

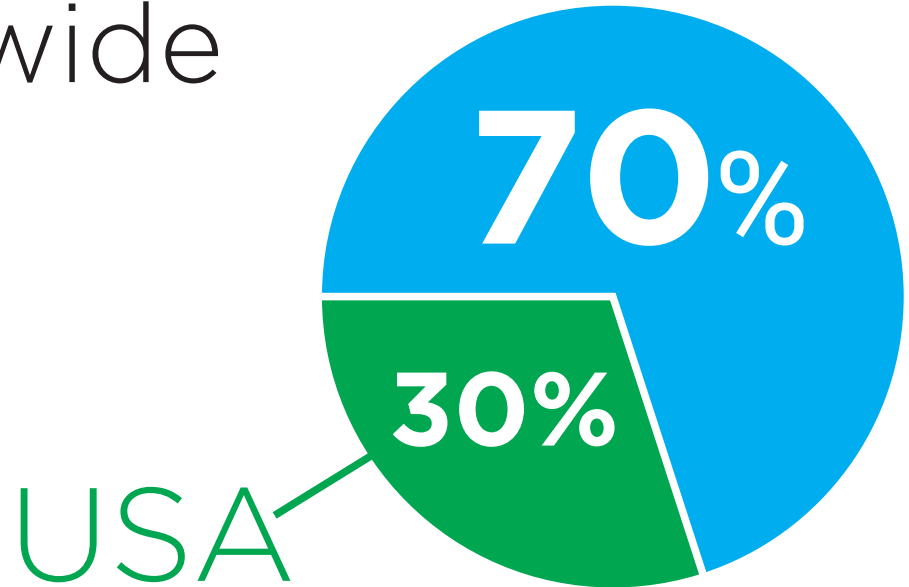


Continuous Localization at Evernote

using Open Source

150,000,000

Users Worldwide



15,000 words/month



Software

Marketing

Android, iOS

Mac OS

Windows, Web

Website

Google Docs

Zendesk KB

35 Projects
(Components)



Localization Team:



Director of Localization



Localization Manager



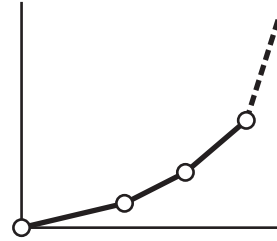
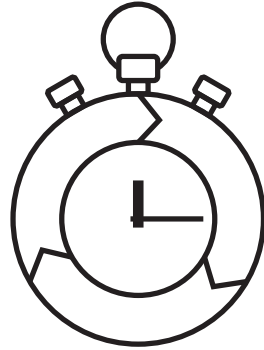
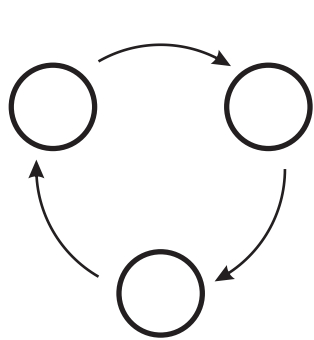
Software Engineer

Translation Team (30 people):



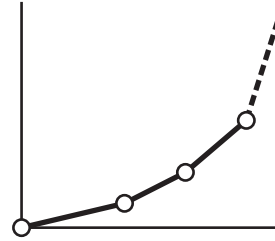
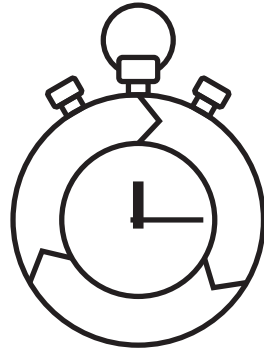
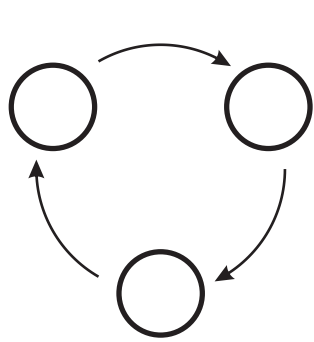
Continuous Localization

Continuous Localization



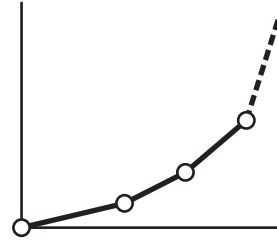
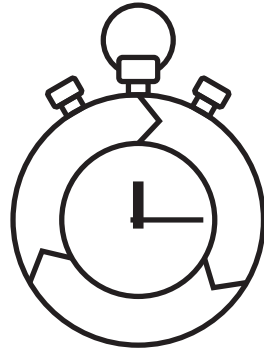
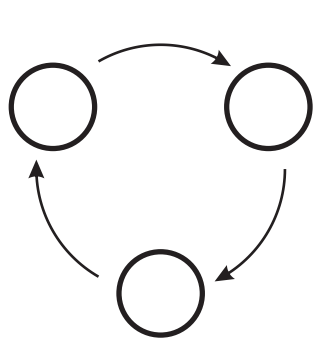
Simplifies Workflow

Continuous Localization



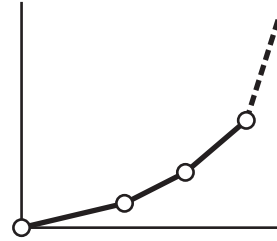
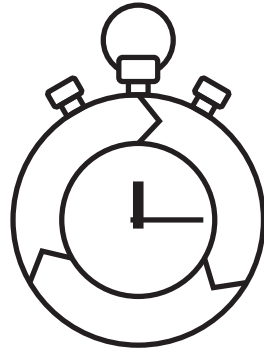
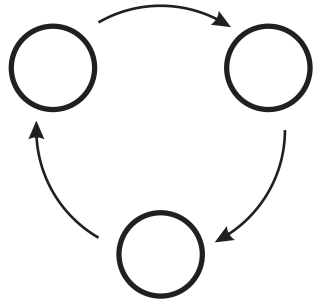
Improves Agility & Quality

Continuous Localization



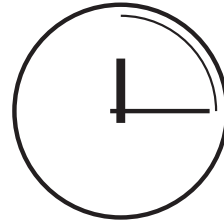
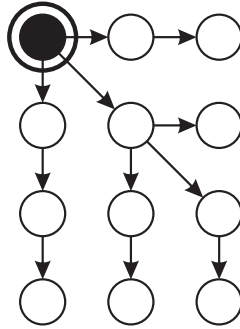
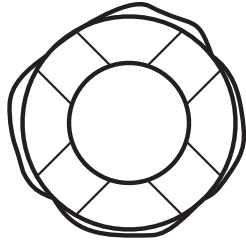
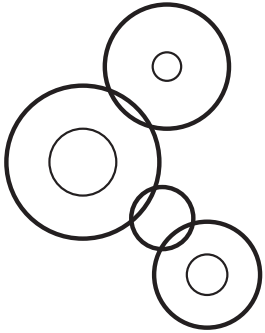
Ensures Scalability

