

Translating Text in Different Formats



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Overview



Amazon Translate concepts

- Language pairs
- Custom terminology

Demo - Translating a web page

Demo - Translating large documents

- Amazon Translate service limits



Amazon Translate Concepts



Language Pairs



The source language (input) and the target language (output)



Not all 20+ supported languages can be paired



135+ total language pairs

<https://docs.aws.amazon.com/translate/latest/dg/pairs.html>




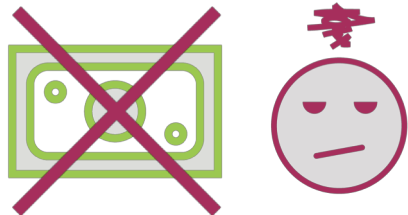
Custom Terminology



CloudFree



CloudFree



en	de	pt	es
CloudFree	CloudFreilassen	NuvemLivre	NubeLibre

Custom Terminology File

CloudFree NubeLibre



Custom Terminology Language Compatibility

Recommended

East Asian Languages
(Chinese, Japanese, Korean, Indonesian)

Germanic Languages
(German, Dutch, English, Norwegian, etc.)

Romance Languages
(Italian, French, Spanish, Portuguese)

Hebrew

Not Recommended

Slavic Languages
(Russian, Polish, Czech)

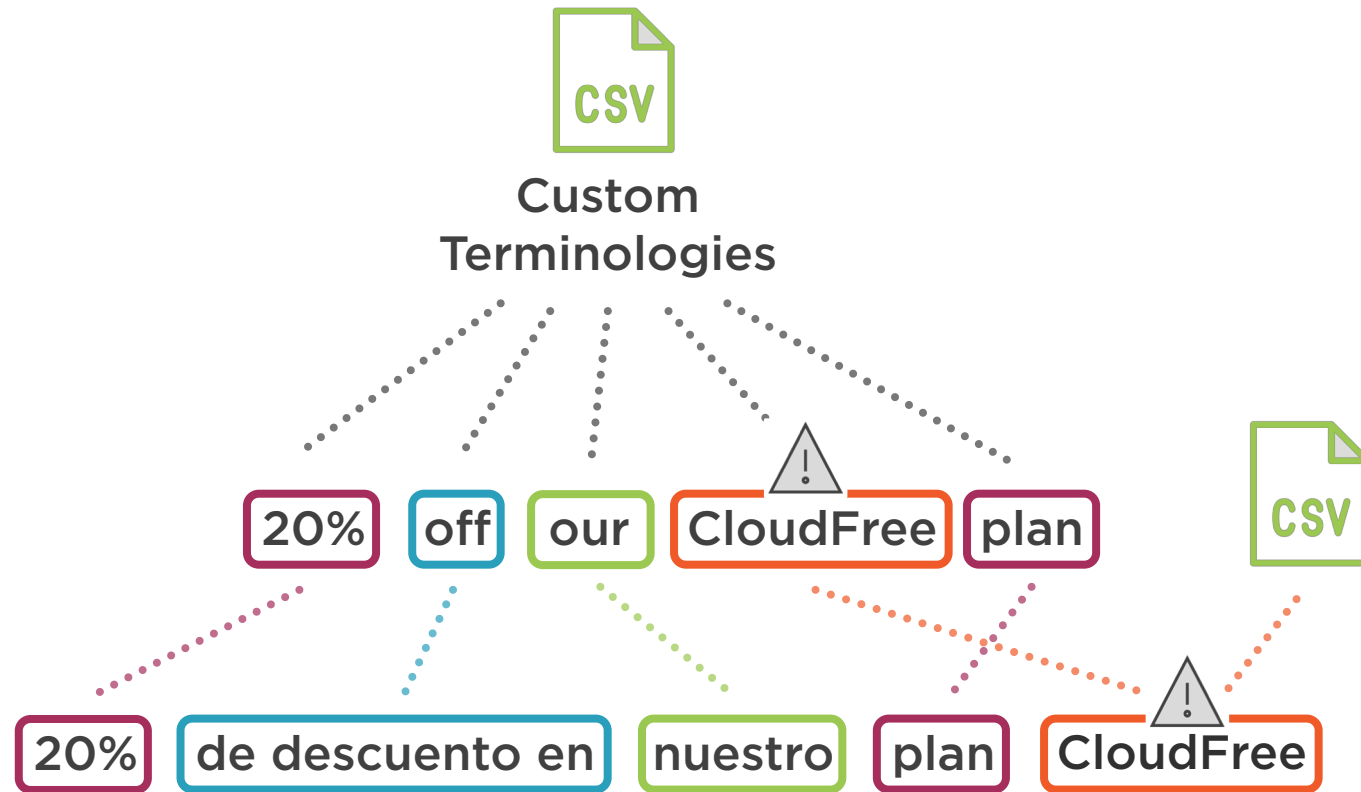
Finno-Ugric Languages (Finnish)

