UnityTranslation

1.0

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Contents

1 Main Page 1

2 Namespace Index 5

2.1 Namespace List . . . 5

3 Hierarchical Index 7

3.1 Class Hierarchy . . . 7

4 Class Index 9

4.1 Class List . . . 9

5 Namespace Documentation 11

5.1 Package UnityTranslation . . . 11

5.1.1 Detailed Description . . . 14

5.1.2 Enumeration Type Documentation . . . 14

5.1.2.1 Language . . . 14

5.2 Package UnityTranslationInternal . . . 28

5.2.1 Detailed Description . . . 28

5.2.2 Enumeration Type Documentation . . . 28

5.2.2.1 PluralsQuantity . . . 28

6 Class Documentation 29

6.1 UnityTranslation.AvailableLanguages Class Reference . . . 29

6.1.1 Detailed Description . . . 29

6.1.2 Member Data Documentation . . . 29

6.1.2.1 list . . . 29

6.2 UnityTranslation.LanguageCode Class Reference . . . 29

6.2.1 Detailed Description . . . 30

6.2.2 Member Function Documentation . . . 30

6.2.2.1 codeToLanguage . . . 30

6.2.2.2 languageToCode . . . 30

6.2.3 Member Data Documentation . . . 30

6.2.3.1 codes . . . 30

6.3 UnityTranslation.LanguageName Class Reference . . . 31
6.3.1 Detailed Description . . . 31
6.3.2 Member Function Documentation . . . 31
6.3.2.1 languageToName . . . 31
6.3.2.2 nameToLanguage . . . 31
6.3.3 Member Data Documentation . . . 32
6.3.3.1 names . . . 32
6.4 UnityTranslation.LanguageSystemName Class Reference . . . 32
6.4.1 Detailed Description . . . 32
6.4.2 Member Function Documentation . . . 32
6.4.2.1 languageToSystemLanguage . . . 32
6.4.2.2 systemLanguageToLanguage . . . 33
6.4.3 Member Data Documentation . . . 33
6.4.3.1 languages . . . 33
6.4.3.2 systemLanguages . . . 33
6.5 UnityTranslationInternal.PluralsRules Class Reference . . . 33
6.5.1 Detailed Description . . . 34
6.5.2 Member Function Documentation . . . 34
6.5.2.1 PluralsFunction . . . 34
6.5.3 Member Data Documentation . . . 34
6.5.3.1 pluralsFunctions . . . 34
6.6 UnityTranslation.R Class Reference . . . 34
6.6.1 Detailed Description . . . 35
6.6.2 Member Enumeration Documentation . . . 35
6.6.2.1 array . . . 35
6.6.2.2 plurals . . . 35
6.6.2.3 strings . . . 35
6.6.3 Member Data Documentation . . . 35
6.6.3.1 tokenIds . . . 35
6.7 UnityTranslationInternal.Translator.SectionLocaleTokens Class Reference . . . 36
6.7.1 Detailed Description . . . 36
6.7.2 Constructor & Destructor Documentation . . . 36
6.7.2.1 SectionLocaleTokens . . . 36
6.7.3 Member Data Documentation . . . 37
6.7.3.1 pluralsValues . . . 37
6.7.3.2 stringArrayValues . . . 37
6.7.3.3 stringValues . . . 37
6.8 UnityTranslation.R.sections Class Reference . . . 37
6.8.1 Detailed Description . . . 37
6.8.2 Member Enumeration Documentation . . . 38

6.8.2.1 SectionID . . . 38
6.8.3 Member Data Documentation . . . 38
6.8.3.1 xmlFiles . . . 38
6.9 UnityTranslationInternal.Translator.SectionTokens Class Reference . . . 38
6.9.1 Detailed Description . . . 38
6.9.2 Constructor & Destructor Documentation . . . 39
6.9.2.1 SectionTokens . . . 39
6.9.3 Member Data Documentation . . . 39
6.9.3.1 defaultLanguage . . . 39
6.9.3.2 selectedLanguage . . . 39
6.10 UnityTranslation.TextAutoTranslation Class Reference . . . 39
6.10.1 Detailed Description . . . 39
6.10.2 Member Function Documentation . . . 40
6.10.2.1 OnLanguageChanged . . . 40
6.10.3 Member Data Documentation . . . 40
6.10.3.1 id . . . 40
6.11 UnityTranslation.Translator Class Reference . . . 40
6.11.1 Detailed Description . . . 41
6.11.2 Member Function Documentation . . . 41
6.11.2.1 addLanguageChangedListener . . . 41
6.11.2.2 getQuantityString . . . 41
6.11.2.3 getQuantityString . . . 41
6.11.2.4 getString . . . 42
6.11.2.5 getString . . . 42
6.11.2.6 getStringArray . . . 42
6.11.2.7 IsSectionLoaded . . . 42
6.11.2.8 LoadSection . . . 43
6.11.2.9 removeLanguageChangedListener . . . 43
6.11.2.10 UnloadSection . . . 43
6.11.3 Property Documentation . . . 43
6.11.3.1 language . . . 43
6.12 UnityTranslationInternal.Translator Class Reference . . . 43
6.12.1 Detailed Description . . . 44
6.12.2 Member Function Documentation . . . 44
6.12.2.1 addLanguageChangedListener . . . 44
6.12.2.2 IsSectionLoaded . . . 45
6.12.2.3 LoadSection . . . 45
6.12.2.4 removeLanguageChangedListener . . . 45
6.12.2.5 UnloadSection . . . 45
6.12.3 Member Data Documentation . . . 45

6.12.3.1 tokens . . . 45
6.12.4 Property Documentation . . . 46
6.12.4.1 language . . . 46
6.13 UnityTranslationInternal.Utils Class Reference . . . 46
6.13.1 Detailed Description . . . 46
6.13.2 Member Function Documentation . . . 46
6.13.2.1 checkTokenName . . . 46
6.13.2.2 processTokenValue . . . 46

Index **49**

Chapter 1

Main Page

UnityTranslation is a localization system that looks the same as Android localization system.

Main advantages:

- Based on CLDR 26.0.1
- Supporting 610 languages
- Supporting plurals
- Language hierarchy. Language en contains common translations for en-US and for en-GB while en-US and en-GB has some language specific translations
- Dynamically loadable/unloadable sections with tokens
- Code generator that provide source code to user with the best performance

Demo: http://gris.ucoz.ru/UnityModules/UnityTranslate/Web/UnityTranslation.html

Unity Asset Store: http://u3d.as/bex

Description:

All translatable tokens should be provided in Assets/Resources/res/values/strings.xml file

Please follow link below for xml file format description:

http://developer.android.com/guide/topics/resources/string-resource.html

If you want to add new language in your application just create the same xml file in Assets/Resources/res/values-CODE, where CODE is a language code with 2-3 letters length.

Please check LanguageCode class in Language.cs file to get list of language codes.

Run your application to recreate AvailableLanguages.cs file with the set of specified languages in Assets/Resources/res folder.

> **WARNING!!!**
>
> Please note that code generator works only when you are using UnityTranslation somewhere.
>
> All set of tokens are stored in R.cs file.

Example:

```
00001 using UnityTranslation;
00002
00003 string hello = Translator.getString(R.strings.hello_world);
```

It is also possible to use string format arguments in localization.

```
00001 using UnityTranslation;
00002
00003 string hello = Translator.getString(R.strings.hello_my_dear, "friend"); // Where
       R.strings.hello_my_dear = "Hello, my dear {0}!"
```

Plurals:

Some languages has specific rules for localizable string according to provided quantity.

To get more information about plurals please follow link below:

http://developer.android.com/guide/topics/resources/string-resource.html#Plurals

Example:

```
00001 using UnityTranslation;  int amountOfDogs = 3;
00002
00003 string dogs = Translator.getQuantityString(R.plurals.dogs, amountOfDogs, amountOfDogs);
```

Sections:

Section is a set of tokens that might be loaded/unloaded in Runtime. You have to create xml file with some name in Assets/Resources/res/value folder.

Code generator will try to convert xml file name to section ID.

Please note that xml file name should be different from strings.xml.

To use section tokens just provide token ID specified in R.sections.SECTION_NAME.

Example:

```
00001 using UnityTranslation;
00002
00003 string[] fruits = Translator.getStringArray(R.sections.MySection.array.fruits);
```

It will load section tokens automatically if it's not loaded yet.

If you want to load/unload section manually you have to call Translator.LoadSection and Translator.UnloadSection methods.

Example:

```
00001 using UnityTranslation;
00002
00003 Translator.LoadSection(R.sections.SectionID.MySection);
00004 Translator.UnloadSection(R.sections.SectionID.MySection);
```

Language changed listeners:

You can provide listener to handle language changed event in your application.

Please do not forget to remove listener when it is not needed.

Example:

```
00001 using UnityTranslation;
00002
00003 void Start()
00004 {
00005     mText = GetComponentText();
00006
00007     Translator.addLanguageChangedListener(OnLanguageChanged);
00008 }
00009
00010 void OnDestroy()
00011 {
00012     Translator.removeLanguageChangedListener(OnLanguageChanged);
00013 }
00014
00015 public void OnLanguageChanged()
00016 {
00017     mText.text = Translator.getString(id);
00018 }
```

WARNING!!!

When you call addLanguageChangedListener it will automatically invoke listener method!

Please feal free to contact with me if you meet some errors.

e-mail: gris87@yandex.ru

Links:

Site: http://gris.ucoz.ru/index/unitytranslation/0-15

Unity Asset Store: http://u3d.as/bex

GitHub: https://github.com/Gris87/UnityTranslation

See also:

Strings.xml file format: http://developer.android.com/guide/topics/resources/string-resource.html

Plurals: http://developer.android.com/guide/topics/resources/string-resource.html#Plurals

Chapter 2

Namespace Index

2.1 Namespace List

Here is a list of all documented namespaces with brief descriptions:

UnityTranslation
: The UnityTranslation namespace contains classes for localization strings. 11

UnityTranslationInternal
: The UnityTranslationInternal namespace contains special classes that UnityTranslation package uses internally. 28

Chapter 3

Hierarchical Index

3.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

UnityTranslation.AvailableLanguages 29
UnityTranslation.LanguageCode 29
UnityTranslation.LanguageName 31
UnityTranslation.LanguageSystemName 32
MonoBehaviour
    UnityTranslation.TextAutoTranslation 39
UnityTranslationInternal.PluralsRules 33
UnityTranslation.R 34
UnityTranslationInternal.Translator.SectionLocaleTokens 36
UnityTranslation.R.sections 37
UnityTranslationInternal.Translator.SectionTokens 38
UnityTranslation.Translator 40
UnityTranslationInternal.Translator 43
UnityTranslationInternal.Utils 46

Chapter 4

Class Index

4.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

UnityTranslation.AvailableLanguages
Container for all languages specified in "Assets/Resources/res" . . . 29
UnityTranslation.LanguageCode
This class provides methods for converting language code to Language enum and Language enum to language code . . . 29
UnityTranslation.LanguageName
This class provides methods for converting language name to Language enum and Language enum to language name . . . 31
UnityTranslation.LanguageSystemName
This class provides methods for converting SystemLanguage enum to Language enum and Language enum to SystemLanguage enum . . . 32
UnityTranslationInternal.PluralsRules
Container for all plurals rules for each language. . . . 33
UnityTranslation.R
Container for all tokens specified in xml files in "Assets/Resources/res/values". . . . 34
UnityTranslationInternal.Translator.SectionLocaleTokens
Group of localized strings that cached for a single language. . . . 36
UnityTranslation.R.sections
Container for dynamically loadable tokens specified in non strings.xml files. . . . 37
UnityTranslationInternal.Translator.SectionTokens
Default strings and localized strings of selected language for a single section. . . . 38
UnityTranslation.TextAutoTranslation
Script for auto-translating Text component. . . . 39
UnityTranslation.Translator
UnityTranslation Translator class that has methods for getting localized strings. Translator provide localization in the same way as in Android localization system . . . 40
UnityTranslationInternal.Translator
UnityTranslation internal Translator class that has methods for getting localized strings. Translator provide localization in the same way as in Android localization system . . . 43
UnityTranslationInternal.Utils
Class with utilities for UnityTranslation. . . . 46

Chapter 5

Namespace Documentation

5.1 Package UnityTranslation

The UnityTranslation namespace contains classes for localization strings.

Classes

- class AvailableLanguages

  Container for all languages specified in "Assets/Resources/res"

- class LanguageCode

  This class provides methods for converting language code to Language enum and Language enum to language code

- class LanguageName

  This class provides methods for converting language name to Language enum and Language enum to language name

- class LanguageSystemName

  This class provides methods for converting SystemLanguage enum to Language enum and Language enum to SystemLanguage enum

- class R

  Container for all tokens specified in xml files in "Assets/Resources/res/values".

- class TextAutoTranslation

  Script for auto-translating Text component.

- class Translator

  UnityTranslation Translator class that has methods for getting localized strings. Translator provide localization in the same way as in Android localization system.