Continuous Localization



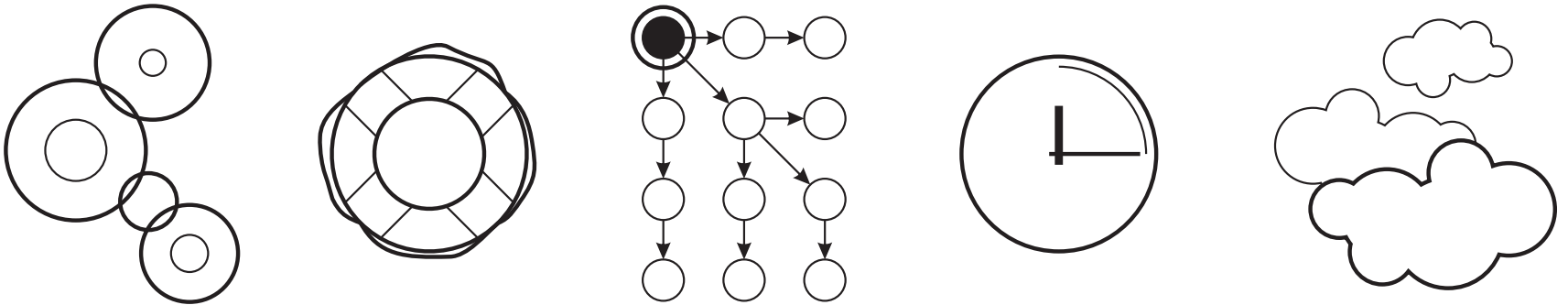
Saves Money & Resources

Our Localization System



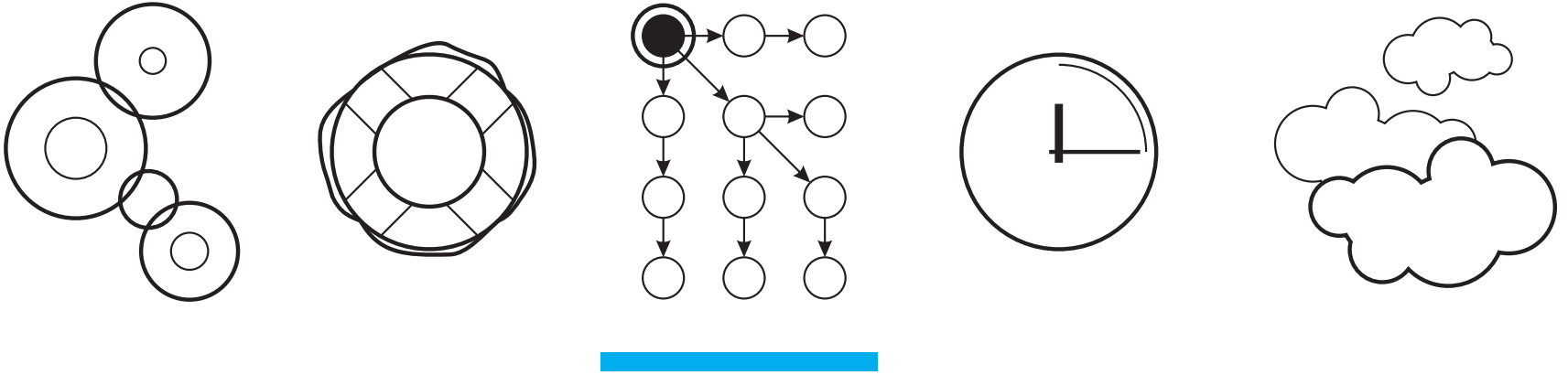
Fully Automated

Our Localization System



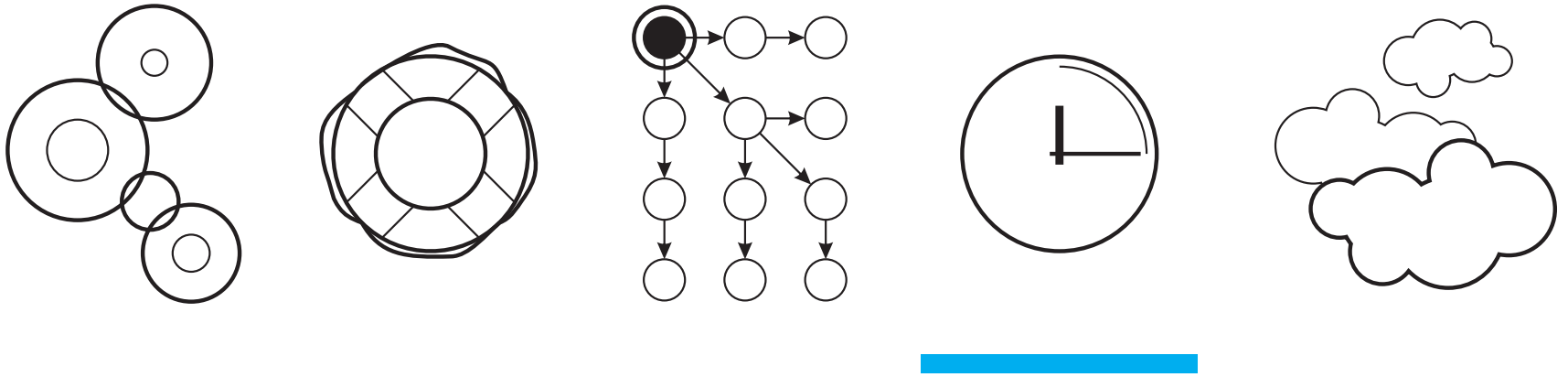
Localization Manager Connects
Engineers & Translators

Our Localization System



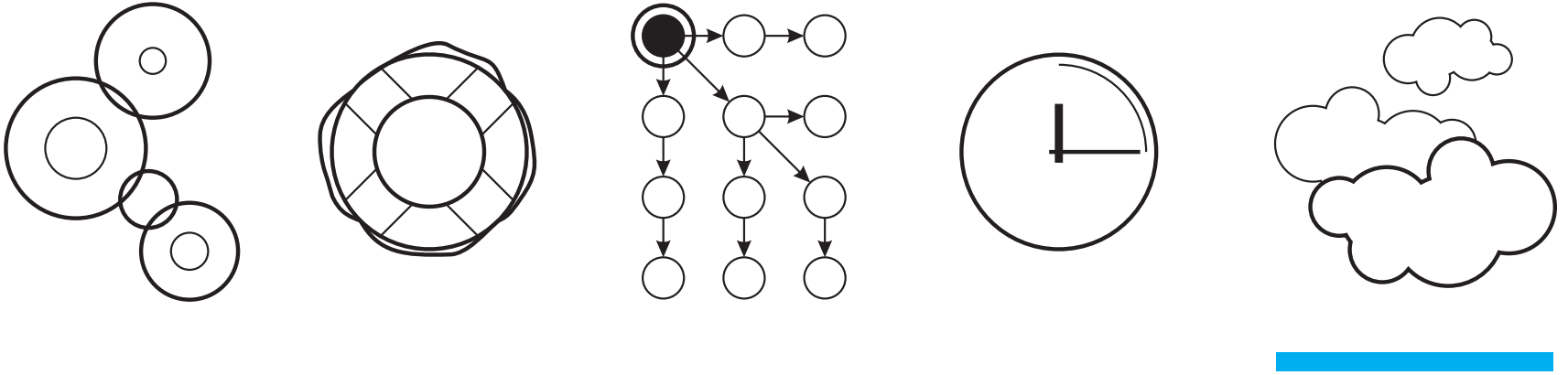
Engineers Work Only
with English Resources