Arabic

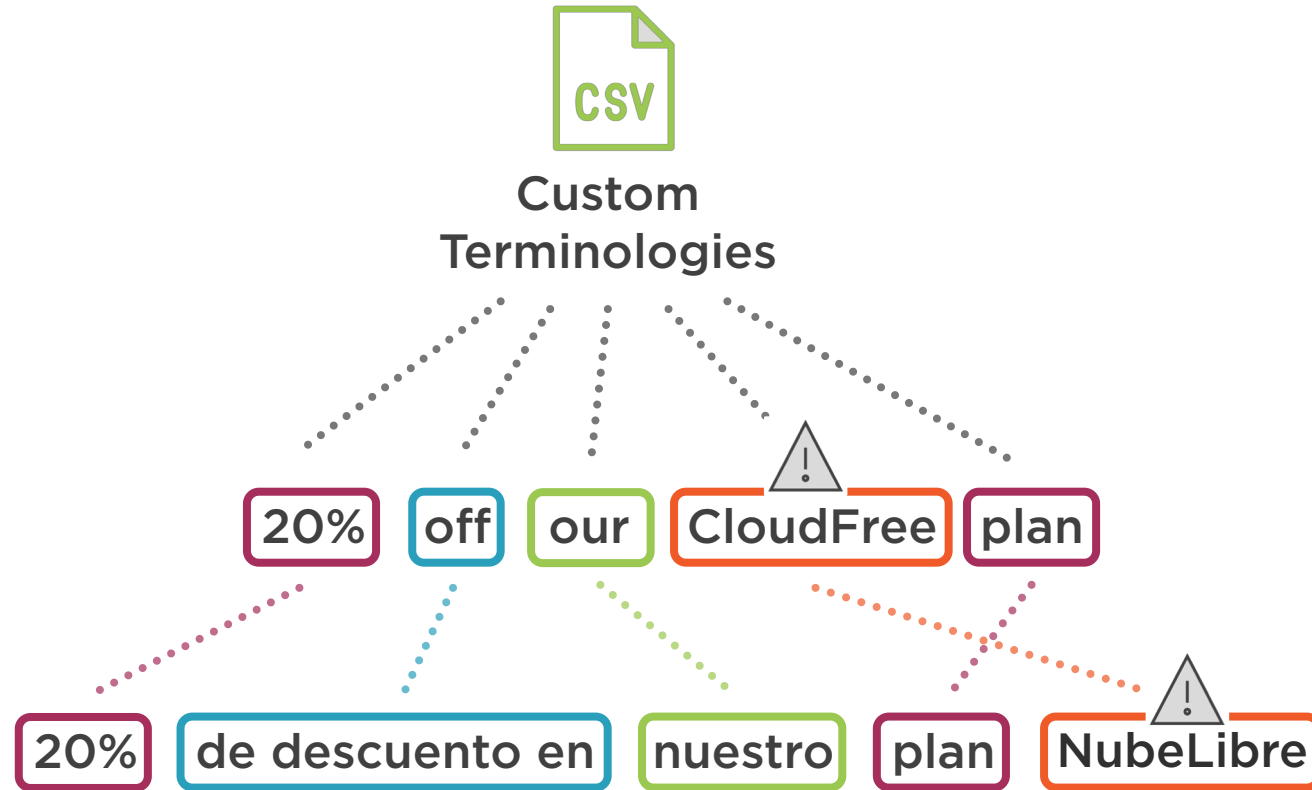
Turkish



Custom Terminology



Custom Terminology



Programming with Custom Terminologies



Can add custom terminologies with the *AWS Console*, *SDKs*, and *CLI*



Can use *CSV* or *TMX* format



Can use encryption keys to protect the custom terminology files



Demo



Translating a web page

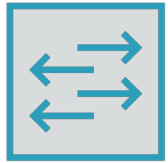
- Spin up a static website in Amazon S3
- Prepare a Python environment
- Create a custom terminology
- Use demo code to translate a web page into other languages



Service Limits



Service Limits



100 transactions/second (TPS)



Character encoding supports UTF-8



Document size – 5,000 bytes



10 Mb terminology size, 10 target languages



Demo



Translating large documents

- Review demo files
- Attempt to translate both a small and large document
- Use code that avoids Amazon Translate service limitations



Summary



Service concepts

- Language pairs and custom terminology explained

Service limits

- Soft limits for Amazon Translate

Demos

- Used a custom terminology
- Translated web pages and large documents