Enumerations

- enum Language {
  Language.Default, Language.Afar, Language.Abkhazian, Language.Achinese,
  Language.Acoli, Language.Adangme, Language.Adyghe, Language.Avestan,
  Language.TunisianArabic, Language.Afrikaans, Language.Afrihili, Language.Aghem,
  Language.Ainu, Language.Akan, Language.Akkadian, Language.Alabama,
  Language.Aleut, Language.GhegAlbanian, Language.SouthernAltai, Language.Amharic,
  Language.Aragonese, Language.OldEnglish, Language.Angika, Language.Arabic,
  Language.ModernStandardArabic, Language.Aramaic, Language.Mapuche, Language.Araona,
  Language.Arapaho, Language.AlgerianArabic, Language.Arawak, Language.MoroccanArabic,
  Language.EgyptianArabic, Language.Assamese, Language.Asu, Language.AmericanSignLanguage,
  Language.Asturian, Language.Avaric, Language.Kotava, Language.Awadhi,
  Language.Aymara, Language.Azerbaijani, Language.Azeri, Language.SouthAzerbaijani,
  Language.Bashkir, Language.Baluchi, Language.Balinese, Language.Bavarian,
  Language.Basaa, Language.Bamun, Language.BatakToba, Language.Ghomala,
  Language.Belarusian, Language.Beja, Language.Bemba, Language.Betawi,
  Language.Bena, Language.Bafut, Language.Badaga, Language.Bulgarian,
  Language.Bhojpuri, Language.Bislama, Language.Bikol, Language.Bini,
  Language.Banjar, Language.Kom, Language.Siksika, Language.Bambara,
  Language.Bengali, Language.Tibetan, Language.Bishnupriya, Language.Bakhtiari,
  Language.Breton, Language.Braj, Language.Brahui, Language.Bodo,
  Language.Bosnian, Language.Akoose, Language.Buriat, Language.Buginese,
  Language.Bulu, Language.Blin, Language.Medumba, Language.Catalan,
  Language.Caddo, Language.Carib, Language.Cayuga, Language.Atsam,
  Language.Chechen, Language.Cebuano, Language.Chiga, Language.Chamorro,
  Language.Chibcha, Language.Chagatai, Language.Chuukese, Language.Mari,
  Language.ChinookJargon, Language.Choctaw, Language.Chipewyan, Language.Cherokee,
  Language.Cheyenne, Language.SoraniKurdish, Language.Corsican, Language.Coptic,
  Language.Capiznon, Language.Cree, Language.CrimeanTurkish, Language.Czech,
  Language.Kashubian, Language.ChurchSlavic, Language.Chuvash, Language.Welsh,
  Language.Danish, Language.Dakota, Language.Dargwa, Language.Taita,
  Language.German, Language.AustrianGerman, Language.SwissHighGerman, Language.Delaware,
  Language.Slave, Language.Dogrib, Language.Dinka, Language.Zarma,
  Language.Dogri, Language.LowerSorbian, Language.CentralDusun, Language.Duala,
  Language.MiddleDutch, Language.Divehi, Language.JolaFonyi, Language.Dyula,
  Language.Dzongkha, Language.Dazaga, Language.Embu, Language.Ewe,
  Language.Efik, Language.Emilian, Language.AncientEgyptian, Language.Ekajuk,
  Language.Greek, Language.Elamite, Language.English, Language.AustralianEnglish,
  Language.CanadianEnglish, Language.BritishEnglish, Language.UKEnglish, Language.AmericanEnglish,
  Language.USEnglish, Language.MiddleEnglish, Language.Esperanto, Language.Spanish,
  Language.LatinAmericanSpanish, Language.EuropeanSpanish, Language.MexicanSpanish, Language.↩

CentralYupik,
Language.Estonian, Language.Basque, Language.Ewondo, Language.Extremaduran,
Language.Persian, Language.Fang, Language.Fanti, Language.Fulah,
Language.Finnish, Language.Filipino, Language.TornedalenFinnish, Language.Fijian,
Language.Faroese, Language.Fon, Language.French, Language.CanadianFrench,
Language.SwissFrench, Language.CajunFrench, Language.MiddleFrench, Language.OldFrench,
Language.Arpitan, Language.NorthernFrisian, Language.EasternFrisian, Language.Friulian,
Language.WesternFrisian, Language.Irish, Language.Ga, Language.Gagauz,
Language.GanChinese, Language.Gayo, Language.Gbaya, Language.ZoroastrianDari,
Language.ScottishGaelic, Language.Geez, Language.Gilbertese, Language.Galician,
Language.Gilaki, Language.MiddleHighGerman, Language.Guarani, Language.OldHighGerman,
Language.GoanKonkani, Language.Gondi, Language.Gorontalo, Language.Gothic,
Language.Grebo, Language.AncientGreek, Language.SwissGerman, Language.Gujarati,
Language.Wayuu, Language.Frafra, Language.Gusii, Language.Manx,
Language.Gwichin, Language.Hausa, Language.Haida, Language.HakkaChinese,
Language.Hawaiian, Language.Hebrew, Language.Hindi, Language.FijiHindi,
Language.Hiligaynon, Language.Hittite, Language.Hmong, Language.HiriMotu,
Language.Croatian, Language.UpperSorbian, Language.XiangChinese, Language.Haitian,
Language.Hungarian, Language.Hupa, Language.Armenian, Language.Herero,
Language.Interlingua, Language.Iban, Language.Ibibio, Language.Indonesian,
Language.Interlingue, Language.Igbo, Language.SichuanYi, Language.Inupiaq,
Language.Iloko, Language.Ingush, Language.Ido, Language.Icelandic,
Language.Italian, Language.Inuktitut, Language.Ingrian, Language.Japanese,
Language.JamaicanCreoleEnglish, Language.Lojban, Language.Ngomba, Language.Machame,
Language.JudeoPersian, Language.JudeoArabic, Language.Jutish, Language.Javanese,
Language.Georgian, Language.KaraKalpak, Language.Kabyle, Language.Kachin,
Language.Jju, Language.Kamba, Language.Kawi, Language.Kabardian,
Language.Kanembu, Language.Tyap, Language.Makonde, Language.Kabuverdianu,
Language.Kenyang, Language.Koro, Language.Kongo, Language.Kaingang,
Language.Khasi, Language.Khotanese, Language.KoyraChiini, Language.Khowar,
Language.Kikuyu, Language.Kirmanjki, Language.Kuanyama, Language.Kazakh,
Language.Kako, Language.Kalaallisut, Language.Kalenjin, Language.Khmer,
Language.Kimbundu, Language.Kannada, Language.Korean, Language.KomiPermyak,
Language.Konkani, Language.Kosraean, Language.Kpelle, Language.Kanuri,
Language.KarachayBalkar, Language.Krio, Language.KinarayA, Language.Karelian,
Language.Kurukh, Language.Kashmiri, Language.Shambala, Language.Bafia,
Language.Colognian, Language.Kurdish, Language.Kumyk, Language.Kutenai,
Language.Komi, Language.Cornish, Language.Kyrgyz, Language.Kirghiz,
Language.Latin, Language.Ladino, Language.Langi, Language.Lahnda,
Language.Lamba, Language.Luxembourgish, Language.Lezghian, Language.LinguaFrancaNova,
Language.Ganda, Language.Limburgish, Language.Ligurian, Language.Livonian,
Language.Lakota, Language.Lombard, Language.Lingala, Language.Lao,
Language.Mongo, Language.Lozi, Language.Lithuanian, Language.Latgalian,
Language.LubaKatanga, Language.LubaLulua, Language.Luiseno, Language.Lunda,
Language.Luo, Language.Mizo, Language.Luyia, Language.Latvian,
Language.LiteraryChinese, Language.Laz, Language.Madurese, Language.Mafa,
Language.Magahi, Language.Maithili, Language.Makasar, Language.Mandingo,
Language.Masai, Language.Maba, Language.Moksha, Language.Mandar,
Language.Mende, Language.Meru, Language.Morisyen, Language.Malagasy,
Language.MiddleIrish, Language.MakhuwaMeetto, Language.Meta, Language.Marshallese,
Language.Maori, Language.Micmac, Language.Minangkabau, Language.Macedonian,
Language.Malayalam, Language.Mongolian, Language.Manchu, Language.Manipuri,
Language.Mohawk, Language.Mossi, Language.Marathi, Language.WesternMari,
Language.Malay, Language.Maltese, Language.Mundang, Language.MultipleLanguages,
Language.Creek, Language.Mirandese, Language.Marwari, Language.Mentawai,
Language.Burmese, Language.Myene, Language.Erzya, Language.Mazanderani,
Language.Nauru, Language.MinNanChinese, Language.Neapolitan, Language.Nama,
Language.NorwegianBokmal, Language.NorthNdebele, Language.LowGerman, Language.Nepali,
Language.Newari, Language.Ndonga, Language.Nias, Language.Niuean,
Language.AoNaga, Language.Dutch, Language.Flemish, Language.Kwasio,
Language.NorwegianNynorsk, Language.Nyamboon, Language.Norwegian, Language.Nogai,
Language.OldNorse, Language.Novial, Language.Nko, Language.SouthNdebele,
Language.NorthernSotho, Language.Nuer, Language.Navajo, Language.ClassicalNewari,
Language.Nyanja, Language.Nyamwezi, Language.Nyankole, Language.Nyoro,

Language.NoLinguisticContent, Language.Zaza, Language.Count }

Language. This enumeration contains list of supported languages.

5.1.1 Detailed Description

The UnityTranslation namespace contains classes for localization strings.

5.1.2 Enumeration Type Documentation

5.1.2.1 enum UnityTranslation.Language

Language. This enumeration contains list of supported languages.

Enumerator

Default Default language. Equivalent for English.