Our Localization System



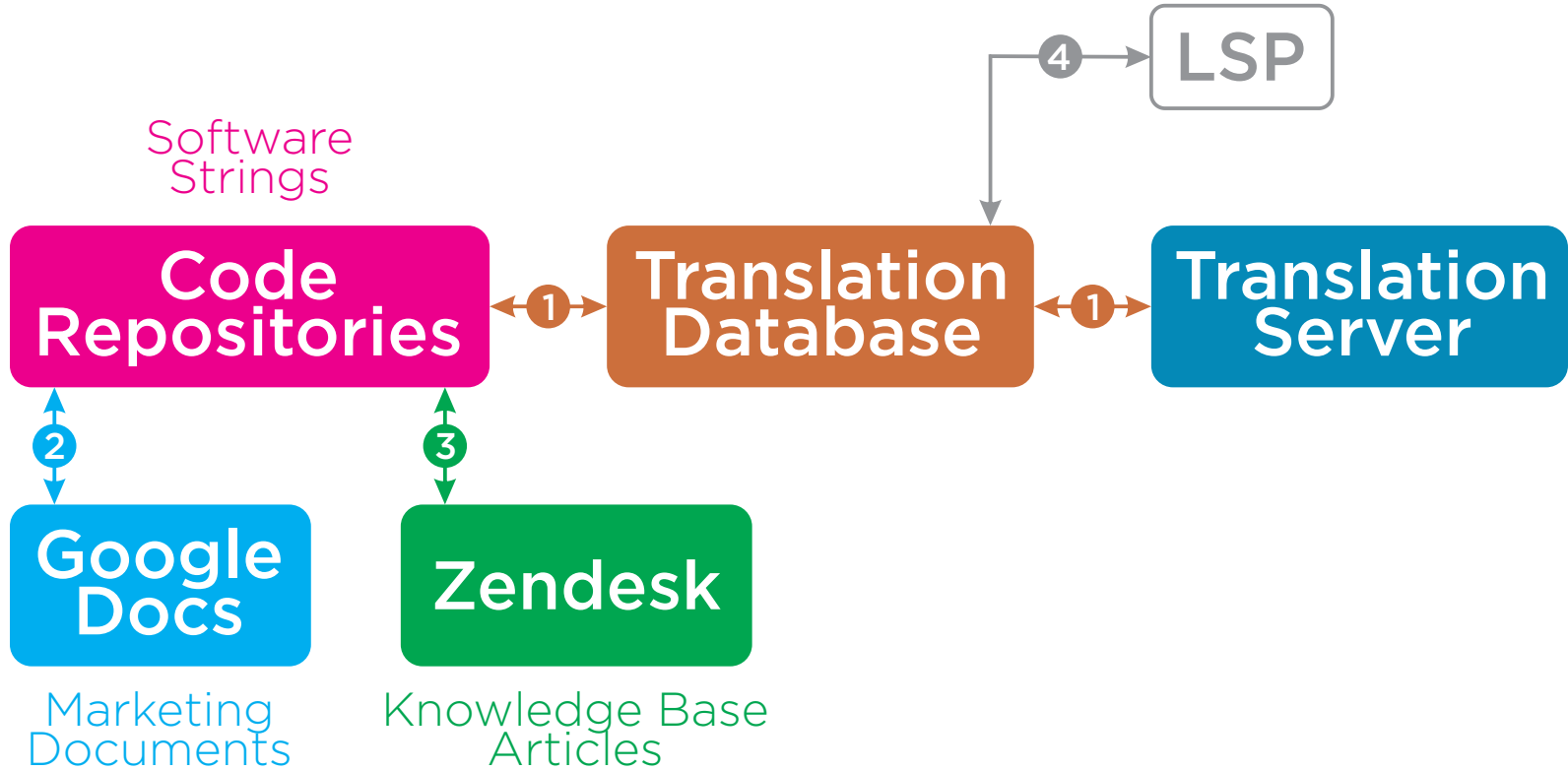
Cycle Takes ~15-20 Minutes

Our Localization System



Translators work Online

Key Components





Marketing Documents

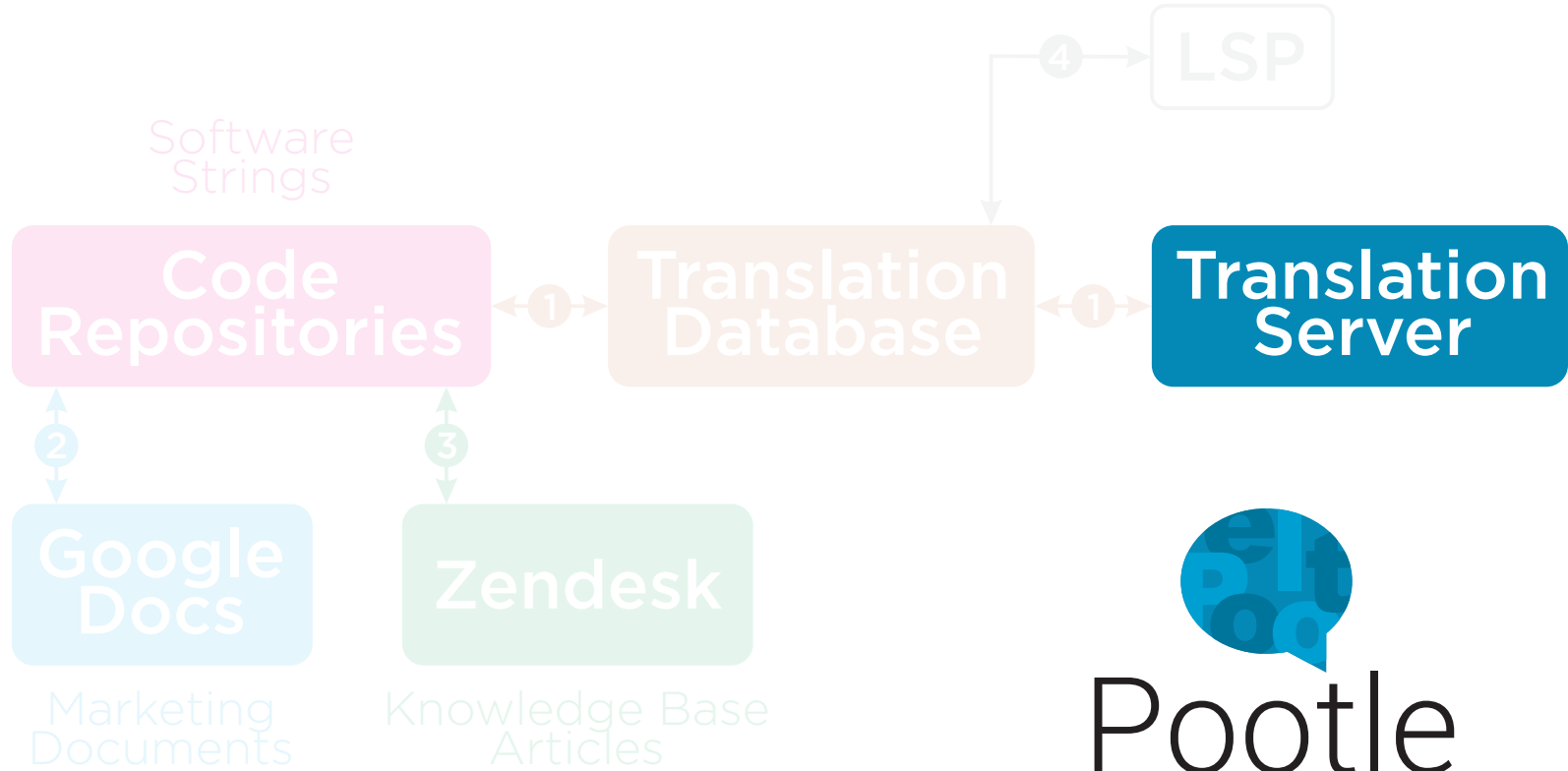


Knowledge Base Articles

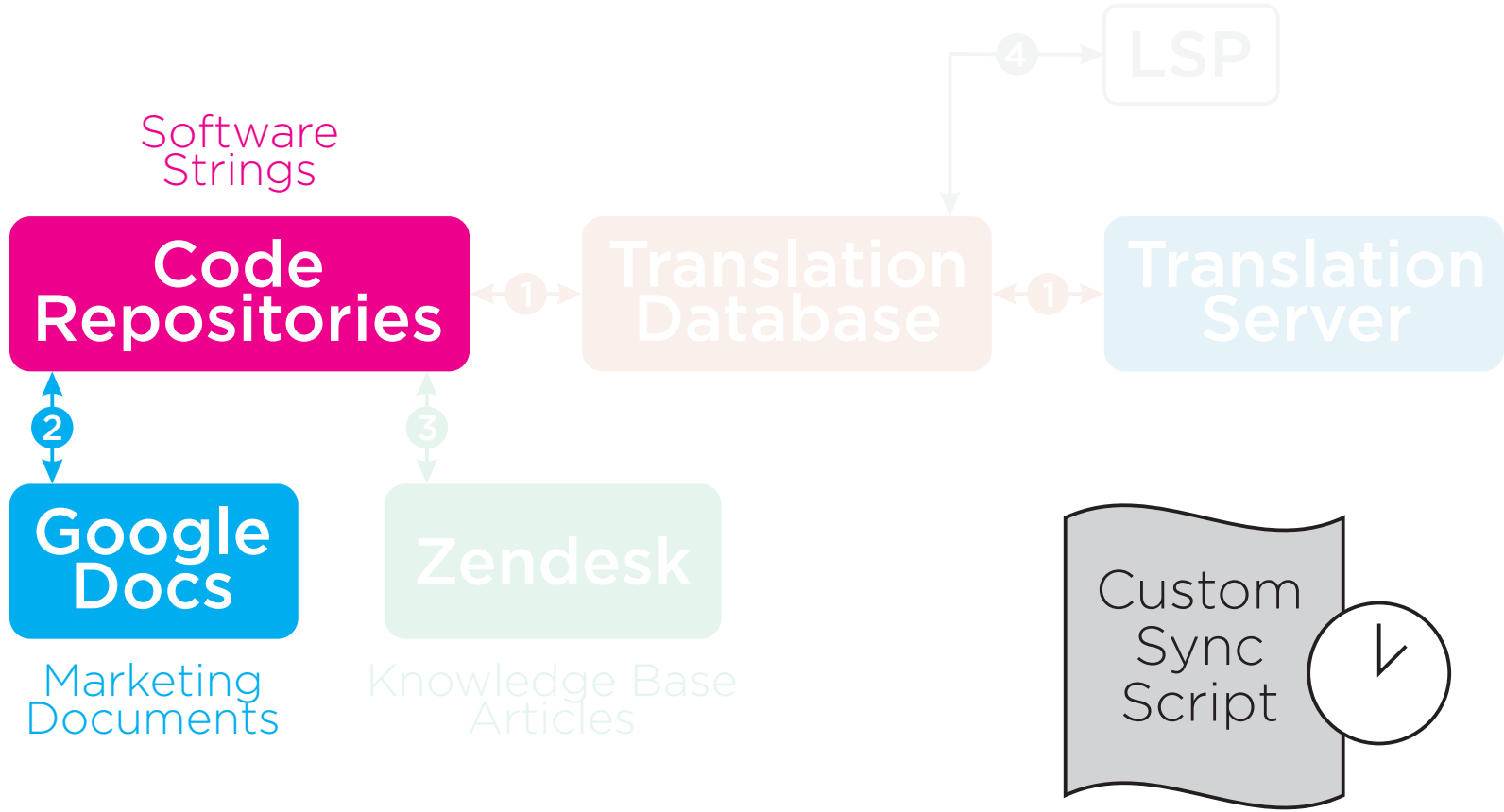


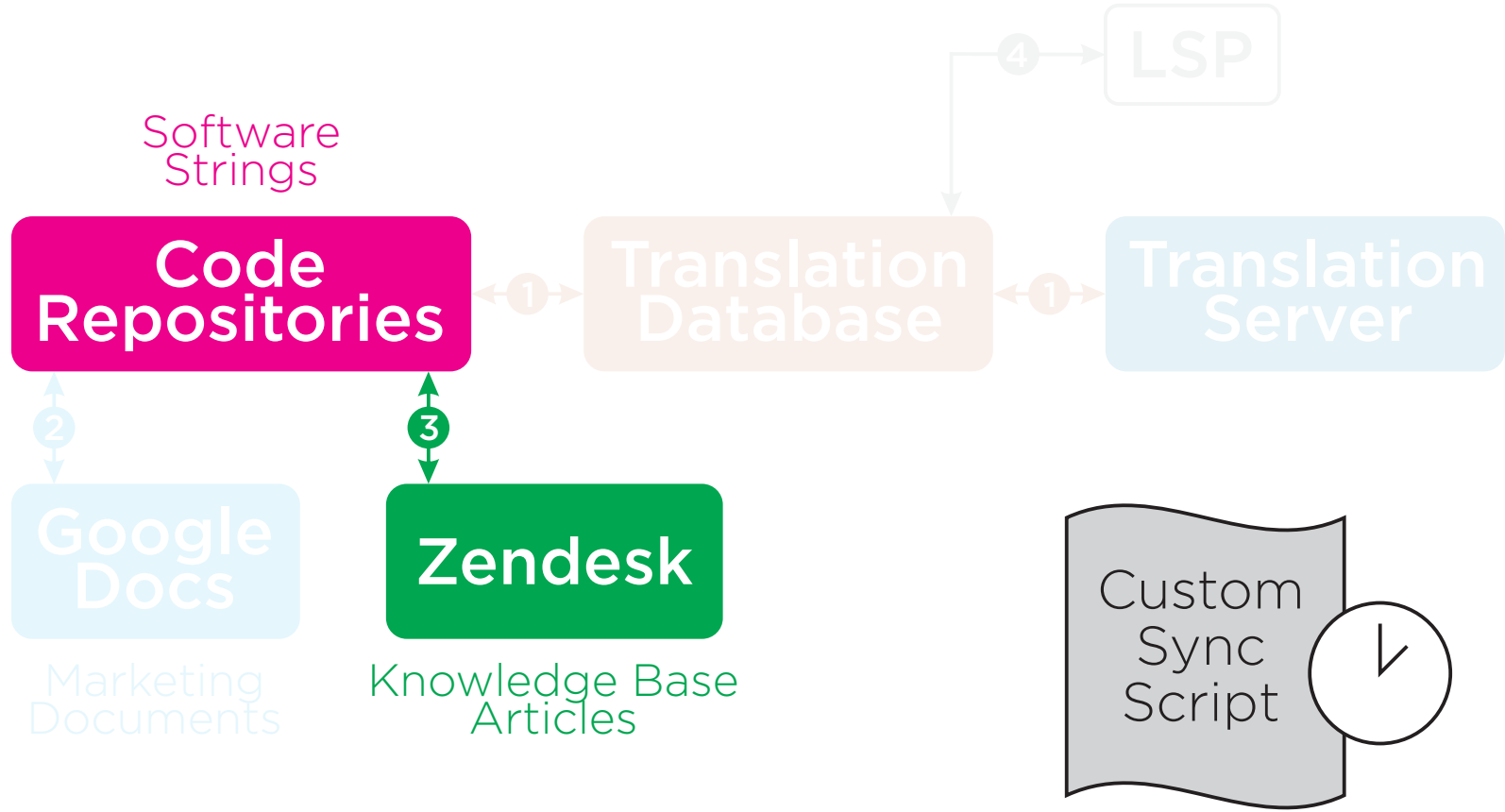
Serge

String Extraction and
Resource Generation Engine



PO-based One
Translation/Localization Engine







Pootle



Browse ▾ French * ▾ All Projects ▾



Search 🔍

Continue translation 8407

Review suggestions 311

View all 503519

| Name ⌵ | Progress ⌵ | Total ⌵ | Last updated ⌵ | Need Translation ▾ | Suggestions | Critical ⌵ | Last Activity ⌵ |
|---------------------------|------------------------|---------|----------------|--------------------|-------------|------------|------------------------|
| Evernote Customer Support | <div><div></div></div> | 18274 | A week ago | 8364 | 0 | 0 | Elise TTH 6 hours ago |
| Website (v3) | <div><div></div></div> | 454 | 21 weeks ago | 43 | 0 | 0 | L10N Robot 4 weeks ago |
| Website | <div><div></div></div> | 196341 | Yesterday | 0 | 0 | 0 | Elise TTH 9 hours ago |

translate.evernote.com


[Browse](#) ▾ [French](#) * ▾ [All Projects](#) ▾


[Continue translation](#) **8407**
