

# Package ‘whatthreewords’

October 2, 2023

**Title** Work with the 'what3words' API for Easy Location Referencing

**Version** 0.1.3

**Description** Use the 'what3words' API  
<<https://developer.what3words.com/public-api>> to return three words which uniquely identify every 3m x 3m square on Earth. It is also possible to return coordinates from any valid three words location. Supports multiple languages.

**License** MIT + file LICENSE

**Encoding** UTF-8

**RoxygenNote** 7.2.3

**Imports** httr2, dplyr

**Suggests** knitr, rmarkdown, testthat (>= 3.0.0)

**VignetteBuilder** knitr

**Config/testthat/edition** 3

**URL** <https://davidasmith.github.io/whatthreewords/>

**NeedsCompilation** no

**Author** David Smith [aut, cre, cph] (<<https://orcid.org/0009-0000-8482-3220>>)

**Maintainer** David Smith <david.alex.smith@gmail.com>

**Repository** CRAN

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`coords_from_words`      *Returns the coordinates for a given what3words address*

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**Description**

Returns the coordinates for a given what3words address

**Usage**

```
coords_from_words(words, full_details = FALSE)
```

**Arguments**

`words`                  A what3words location  
`full_details`      FALSE (default) to return only the coordinates. TRUE for full details.

**Value**

If `full_details == FALSE` (the default) a matrix of WGS84 coordinates. Otherwise a list of full details for each what3words location.

**Examples**

```
coords_from_words("hotdog.jumping.frog")
```

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`get_api_key`                  *Gets the value of the WTW\_API\_KEY environment variable*

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**Description**

Gets the value of the WTW\_API\_KEY environment variable

**Usage**

```
get_api_key()
```

**Value**

The value of the WTW\_API\_KEY environment variable.

**Examples**

```
## Not run: get_api_key()
```

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`get_available_languages`

*Gets available languages for use in the what3words API*

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**Description**

Gets available languages for use in the what3words API

**Usage**

```
get_available_languages()
```

**Value**

A dataframe of available languages.

**Examples**

```
get_available_languages()
```

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`words_from_coords`

*Get what3words address from coordinates*

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**Description**

Get what3words address from coordinates

**Usage**

```
words_from_coords(lat, lon, language = "en", full_details = FALSE)
```

**Arguments**

- `lat`            Latitude
- `lon`            Longitude
- `language`      Code for the language of the returned words.
- `full_details`   Whether to return the full details from the API, or only the what3words address for the coordinates.

**Value**

If `full_details` is `FALSE` (the default), returns a character vector of the what3words for the submitted coordinates. Otherwise returns a list of the full details returned by the API.

**Examples**

```
words_from_coords(lat = 51.5095, lon = -0.1266)
```

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