Afar Afar. Code: aa

Abkhazian Abkhazian. Code: ab

Achinese Achinese. Code: ace

Acoli Acoli. Code: ach

Adangme Adangme. Code: ada

Adyghe Adyghe. Code: ady

Avestan Avestan. Code: ae

TunisianArabic Tunisian Arabic. Code: aeb

Afrikaans Afrikaans. Code: af

Afrihili Afrihili. Code: afh

Aghem Aghem. Code: agq

Ainu Ainu. Code: ain

Akan Akan. Code: ak

Akkadian Akkadian. Code: akk

Alabama Alabama. Code: akz

Aleut Aleut. Code: ale

GhegAlbanian Gheg Albanian. Code: aln

SouthernAltai Southern Altai. Code: alt

Amharic Amharic. Code: am

Aragonese Aragonese. Code: an

OldEnglish Old English. Code: ang

Angika Angika. Code: anp

Arabic Arabic. Code: ar

ModernStandardArabic Modern Standard Arabic. Code: ar-001

Aramaic Aramaic. Code: arc

Mapuche Mapuche. Code: arn

Araona Araona. Code: aro

Arapaho Arapaho. Code: arp

AlgerianArabic Algerian Arabic. Code: arq

Arawak Arawak. Code: arw

MoroccanArabic Moroccan Arabic. Code: ary

EgyptianArabic Egyptian Arabic. Code: arz

Assamese Assamese. Code: as

Asu Asu. Code: asa

AmericanSignLanguage American Sign Language. Code: ase

Asturian Asturian. Code: ast

Avaric Avaric. Code: av

Kotava Kotava. Code: avk

Awadhi Awadhi. Code: awa

Aymara Aymara. Code: ay

Azerbaijani Azerbaijani. Code: az

Azeri Azeri. Code: az-alt-short

SouthAzerbaijani South Azerbaijani. Code: azb

Bashkir Bashkir. Code: ba

Baluchi Baluchi. Code: bal

Balinese Balinese. Code: ban

Bavarian Bavarian. Code: bar

Basaa Basaa. Code: bas

Bamun Bamun. Code: bax

BatakToba Batak Toba. Code: bbc

Ghomala Ghomala. Code: bbj

Belarusian Belarusian. Code: be

Beja Beja. Code: bej

Bemba Bemba. Code: bem

Betawi Betawi. Code: bew

Bena Bena. Code: bez

Bafut Bafut. Code: bfd

Badaga Badaga. Code: bfq

Bulgarian Bulgarian. Code: bg

Bhojpuri Bhojpuri. Code: bho

Bislama Bislama. Code: bi

Bikol Bikol. Code: bik

Bini Bini. Code: bin

Banjar Banjar. Code: bjn

Kom Kom. Code: bkm

Siksika Siksika. Code: bla

Bambara Bambara. Code: bm

Bengali Bengali. Code: bn

Tibetan Tibetan. Code: bo

Bishnupriya Bishnupriya. Code: bpy

Bakhtiari Bakhtiari. Code: bqi

Breton Breton. Code: br

Braj Braj. Code: bra

Brahui Brahui. Code: brh

Bodo Bodo. Code: brx

Bosnian Bosnian. Code: bs

Akoose Akoose. Code: bss

Buriat Buriat. Code: bua

Buginese Buginese. Code: bug

Bulu Bulu. Code: bum

Blin Blin. Code: byn

Medumba Medumba. Code: byv

Catalan Catalan. Code: ca

Caddo Caddo. Code: cad

Carib Carib. Code: car

Cayuga Cayuga. Code: cay

Atsam Atsam. Code: cch

Chechen Chechen. Code: ce

Cebuano Cebuano. Code: ceb

Chiga Chiga. Code: cgg

Chamorro Chamorro. Code: ch

Chibcha Chibcha. Code: chb

Chagatai Chagatai. Code: chg

Chuukese Chuukese. Code: chk

Mari Mari. Code: chm

ChinookJargon Chinook Jargon. Code: chn

Choctaw Choctaw. Code: cho

Chipewyan Chipewyan. Code: chp

Cherokee Cherokee. Code: chr

Cheyenne Cheyenne. Code: chy

SoraniKurdish Sorani Kurdish. Code: ckb

Corsican Corsican. Code: co

Coptic Coptic. Code: cop

Capiznon Capiznon. Code: cps

Cree Cree. Code: cr

CrimeanTurkish Crimean Turkish. Code: crh

Czech Czech. Code: cs

Kashubian Kashubian. Code: csb

ChurchSlavic Church Slavic. Code: cu

Chuvash Chuvash. Code: cv

Welsh Welsh. Code: cy

Danish Danish. Code: da

Dakota Dakota. Code: dak

Dargwa Dargwa. Code: dar

Taita Taita. Code: dav

German German. Code: de

AustrianGerman Austrian German. Code: de-AT

SwissHighGerman Swiss High German. Code: de-CH

Delaware Delaware. Code: del

Slave Slave. Code: den

Dogrib Dogrib. Code: dgr

Dinka Dinka. Code: din

Zarma Zarma. Code: dje

Dogri Dogri. Code: doi

LowerSorbian Lower Sorbian. Code: dsb

CentralDusun Central Dusun. Code: dtp

Duala Duala. Code: dua

MiddleDutch Middle Dutch. Code: dum

Divehi Divehi. Code: dv

JolaFonyi Jola-Fonyi. Code: dyo

Dyula Dyula. Code: dyu

Dzongkha Dzongkha. Code: dz

Dazaga Dazaga. Code: dzg

Embu Embu. Code: ebu

Ewe Ewe. Code: ee

Efik Efik. Code: efi

Emilian Emilian. Code: egl

AncientEgyptian Ancient Egyptian. Code: egy

Ekajuk Ekajuk. Code: eka

Greek Greek. Code: el

Elamite Elamite. Code: elx

English English. Code: en

AustralianEnglish Australian English. Code: en-AU

CanadianEnglish Canadian English. Code: en-CA

BritishEnglish British English. Code: en-GB

UKEnglish U.K. English. Code: en-GB-alt-short

AmericanEnglish American English. Code: en-US

USEnglish U.S. English. Code: en-US-alt-short

MiddleEnglish Middle English. Code: enm

Esperanto Esperanto. Code: eo

Spanish Spanish. Code: es

LatinAmericanSpanish Latin American Spanish. Code: es-419

EuropeanSpanish European Spanish. Code: es-ES

MexicanSpanish Mexican Spanish. Code: es-MX

CentralYupik Central Yupik. Code: esu

Estonian Estonian. Code: et

Basque Basque. Code: eu

Ewondo Ewondo. Code: ewo

Extremaduran Extremaduran. Code: ext

Persian Persian. Code: fa

Fang Fang. Code: fan

Fanti Fanti. Code: fat

Fulah Fulah. Code: ff

Finnish Finnish. Code: fi

Filipino Filipino. Code: fil

TornedalenFinnish Tornedalen Finnish. Code: fit

Fijian Fijian. Code: fj

Faroese Faroese. Code: fo

Fon Fon. Code: fon

French French. Code: fr

CanadianFrench Canadian French. Code: fr-CA

SwissFrench Swiss French. Code: fr-CH

CajunFrench Cajun French. Code: frc

MiddleFrench Middle French. Code: frm

OldFrench Old French. Code: fro

Arpitan Arpitan. Code: frp

NorthernFrisian Northern Frisian. Code: frr

EasternFrisian Eastern Frisian. Code: frs

Friulian Friulian. Code: fur

WesternFrisian Western Frisian. Code: fy

Irish Irish. Code: ga

Ga Ga. Code: gaa

Gagauz Gagauz. Code: gag

GanChinese Gan Chinese. Code: gan

Gayo Gayo. Code: gay

Gbaya Gbaya. Code: gba

ZoroastrianDari Zoroastrian Dari. Code: gbz

ScottishGaelic Scottish Gaelic. Code: gd

Geez Geez. Code: gez

Gilbertese Gilbertese. Code: gil

Galician Galician. Code: gl

Gilaki Gilaki. Code: glk

MiddleHighGerman Middle High German. Code: gmh

Guarani Guarani. Code: gn

OldHighGerman Old High German. Code: goh

GoanKonkani Goan Konkani. Code: gom

Gondi Gondi. Code: gon

Gorontalo Gorontalo. Code: gor

Gothic Gothic. Code: got

Grebo Grebo. Code: grb

AncientGreek Ancient Greek. Code: grc

SwissGerman Swiss German. Code: gsw

Gujarati Gujarati. Code: gu

Wayuu Wayuu. Code: guc

Frafra Frafra. Code: gur

Gusii Gusii. Code: guz

Manx Manx. Code: gv

Gwichin Gwichin. Code: gwi

Hausa Hausa. Code: ha

Haida Haida. Code: hai

HakkaChinese Hakka Chinese. Code: hak

Hawaiian Hawaiian. Code: haw

Hebrew Hebrew. Code: he

Hindi Hindi. Code: hi

FijiHindi Fiji Hindi. Code: hif

Hiligaynon Hiligaynon. Code: hil

Hittite Hittite. Code: hit

Hmong Hmong. Code: hmn

HiriMotu Hiri Motu. Code: ho

Croatian Croatian. Code: hr

UpperSorbian Upper Sorbian. Code: hsb

XiangChinese Xiang Chinese. Code: hsn

Haitian Haitian. Code: ht

Hungarian Hungarian. Code: hu

Hupa Hupa. Code: hup

Armenian Armenian. Code: hy

Herero Herero. Code: hz

Interlingua Interlingua. Code: ia

Iban Iban. Code: iba

Ibibio Ibibio. Code: ibb

Indonesian Indonesian. Code: id

Interlingue Interlingue. Code: ie

Igbo Igbo. Code: ig

SichuanYi Sichuan Yi. Code: ii

Inupiaq Inupiaq. Code: ik

Iloko Iloko. Code: ilo

Ingush Ingush. Code: inh

Ido Ido. Code: io

Icelandic Icelandic. Code: is

Italian Italian. Code: it

Inuktitut Inuktitut. Code: iu

Ingrian Ingrian. Code: izh

Japanese Japanese. Code: ja

JamaicanCreoleEnglish Jamaican Creole English. Code: jam

Lojban Lojban. Code: jbo

Ngomba Ngomba. Code: jgo

Machame Machame. Code: jmc

JudeoPersian Judeo-Persian. Code: jpr

JudeoArabic Judeo-Arabic. Code: jrb

Jutish Jutish. Code: jut

Javanese Javanese. Code: jv

Georgian Georgian. Code: ka

KaraKalpak Kara-Kalpak. Code: kaa

Kabyle Kabyle. Code: kab

Kachin Kachin. Code: kac

Jju Jju. Code: kaj

Kamba Kamba. Code: kam

Kawi Kawi. Code: kaw

Kabardian Kabardian. Code: kbd

Kanembu Kanembu. Code: kbl

Tyap Tyap. Code: kcg

Makonde Makonde. Code: kde

Kabuverdianu Kabuverdianu. Code: kea

Kenyang Kenyang. Code: ken

Koro Koro. Code: kfo

Kongo Kongo. Code: kg

Kaingang Kaingang. Code: kgp

Khasi Khasi. Code: kha

Khotanese Khotanese. Code: kho

KoyraChiini Koyra Chiini. Code: khq

Khowar Khowar. Code: khw

Kikuyu Kikuyu. Code: ki

Kirmanjki Kirmanjki. Code: kiu

Kuanyama Kuanyama. Code: kj

Kazakh Kazakh. Code: kk

Kako Kako. Code: kkj

Kalaallisut Kalaallisut. Code: kl

Kalenjin Kalenjin. Code: kln

Khmer Khmer. Code: km

Kimbundu Kimbundu. Code: kmb

Kannada Kannada. Code: kn

Korean Korean. Code: ko

KomiPermyak Komi-Permyak. Code: koi

Konkani Konkani. Code: kok

Kosraean Kosraean. Code: kos

Kpelle Kpelle. Code: kpe

Kanuri Kanuri. Code: kr

KarachayBalkar Karachay-Balkar. Code: krc

Krio Krio. Code: kri

KinarayA Kinaray-a. Code: krj

Karelian Karelian. Code: krl

Kurukh Kurukh. Code: kru

Kashmiri Kashmiri. Code: ks

Shambala Shambala. Code: ksb

Bafia Bafia. Code: ksf

Colognian Colognian. Code: ksh

Kurdish Kurdish. Code: ku

Kumyk Kumyk. Code: kum

Kutenai Kutenai. Code: kut

Komi Komi. Code: kv

Cornish Cornish. Code: kw

Kyrgyz Kyrgyz. Code: ky

Kirghiz Kirghiz. Code: ky-alt-variant

Latin Latin. Code: la

Ladino Ladino. Code: lad

Langi Langi. Code: lag

Lahnda Lahnda. Code: lah

Lamba Lamba. Code: lam

Luxembourgish Luxembourgish. Code: lb

Lezghian Lezghian. Code: lez

LinguaFrancaNova Lingua Franca Nova. Code: lfn

Ganda Ganda. Code: lg

Limburgish Limburgish. Code: li

Ligurian Ligurian. Code: lij

Livonian Livonian. Code: liv

Lakota Lakota. Code: lkt

Lombard Lombard. Code: lmo

Lingala Lingala. Code: ln

Lao Lao. Code: lo

Mongo Mongo. Code: lol

Lozi Lozi. Code: loz

Lithuanian Lithuanian. Code: lt

Latgalian Latgalian. Code: ltg

LubaKatanga Luba-Katanga. Code: lu

LubaLulua Luba-Lulua. Code: lua

Luiseno Luiseno. Code: lui

Lunda Lunda. Code: lun

Luo Luo. Code: luo

Mizo Mizo. Code: lus

Luyia Luyia. Code: luy

Latvian Latvian. Code: lv

LiteraryChinese Literary Chinese. Code: lzh

Laz Laz. Code: lzz

Madurese Madurese. Code: mad

Mafa Mafa. Code: maf

Magahi Magahi. Code: mag

Maithili Maithili. Code: mai

Makasar Makasar. Code: mak

Mandingo Mandingo. Code: man

Masai Masai. Code: mas

Maba Maba. Code: mde

Moksha Moksha. Code: mdf

Mandar Mandar. Code: mdr

Mende Mende. Code: men

Meru Meru. Code: mer

Morisyen Morisyen. Code: mfe

Malagasy Malagasy. Code: mg

MiddleIrish Middle Irish. Code: mga

MakhuwaMeetto Makhuwa-Meetto. Code: mgh

Meta Meta. Code: mgo

Marshallese Marshallese. Code: mh

Maori Maori. Code: mi

Micmac Micmac. Code: mic

Minangkabau Minangkabau. Code: min

Macedonian Macedonian. Code: mk

Malayalam Malayalam. Code: ml

Mongolian Mongolian. Code: mn

Manchu Manchu. Code: mnc

Manipuri Manipuri. Code: mni

Mohawk Mohawk. Code: moh

Mossi Mossi. Code: mos

Marathi Marathi. Code: mr

WesternMari Western Mari. Code: mrj

Malay Malay. Code: ms

Maltese Maltese. Code: mt

Mundang Mundang. Code: mua

MultipleLanguages Multiple Languages. Code: mul

Creek Creek. Code: mus

Mirandese Mirandese. Code: mwl

Marwari Marwari. Code: mwr

Mentawai Mentawai. Code: mwv

Burmese Burmese. Code: my

Myene Myene. Code: mye

Erzya Erzya. Code: myv

Mazanderani Mazanderani. Code: mzn

Nauru Nauru. Code: na

MinNanChinese Min Nan Chinese. Code: nan

Neapolitan Neapolitan. Code: nap

Nama Nama. Code: naq

NorwegianBokmal Norwegian Bokmål. Code: nb

NorthNdebele North Ndebele. Code: nd

LowGerman Low German. Code: nds

Nepali Nepali. Code: ne

Newari Newari. Code: new

Ndonga Ndonga. Code: ng

Nias Nias. Code: nia

Niuean Niuean. Code: niu

AoNaga Ao Naga. Code: njo

Dutch Dutch. Code: nl

Flemish Flemish. Code: nl-BE

Kwasio Kwasio. Code: nmg

NorwegianNynorsk Norwegian Nynorsk. Code: nn

Ngiemboon Ngiemboon. Code: nnh

Norwegian Norwegian. Code: no

Nogai Nogai. Code: nog

OldNorse Old Norse. Code: non

Novial Novial. Code: nov

Nko NKo. Code: nqo

SouthNdebele South Ndebele. Code: nr

NorthernSotho Northern Sotho. Code: nso

Nuer Nuer. Code: nus

Navajo Navajo. Code: nv

ClassicalNewari Classical Newari. Code: nwc

Nyanja Nyanja. Code: ny

Nyamwezi Nyamwezi. Code: nym

Nyankole Nyankole. Code: nyn

Nyoro Nyoro. Code: nyo

Nzima Nzima. Code: nzi

Occitan Occitan. Code: oc

Ojibwa Ojibwa. Code: oj

Oromo Oromo. Code: om

Oriya Oriya. Code: or

Ossetic Ossetic. Code: os

Osage Osage. Code: osa

OttomanTurkish Ottoman Turkish. Code: ota

Punjabi Punjabi. Code: pa

Pangasinan Pangasinan. Code: pag

Pahlavi Pahlavi. Code: pal

Pampanga Pampanga. Code: pam

Papiamento Papiamento. Code: pap

Palauan Palauan. Code: pau

Picard Picard. Code: pcd

PennsylvaniaGerman Pennsylvania German. Code: pdc

Plautdietsch Plautdietsch. Code: pdt

OldPersian Old Persian. Code: peo

PalatineGerman Palatine German. Code: pfl

Phoenician Phoenician. Code: phn

Pali Pali. Code: pi

Polish Polish. Code: pl

Piedmontese Piedmontese. Code: pms

Pontic Pontic. Code: pnt

Pohnpeian Pohnpeian. Code: pon

Prussian Prussian. Code: prg

OldProvencal Old Provençal. Code: pro

Pashto Pashto. Code: ps

Pushto Pushto. Code: ps-alt-variant

Portuguese Portuguese. Code: pt

BrazilianPortuguese Brazilian Portuguese. Code: pt-BR

EuropeanPortuguese European Portuguese. Code: pt-PT

Quechua Quechua. Code: qu

Kiche Kiche. Code: quc

ChimborazoHighlandQuichua Chimborazo Highland Quichua. Code: qug

Rajasthani Rajasthani. Code: raj

Rapanui Rapanui. Code: rap

Rarotongan Rarotongan. Code: rar

Romagnol Romagnol. Code: rgn

Riffian Riffian. Code: rif

Romansh Romansh. Code: rm

Rundi Rundi. Code: rn

Romanian Romanian. Code: ro

Moldavian Moldavian. Code: ro-MD

Rombo Rombo. Code: rof

Romany Romany. Code: rom

Rotuman Rotuman. Code: rtm

Russian Russian. Code: ru

Rusyn Rusyn. Code: rue

Roviana Roviana. Code: rug

Aromanian Aromanian. Code: rup

Kinyarwanda Kinyarwanda. Code: rw

Rwa Rwa. Code: rwk

Sanskrit Sanskrit. Code: sa

Sandawe Sandawe. Code: sad

Sakha Sakha. Code: sah

SamaritanAramaic Samaritan Aramaic. Code: sam

Samburu Samburu. Code: saq

Sasak Sasak. Code: sas

Santali Santali. Code: sat

Saurashtra Saurashtra. Code: saz

Ngambay Ngambay. Code: sba

Sangu Sangu. Code: sbp

Sardinian Sardinian. Code: sc

Sicilian Sicilian. Code: scn

Scots Scots. Code: sco

Sindhi Sindhi. Code: sd

SassareseSardinian Sassarese Sardinian. Code: sdc

NorthernSami Northern Sami. Code: se

Seneca Seneca. Code: see

Sena Sena. Code: seh

Seri Seri. Code: sei

Selkup Selkup. Code: sel

KoyraboroSenni Koyraboro Senni. Code: ses

Sango Sango. Code: sg

OldIrish Old Irish. Code: sga

Samogitian Samogitian. Code: sgs

SerboCroatian Serbo-Croatian. Code: sh

Tachelhit Tachelhit. Code: shi

Shan Shan. Code: shn

ChadianArabic Chadian Arabic. Code: shu

Sinhala Sinhala. Code: si

Sidamo Sidamo. Code: sid

Slovak Slovak. Code: sk

Slovenian Slovenian. Code: sl

LowerSilesian Lower Silesian. Code: sli

Selayar Selayar. Code: sly

Samoan Samoan. Code: sm

SouthernSami Southern Sami. Code: sma

LuleSami Lule Sami. Code: smj

InariSami Inari Sami. Code: smn

SkoltSami Skolt Sami. Code: sms

Shona Shona. Code: sn

Soninke Soninke. Code: snk

Somali Somali. Code: so

Sogdien Sogdien. Code: sog

Albanian Albanian. Code: sq

Serbian Serbian. Code: sr

SrananTongo Sranan Tongo. Code: srn

Serer Serer. Code: srr

Swati Swati. Code: ss

Saho Saho. Code: ssy

SouthernSotho Southern Sotho. Code: st

SaterlandFrisian Saterland Frisian. Code: stq

Sundanese Sundanese. Code: su

Sukuma Sukuma. Code: suk

Susu Susu. Code: sus

Sumerian Sumerian. Code: sux