[Review suggestions](#) **311**
[View all](#) **503519**

| Name ▾ | Progress ▾ | Total ▾ | Last updated ▾ | Need Translation ▾ | Suggestions ▾ | Critical ▾ | Last Activity ▾ |
|---|------------------------|---------|----------------|--------------------|---------------|------------|------------------------------|
| Evernote Customer Support | <div><div></div></div> | 18274 | A week ago | 8364 | 0 | 0 | Elise TTH 6 hours ago |
| Website (v3) | <div><div></div></div> | 454 | 21 weeks ago | 43 | 0 | 0 | L10N Robot 4 weeks ago |
| Website | <div><div></div></div> | 196341 | Yesterday | 0 | 43 | 0 | Elise TTH 9 hours ago |
| Web Clipper Component (All Browsers) | <div><div></div></div> | 238 | 20 weeks ago | 0 | 0 | 0 | L10N Robot 20 weeks ago |
| The Trunk | <div><div></div></div> | 4825 | A year ago | 0 | 0 | 0 | Jordan Bouvier A year ago |
| Terminology | <div><div></div></div> | 704 | 4 weeks ago | 0 | 1 | 0 | Anna Iokhimovich 4 weeks ago |
| Task Management Component (iOS) | <div><div></div></div> | 47 | 8 weeks ago | 0 | 0 | 0 | Jordan Bouvier 8 weeks ago |
| Surveys | <div><div></div></div> | 1782 | 22 weeks ago | 0 | 0 | 0 | Elise TTH 22 weeks ago |
| Skitch Touch (Windows 8) | <div><div></div></div> | 830 | | 0 | 0 | 0 | Igor Afanasyev A year ago |
