
Argos Translate

Release 1.0

Argos Open Technologies, LLC

Aug 24, 2021

CONTENTS:

1	Command Line Interface	3
1.1	Update	3
1.2	Search	3
1.3	Install	4
1.4	List	4
1.5	Remove	4
1.6	Enable tab completion for Bash	4
2	Indices and tables	5

Open-source offline translation library written in Python. Uses OpenNMT for translations, SentencePiece for tokenization, Stanza for sentence boundary detection, and PyQt for GUI. Designed to be used as either a Python library, command-line, or GUI application. LibreTranslate is an API and web-app built on top of Argos Translate.

Argos Translate supports installing model files which are a zip archive with an “.argosmodel” extension that contains an OpenNMT CTranslate2 model, a SentencePiece tokenization model, a Stanza tokenizer model for sentence boundary detection, and metadata about the model.

Argos Translate also manages automatically pivoting through intermediate languages to translate between languages that don't have a direct translation between them installed. For example, if you have a es_en and en_fr translation installed you are able to translate from es_fr as if you had that translation installed. This allows for translating between a wide variety of languages at the cost of some loss of translation quality.

COMMAND LINE INTERFACE

```
argos-translate --from-lang en --to-lang es "Hello World"
Hola Mundo

echo "Text to translate" | argos-translate --from-lang en --to-lang es
Texto para traducir

argospm --help
usage: argospm [-h] {update,search,install,list,remove} ...

positional arguments:
  {update,search,install,list,remove}
                                Available commands.
  update                      Downloads remote package index.
  search                      Search package from remote index.
  install                     Install package.
  list                        List installed packages.
  remove                      Remove installed package.

optional arguments:
  -h, --help                  show this help message and exit
```

1.1 Update

Downloads remote package index.

```
argospm update
```

1.2 Search

Search package from remote index.

```
argospm search --from-lang en --to-lang es
```

1.3 Install

Install package.

```
argospm install translate-en_es
```

1.4 List

List installed packages.

```
argospm list
```

1.5 Remove

Remove installed package.

```
argospm remove translate-en_es
```

1.6 Enable tab completion for Bash

```
curl -sSL https://raw.githubusercontent.com/argosopentech/argos-translate/master/tab_
↪completions/completion.bash > /etc/bash_completion.d/argospm.bash
```


INDICES AND TABLES

- `genindex`
- `modindex`
- `search`