Swedish Swedish. Code: sv

Swahili Swahili. Code: sw

Comorian Comorian. Code: swb

CongoSwahili Congo Swahili. Code: swc

ClassicalSyriac Classical Syriac. Code: syc

Syriac Syriac. Code: syr

Silesian Silesian. Code: szl

Tamil Tamil. Code: ta

Tulu Tulu. Code: tcy

Telugu Telugu. Code: te

Timne Timne. Code: tem

Teso Teso. Code: teo

Tereno Tereno. Code: ter

Tetum Tetum. Code: tet

Tajik Tajik. Code: tg

Thai Thai. Code: th

Tigrinya Tigrinya. Code: ti

Tigre Tigre. Code: tig

Tiv Tiv. Code: tiv

Turkmen Turkmen. Code: tk

Tokelau Tokelau. Code: tkl

Tsakhur Tsakhur. Code: tkr

Tagalog Tagalog. Code: tl

Klingon Klingon. Code: tlh

Tlingit Tlingit. Code: tli

Talysh Talysh. Code: tly

Tamashek Tamashek. Code: tmh

Tswana Tswana. Code: tn

Tongan Tongan. Code: to

NyasaTonga Nyasa Tonga. Code: tog

TokPisin Tok Pisin. Code: tpi

Turkish Turkish. Code: tr

Turoyo Turoyo. Code: tru

Taroko Taroko. Code: trv

Tsonga Tsonga. Code: ts

Tsakonian Tsakonian. Code: tsd

Tsimshian Tsimshian. Code: tsi

Tatar Tatar. Code: tt

MuslimTat Muslim Tat. Code: ttt

Tumbuka Tumbuka. Code: tum

Tuvalu Tuvalu. Code: tvl

Twi Twi. Code: tw

Tasawaq Tasawaq. Code: twq

Tahitian Tahitian. Code: ty

Tuvinian Tuvinian. Code: tyv

CentralAtlasTamazight Central Atlas Tamazight. Code: tzm

Udmurt Udmurt. Code: udm

Uyghur Uyghur. Code: ug

Uighur Uighur. Code: ug-alt-variant

Ugaritic Ugaritic. Code: uga

Ukrainian Ukrainian. Code: uk

Umbundu Umbundu. Code: umb

UnknownLanguage Unknown Language. Code: und

Urdu Urdu. Code: ur

Uzbek Uzbek. Code: uz

Vai Vai. Code: vai

Venda Venda. Code: ve

Venetian Venetian. Code: vec

Veps Veps. Code: vep

Vietnamese Vietnamese. Code: vi

WestFlemish West Flemish. Code: vls

MainFranconian Main-Franconian. Code: vmf

Volapuk Volapük. Code: vo

Votic Votic. Code: vot

Voro Võro. Code: vro

Vunjo Vunjo. Code: vun

Walloon Walloon. Code: wa

Walser Walser. Code: wae

Wolaytta Wolaytta. Code: wal

Waray Waray. Code: war

Washo Washo. Code: was

Wolof Wolof. Code: wo

WuChinese Wu Chinese. Code: wuu

Kalmyk Kalmyk. Code: xal

Xhosa Xhosa. Code: xh

Mingrelian Mingrelian. Code: xmf

Soga Soga. Code: xog

Yao Yao. Code: yao

Yapese Yapese. Code: yap

Yangben Yangben. Code: yav

Yemba Yemba. Code: ybb

Yiddish Yiddish. Code: yi

Yoruba Yoruba. Code: yo

Nheengatu Nheengatu. Code: yrl

Cantonese Cantonese. Code: yue

Zhuang Zhuang. Code: za

Zapotec Zapotec. Code: zap

Blissymbols Blissymbols. Code: zbl

Zeelandic Zeelandic. Code: zea

Zenaga Zenaga. Code: zen

StandardMoroccanTamazight Standard Moroccan Tamazight. Code: zgh

Chinese Chinese. Code: zh

SimplifiedChinese Simplified Chinese. Code: zh-Hans

TraditionalChinese Traditional Chinese. Code: zh-Hant

Zulu Zulu. Code: zu

Zuni Zuni. Code: zun

NoLinguisticContent No linguistic content. Code: zxx

Zaza Zaza. Code: zza

Count Total amount of languages.

Definition at line 11 of file Language.cs.

5.2 Package UnityTranslationInternal

The UnityTranslationInternal namespace contains special classes that UnityTranslation package uses internally.

Classes

- class PluralsRules

  Container for all plurals rules for each language.
- class Translator

  UnityTranslation internal Translator class that has methods for getting localized strings. Translator provide localization in the same way as in Android localization system.
- class Utils

  Class with utilities for UnityTranslation.

Enumerations

- enum PluralsQuantity {
  PluralsQuantity.Zero, PluralsQuantity.One, PluralsQuantity.Two, PluralsQuantity.Few,
  PluralsQuantity.Many, PluralsQuantity.Other, PluralsQuantity.Count }

  Plurals quantity. This enumeration contains list of available plurals quantities.

5.2.1 Detailed Description

The UnityTranslationInternal namespace contains special classes that UnityTranslation package uses internally.

5.2.2 Enumeration Type Documentation

5.2.2.1 enum UnityTranslationInternal.PluralsQuantity

Plurals quantity. This enumeration contains list of available plurals quantities.

See also: String Resources - Plurals

Enumerator

Zero When the language requires special treatment of the number 0 (as in Arabic).

One When the language requires special treatment of numbers like one (as with the number 1 in English and most other languages; in Russian, any number ending in 1 but not ending in 11 is in this class).

Two When the language requires special treatment of numbers like two (as with 2 in Welsh, or 102 in Slovenian).

Few When the language requires special treatment of "small" numbers (as with 2, 3, and 4 in Czech; or numbers ending 2, 3, or 4 but not 12, 13, or 14 in Polish).

Many When the language requires special treatment of "large" numbers (as with numbers ending 11-99 in Maltese).

Other When the language does not require special treatment of the given quantity (as with all numbers in Chinese, or 42 in English).

Count Total amount of Plurals quantities.

Definition at line 8 of file PluralsQuantity.cs.

Chapter 6

Class Documentation

6.1 UnityTranslation.AvailableLanguages Class Reference

Container for all languages specified in "Assets/Resources/res"

Static Public Attributes

- static readonly Dictionary< Language, string > list

  List of all languages specified in "Assets/Resources/res"

6.1.1 Detailed Description

Container for all languages specified in "Assets/Resources/res"

Definition at line 11 of file AvailableLanguages.cs.

6.1.2 Member Data Documentation

6.1.2.1 readonly Dictionary<Language, string> UnityTranslation.AvailableLanguages.list [static]

Initial value:

```
= new Dictionary<Language, string>
        {
              { Language.Default, "" }
        }
```

List of all languages specified in "Assets/Resources/res"

Definition at line 16 of file AvailableLanguages.cs.

The documentation for this class was generated from the following file:

- Generated/AvailableLanguages.cs

6.2 UnityTranslation.LanguageCode Class Reference

This class provides methods for converting language code to Language enum and Language enum to language code

Static Public Member Functions

- static string languageToCode (Language language)
  Converts Language enum value to language code
- static Language codeToLanguage (string code)
  Converts language code to Language enum value

Static Public Attributes

- static readonly string[ ] codes
  Array of language codes for each Language enum value.

6.2.1 Detailed Description

This class provides methods for converting language code to Language enum and Language enum to language code

Definition at line 3092 of file Language.cs.

6.2.2 Member Function Documentation

6.2.2.1 static Language UnityTranslation.LanguageCode.codeToLanguage (string *code*) [inline], [static]

Converts language code to Language enum value

Returns

Language enum value.

Parameters

code	Language code

Definition at line 3730 of file Language.cs.

6.2.2.2 static string UnityTranslation.LanguageCode.languageToCode (Language *language*) [inline], [static]

Converts Language enum value to language code

Returns

Language code.

Parameters

language	Language enum value

Definition at line 3720 of file Language.cs.

6.2.3 Member Data Documentation

6.2.3.1 readonly string [ ] UnityTranslation.LanguageCode.codes [static]

Array of language codes for each Language enum value.

Definition at line 3097 of file Language.cs.

The documentation for this class was generated from the following file:

- Generated/Language.cs

6.3 UnityTranslation.LanguageName Class Reference

This class provides methods for converting language name to Language enum and Language enum to language name

Static Public Member Functions

- static string languageToName (Language language)

  Converts Language enum value to language name
- static Language nameToLanguage (string name)

  Converts language name to Language enum value

Static Public Attributes

- static readonly string[ ] names

  Array of language names for each Language enum value.

6.3.1 Detailed Description

This class provides methods for converting language name to Language enum and Language enum to language name

Definition at line 3747 of file Language.cs.

6.3.2 Member Function Documentation

6.3.2.1 static string UnityTranslation.LanguageName.languageToName (Language *language*) [inline], [static]

Converts Language enum value to language name

Returns

Language name.

Parameters

language	Language enum value

Definition at line 4375 of file Language.cs.

6.3.2.2 static Language UnityTranslation.LanguageName.nameToLanguage (string *name*) [inline], [static]

Converts language name to Language enum value

Returns

Language enum value.

Parameters

name	Language name

Definition at line 4385 of file Language.cs.

6.3.3 Member Data Documentation

6.3.3.1 readonly string [ ] UnityTranslation.LanguageName.names [static]

Array of language names for each Language enum value.

Definition at line 3752 of file Language.cs.

The documentation for this class was generated from the following file:

- Generated/Language.cs

6.4 UnityTranslation.LanguageSystemName Class Reference

This class provides methods for converting SystemLanguage enum to Language enum and Language enum to SystemLanguage enum

Static Public Member Functions

- static SystemLanguage languageToSystemLanguage (Language language)
  Converts Language enum value to SystemLanguage enum value
- static Language systemLanguageToLanguage (SystemLanguage language)
  Converts SystemLanguage enum value to Language enum value

Static Public Attributes

- static readonly SystemLanguage[ ] systemLanguages
  Array of SystemLanguage enum values for each Language enum value.
- static readonly Language[ ] languages
  Array of Language enum values for each SystemLanguage enum value.

6.4.1 Detailed Description

This class provides methods for converting SystemLanguage enum to Language enum and Language enum to SystemLanguage enum

Definition at line 4402 of file Language.cs.

6.4.2 Member Function Documentation

6.4.2.1 static SystemLanguage UnityTranslation.LanguageSystemName.languageToSystemLanguage (Language *language*) [inline], [static]

Converts Language enum value to SystemLanguage enum value

Returns

SystemLanguage enum value.

Parameters

language	Language enum value

Definition at line 5077 of file Language.cs.

6.4.2.2 static Language UnityTranslation.LanguageSystemName.systemLanguageToLanguage (SystemLanguage *language*) [inline], [static]

Converts SystemLanguage enum value to Language enum value

Returns

Language enum value.

Parameters

language	SystemLanguage enum value

Definition at line 5087 of file Language.cs.

6.4.3 Member Data Documentation

6.4.3.1 readonly Language [ ] UnityTranslation.LanguageSystemName.languages [static]

Array of Language enum values for each SystemLanguage enum value.

Definition at line 5028 of file Language.cs.

6.4.3.2 readonly SystemLanguage [ ] UnityTranslation.LanguageSystemName.systemLanguages [static]

Array of SystemLanguage enum values for each Language enum value.

Definition at line 4407 of file Language.cs.

The documentation for this class was generated from the following file:

- Generated/Language.cs

6.5 UnityTranslationInternal.PluralsRules Class Reference

Container for all plurals rules for each language.

Public Member Functions

- delegate PluralsQuantity PluralsFunction (double quantity)

  Delegate function that returns PluralsQuantity related to provided quantity.

Static Public Attributes

- static readonly PluralsFunction[ ] pluralsFunctions

  Array of functions for getting PluralsQuantity.

6.5.1 Detailed Description

Container for all plurals rules for each language.

Definition at line 11 of file PluralsRules.cs.

6.5.2 Member Function Documentation

6.5.2.1 delegate PluralsQuantity UnityTranslationInternal.PluralsRules.PluralsFunction (double *quantity*)

Delegate function that returns PluralsQuantity related to provided quantity.

Returns

PluralsQuantity value

Parameters

quantity	Quantity

6.5.3 Member Data Documentation

6.5.3.1 readonly PluralsFunction [ ] UnityTranslationInternal.PluralsRules.pluralsFunctions [static]

Array of functions for getting PluralsQuantity.

Definition at line 23 of file PluralsRules.cs.

The documentation for this class was generated from the following file:

- Generated/PluralsRules.cs

6.6 UnityTranslation.R Class Reference

Container for all tokens specified in xml files in "Assets/Resources/res/values".

Classes

- class sections

  Container for dynamically loadable tokens specified in non strings.xml files.

Public Types

- enum strings { strings.app_name, strings.Count }

  Enumeration of all string tags in "Assets/Resources/res/values/strings.xml"
- enum array { array.Count }

  Enumeration of all string-array tags in "Assets/Resources/res/values/strings.xml"
- enum plurals { plurals.Count }

  Enumeration of all plurals tags in "Assets/Resources/res/values/strings.xml"

Static Public Attributes

- static readonly Dictionary< string, int >[ ][ ] tokenIds

6.6.1 Detailed Description

Container for all tokens specified in xml files in "Assets/Resources/res/values".

Definition at line 11 of file R.cs.

6.6.2 Member Enumeration Documentation

6.6.2.1 enum UnityTranslation.R.array

Enumeration of all string-array tags in "Assets/Resources/res/values/strings.xml"

Enumerator

Count Total amount of string-arrays.

Definition at line 34 of file R.cs.

6.6.2.2 enum UnityTranslation.R.plurals

Enumeration of all plurals tags in "Assets/Resources/res/values/strings.xml"

Enumerator

Count Total amount of plurals.

Definition at line 45 of file R.cs.

6.6.2.3 enum UnityTranslation.R.strings

Enumeration of all string tags in "Assets/Resources/res/values/strings.xml"

Enumerator

app_name Application name
Value:
Application name

Count Total amount of strings.

Definition at line 16 of file R.cs.

6.6.3 Member Data Documentation

6.6.3.1 readonly Dictionary<string, int>[][] UnityTranslation.R.tokenIds [static]

Initial value:

```
= new Dictionary<string, int>[][]
        {
            new Dictionary<string, int>[]
            {
                new Dictionary<string, int>
                {
                      { "app_name", (int)R.strings.app_name }
                }
                ,
                new Dictionary<string, int>
                {
                }
```

```
                ,
                new Dictionary<string, int>
                {
                }
            }
        }
```

Container for all token IDs in strings.xml (index 0) and in another sections

Each element of tokenIds is an array with 3 elements inside:

0: strings tokens

1: array tokens

2: plurals tokens

Definition at line 84 of file R.cs.

The documentation for this class was generated from the following file:

- Generated/R.cs

6.7 UnityTranslationInternal.Translator.SectionLocaleTokens Class Reference

Group of localized strings that cached for a single language.

Public Member Functions

- SectionLocaleTokens (int stringCount, int stringArrayCount, int pluralsCount)

  Initializes a new instance of the UnityTranslationInternal.Translator.SectionLocaleTokens class.

Public Attributes

- string[ ] stringValues

  Array of cached string values for a single language.
- string[ ][ ] stringArrayValues

  Array of cached string arrays for a single language.
- string[ ][ ] pluralsValues

  Array of cached plurals values for a single language.

