gettext.js Documentation

Release 1.0

Jonas Obrist

Jan 26, 2018

Contents

1 Installation **3**
1.1 Installation . . . 3

2 Usage **5**
2.1 Workflow . . . 5
2.2 Transpile using CLI . . . 5
2.3 Webpack . . . 5
2.4 Using transpiled files . . . 5

3 Reference **7**

4 Changelog **9**
4.1 2.0.0 . . . 9
4.2 1.2 . . . 9
4.3 1.1 . . . 9
4.4 1.0 . . . 10

5 Indices and tables **11**

gettext.js provides a GNU gettext like interface for use in browsers, a MO file to JS transpiler and a webpack loader for MO files.

CHAPTER 1

Installation

1.1 Installation

yarn add gettextjs

CHAPTER 2

Usage

2.1 Workflow

1. Create your po files using your current workflow.
2. Create your mo files using your current workflow.
3. **Choose one of the following:**
   (a) Transpile your mo files to js files using *gettextjs*
   (b) Import your mo files in js and use the webpack loader.

2.2 Transpile using CLI

Transpile all your MO files to JS using *gettextjs* <*input*> <*output*>.

Note that the resulting code is ES7 code (including *import*) and needs to be transpiled before used.

2.3 Webpack

Add the *gettextjs/dist/loader* loader to your webpack config for mo files:

The *babel-loader* is needed because the gettextjs loader outputs ES7, but you can use another loader to do the JS->JS transpilation.

2.4 Using transpiled files

The transpiled files have a default export which is an instance of `Translations()`. They can either be used directly or you can call `set_catalog()` with the instance.

gettext() and *ngettext()* are equivalent to gettext(3) and ngettext(3). *gettext()* takes a single `msgid` and returns the translation for it, if it finds one, or the `msgid`. *ngettext()* is used for translations which may have plurals.

CHAPTER 3

Reference

class Translations (*headers*, *messages*, *plural*)

Arguments

- **string> headers** (*Immutable.Map<string,*) – MO headers.
- **Immutable.List<string>> messages** (*Immutable.Map<string,*) – The translations.
- **=> number plural** (*(number)*) – Function to resolve plural forms.

Usually this class should not be created manually.

Translations.**gettext** (*msgid*)

Arguments

- **msgid** (*string*) – Message ID to look up.

Returns Translated string (or input string if not found).

Translations.**ngettext** (*msgid*, *msgid_plural*, *count*)

Arguments

- **msgid** (*string*) – Message ID for the singular string.
- **msgid_plural** (*string*) – Message ID for the plural string.
- **count** (*number*) – Used to detect whether plural or singular form should be used.

Returns Translated string (or one of the input strings if not found).

set_catalog (*catalog*)

Arguments

- **catalog** (*Gettext*) –

Set a translation as the currently active, global translations.

gettext (*msgid*)

Arguments

- **msgid** (*string*) – Message ID to look up.

Returns Translated string (or input string if not found).

Uses the translations set by `set_catalog()` to translate a message ID.

ngettext (*msgid*, *msgid_plural*, *count*)

Arguments

- **msgid** (*string*) – Message ID for the singular string.
- **msgid_plural** (*string*) – Message ID for the plural string.
- **count** (*number*) – Used to detect whether plural or singular form should be used.

Returns Translated string (or one of the input strings if not found).

Uses the translations set by `set_catalog()` to translate a message ID.

CHAPTER 4

Changelog

4.1 2.0.0

Release data: January 26, 2018

- Re-wrote the whole library.
- Ported MO->JS transpiler to Javascript.
- Added webpack loader to load MO files directly in you sources.
- Removed dependency on `eval` and `new Function`.
- Renamed `gettext.Gettext` to `gettext.Translations`.

4.2 1.2

Release date: January 20, 2017

- Removed `eval` from Javascript runtime.
- Use `yarn` for development Javascript dependencies.

4.3 1.1

Release date: September 24, 2016

- Made the JavaScript runtime an NPM package.
- Removed the `Gettext.load` API. If you want to load catalogs via AJAX, please use the AJAX libary of your choice.
- Added "global" APIs *`set_catalog()`*, *`gettext()`* and *`ngettext()`*.

- Removed docopt as a dependency for the compiler. The compiler now only depends on Python 3.5.

4.4 1.0

Release date: Dec 25, 2015

- Initial release.

CHAPTER 5

Indices and tables

- genindex
- modindex
- search

Index

G

gettext() (built-in function), 7

N

ngettext() (built-in function), 8

S

set_catalog() (built-in function), 7

T

Translations() (class), 7