Package 'vembedr'

July 22, 2025

Title Embed Video in HTML

Version 0.1.5

Description A set of functions for generating HTML to
embed hosted video in your R Markdown documents or Shiny applications.

Depends R (>= 3.3.0)

License MIT + file LICENSE

Encoding UTF-8

Imports htmltools, httr, stringr, magrittr, glue, assertthat, utils,
lifecycle

RoxygenNote 7.1.2

URL https://github.com/ijlyttle/vembedr

BugReports https://github.com/ijlyttle/vembedr/issues

Suggests testthat, knitr, rmarkdown, covr, here, fs, conflicted,
usethis

VignetteBuilder knitr

NeedsCompilation no

Author Ian Lyttle [aut, cre] (ORCID: <https://orcid.org/0000-0001-9962-4849>),
Schneider Electric [cph]

Maintainer Ian Lyttle <ian.lyttle@se.com>

Repository CRAN

Date/Publication 2021-12-11 19:30:02 UTC

Contents

vembedr-package 2
embed 2
embed_url 4
embed_user2016 5
get_service 6
rickroll 7

use_align 7
use_bs_responsive 8
use_rounded 8
use_start_time.vembedr_embed_box 9
vembedr-s3-classes 10

Index **11**

`vembedr-package` *vembedr: Package for embedding video*

Description

The vembedr package lets you embed video into your HTML pages for these services:

Details

- YouTube
- Vimeo
- Box
- Microsoft Stream

It provides two categories of functions:

- **embed** functions, to specify a video to embed: e.g. `embed_youtube()`, `embed_url()`
- **use** functions, to modify the embedding: e.g. `use_start_time()`, `use_rounded()`

You can use the pipe (`|>` or `%>%`) to chain *embed function-calls* with *use function-calls*.

`embed` *Embed video from service*

Description

These functions are used to embed video into your **rmarkdown** html-documents, or into your **shiny** apps. There are functions to embed from YouTube, Vimeo, Microsoft Channel 9 (who host the UseR! 2016 videos), and Box.

Usage

```
embed_box(
  id,
  custom_domain = getOption("vembedr.box_custom_domain"),
  width = NULL,
  height = 300,
  ratio = c("16by9", "4by3"),
  frameborder = 0,
  allowfullscreen = TRUE
)

embed_msstream(
  id,
  width = NULL,
  height = 300,
  ratio = c("16by9", "4by3"),
  query = NULL
)

embed_vimeo(
  id,
  width = NULL,
  height = 300,
  ratio = c("16by9", "4by3"),
  frameborder = 0,
  allowfullscreen = TRUE,
  query = NULL,
  fragment = NULL
)

embed_youtube(
  id,
  width = NULL,
  height = 300,
  ratio = c("16by9", "4by3"),
  frameborder = 0,
  allowfullscreen = TRUE,
  query = NULL
)
```

Arguments

id	character, identifier provided by the service
custom_domain	character, (used by Box) name of Box-instance to use. It can be useful to use getOption("vembedr.box_custom_domain") if you are using a corporate instance of Box. If NULL, it will use the standard Box instance.
width	numeric, width of iframe (px)

height	numeric, height of iframe (px)
ratio	character, indicates aspect ratio for the <iframe/>
frameborder	numeric, size of frame border (px)
allowfullscreen	logical, indicates if to allow fullscreen
query	list, items to include in url-query string
fragment	character, string to include as url-fragment

Details

These services allow you to customize a lot of things by specifying an optional query string. The specification for the query string will differ according to the service being used:

YouTube https://developers.google.com/youtube/player_parameters

Vimeo https://developer.vimeo.com/player/embedding

Box https://developer.box.com/guides/embed/box-embed/#programmatically

Microsoft Stream https://docs.microsoft.com/en-us/stream/portal-embed-video

Value

Object with S3 class vembedr_embed.

See Also

use_start_time()

Examples

```
embed_youtube("dQw4w9WgXcQ")
embed_vimeo("45196609")
embed_box("m5do45hvzw32iv2aors3urf5pgkxxazx")
embed_msstream("ae21b0ac-4a2b-41f4-b3fc-f1720dd20f48")
```

---

embed_url *Embed video based on URL*

Description

You can use this function to embed video using only the URL and you do not need any customization beyond the start-time. It works for all the services supported by the embed() family of functions.

Usage

```
embed_url(url)
```

Arguments

`url`	`character`, URL of web-page for video

Details

This function calls `suggest_embed()` then parses and evaluates the code.

Value

Object with S3 class `vembedr_embed`.

See Also

`suggest_embed()`

Examples

```
embed_url("https://youtu.be/1-vcErOPofQ?t=28s")
```

`embed_user2016` *Embed video from Microsoft Channel 9*

Description

[Deprecated]

These functions are deprecated: links to Microsoft Channel 9 no longer work.

Usage

```
embed_user2016(
  id,
  width = NULL,
  height = 300,
  ratio = c("16by9", "4by3"),
  frameborder = 0,
  allowfullscreen = TRUE
)

embed_user2017(
  id,
  width = NULL,
  height = 300,
  ratio = c("16by9", "4by3"),
  frameborder = 0,
  allowfullscreen = TRUE
)
```

```
rickroll_channel9(...)

embed_channel9(
  id,
  width = NULL,
  height = 300,
  ratio = c("16by9", "4by3"),
  frameborder = 0,
  allowfullscreen = TRUE
)
```

Arguments

id	character, identifier provided by the service
width	numeric, width of iframe (px)
height	numeric, height of iframe (px)
ratio	character, indicates aspect ratio for the <iframe/>
frameborder	numeric, size of frame border (px)
allowfullscreen	logical, indicates if to allow fullscreen
...	arguments (other than id) passed on to embed()

Value

Object with S3 class vembedr_embed.