6.7.1 Detailed Description

Group of localized strings that cached for a single language.

Definition at line 23 of file TranslatorInternal.cs.

6.7.2 Constructor & Destructor Documentation

6.7.2.1 UnityTranslationInternal.Translator.SectionLocaleTokens.SectionLocaleTokens (int *stringCount*, int *stringArrayCount*, int *pluralsCount*) [inline]

Initializes a new instance of the UnityTranslationInternal.Translator.SectionLocaleTokens class.

Parameters

stringCount	String count.
stringArrayCount	String array count.
pluralsCount	Plurals count.

Definition at line 48 of file TranslatorInternal.cs.

6.7.3 Member Data Documentation

6.7.3.1 string [ ][ ] UnityTranslationInternal.Translator.SectionLocaleTokens.pluralsValues

Array of cached plurals values for a single language.

Definition at line 38 of file TranslatorInternal.cs.

6.7.3.2 string [ ][ ] UnityTranslationInternal.Translator.SectionLocaleTokens.stringArrayValues

Array of cached string arrays for a single language.

Definition at line 33 of file TranslatorInternal.cs.

6.7.3.3 string [ ] UnityTranslationInternal.Translator.SectionLocaleTokens.stringValues

Array of cached string values for a single language.

Definition at line 28 of file TranslatorInternal.cs.

The documentation for this class was generated from the following file:

- TranslatorInternal.cs

6.8 UnityTranslation.R.sections Class Reference

Container for dynamically loadable tokens specified in non strings.xml files.

Public Types

- enum SectionID { SectionID.Count }

  Section ID. This enumeration contains list of dynamically loadable sections.

Static Public Attributes

- static readonly string[ ] xmlFiles

  Names of xml files for each section.

6.8.1 Detailed Description

Container for dynamically loadable tokens specified in non strings.xml files.

Definition at line 56 of file R.cs.

6.8.2 Member Enumeration Documentation

6.8.2.1 enum UnityTranslation.R.sections.SectionID

Section ID. This enumeration contains list of dynamically loadable sections.

Enumerator

Count Total amount of sections.

Definition at line 61 of file R.cs.

6.8.3 Member Data Documentation

6.8.3.1 readonly string [ ] UnityTranslation.R.sections.xmlFiles [static]

Initial value:

```
= new string[]
            {
            }
```

Names of xml files for each section.

Definition at line 72 of file R.cs.

The documentation for this class was generated from the following file:

- Generated/R.cs

6.9 UnityTranslationInternal.Translator.SectionTokens Class Reference

Default strings and localized strings of selected language for a single section.

Public Member Functions

- SectionTokens ()

  Initializes a new instance of the UnityTranslationInternal.Translator.SectionTokens class.

Public Attributes

- SectionLocaleTokens defaultLanguage

  Default language strings for a single section.
- SectionLocaleTokens selectedLanguage

  Selected language strings for a single section.

6.9.1 Detailed Description

Default strings and localized strings of selected language for a single section.

Definition at line 59 of file TranslatorInternal.cs.

6.9.2 Constructor & Destructor Documentation

6.9.2.1 UnityTranslationInternal.Translator.SectionTokens.SectionTokens ( ) [inline]

Initializes a new instance of the UnityTranslationInternal.Translator.SectionTokens class.

Definition at line 76 of file TranslatorInternal.cs.

6.9.3 Member Data Documentation

6.9.3.1 SectionLocaleTokens UnityTranslationInternal.Translator.SectionTokens.defaultLanguage

Default language strings for a single section.

Definition at line 64 of file TranslatorInternal.cs.

6.9.3.2 SectionLocaleTokens UnityTranslationInternal.Translator.SectionTokens.selectedLanguage

Selected language strings for a single section.

Definition at line 69 of file TranslatorInternal.cs.

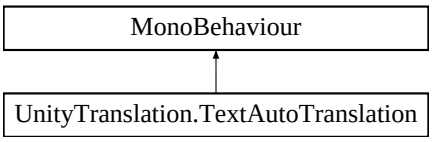
The documentation for this class was generated from the following file:

- TranslatorInternal.cs

6.10 UnityTranslation.TextAutoTranslation Class Reference

Script for auto-translating Text component.

Inheritance diagram for UnityTranslation.TextAutoTranslation:



Public Member Functions

- void OnLanguageChanged ()

  Callback for language changed event.

Public Attributes

- R.strings id

  Token identifier that used for localization.

6.10.1 Detailed Description

Script for auto-translating Text component.

Definition at line 13 of file TextAutoTranslation.cs.

6.10.2 Member Function Documentation

6.10.2.1 void UnityTranslation.TextAutoTranslation.OnLanguageChanged ( ) [inline]

Callback for language changed event.

Definition at line 45 of file TextAutoTranslation.cs.

6.10.3 Member Data Documentation

6.10.3.1 R.strings UnityTranslation.TextAutoTranslation.id

Token identifier that used for localization.

Definition at line 18 of file TextAutoTranslation.cs.

The documentation for this class was generated from the following file:

- Generated/UI/TextAutoTranslation.cs

6.11 UnityTranslation.Translator Class Reference

UnityTranslation Translator class that has methods for getting localized strings. Translator provide localization in the same way as in Android localization system.

Static Public Member Functions

- static void addLanguageChangedListener (UnityAction listener)

  Adds specified language changed listener and invoke it.
- static void removeLanguageChangedListener (UnityAction listener)

  Removes specified language changed listener.
- static void LoadSection (R.sections.SectionID section)

  Load tokens for specified section.
- static void UnloadSection (R.sections.SectionID section)

  Unload tokens for specified section.
- static bool IsSectionLoaded (R.sections.SectionID section)

  Determines if specified section is loaded.
- static string getString (R.strings id)

  Return the string value associated with a particular resource ID.
- static string getString (R.strings id, params object[ ] formatArgs)

  Return the string value associated with a particular resource ID, substituting the format arguments as defined in string.Format.
- static string[ ] getStringArray (R.array id)

  Return the string array associated with a particular resource ID.
- static string getQuantityString (R.plurals id, double quantity)

  Return the string necessary for grammatically correct pluralization of the given resource ID for the given quantity.
- static string getQuantityString (R.plurals id, double quantity, params object[ ] formatArgs)

  Formats the string necessary for grammatically correct pluralization of the given resource ID for the given quantity, using the given arguments.

Properties

- static Language language [get, set]

  Gets or sets currently used language. Please note that if you want to add new language you have to create values folder in Assets/Resources/res folder. Language code should be one of specified language codes in Language.cs

6.11.1 Detailed Description

UnityTranslation Translator class that has methods for getting localized strings. Translator provide localization in the same way as in Android localization system.

See also: String Resources

Definition at line 14 of file Translator.cs.

6.11.2 Member Function Documentation

6.11.2.1 static void UnityTranslation.Translator.addLanguageChangedListener (UnityAction *listener*) [inline], [static]

Adds specified language changed listener and invoke it.

Parameters

listener	Language changed listener.

Definition at line 49 of file Translator.cs.

6.11.2.2 static string UnityTranslation.Translator.getQuantityString (R.plurals *id*, double *quantity*) [inline], [static]

Return the string necessary for grammatically correct pluralization of the given resource ID for the given quantity.

Returns

Localized string.

Parameters

id	Plurals resource ID.
quantity	Quantity.

Definition at line 152 of file Translator.cs.

6.11.2.3 static string UnityTranslation.Translator.getQuantityString (R.plurals *id*, double *quantity*, params object[ ] *formatArgs*) [inline], [static]

Formats the string necessary for grammatically correct pluralization of the given resource ID for the given quantity, using the given arguments.

Returns

Localized string.

Parameters

id	Plurals resource ID.
quantity	Quantity.
formatArgs	Format arguments.

Definition at line 198 of file Translator.cs.

6.11.2.4 static string UnityTranslation.Translator.getString (R.strings *id*) [inline], [static]

Return the string value associated with a particular resource ID.

Returns

Localized string.

Parameters

id	String resource ID.

Definition at line 98 of file Translator.cs.

6.11.2.5 static string UnityTranslation.Translator.getString (R.strings *id,* params object[ ] *formatArgs*) [inline], [static]

Return the string value associated with a particular resource ID, substituting the format arguments as defined in string.Format.

Returns

Localized string.

Parameters

id	String resource ID.
formatArgs	Format arguments.

Definition at line 120 of file Translator.cs.

6.11.2.6 static string [ ] UnityTranslation.Translator.getStringArray (R.array *id*) [inline], [static]

Return the string array associated with a particular resource ID.

Returns

Localized string array.

Parameters

id	String array resource ID.

Definition at line 130 of file Translator.cs.

6.11.2.7 static bool UnityTranslation.Translator.IsSectionLoaded (R.sections.SectionID *section*) [inline], [static]

Determines if specified section is loaded.

Returns

`true` if section is loaded; otherwise, `false`.

Parameters

section	Section ID.

Definition at line 86 of file Translator.cs.

6.11.2.8 static void UnityTranslation.Translator.LoadSection (R.sections.SectionID *section*) [inline], [static]

Load tokens for specified section.

Parameters

section	Section ID.

Definition at line 67 of file Translator.cs.

6.11.2.9 static void UnityTranslation.Translator.removeLanguageChangedListener (UnityAction *listener*) [inline], [static]

Removes specified language changed listener.

Parameters

listener	Language changed listener.

Definition at line 58 of file Translator.cs.

6.11.2.10 static void UnityTranslation.Translator.UnloadSection (R.sections.SectionID *section*) [inline], [static]

Unload tokens for specified section.

Parameters

section	Section ID.

Definition at line 76 of file Translator.cs.

6.11.3 Property Documentation

6.11.3.1 Language UnityTranslation.Translator.language [static], [get], [set]

Gets or sets currently used language. Please note that if you want to add new language you have to create values folder in Assets/Resources/res folder. Language code should be one of specified language codes in Language.cs

Current language.

Definition at line 28 of file Translator.cs.

The documentation for this class was generated from the following file:

- Generated/Translator.cs

6.12 UnityTranslationInternal.Translator Class Reference

UnityTranslation internal Translator class that has methods for getting localized strings. Translator provide localization in the same way as in Android localization system.

Classes

- class SectionLocaleTokens

  Group of localized strings that cached for a single language.
- class SectionTokens

  Default strings and localized strings of selected language for a single section.

Static Public Member Functions

- static void addLanguageChangedListener (UnityAction listener)

  Adds specified language changed listener and invoke it.
- static void removeLanguageChangedListener (UnityAction listener)

  Removes specified language changed listener.
- static void LoadSection (R.sections.SectionID section, bool showWarning)

  Load tokens for specified section.
- static void UnloadSection (R.sections.SectionID section)

  Unload tokens for specified section.
- static bool IsSectionLoaded (R.sections.SectionID section)

  Determines if specified section is loaded.

Static Public Attributes

- static SectionTokens[ ] tokens

  Array of tokens for strings.xml and for each section.

Properties

- static Language language `[get, set]`

  Gets or sets currently used language. Please note that if you want to add new language you have to create values folder in Assets/Resources/res folder. Language code should be one of specified language codes in Language.cs

6.12.1 Detailed Description

UnityTranslation internal Translator class that has methods for getting localized strings. Translator provide localization in the same way as in Android localization system.

See also: String Resources

Definition at line 18 of file TranslatorInternal.cs.

6.12.2 Member Function Documentation

6.12.2.1 static void UnityTranslationInternal.Translator.addLanguageChangedListener (UnityAction *listener*) `[inline], [static]`

Adds specified language changed listener and invoke it.

Parameters

listener	Language changed listener.

Definition at line 204 of file TranslatorInternal.cs.

6.12.2.2 static bool UnityTranslationInternal.Translator.IsSectionLoaded (R.sections.SectionID *section*) [inline], [static]

Determines if specified section is loaded.

Returns

`true` if section is loaded; otherwise, `false`.

Parameters

section	Section ID.

Definition at line 277 of file TranslatorInternal.cs.

6.12.2.3 static void UnityTranslationInternal.Translator.LoadSection (R.sections.SectionID *section,* bool *showWarning*) [inline], [static]

Load tokens for specified section.

Parameters

section	Section ID.
showWarning	If set to `true` show warning about already loaded section.

Definition at line 224 of file TranslatorInternal.cs.

6.12.2.4 static void UnityTranslationInternal.Translator.removeLanguageChangedListener (UnityAction *listener*) [inline], [static]

Removes specified language changed listener.

Parameters

listener	Language changed listener.

Definition at line 214 of file TranslatorInternal.cs.

6.12.2.5 static void UnityTranslationInternal.Translator.UnloadSection (R.sections.SectionID *section*) [inline], [static]

Unload tokens for specified section.

Parameters

section	Section ID.

Definition at line 259 of file TranslatorInternal.cs.

6.12.3 Member Data Documentation

6.12.3.1 SectionTokens [ ] UnityTranslationInternal.Translator.tokens [static]

Array of tokens for strings.xml and for each section.

Definition at line 88 of file TranslatorInternal.cs.

6.12.4 Property Documentation

6.12.4.1 Language UnityTranslationInternal.Translator.language [static],[get],[set]

Gets or sets currently used language. Please note that if you want to add new language you have to create values folder in Assets/Resources/res folder. Language code should be one of specified language codes in Language.cs

Current language.

Definition at line 105 of file TranslatorInternal.cs.

The documentation for this class was generated from the following file:

- TranslatorInternal.cs

6.13 UnityTranslationInternal.Utils Class Reference

Class with utilities for UnityTranslation.

Static Public Member Functions

- static bool checkTokenName (string tokenName, string tagName, List< string > tokenNames)

  Checks the name of the token.
- static string processTokenValue (string value)

  Processes the token value and replaces \u sentences with unicode chars.

6.13.1 Detailed Description

Class with utilities for UnityTranslation.

Definition at line 10 of file Utils.cs.

6.13.2 Member Function Documentation

6.13.2.1 static bool UnityTranslationInternal.Utils.checkTokenName (string *tokenName,* string *tagName,* List< string > *tokenNames*) [inline],[static]

Checks the name of the token.

Returns

`true`, if token name is correct, `false` otherwise.

Parameters

tokenName	Token name.
tagName	Tag name.
tokenNames	List of token names.

Definition at line 19 of file Utils.cs.

6.13.2.2 static string UnityTranslationInternal.Utils.processTokenValue (string *value*) [inline],[static]

Processes the token value and replaces \u sentences with unicode chars.

Returns

Processed token value.

Parameters

value	Original token value.

Definition at line 77 of file Utils.cs.