| Skitch Common (iOS/macOS Components) | <div><div></div></div> | 629 | 13 weeks ago | 0 | 0 | 0 | Jordan Bouvier 13 weeks ago |
| Skitch (Windows) | <div><div></div></div> | 1804 | 20 weeks ago | 0 | 0 | 0 | Jordan Bouvier 20 weeks ago |
| Skitch (Mac OS) | <div><div></div></div> | 3004 | 13 weeks ago | 0 | 6 | 0 | Elise TTH 13 weeks ago |
| Skitch (iOS) | <div><div></div></div> | 2148 | 13 weeks ago | 0 | 3 | 0 | Elise TTH 12 weeks ago |
| Skitch (Android) | <div><div></div></div> | 1780 | 24 weeks ago | 0 | 1 | 0 | Jordan Bouvier 24 weeks ago |
| SDK: Multishot Camera Component (Android) | <div><div></div></div> | 480 | 7 weeks ago | 0 | 20 | 0 | Jordan Bouvier 7 weeks ago |
| SDK (Android) | <div><div></div></div> | 26 | | 0 | 0 | 0 | |

French → Website (v3) → website3_evernote/business/business-featured-companies.json.po → Unit #4529588

Locations: File: business/business-featured-companies.json ID: 782a90c8799904b11c531755dcca8bf0

Comments:

/trusted-by_localizable
Please do not alter HTML tags and attributes unless you know what you are doing

Russian

Более 16 000 компаний доверяют нам

English

Report a problem with this string

Trusted by more than 16,000 companies



Similar translations

Trusted by more than 164,000 companies Plus de 14 000 entreprises nous font confiance.