---

get_service *Determine service based on URL*

Description

Determine service based on URL

Usage

```
get_service(url)
```

Arguments

url	character, URL of web-page for video

Value

character identifying the video service

Examples

```
get_service("https://youtu.be/1-vcErOPofQ?t=28s")
```

rickroll *Embed popular video*

Description

If you want to experiment with the arguments to `embed()`, such as `query`, but do not have a particular video in mind, this function may be useful to you.

Usage

```
rickroll_vimeo(...)

rickroll_youtube(...)
```

Arguments

`...`	arguments (other than `id`) passed on to `embed()`

Details

Please note that the YouTube video seems no longer embeddable.

Value

Object with S3 class `vembedr_embed`.

Examples

```
rickroll_vimeo()
rickroll_youtube()
```

use_align *Align horizontally*

Description

Use this function to specify the horizontal alignment of the `iframe` within the enclosing `div`.

Usage

```
use_align(embed, align = c("left", "right", "center", "justified"))
```

Arguments

`embed`	`vembedr_embed` object, created using an `embed()` function
`align`	`character`, indicates type of alignment

Value

Object with S3 class vembedr_embed.

---

use_bs_responsive *Make size responsive*

Description

If your HTML page includes Twitter Bootstrap 3, you can use this function to make the size of the iframe responsive within the enclosing div.

Usage

```
use_bs_responsive(embed)
```

Arguments

embed	vembedr_embed object, created using an embed() function

Value

Object with S3 class vembedr_embed.

---

use_rounded *Make rounded corners*

Description

You can use this function to make rounded corners for the enclosing .

Usage

```
use_rounded(embed, radius = NULL)
```

Arguments

embed	vembedr_embed object, created using an embed() function
radius	numeric or character, css property for the border-radius for the <iframe/>. Numeric values will be interpreted as number of pixels.

Value

Object with S3 class vembedr_embed.

`use_start_time.vembedr_embed_box` *Specify start time*

Description

This function provides you a consistent way to specify the start time, regardless of the service. Please note that Box does not provide a means to specify the start time.

Usage

```
## S3 method for class 'vembedr_embed_box'
use_start_time(embed, ...)

## S3 method for class 'vembedr_embed_channel9'
use_start_time(embed, start_time, is_paused = TRUE, ...)

## S3 method for class 'vembedr_embed_msstream'
use_start_time(embed, start_time, ...)

## S3 method for class 'vembedr_embed_vimeo'
use_start_time(embed, start_time, ...)

## S3 method for class 'vembedr_embed_youtube'
use_start_time(embed, start_time, ...)

use_start_time(embed, ...)

## Default S3 method:
use_start_time(embed, ...)
```

Arguments

`embed`	`vembedr_embed` object, created using an `embed()` function
`...`	generic arguments to pass through
`start_time`	`numeric` (seconds), or `character` (e.g. `"3m15s"`)
`is_paused`	`logical`, for "Channel 9" specifies if the video should be paused at this time

Details

The `start_time` argument can take a variety of formats; these inputs all evaluate to the same value:

- `"0h1m0s"`, `"0h01m00s"`, `"0h1m"`
- `"1m0s"`, `"1m"`
- `"60s"`, `60`

Please note that for Vimeo, you can specify a start time, but you can not specify that the video be paused at this time. In other words, it is like "autoplay" is set to `TRUE`, and you cannot unset it.

Value

Object with S3 class `vembedr_embed`.

Examples

```
rickroll_youtube() %>%
  use_start_time("3m32s")
```

`vembedr-s3-classes` *vembedr S3 Classes*

Description

Knowledge of these classes is not needed for day-to-day use. Rather, it is a bookkeeping device used to make it clearer to a developer how to add a new service.

Details

We use S3 classes to distinguish an embed object, and to denote which service it uses. Objects of these classes are created by `embed_url()` and each service's embed function.

`vembedr_embed`

- base class for all services
- HTML `<div>`
- contains the embed code

There is an additional class attached according to the service:

- `vembedr_embed_youtube`
- `vembedr_embed_youtube_short`
- `vembedr_embed_vimeo`
- `vembedr_embed_channel9`
- `vembedr_embed_box`
- `vembedr_embed_msstream`

To support parsing, there is an internal S3 class attached to the URL being processed. It is named according to the service:

- `vembedr_url_youtube`
- `vembedr_url_youtube_short`
- `vembedr_url_vimeo`
- `vembedr_url_channel9`
- `vembedr_url_box`
- `vembedr_url_msstream`

Index

∗ **embed**
embed, 2

embed, 2
embed(), *4*, *6–9*
embed_box *(*embed*)*, 2
embed_channel9 *(*embed_user2016*)*, 5
embed_msstream *(*embed*)*, 2
embed_url, 4
embed_url(), *2*, *10*
embed_user2016, 5
embed_user2017 *(*embed_user2016*)*, 5
embed_vimeo *(*embed*)*, 2
embed_youtube *(*embed*)*, 2
embed_youtube(), *2*

get_service, 6

rickroll, 7
rickroll_channel9 *(*embed_user2016*)*, 5
rickroll_vimeo *(*rickroll*)*, 7
rickroll_youtube *(*rickroll*)*, 7

suggest_embed(), *5*

use_align, 7
use_bs_responsive, 8
use_rounded, 8
use_rounded(), *2*
use_start_time
*(*use_start_time.vembedr_embed_box*)*, 9
use_start_time(), *2*, *4*
use_start_time.vembedr_embed_box, 9

vembedr-package, 2
vembedr-s3-classes, 10