The documentation for this class was generated from the following file:

- Utils.cs

Index

Abkhazian
    UnityTranslation, 14
Achinese
    UnityTranslation, 14
Acoli
    UnityTranslation, 14
Adangme
    UnityTranslation, 14
addLanguageChangedListener
    UnityTranslation::Translator, 41
    UnityTranslationInternal::Translator, 44
Adyghe
    UnityTranslation, 14
Afar
    UnityTranslation, 14
Afrihili
    UnityTranslation, 14
Afrikaans
    UnityTranslation, 14
Aghem
    UnityTranslation, 14
Ainu
    UnityTranslation, 14
Akan
    UnityTranslation, 14
Akkadian
    UnityTranslation, 14
Akoose
    UnityTranslation, 15
Alabama
    UnityTranslation, 14
Albanian
    UnityTranslation, 25
Aleut
    UnityTranslation, 14
AlgerianArabic
    UnityTranslation, 14
AmericanEnglish
    UnityTranslation, 17
AmericanSignLanguage
    UnityTranslation, 15
Amharic
    UnityTranslation, 14
AncientEgyptian
    UnityTranslation, 17
AncientGreek
    UnityTranslation, 18
Angika
    UnityTranslation, 14
AoNaga
    UnityTranslation, 22
app_name
    UnityTranslation::R, 35
Arabic
    UnityTranslation, 14
Aragonese
    UnityTranslation, 14
Aramaic
    UnityTranslation, 14
Araona
    UnityTranslation, 14
Arapaho
    UnityTranslation, 14
Arawak
    UnityTranslation, 14
Armenian
    UnityTranslation, 19
Aromanian
    UnityTranslation, 24
Arpitan
    UnityTranslation, 18
array
    UnityTranslation::R, 35
Assamese
    UnityTranslation, 15
Asturian
    UnityTranslation, 15
Asu
    UnityTranslation, 15
Atsam
    UnityTranslation, 16
AustralianEnglish
    UnityTranslation, 17
AustrianGerman
    UnityTranslation, 16
Avaric
    UnityTranslation, 15
Avestan
    UnityTranslation, 14
Awadhi
    UnityTranslation, 15
Aymara
    UnityTranslation, 15
Azerbaijani
    UnityTranslation, 15
Azeri
    UnityTranslation, 15

Badaga

UnityTranslation, 15
Bafia
UnityTranslation, 20
Bafut
UnityTranslation, 15
Bakhtiari
UnityTranslation, 15
Balinese
UnityTranslation, 15
Baluchi
UnityTranslation, 15
Bambara
UnityTranslation, 15
Bamun
UnityTranslation, 15
Banjar
UnityTranslation, 15
Basaa
UnityTranslation, 15
Bashkir
UnityTranslation, 15
Basque
UnityTranslation, 17
BatakToba
UnityTranslation, 15
Bavarian
UnityTranslation, 15
Beja
UnityTranslation, 15
Belarusian
UnityTranslation, 15
Bemba
UnityTranslation, 15
Bena
UnityTranslation, 15
Bengali
UnityTranslation, 15
Betawi
UnityTranslation, 15
Bhojpuri
UnityTranslation, 15
Bikol
UnityTranslation, 15
Bini
UnityTranslation, 15
Bishnupriya
UnityTranslation, 15
Bislama
UnityTranslation, 15
Blin
UnityTranslation, 16
Blissymbols
UnityTranslation, 27
Bodo
UnityTranslation, 15
Bosnian
UnityTranslation, 15
Brahui
UnityTranslation, 15
Braj
UnityTranslation, 15
BrazilianPortuguese
UnityTranslation, 24
Breton
UnityTranslation, 15
BritishEnglish
UnityTranslation, 17
Buginese
UnityTranslation, 16
Bulgarian
UnityTranslation, 15
Bulu
UnityTranslation, 16
Buriat
UnityTranslation, 16
Burmese
UnityTranslation, 22

Caddo
UnityTranslation, 16
CajunFrench
UnityTranslation, 18
CanadianEnglish
UnityTranslation, 17
CanadianFrench
UnityTranslation, 18
Cantonese
UnityTranslation, 27
Capiznon
UnityTranslation, 16
Carib
UnityTranslation, 16
Catalan
UnityTranslation, 16
Cayuga
UnityTranslation, 16
Cebuano
UnityTranslation, 16
CentralAtlasTamazight
UnityTranslation, 26
CentralDusun
UnityTranslation, 17
CentralYupik
UnityTranslation, 17
ChadianArabic
UnityTranslation, 25
Chagatai
UnityTranslation, 16
Chamorro
UnityTranslation, 16
Chechen
UnityTranslation, 16
checkTokenName
UnityTranslationInternal::Utils, 46
Cherokee
UnityTranslation, 16
Cheyenne

UnityTranslation, 16
Chibcha
UnityTranslation, 16
Chiga
UnityTranslation, 16
ChimborazoHighlandQuichua
UnityTranslation, 24
Chinese
UnityTranslation, 27
ChinookJargon
UnityTranslation, 16
Chipewyan
UnityTranslation, 16
Choctaw
UnityTranslation, 16
ChurchSlavic
UnityTranslation, 16
Chuukese
UnityTranslation, 16
Chuvash
UnityTranslation, 16
ClassicalNewari
UnityTranslation, 23
ClassicalSyriac
UnityTranslation, 25
codeToLanguage
UnityTranslation::LanguageCode, 30
codes
UnityTranslation::LanguageCode, 30
Colognian
UnityTranslation, 20
Comorian
UnityTranslation, 25
CongoSwahili
UnityTranslation, 25
Coptic
UnityTranslation, 16
Cornish
UnityTranslation, 20
Corsican
UnityTranslation, 16
Count
UnityTranslation, 27
UnityTranslation::R, 35
UnityTranslation::R::sections, 38
UnityTranslationInternal, 28
Cree
UnityTranslation, 16
Creek
UnityTranslation, 22
CrimeanTurkish
UnityTranslation, 16
Croatian
UnityTranslation, 19
Czech
UnityTranslation, 16

Dakota
UnityTranslation, 16
Danish
UnityTranslation, 16
Dargwa
UnityTranslation, 16
Dazaga
UnityTranslation, 17
Default
UnityTranslation, 14
defaultLanguage
UnityTranslationInternal::Translator::Section↩
Tokens, 39
Delaware
UnityTranslation, 16
Dinka
UnityTranslation, 16
Divehi
UnityTranslation, 17
Dogri
UnityTranslation, 17
Dogrib
UnityTranslation, 16
Duala
UnityTranslation, 17
Dutch
UnityTranslation, 22
Dyula
UnityTranslation, 17
Dzongkha
UnityTranslation, 17

EasternFrisian
UnityTranslation, 18
Efik
UnityTranslation, 17
EgyptianArabic
UnityTranslation, 14
Ekajuk
UnityTranslation, 17
Elamite
UnityTranslation, 17
Embu
UnityTranslation, 17
Emilian
UnityTranslation, 17
English
UnityTranslation, 17
Erzya
UnityTranslation, 22
Esperanto
UnityTranslation, 17
Estonian
UnityTranslation, 17
EuropeanPortuguese
UnityTranslation, 24
EuropeanSpanish
UnityTranslation, 17
Ewe
UnityTranslation, 17
Ewondo

UnityTranslation, 17
Extremaduran
UnityTranslation, 17

Fang
UnityTranslation, 17
Fanti
UnityTranslation, 17
Faroese
UnityTranslation, 18
Few
UnityTranslationInternal, 28
FijiHindi
UnityTranslation, 19
Fijian
UnityTranslation, 17
Filipino
UnityTranslation, 17
Finnish
UnityTranslation, 17
Flemish
UnityTranslation, 22
Fon
UnityTranslation, 18
Frafra
UnityTranslation, 18
French
UnityTranslation, 18
Friulian
UnityTranslation, 18
Fulah
UnityTranslation, 17

Ga
UnityTranslation, 18
Gagauz
UnityTranslation, 18
Galician
UnityTranslation, 18
GanChinese
UnityTranslation, 18
Ganda
UnityTranslation, 21
Gayo
UnityTranslation, 18
Gbaya
UnityTranslation, 18
Geez
UnityTranslation, 18
Georgian
UnityTranslation, 19
German
UnityTranslation, 16
getQuantityString
UnityTranslation::Translator, 41
getString
UnityTranslation::Translator, 42
getStringArray
UnityTranslation::Translator, 42
GhegAlbanian
UnityTranslation, 14
Ghomala
UnityTranslation, 15
Gilaki
UnityTranslation, 18
Gilbertese
UnityTranslation, 18
GoanKonkani
UnityTranslation, 18
Gondi
UnityTranslation, 18
Gorontalo
UnityTranslation, 18
Gothic
UnityTranslation, 18
Grebo
UnityTranslation, 18
Greek
UnityTranslation, 17
Guarani
UnityTranslation, 18
Gujarati
UnityTranslation, 18
Gusii
UnityTranslation, 18
Gwichin
UnityTranslation, 18

Haida
UnityTranslation, 18
Haitian
UnityTranslation, 19
HakkaChinese
UnityTranslation, 18
Hausa
UnityTranslation, 18
Hawaiian
UnityTranslation, 18
Hebrew
UnityTranslation, 19
Herero
UnityTranslation, 19
Hiligaynon
UnityTranslation, 19
Hindi
UnityTranslation, 19
HiriMotu
UnityTranslation, 19
Hittite
UnityTranslation, 19
Hmong
UnityTranslation, 19
Hungarian
UnityTranslation, 19
Hupa
UnityTranslation, 19

Iban

UnityTranslation, 19
Ibibio
UnityTranslation, 19
Icelandic
UnityTranslation, 19
id
UnityTranslation::TextAutoTranslation, 40
Ido
UnityTranslation, 19
Igbo
UnityTranslation, 19
Iloko
UnityTranslation, 19
InariSami
UnityTranslation, 25
Indonesian
UnityTranslation, 19
Ingrian
UnityTranslation, 19
Ingush
UnityTranslation, 19
Interlingua
UnityTranslation, 19
Interlingue
UnityTranslation, 19
Inuktitut
UnityTranslation, 19
Inupiaq
UnityTranslation, 19
Irish
UnityTranslation, 18
IsSectionLoaded
UnityTranslation::Translator, 42
UnityTranslationInternal::Translator, 45
Italian
UnityTranslation, 19

JamaicanCreoleEnglish
UnityTranslation, 19
Japanese
UnityTranslation, 19
Javanese
UnityTranslation, 19
Jju
UnityTranslation, 19
JolaFonyi
UnityTranslation, 17
JudeoArabic
UnityTranslation, 19
JudeoPersian
UnityTranslation, 19
Jutish
UnityTranslation, 19

Kabardian
UnityTranslation, 20
Kabuverdianu
UnityTranslation, 20
Kabyle
UnityTranslation, 19
Kachin
UnityTranslation, 19
Kaingang
UnityTranslation, 20
Kako
UnityTranslation, 20
Kalaallisut
UnityTranslation, 20
Kalenjin
UnityTranslation, 20
Kalmyk
UnityTranslation, 27
Kamba
UnityTranslation, 19
Kanembu
UnityTranslation, 20
Kannada
UnityTranslation, 20
Kanuri
UnityTranslation, 20
KaraKalpak
UnityTranslation, 19
KarachayBalkar
UnityTranslation, 20
Karelian
UnityTranslation, 20
Kashmiri
UnityTranslation, 20
Kashubian
UnityTranslation, 16
Kawi
UnityTranslation, 20
Kazakh
UnityTranslation, 20
Kenyang
UnityTranslation, 20
Khasi
UnityTranslation, 20
Khmer
UnityTranslation, 20
Khotanese
UnityTranslation, 20
Khowar
UnityTranslation, 20
Kiche
UnityTranslation, 24
Kikuyu
UnityTranslation, 20
Kimbundu
UnityTranslation, 20
KinarayA
UnityTranslation, 20
Kinyarwanda
UnityTranslation, 24
Kirghiz
UnityTranslation, 21
Kirmanjki

UnityTranslation, 20
Klingon
UnityTranslation, 26
Kom
UnityTranslation, 15
Komi
UnityTranslation, 20
KomiPermyak
UnityTranslation, 20
Kongo
UnityTranslation, 20
Konkani
UnityTranslation, 20
Korean
UnityTranslation, 20
Koro
UnityTranslation, 20
Kosraean
UnityTranslation, 20
Kotava
UnityTranslation, 15
KoyraChiini
UnityTranslation, 20
KoyraboroSenni
UnityTranslation, 24
Kpelle
UnityTranslation, 20
Krio
UnityTranslation, 20
Kuanyama
UnityTranslation, 20
Kumyk
UnityTranslation, 20
Kurdish
UnityTranslation, 20
Kurukh
UnityTranslation, 20
Kutenai
UnityTranslation, 20
Kwasio
UnityTranslation, 22
Kyrgyz
UnityTranslation, 20

Ladino
UnityTranslation, 21
Lahnda
UnityTranslation, 21
Lakota
UnityTranslation, 21
Lamba
UnityTranslation, 21
Langi
UnityTranslation, 21
Language
UnityTranslation, 14
language
UnityTranslation::Translator, 43
UnityTranslationInternal::Translator, 46
languageToCode
UnityTranslation::LanguageCode, 30
languageToName
UnityTranslation::LanguageName, 31
languageToSystemLanguage
UnityTranslation::LanguageSystemName, 32
languages
UnityTranslation::LanguageSystemName, 33
Lao
UnityTranslation, 21
Latgalian
UnityTranslation, 21
Latin
UnityTranslation, 21
LatinAmericanSpanish
UnityTranslation, 17
Latvian
UnityTranslation, 21
Laz
UnityTranslation, 21
Lezghian
UnityTranslation, 21
Ligurian
UnityTranslation, 21
Limburgish
UnityTranslation, 21
Lingala
UnityTranslation, 21
LinguaFrancaNova
UnityTranslation, 21
list
UnityTranslation::AvailableLanguages, 29
LiteraryChinese
UnityTranslation, 21
Lithuanian
UnityTranslation, 21
Livonian
UnityTranslation, 21
LoadSection
UnityTranslation::Translator, 43
UnityTranslationInternal::Translator, 45
Lojban
UnityTranslation, 19
Lombard
UnityTranslation, 21
LowGerman
UnityTranslation, 22
LowerSilesian
UnityTranslation, 25
LowerSorbian
UnityTranslation, 17
Lozi
UnityTranslation, 21
LubaKatanga
UnityTranslation, 21
LubaLulua
UnityTranslation, 21
Luiseno

UnityTranslation, 21
LuleSami
UnityTranslation, 25
Lunda
UnityTranslation, 21
Luo
UnityTranslation, 21
Luxembourgish
UnityTranslation, 21
Luyia
UnityTranslation, 21