Translated by L10N Robot in "Website" project

Trusted by more than 163,000 companies Plus de 13 000 entreprises nous font confiance.

Translated by L10N Robot in "Website" project

Trusted by more than 162,000 companies Plus de 12 000 d'entreprises nous font confiance.

Translated by L10N Robot in "Website" project

Submit

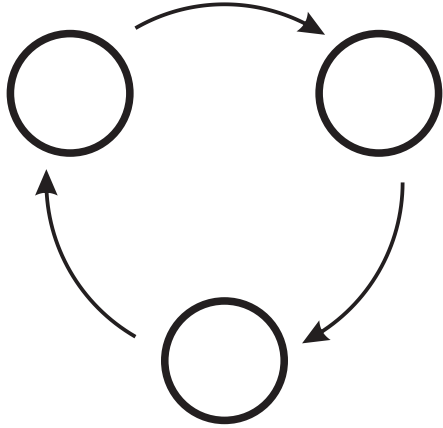
↔ Suggest

☐ Needs work



Serge

```
$ serge localize android.serge
```



We write configuration files (once) and put them on our localization server

Serge runs on localization server in a continuous loop

Serge generates/updates translation interchange files and pushes them to our translation server

Serge generates and pushes localized resource files to our Git repos; these commits trigger CI builds

Serge Configuration Files

Configuration files
contain all the information
on what files to process,
how to process them,
and how to generate
localized files

They have a clean syntax
and allow inheritance
(reusing common settings)

```
sync
{
    ts
    {
        # Translation Service parameters
        # ...
    }

    vcs
    {
        # Version Control System parameters
        # ...
    }
}

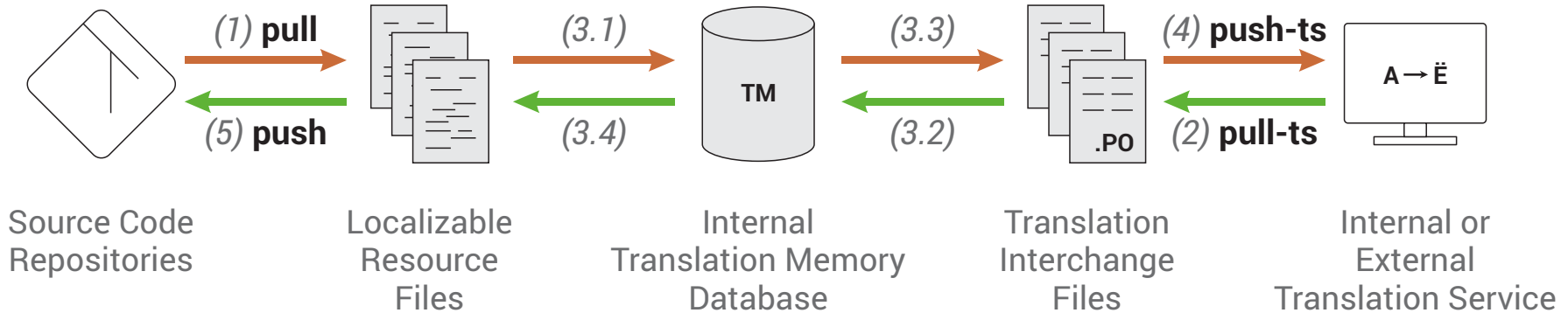
jobs
{
    {
        # Job 1 parameters
        # ...
    }

    {
        # Job 2 parameters
        # ...
    }
}
```

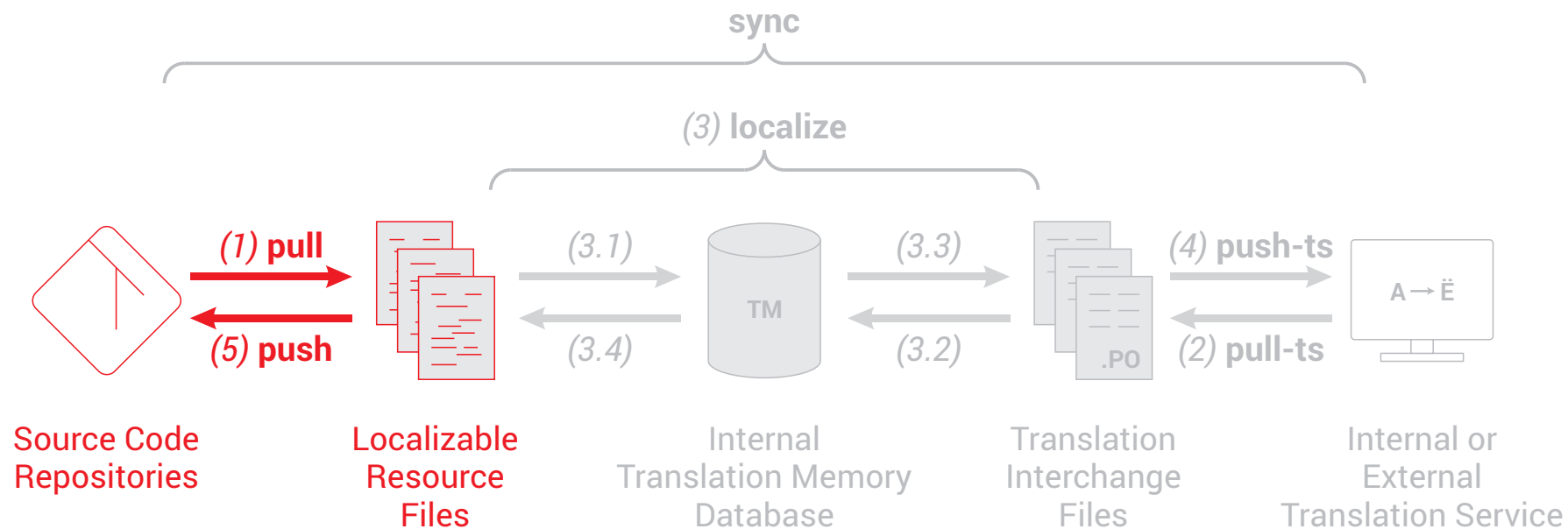
```
$ serge sync myproject.serge
```

sync

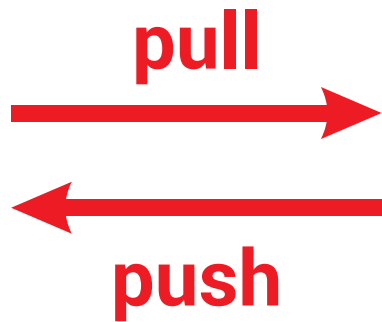
(3) localize



```
$ serge pull myproject.serge
$ serge push myproject.serge
```



