn_item
```

---

get_latest_ask_stories	<i>Hacker News latest ask stories</i>
------------------------	---------------------------------------

---

**Description**

Retrieves latest ask stories using Hacker News API

**Usage**

```
get_latest_ask_stories(max_items = NULL)
```

**Arguments**

`max_items` Maximum number of items to retrieve. If `max_items = NULL`, returns all available

**Value**

list of latest ask HN stories ids

**Examples**

```
# get the latest ask story on Hacker News
latest_ask_story <- get_latest_ask_stories(max_items = 1)
latest_ask_story

# get 10 latest ask stories on Hacker News
latest_10_ask_stories <- get_latest_ask_stories(max_items = 10)
latest_10_ask_stories

# get all latest ask stories on Hacker News
latest_ask_stories <- get_latest_ask_stories()
latest_ask_stories
```

---

`get_latest_ask_stories_ids`

*Hacker News latest ask stories ids*

---

**Description**

Retrieves latest ask stories ids using Hacker News API

**Usage**

```
get_latest_ask_stories_ids()
```

**Value**

list of latest ask Hacker News stories ids

**Examples**

```
# get ids of latest ask stories
ask_stories_ids <- get_latest_ask_stories_ids()
ask_stories_ids
```

---

`get_latest_job_stories`  
*Hacker News latest job stories*

---

### **Description**

Retrieves latest job stories using Hacker News API

### **Usage**

```
get_latest_job_stories(max_items = NULL)
```

### **Arguments**

`max_items`      Maximum number of items to retrieve. If `max_items = NULL`, returns all available

### **Value**

list of latest job stories

### **Examples**

```
# get the latest job story on Hacker News
latest_job_story <- get_latest_job_stories(max_items = 1)
latest_job_story

# get 10 latest job stories on Hacker News
latest_10_job_stories <- get_latest_job_stories(max_items = 10)
latest_10_job_stories

# get all latest job stories on Hacker News
latest_job_stories <- get_latest_job_stories()
latest_job_stories
```

---

`get_latest_job_stories_ids`  
*Hacker News latest job stories ids*

---

### **Description**

Retrieves latest job stories ids using Hacker News API

**Usage**

```
get_latest_job_stories_ids()
```

**Value**

list of latest job stories ids

**Examples**

```
# get ids of latest job stories
latest_job_stories_ids <- get_latest_job_stories_ids()
latest_job_stories_ids
```

---

```
get_latest_show_stories
```

*Hacker News latest show stories*

---

**Description**

Retrieves latest show stories using Hacker News API

**Usage**

```
get_latest_show_stories(max_items = NULL)
```

**Arguments**

max_items	Maximum number of items to retrieve. If max_items = NULL, returns all available
-----------	---

**Value**

list of latest show HN stories

**Examples**

```
# get the latest show story on Hacker News
latest_show_story <- get_latest_show_stories(max_items = 1)
latest_show_story

# get 10 latest show stories on Hacker News
latest_10_show_stories <- get_latest_show_stories(max_items = 10)
latest_10_show_stories

# get all latest show stories on Hacker News
latest_show_stories <- get_latest_show_stories()
```



```
latest_show_stories
```

---

```
get_latest_show_stories_ids
```

*Hacker News latest show stories ids*

---

### **Description**

Retrieves latest show stories ids using Hacker News API

### **Usage**

```
get_latest_show_stories_ids()
```

### **Value**

list of latest show Hacker News stories ids

### **Examples**

```
# get ids of latest show stories on Hacker News
show_stories_ids <- get_latest_show_stories_ids()
show_stories_ids
```

---

```
get_max_item_id
```

*Hacker News item largest id*

---

### **Description**

Retrieves largest item id available via Hacker News API

### **Usage**

```
get_max_item_id()
```

### **Value**

current largest item id

### **Examples**

```
# retrieve the id of the latest item
get_max_item_id()
```

get\_new\_stories      *Hacker News newest stories*

---

**Description**

Retrieves newest stories using Hacker News API

**Usage**

```
get_new_stories(max_items = NULL)
```

**Arguments**

max\_items      Maximum number of items to retrieve. If max\_items = NULL, returns all available

**Value**

list of new stories

**Examples**

```
# get the newest story on Hacker News
newest_story <- get_new_stories(max_items = 1)
newest_story

# get all new stories on Hacker News
new_stories <- get_new_stories()
new_stories
```

---

get\_new\_stories\_ids      *Hacker News newest stories ids*

---

**Description**

Retrieves newest stories ids using Hacker News API

**Usage**

```
get_new_stories_ids()
```

**Value**

list of new stories ids

### Examples

```
# get ids of new stories on Hacker News
new_stories_ids <- get_new_stories_ids()
new_stories_ids
```

---

get_top_stories	<i>Hacker News top stories</i>
-----------------	--------------------------------

---

### Description

Retrieves top stories using Hacker News API

### Usage

```
get_top_stories(max_items = NULL)
```

### Arguments

max_items	Maximum number of items to retrieve. If max_items = NULL, returns all available stories
-----------	---

### Value

List of top stories

### Examples

```
# get the top story on Hacker News
top_story <- get_top_stories(max_items = 1)
top_story

# get all top stories on Hacker News
top_stories <- get_top_stories()
top_stories
```

---

get\_top\_stories\_ids     *Hacker News top stories ids*

---

**Description**

Retrieves top stories ids using Hacker News API

**Usage**

```
get_top_stories_ids()
```

**Value**

list of top stories ids

**Examples**

```
# retrieve the ids of current top stories on Hacker News
top_stories_ids <- get_top_stories_ids()
top_stories_ids
```

---

get\_updates             *Hacker News updated profiles*

---

**Description**

Retrieves changed item ids and changed profile usernames using Hacker News API

**Usage**

```
get_updates()
```

**Value**

list of changed item ids and list of changed profile usernames

**Examples**

```
# get ids/usernames of updated items/profiles
hn_updates <- get_updates()
hn_updates
```

---

get\_user\_by\_username    *Get Hacker News user*

---

**Description**

Get user corresponding to the specified username

**Usage**

```
get_user_by_username(username)
```

**Arguments**

username            of the user that should be retrieved

**Value**

user corresponding to the specified username

**Examples**

```
# Retrieve information about the jl user
get_user_by_username("jl")
```

---

print.hn\_item            *Print for "hn\_item" type objects*

---

**Description**

Print for "hn\_item" type objects

**Usage**

```
## S3 method for class 'hn_item'
print(x, ...)
```

**Arguments**

x                    "hn\_item" type list  
...                  further arguments passed to or from other methods

---

print.hn_user	<i>Print for "hn_user" type objects</i>
---------------	---

---

**Description**

Print for "hn\_user" type objects

**Usage**

```
## S3 method for class 'hn_user'  
print(x, ...)
```

**Arguments**

x	"hn_user" type list
...	further arguments passed to or from other methods

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