Maba
UnityTranslation, 21
Macedonian
UnityTranslation, 22
Machame
UnityTranslation, 19
Madurese
UnityTranslation, 21
Mafa
UnityTranslation, 21
Magahi
UnityTranslation, 21
MainFranconian
UnityTranslation, 27
Maithili
UnityTranslation, 21
Makasar
UnityTranslation, 21
MakhuwaMeetto
UnityTranslation, 22
Makonde
UnityTranslation, 20
Malagasy
UnityTranslation, 21
Malay
UnityTranslation, 22
Malayalam
UnityTranslation, 22
Maltese
UnityTranslation, 22
Manchu
UnityTranslation, 22
Mandar
UnityTranslation, 21
Mandingo
UnityTranslation, 21
Manipuri
UnityTranslation, 22
Manx
UnityTranslation, 18
Many
UnityTranslationInternal, 28
Maori
UnityTranslation, 22
Mapuche
UnityTranslation, 14
Marathi
UnityTranslation, 22
Mari
UnityTranslation, 16
Marshallese
UnityTranslation, 22
Marwari
UnityTranslation, 22
Masai
UnityTranslation, 21
Mazanderani
UnityTranslation, 22
Medumba
UnityTranslation, 16
Mende
UnityTranslation, 21
Mentawai
UnityTranslation, 22
Meru
UnityTranslation, 21
Meta
UnityTranslation, 22
MexicanSpanish
UnityTranslation, 17
Micmac
UnityTranslation, 22
MiddleDutch
UnityTranslation, 17
MiddleEnglish
UnityTranslation, 17
MiddleFrench
UnityTranslation, 18
MiddleHighGerman
UnityTranslation, 18
MiddleIrish
UnityTranslation, 22
MinNanChinese
UnityTranslation, 22
Minangkabau
UnityTranslation, 22
Mingrelian
UnityTranslation, 27
Mirandese
UnityTranslation, 22
Mizo
UnityTranslation, 21
ModernStandardArabic
UnityTranslation, 14
Mohawk
UnityTranslation, 22
Moksha
UnityTranslation, 21
Moldavian
UnityTranslation, 24
Mongo
UnityTranslation, 21
Mongolian
UnityTranslation, 22
Morisyen

UnityTranslation, 21
MoroccanArabic
UnityTranslation, 14
Mossi
UnityTranslation, 22
MultipleLanguages
UnityTranslation, 22
Mundang
UnityTranslation, 22
MuslimTat
UnityTranslation, 26
Myene
UnityTranslation, 22

Nama
UnityTranslation, 22
nameToLanguage
UnityTranslation::LanguageName, 31
names
UnityTranslation::LanguageName, 32
Nauru
UnityTranslation, 22
Navajo
UnityTranslation, 23
Ndonga
UnityTranslation, 22
Neapolitan
UnityTranslation, 22
Nepali
UnityTranslation, 22
Newari
UnityTranslation, 22
Ngambay
UnityTranslation, 24
Ngiemboon
UnityTranslation, 23
Ngomba
UnityTranslation, 19
Nheengatu
UnityTranslation, 27
Nias
UnityTranslation, 22
Niuean
UnityTranslation, 22
Nko
UnityTranslation, 23
NoLinguisticContent
UnityTranslation, 27
Nogai
UnityTranslation, 23
NorthNdebele
UnityTranslation, 22
NorthernFrisian
UnityTranslation, 18
NorthernSami
UnityTranslation, 24
NorthernSotho
UnityTranslation, 23
Norwegian
UnityTranslation, 23
NorwegianBokmal
UnityTranslation, 22
NorwegianNynorsk
UnityTranslation, 22
Novial
UnityTranslation, 23
Nuer
UnityTranslation, 23
Nyamwezi
UnityTranslation, 23
Nyanja
UnityTranslation, 23
Nyankole
UnityTranslation, 23
NyasaTonga
UnityTranslation, 26
Nyoro
UnityTranslation, 23
Nzima
UnityTranslation, 23

Occitan
UnityTranslation, 23
Ojibwa
UnityTranslation, 23
OldEnglish
UnityTranslation, 14
OldFrench
UnityTranslation, 18
OldHighGerman
UnityTranslation, 18
OldIrish
UnityTranslation, 25
OldNorse
UnityTranslation, 23
OldPersian
UnityTranslation, 23
OldProvencal
UnityTranslation, 23
OnLanguageChanged
UnityTranslation::TextAutoTranslation, 40
One
UnityTranslationInternal, 28
Oriya
UnityTranslation, 23
Oromo
UnityTranslation, 23
Osage
UnityTranslation, 23
Ossetic
UnityTranslation, 23
Other
UnityTranslationInternal, 28
OttomanTurkish
UnityTranslation, 23

Pahlavi
UnityTranslation, 23

PalatineGerman
UnityTranslation, 23
Palauan
UnityTranslation, 23
Pali
UnityTranslation, 23
Pampanga
UnityTranslation, 23
Pangasinan
UnityTranslation, 23
Papiamento
UnityTranslation, 23
Pashto
UnityTranslation, 23
PennsylvaniaGerman
UnityTranslation, 23
Persian
UnityTranslation, 17
Phoenician
UnityTranslation, 23
Picard
UnityTranslation, 23
Piedmontese
UnityTranslation, 23
Plautdietsch
UnityTranslation, 23
plurals
UnityTranslation::R, 35
PluralsFunction
UnityTranslationInternal::PluralsRules, 34
pluralsFunctions
UnityTranslationInternal::PluralsRules, 34
PluralsQuantity
UnityTranslationInternal, 28
pluralsValues
UnityTranslationInternal::Translator::Section↩
LocaleTokens, 37
Pohnpeian
UnityTranslation, 23
Polish
UnityTranslation, 23
Pontic
UnityTranslation, 23
Portuguese
UnityTranslation, 23
processTokenValue
UnityTranslationInternal::Utils, 46
Prussian
UnityTranslation, 23
Punjabi
UnityTranslation, 23
Pushto
UnityTranslation, 23

Quechua
UnityTranslation, 24

Rajasthani
UnityTranslation, 24
Rapanui
UnityTranslation, 24
Rarotongan
UnityTranslation, 24
removeLanguageChangedListener
UnityTranslation::Translator, 43
UnityTranslationInternal::Translator, 45
Riffian
UnityTranslation, 24
Romagnol
UnityTranslation, 24
Romanian
UnityTranslation, 24
Romansh
UnityTranslation, 24
Romany
UnityTranslation, 24
Rombo
UnityTranslation, 24
Rotuman
UnityTranslation, 24
Roviana
UnityTranslation, 24
Rundi
UnityTranslation, 24
Russian
UnityTranslation, 24
Rusyn
UnityTranslation, 24
Rwa
UnityTranslation, 24

Saho
UnityTranslation, 25
Sakha
UnityTranslation, 24
SamaritanAramaic
UnityTranslation, 24
Samburu
UnityTranslation, 24
Samoan
UnityTranslation, 25
Samogitian
UnityTranslation, 25
Sandawe
UnityTranslation, 24
Sango
UnityTranslation, 24
Sangu
UnityTranslation, 24
Sanskrit
UnityTranslation, 24
Santali
UnityTranslation, 24
Sardinian
UnityTranslation, 24
Sasak
UnityTranslation, 24
SassareseSardinian

UnityTranslation, 24
SaterlandFrisian
UnityTranslation, 25
Saurashtra
UnityTranslation, 24
Scots
UnityTranslation, 24
ScottishGaelic
UnityTranslation, 18
SectionID
UnityTranslation::R::sections, 38
SectionLocaleTokens
UnityTranslationInternal::Translator::Section↩
LocaleTokens, 36
SectionTokens
UnityTranslationInternal::Translator::Section↩
Tokens, 39
Selayar
UnityTranslation, 25
selectedLanguage
UnityTranslationInternal::Translator::Section↩
Tokens, 39
Selkup
UnityTranslation, 24
Sena
UnityTranslation, 24
Seneca
UnityTranslation, 24
Serbian
UnityTranslation, 25
SerboCroatian
UnityTranslation, 25
Serer
UnityTranslation, 25
Seri
UnityTranslation, 24
Shambala
UnityTranslation, 20
Shan
UnityTranslation, 25
Shona
UnityTranslation, 25
SichuanYi
UnityTranslation, 19
Sicilian
UnityTranslation, 24
Sidamo
UnityTranslation, 25
Siksika
UnityTranslation, 15
Silesian
UnityTranslation, 25
SimplifiedChinese
UnityTranslation, 27
Sindhi
UnityTranslation, 24
Sinhala
UnityTranslation, 25
SkoltSami
UnityTranslation, 25
Slave
UnityTranslation, 16
Slovak
UnityTranslation, 25
Slovenian
UnityTranslation, 25
Soga
UnityTranslation, 27
Sogdien
UnityTranslation, 25
Somali
UnityTranslation, 25
Soninke
UnityTranslation, 25
SoraniKurdish
UnityTranslation, 16
SouthAzerbaijani
UnityTranslation, 15
SouthNdebele
UnityTranslation, 23
SouthernAltai
UnityTranslation, 14
SouthernSami
UnityTranslation, 25
SouthernSotho
UnityTranslation, 25
Spanish
UnityTranslation, 17
SrananTongo
UnityTranslation, 25
StandardMoroccanTamazight
UnityTranslation, 27
stringArrayValues
UnityTranslationInternal::Translator::Section↩
LocaleTokens, 37
stringValues
UnityTranslationInternal::Translator::Section↩
LocaleTokens, 37
strings
UnityTranslation::R, 35
Sukuma
UnityTranslation, 25
Sumerian
UnityTranslation, 25
Sundanese
UnityTranslation, 25
Susu
UnityTranslation, 25
Swahili
UnityTranslation, 25
Swati
UnityTranslation, 25
Swedish
UnityTranslation, 25
SwissFrench
UnityTranslation, 18

SwissGerman
UnityTranslation, 18
SwissHighGerman
UnityTranslation, 16
Syriac
UnityTranslation, 25
systemLanguageToLanguage
UnityTranslation::LanguageSystemName, 33
systemLanguages
UnityTranslation::LanguageSystemName, 33

Tachelhit
UnityTranslation, 25
Tagalog
UnityTranslation, 26
Tahitian
UnityTranslation, 26
Taita
UnityTranslation, 16
Tajik
UnityTranslation, 26
Talysh
UnityTranslation, 26
Tamashek
UnityTranslation, 26
Tamil
UnityTranslation, 25
Taroko
UnityTranslation, 26
Tasawaq
UnityTranslation, 26
Tatar
UnityTranslation, 26
Telugu
UnityTranslation, 25
Tereno
UnityTranslation, 26
Teso
UnityTranslation, 25
Tetum
UnityTranslation, 26
Thai
UnityTranslation, 26
Tibetan
UnityTranslation, 15
Tigre
UnityTranslation, 26
Tigrinya
UnityTranslation, 26
Timne
UnityTranslation, 25
Tiv
UnityTranslation, 26
Tlingit
UnityTranslation, 26
TokPisin
UnityTranslation, 26
Tokelau
UnityTranslation, 26
tokenIds
UnityTranslation::R, 35
tokens
UnityTranslationInternal::Translator, 45
Tongan
UnityTranslation, 26
TornedalenFinnish
UnityTranslation, 17
TraditionalChinese
UnityTranslation, 27
Tsakhur
UnityTranslation, 26
Tsakonian
UnityTranslation, 26
Tsimshian
UnityTranslation, 26
Tsonga
UnityTranslation, 26
Tswana
UnityTranslation, 26
Tulu
UnityTranslation, 25
Tumbuka
UnityTranslation, 26
TunisianArabic
UnityTranslation, 14
Turkish
UnityTranslation, 26
Turkmen
UnityTranslation, 26
Turoyo
UnityTranslation, 26
Tuvalu
UnityTranslation, 26
Tuvinian
UnityTranslation, 26
Twi
UnityTranslation, 26
Two
UnityTranslationInternal, 28
Tyap
UnityTranslation, 20

UKEnglish
UnityTranslation, 17
USEnglish
UnityTranslation, 17
Udmurt
UnityTranslation, 26
Ugaritic
UnityTranslation, 26
Uighur
UnityTranslation, 26
Ukrainian
UnityTranslation, 26
Umbundu
UnityTranslation, 26
UnityTranslation, 11
Abkhazian, 14

Achinese, 14
Acoli, 14
Adangme, 14
Adyghe, 14
Afar, 14
Afrihili, 14
Afrikaans, 14
Aghem, 14
Ainu, 14
Akan, 14
Akkadian, 14
Akoose, 15
Alabama, 14
Albanian, 25
Aleut, 14
AlgerianArabic, 14
AmericanEnglish, 17
AmericanSignLanguage, 15
Amharic, 14
AncientEgyptian, 17
AncientGreek, 18
Angika, 14
AoNaga, 22
Arabic, 14
Aragonese, 14
Aramaic, 14
Araona, 14
Arapaho, 14
Arawak, 14
Armenian, 19
Aromanian, 24
Arpitan, 18
Assamese, 15
Asturian, 15
Asu, 15
Atsam, 16
AustralianEnglish, 17
AustrianGerman, 16
Avaric, 15
Avestan, 14
Awadhi, 15
Aymara, 15
Azerbaijani, 15
Azeri, 15
Badaga, 15
Bafia, 20
Bafut, 15
Bakhtiari, 15
Balinese, 15
Baluchi, 15
Bambara, 15
Bamun, 15
Banjar, 15
Basaa, 15
Bashkir, 15
Basque, 17
BatakToba, 15
Bavarian, 15
Beja, 15
Belarusian, 15
Bemba, 15
Bena, 15
Bengali, 15
Betawi, 15
Bhojpuri, 15
Bikol, 15
Bini, 15
Bishnupriya, 15
Bislama, 15
Blin, 16
Blissymbols, 27
Bodo, 15
Bosnian, 15
Brahui, 15
Braj, 15
BrazilianPortuguese, 24
Breton, 15
BritishEnglish, 17
Buginese, 16
Bulgarian, 15
Bulu, 16
Buriat, 16
Burmese, 22
Caddo, 16
CajunFrench, 18
CanadianEnglish, 17
CanadianFrench, 18
Cantonese, 27
Capiznon, 16
Carib, 16
Catalan, 16
Cayuga, 16
Cebuano, 16
CentralAtlasTamazight, 26
CentralDusun, 17
CentralYupik, 17
ChadianArabic, 25
Chagatai, 16
Chamorro, 16
Chechen, 16
Cherokee, 16
Cheyenne, 16
Chibcha, 16
Chiga, 16
ChimborazoHighlandQuichua, 24
Chinese, 27
ChinookJargon, 16
Chipewyan, 16
Choctaw, 16
ChurchSlavic, 16
Chuukese, 16
Chuvash, 16
ClassicalNewari, 23
ClassicalSyriac, 25
Colognian, 20
Comorian, 25