Integration with Version Control Systems



Plugins: Git, Gerrit, Subversion, Mercurial

Isolation from different VCS logic

Multiple repositories as one logical internationalization project

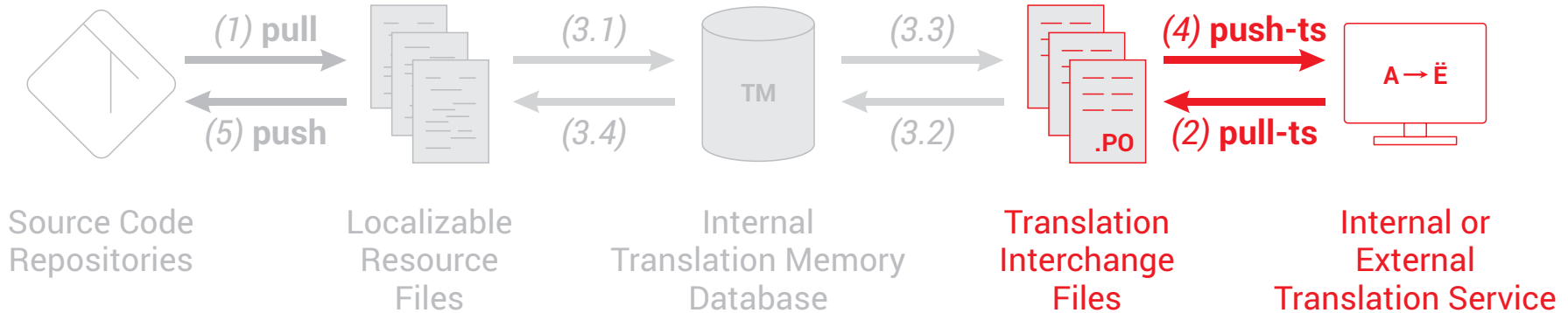
Automatic conflict resolution

```
$ serge push-ts myproject.serge
```

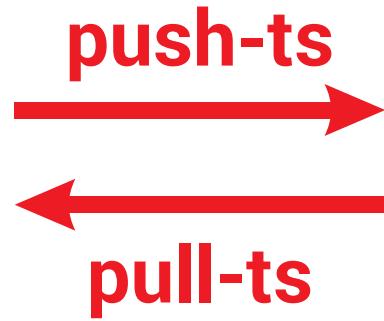
```
$ serge pull-ts myproject.serge
```

sync

(3) localize



Integration with Translation Services



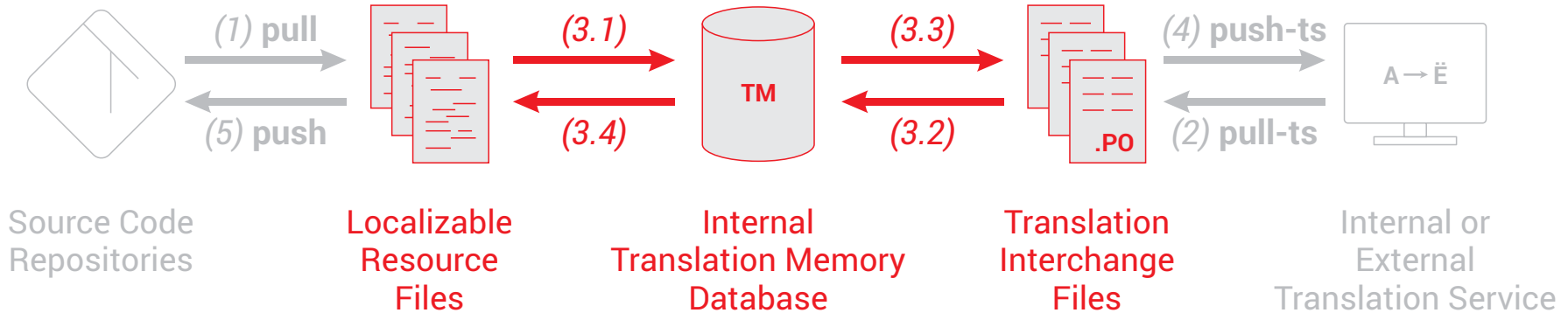
Plugins: Pootle

Alternative: publish .po files
for offline translation,
integrate with
localization vendor's API

```
$ serge localize myproject.serge
```

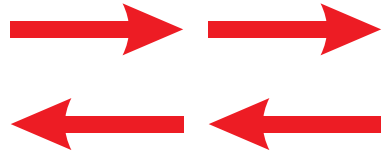
sync

(3) localize



Core Functionality

localize



Parsing and generating resource files

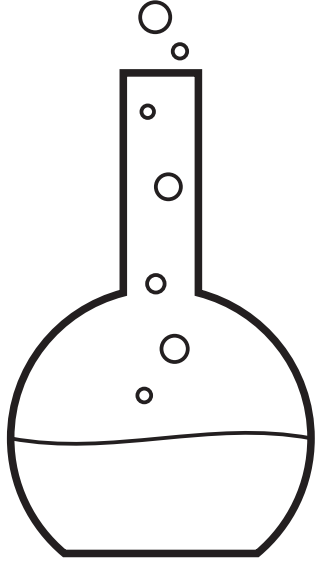
Generating and parsing
translation interchange files (.PO)

Many built-in configuration options
(what and how to process,
how to use TM)

Advanced control plugins

20+ Parsers Out of the Box

Android .strings, Chrome Extension .json files, .DTD, Perl/PHP/Ruby hashes, JavaScript (dictionary objects), generic JSON files, INI-like key-value files, PHP/XHTML, iOS .plist files, .pot files, Java .properties, Windows .rc files, .Net framework .resx files, Blackberry .rrc files, MacOS/iOS .strings files, QT Linguist .ts files, WiX installer .wxi files, XLIFF 1.x/2.x files, XML files (generic, Android-specific, InDesign-specific), generic and Rails YAML files, .master files (arbitrary plaintext markup), generic regex-based parser



Advanced Control Plugins

process_if Plugin

Do not process certain source files
(**can_process_source_file** callback phase)

Do not extract certain strings for translation
(**can_extract** callback phase)

Do not generate/save certain localized files
(**can_generate_localized_file** callback phase)