CongoSwahili, 25
Coptic, 16
Cornish, 20
Corsican, 16
Count, 27
Cree, 16
Creek, 22
CrimeanTurkish, 16
Croatian, 19
Czech, 16
Dakota, 16
Danish, 16
Dargwa, 16
Dazaga, 17
Default, 14
Delaware, 16
Dinka, 16
Divehi, 17
Dogri, 17
Dogrib, 16
Duala, 17
Dutch, 22
Dyula, 17
Dzongkha, 17
EasternFrisian, 18
Efik, 17
EgyptianArabic, 14
Ekajuk, 17
Elamite, 17
Embu, 17
Emilian, 17
English, 17
Erzya, 22
Esperanto, 17
Estonian, 17
EuropeanPortuguese, 24
EuropeanSpanish, 17
Ewe, 17
Ewondo, 17
Extremaduran, 17
Fang, 17
Fanti, 17
Faroese, 18
FijiHindi, 19
Fijian, 17
Filipino, 17
Finnish, 17
Flemish, 22
Fon, 18
Frafra, 18
French, 18
Friulian, 18
Fulah, 17
Ga, 18
Gagauz, 18
Galician, 18
GanChinese, 18
Ganda, 21
Gayo, 18
Gbaya, 18
Geez, 18
Georgian, 19
German, 16
GhegAlbanian, 14
Ghomala, 15
Gilaki, 18
Gilbertese, 18
GoanKonkani, 18
Gondi, 18
Gorontalo, 18
Gothic, 18
Grebo, 18
Greek, 17
Guarani, 18
Gujarati, 18
Gusii, 18
Gwichin, 18
Haida, 18
Haitian, 19
HakkaChinese, 18
Hausa, 18
Hawaiian, 18
Hebrew, 19
Herero, 19
Hiligaynon, 19
Hindi, 19
HiriMotu, 19
Hittite, 19
Hmong, 19
Hungarian, 19
Hupa, 19
Iban, 19
Ibibio, 19
Icelandic, 19
Ido, 19
Igbo, 19
Iloko, 19
InariSami, 25
Indonesian, 19
Ingrian, 19
Ingush, 19
Interlingua, 19
Interlingue, 19
Inuktitut, 19
Inupiaq, 19
Irish, 18
Italian, 19
JamaicanCreoleEnglish, 19
Japanese, 19
Javanese, 19
Jju, 19
JolaFonyi, 17
JudeoArabic, 19
JudeoPersian, 19
Jutish, 19
Kabardian, 20

Kabuverdianu, 20
Kabyle, 19
Kachin, 19
Kaingang, 20
Kako, 20
Kalaallisut, 20
Kalenjin, 20
Kalmyk, 27
Kamba, 19
Kanembu, 20
Kannada, 20
Kanuri, 20
KaraKalpak, 19
KarachayBalkar, 20
Karelian, 20
Kashmiri, 20
Kashubian, 16
Kawi, 20
Kazakh, 20
Kenyang, 20
Khasi, 20
Khmer, 20
Khotanese, 20
Khowar, 20
Kiche, 24
Kikuyu, 20
Kimbundu, 20
KinarayA, 20
Kinyarwanda, 24
Kirghiz, 21
Kirmanjki, 20
Klingon, 26
Kom, 15
Komi, 20
KomiPermyak, 20
Kongo, 20
Konkani, 20
Korean, 20
Koro, 20
Kosraean, 20
Kotava, 15
KoyraChiini, 20
KoyraboroSenni, 24
Kpelle, 20
Krio, 20
Kuanyama, 20
Kumyk, 20
Kurdish, 20
Kurukh, 20
Kutenai, 20
Kwasio, 22
Kyrgyz, 20
Ladino, 21
Lahnda, 21
Lakota, 21
Lamba, 21
Langi, 21
Language, 14
Lao, 21
Latgalian, 21
Latin, 21
LatinAmericanSpanish, 17
Latvian, 21
Laz, 21
Lezghian, 21
Ligurian, 21
Limburgish, 21
Lingala, 21
LinguaFrancaNova, 21
LiteraryChinese, 21
Lithuanian, 21
Livonian, 21
Lojban, 19
Lombard, 21
LowGerman, 22
LowerSilesian, 25
LowerSorbian, 17
Lozi, 21
LubaKatanga, 21
LubaLulua, 21
Luiseno, 21
LuleSami, 25
Lunda, 21
Luo, 21
Luxembourgish, 21
Luyia, 21
Maba, 21
Macedonian, 22
Machame, 19
Madurese, 21
Mafa, 21
Magahi, 21
MainFranconian, 27
Maithili, 21
Makasar, 21
MakhuwaMeetto, 22
Makonde, 20
Malagasy, 21
Malay, 22
Malayalam, 22
Maltese, 22
Manchu, 22
Mandar, 21
Mandingo, 21
Manipuri, 22
Manx, 18
Maori, 22
Mapuche, 14
Marathi, 22
Mari, 16
Marshallese, 22
Marwari, 22
Masai, 21
Mazanderani, 22
Medumba, 16
Mende, 21

Mentawai, 22
Meru, 21
Meta, 22
MexicanSpanish, 17
Micmac, 22
MiddleDutch, 17
MiddleEnglish, 17
MiddleFrench, 18
MiddleHighGerman, 18
MiddleIrish, 22
MinNanChinese, 22
Minangkabau, 22
Mingrelian, 27
Mirandese, 22
Mizo, 21
ModernStandardArabic, 14
Mohawk, 22
Moksha, 21
Moldavian, 24
Mongo, 21
Mongolian, 22
Morisyen, 21
MoroccanArabic, 14
Mossi, 22
MultipleLanguages, 22
Mundang, 22
MuslimTat, 26
Myene, 22
Nama, 22
Nauru, 22
Navajo, 23
Ndonga, 22
Neapolitan, 22
Nepali, 22
Newari, 22
Ngambay, 24
Ngiemboon, 23
Ngomba, 19
Nheengatu, 27
Nias, 22
Niuean, 22
Nko, 23
NoLinguisticContent, 27
Nogai, 23
NorthNdebele, 22
NorthernFrisian, 18
NorthernSami, 24
NorthernSotho, 23
Norwegian, 23
NorwegianBokmal, 22
NorwegianNynorsk, 22
Novial, 23
Nuer, 23
Nyamwezi, 23
Nyanja, 23
Nyankole, 23
NyasaTonga, 26
Nyoro, 23
Nzima, 23
Occitan, 23
Ojibwa, 23
OldEnglish, 14
OldFrench, 18
OldHighGerman, 18
OldIrish, 25
OldNorse, 23
OldPersian, 23
OldProvencal, 23
Oriya, 23
Oromo, 23
Osage, 23
Ossetic, 23
OttomanTurkish, 23
Pahlavi, 23
PalatineGerman, 23
Palauan, 23
Pali, 23
Pampanga, 23
Pangasinan, 23
Papiamento, 23
Pashto, 23
PennsylvaniaGerman, 23
Persian, 17
Phoenician, 23
Picard, 23
Piedmontese, 23
Plautdietsch, 23
Pohnpeian, 23
Polish, 23
Pontic, 23
Portuguese, 23
Prussian, 23
Punjabi, 23
Pushto, 23
Quechua, 24
Rajasthani, 24
Rapanui, 24
Rarotongan, 24
Riffian, 24
Romagnol, 24
Romanian, 24
Romansh, 24
Romany, 24
Rombo, 24
Rotuman, 24
Roviana, 24
Rundi, 24
Russian, 24
Rusyn, 24
Rwa, 24
Saho, 25
Sakha, 24
SamaritanAramaic, 24
Samburu, 24
Samoan, 25
Samogitian, 25

Sandawe, 24
Sango, 24
Sangu, 24
Sanskrit, 24
Santali, 24
Sardinian, 24
Sasak, 24
SassareseSardinian, 24
SaterlandFrisian, 25
Saurashtra, 24
Scots, 24
ScottishGaelic, 18
Selayar, 25
Selkup, 24
Sena, 24
Seneca, 24
Serbian, 25
SerboCroatian, 25
Serer, 25
Seri, 24
Shambala, 20
Shan, 25
Shona, 25
SichuanYi, 19
Sicilian, 24
Sidamo, 25
Siksika, 15
Silesian, 25
SimplifiedChinese, 27
Sindhi, 24
Sinhala, 25
SkoltSami, 25
Slave, 16
Slovak, 25
Slovenian, 25
Soga, 27
Sogdien, 25
Somali, 25
Soninke, 25
SoraniKurdish, 16
SouthAzerbaijani, 15
SouthNdebele, 23
SouthernAltai, 14
SouthernSami, 25
SouthernSotho, 25
Spanish, 17
SrananTongo, 25
StandardMoroccanTamazight, 27
Sukuma, 25
Sumerian, 25
Sundanese, 25
Susu, 25
Swahili, 25
Swati, 25
Swedish, 25
SwissFrench, 18
SwissGerman, 18
SwissHighGerman, 16
Syriac, 25
Tachelhit, 25
Tagalog, 26
Tahitian, 26
Taita, 16
Tajik, 26
Talysh, 26
Tamashek, 26
Tamil, 25
Taroko, 26
Tasawaq, 26
Tatar, 26
Telugu, 25
Tereno, 26
Teso, 25
Tetum, 26
Thai, 26
Tibetan, 15
Tigre, 26
Tigrinya, 26
Timne, 25
Tiv, 26
Tlingit, 26
TokPisin, 26
Tokelau, 26
Tongan, 26
TornedalenFinnish, 17
TraditionalChinese, 27
Tsakhur, 26
Tsakonian, 26
Tsimshian, 26
Tsonga, 26
Tswana, 26
Tulu, 25
Tumbuka, 26
TunisianArabic, 14
Turkish, 26
Turkmen, 26
Turoyo, 26
Tuvalu, 26
Tuvinian, 26
Twi, 26
Tyap, 20
UKEnglish, 17
USEnglish, 17
Udmurt, 26
Ugaritic, 26
Uighur, 26
Ukrainian, 26
Umbundu, 26
UnknownLanguage, 26
UpperSorbian, 19
Urdu, 26
Uyghur, 26
Uzbek, 26
Vai, 26
Venda, 26
Venetian, 27

Veps, 27
Vietnamese, 27
Volapuk, 27
Voro, 27
Votic, 27
Vunjo, 27
Walloon, 27
Walser, 27
Waray, 27
Washo, 27
Wayuu, 18
Welsh, 16
WestFlemish, 27
WesternFrisian, 18
WesternMari, 22
Wolaytta, 27
Wolof, 27
WuChinese, 27
Xhosa, 27
XiangChinese, 19
Yangben, 27
Yao, 27
Yapese, 27
Yemba, 27
Yiddish, 27
Yoruba, 27
Zapotec, 27
Zarma, 17
Zaza, 27
Zeelandic, 27
Zenaga, 27
Zhuang, 27
ZoroastrianDari, 18
Zulu, 27
Zuni, 27
UnityTranslation.AvailableLanguages, 29
UnityTranslation.LanguageCode, 29
UnityTranslation.LanguageName, 31
UnityTranslation.LanguageSystemName, 32
UnityTranslation.R, 34
UnityTranslation.R.sections, 37
UnityTranslation.TextAutoTranslation, 39
UnityTranslation.Translator, 40
UnityTranslation::AvailableLanguages
list, 29
UnityTranslation::LanguageCode
codeToLanguage, 30
codes, 30
languageToCode, 30
UnityTranslation::LanguageName
languageToName, 31
nameToLanguage, 31
names, 32
UnityTranslation::LanguageSystemName
languageToSystemLanguage, 32
languages, 33
systemLanguageToLanguage, 33
systemLanguages, 33
UnityTranslation::R
app_name, 35
array, 35
Count, 35
plurals, 35
strings, 35
tokenIds, 35
UnityTranslation::R::sections
Count, 38
SectionID, 38
xmlFiles, 38
UnityTranslation::TextAutoTranslation
id, 40
OnLanguageChanged, 40
UnityTranslation::Translator
addLanguageChangedListener, 41
getQuantityString, 41
getString, 42
getStringArray, 42
IsSectionLoaded, 42
language, 43
LoadSection, 43
removeLanguageChangedListener, 43
UnloadSection, 43
UnityTranslationInternal, 28
Count, 28
Few, 28
Many, 28
One, 28
Other, 28
PluralsQuantity, 28
Two, 28
Zero, 28
UnityTranslationInternal.PluralsRules, 33
UnityTranslationInternal.Translator, 43
UnityTranslationInternal.Translator.SectionLocale↩
Tokens, 36
UnityTranslationInternal.Translator.SectionTokens, 38
UnityTranslationInternal.Utils, 46
UnityTranslationInternal::PluralsRules
PluralsFunction, 34
pluralsFunctions, 34
UnityTranslationInternal::Translator
addLanguageChangedListener, 44
IsSectionLoaded, 45
language, 46
LoadSection, 45
removeLanguageChangedListener, 45
tokens, 45
UnloadSection, 45
UnityTranslationInternal::Translator::SectionLocale↩
Tokens
pluralsValues, 37
SectionLocaleTokens, 36
stringArrayValues, 37
stringValues, 37
UnityTranslationInternal::Translator::SectionTokens
defaultLanguage, 39

SectionTokens, 39
selectedLanguage, 39
UnityTranslationInternal::Utils
checkTokenName, 46
processTokenValue, 46
UnknownLanguage
UnityTranslation, 26
UnloadSection
UnityTranslation::Translator, 43
UnityTranslationInternal::Translator, 45
UpperSorbian
UnityTranslation, 19
Urdu
UnityTranslation, 26
Uyghur
UnityTranslation, 26
Uzbek
UnityTranslation, 26

Vai
UnityTranslation, 26
Venda
UnityTranslation, 26
Venetian
UnityTranslation, 27
Veps
UnityTranslation, 27
Vietnamese
UnityTranslation, 27
Volapuk
UnityTranslation, 27
Voro
UnityTranslation, 27
Votic
UnityTranslation, 27
Vunjo
UnityTranslation, 27

Walloon
UnityTranslation, 27
Walser
UnityTranslation, 27
Waray
UnityTranslation, 27
Washo
UnityTranslation, 27
Wayuu
UnityTranslation, 18
Welsh
UnityTranslation, 16
WestFlemish
UnityTranslation, 27
WesternFrisian
UnityTranslation, 18
WesternMari
UnityTranslation, 22
Wolaytta
UnityTranslation, 27
Wolof
UnityTranslation, 27
WuChinese
UnityTranslation, 27

Xhosa
UnityTranslation, 27
XiangChinese
UnityTranslation, 19
xmlFiles
UnityTranslation::R::sections, 38

Yangben
UnityTranslation, 27
Yao
UnityTranslation, 27
Yapese
UnityTranslation, 27
Yemba
UnityTranslation, 27
Yiddish
UnityTranslation, 27
Yoruba
UnityTranslation, 27

Zapotec
UnityTranslation, 27
Zarma
UnityTranslation, 17
Zaza
UnityTranslation, 27
Zeelandic
UnityTranslation, 27
Zenaga
UnityTranslation, 27
Zero
UnityTranslationInternal, 28
Zhuang
UnityTranslation, 27
ZoroastrianDari
UnityTranslation, 18
Zulu
UnityTranslation, 27
Zuni
UnityTranslation, 27