Criteria: file path, file content, string content, string comment,
target language, previously set flag

process_if recipe: translate only files that have special “LOCALIZABLE” flag

```
# job definition
{
  # ...
  callback_plugins
  {
    {
      plugin
      phase
      data
      {
        if
        {
          content_matches
          then
          {
            return
          }
        }
      }
    }
  }
}
```

process_if
can_process_source_file

\bLOCALIZABLE\b

YES

process_if recipe: do not translate a string if it starts with “!!”

```
# job definition
```

```
{
```

```
  # ...
```

```
  callback_plugins
```

```
  {
```

```
    {
```

```
      plugin  
      phase
```

```
process_if  
can_extract
```

```
      data  
      {
```

```
        if  
        {
```

```
          content_doesnt_match
```

```
^!!
```

```
          then  
          {
```

```
            return
```

```
YES
```

```
          }
```

```
        }
```

```
      }
```

```
    }
```

```
  }
```

```
}
```


replace_strings Plugin

Rewrite source file content before parsing
(**after_load_file** callback phase)

Rewrite localized file content before saving
(**before_save_localized_file** callback phase)

Rewrite translation on the fly
(**rewrite_translation** callback phase)

Rewrite input/output file paths
(**rewrite_path** callback phase)

replace_strings recipe: statically rewrite a variable

strings.js → var lang = "en";
strings.de.js → var lang = "de";
strings.pt-br.js → var lang = "pt-br";

```
# job definition
```

```
{
```

```
  # ...
```

```
  callback_plugins
```

```
  {
```

```
    {
```

```
      plugin  
      phase
```

```
      process_if  
      before_save_localized_file
```

```
      data
```

```
      {
```

```
        #
```

```
        replace
```

```
        replace what  
        `lang = "en"`
```

```
        replace with
```

```
        `lang = "%LANG%"`
```

```
      }
```

```
    }
```

```
  }
```

```
}
```

limit_languages Plugin

Gives an ability to specify the list of target languages on a per-file basis.

By default, each file is localized into all languages specified in the job's **destination_languages** parameter.

Setting the list of languages (default rule):

L10N_LIMIT_DESTINATION_LANGUAGES=es,de,pt-br

Excluding languages (default rule):

L10N_EXCLUDE_DESTINATION_LANGUAGES=ja,zh-cn

limit_languages recipe: specify languages by regions

default → empty list of languages

LANG_EUROPE → add: da de es fi fr it nl
pl pt ru sv tr

LANG_APAC → add: id ja ko zh-cn zh-tw

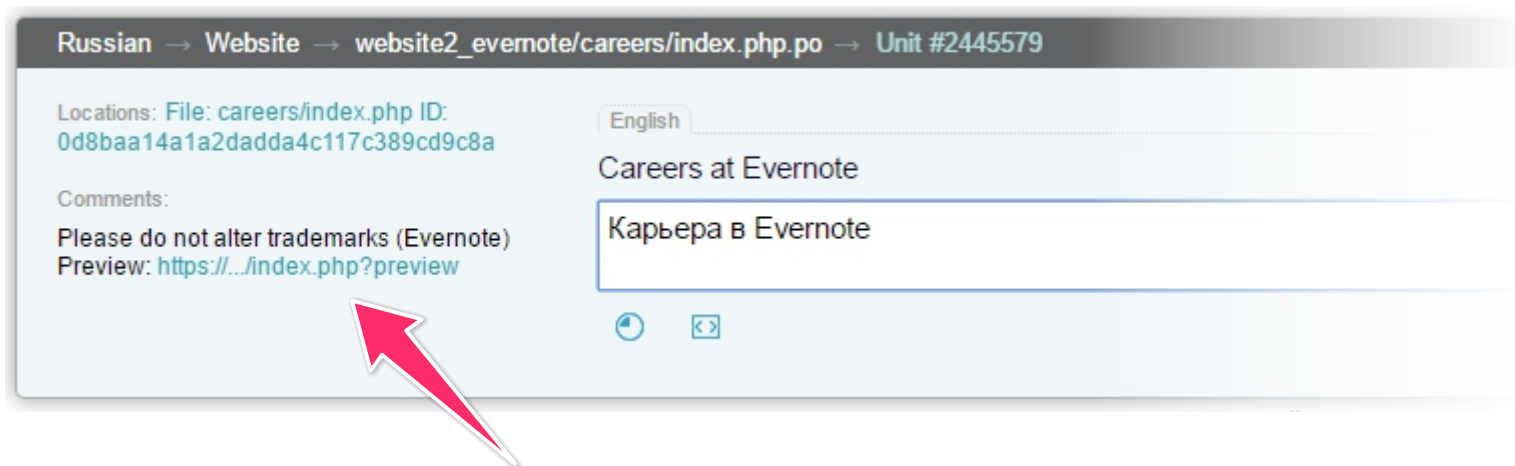
LANG_ALL → add all languages

global.js → // LANG_ALL

feature_x.js → // LANG_EUROPEAN LANG_APAC

append_hint_message Plugin

Add arbitrary comments/link to translation units



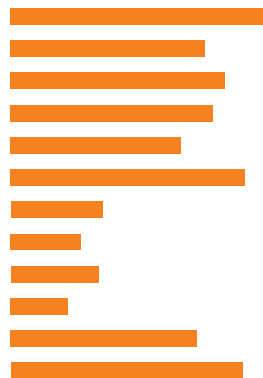
limit_languages recipe: website preview links

```
# job definition
{
    # ...
    callback_plugins
    {
        {
            plugin          append_hint_message
            data
            {
                message      Preview (English):
                             https://preview-site/en/%FILE%
                message      Preview (localized):
                             https://preview-site/%LANG%/%FILE%
            }
        }
    }
}
```

feature_branch Plugin

Optimize localization of multiple branches by translating only deltas.

master



feature/a



feature/b



transform Plugin

“Guess” translations by using existing ones and applying known transformations (case, whitespace, punctuation, wrapper tags).

Hello, world! → Привет, мир!

HELLO, WORLD → ???

Hello, world! → HELLO, WORLD

original string → upper case → trailing punctuation

Привет, мир! → ПРИВЕТ, МИР

test_language Plugin

Generate pseudolocalized files on the fly,
with optional string expansion and
character replacement.

This is an example

Ŧhĩř řř áŋ ēxámplē

[Ŧhĩř řř áŋ ēxámplē xxxxxx xx]

completeness Plugin

Create, update or delete localized resource files only when they are translated above or below the certain threshold.

```
# job definition
```

```
{
```

```
  # ...
```

```
  callback_plugins
```

```
  {
```

```
    {
```

```
      plugin
```

```
      completeness
```

```
      data
```

```
      {
```

```
        create_threshold
```

```
        0.9
```

```
        update_threshold
```

```
        0.3
```

```
        can_delete
```

```
        YES
```

```
      }
```

```
    }
```

```
  }
```

```
}
```

serge.io

Documentation, download and installation instructions

github.com/evernote/serge

t/ folder contains additional examples:
test configuration files for different parsers

Questions?