

This page documents production updates to AutoML Translation. We recommend that AutoML Translation developers periodically check this list for any new announcements. Major changes will also be announced via the [google-translate-api](https://groups.google.com/forum/#!forum/google-translate-api) (<https://groups.google.com/forum/#!forum/google-translate-api>) mailing list.

To get the latest product updates delivered to you, add the URL of this page to your [feed reader](https://wikipedia.org/wiki/Comparison_of_feed_aggregators) (https://wikipedia.org/wiki/Comparison_of_feed_aggregators), or add the feed URL directly:

<https://cloud.google.com/feeds/automl-translation-release-notes.xml>

FEATURE

AutoML Translation is now generally available. Translations are now faster and quality should be improved or on par with previous versions; individual results will vary depending on your datasets. In addition, quality improvements can vary across language pairs.

CHANGED

Model lifetime AutoML Models run on a managed platform that is regularly upgraded. AutoML Models need to be re-trained at least every 18 months to ensure consistent performance and stability in translations over time and to get any benefits of the upgrades since original training. Models created before AutoML GA (for example, models created during service Alpha /Beta) need to be re-trained within 18 months of GA to move all assets to the newest version of the platform.

FEATURE

AutoML Translation has upgraded its Google NMT base models onto a new training architecture so that it now runs end-to-end on upgraded [TPUs](https://cloud.google.com/tpu/docs/tpus) (<https://cloud.google.com/tpu/docs/tpus>). Going forward, all training using Google NMT as the base model trains and serves on TPUs.

CHANGED

Customers already using AutoML might experience additional differences between v1 and previous versions of the service:

- Data validation now provides warnings on data import to indicate certain data is not usable for training jobs.
- Data import takes longer in order to support data validation.

- To achieve higher quality on the new architecture, training durations are longer.

FEATURE

AutoML Translation has enabled Google Cloud Platform (GCP) Console-based UI for all its customers. This improves the Cloud AutoML Translation experience by adding UI elements such as controls to sort/filter datasets, which provides consistency with the rest of GCP and allows for faster release of new features.

CHANGED

The URL for the AutoML Translation UI has changed to <https://console.cloud.google.com/translation>.

CHANGED

The minimum number of sentence pairs required to train a custom model has changed. If you don't explicitly specify training, validation, and test sets, the minimum number of sentence pairs is 1000. If you do explicitly specify training, validation, and test sets, the minimum number of pairs used for validation and test is 100 each.

CHANGED

The AutoML Translation service account requires additional permissions to access project resources when using the AutoML Translation UI. You must add the role `serviceusage.serviceUsageAdmin`. See step 8 in [Before You Begin](https://cloud.google.com/translate/automl/docs/before-you-begin) (<https://cloud.google.com/translate/automl/docs/before-you-begin>).

CHANGED

AutoML Translation supports many new languages as source or target languages paired with English, bringing the total number of supported language

pairs to 100. See [Language Support for Custom Models](https://cloud.google.com/translate/automl/docs/languages) (<https://cloud.google.com/translate/automl/docs/languages>) for the complete list.

CHANGED

The URL for the AutoML Translation UI has changed to <https://cloud.google.com/automl/ui/translation>. The previous URL <https://beta-dot-custom-vision.appspot.com/translation/> will remain active.

CHANGED

AutoML Translation supports Swahili (`sw`) as a target language from English (`en`) as a source language.

Language Pair	Language Codes
Swahili <- English	<code>sw <- en</code>

FEATURE

Models created during the EAP will continue to be valid for the Beta. You do not need to recreate/retrain models. However, the format of resource IDs (dataset IDs, model IDs, and operation IDs) is changing. If you are using hardcoded resource IDs, you need to obtain new IDs for those resources (using the `get` or `list` method) by August 31, 2018.



Note: Enabling the AutoML API for your project automatically also enables the Cloud Vision API, Cloud Translation API, and Cloud Natural Language API. Disabling any of these three APIs will also disable the AutoML API

CHANGED

The refresh of the AutoML Translation EAP release introduces a new UI design and a new API. The previous version of the AutoML Translation EAP UI is deprecated, and the new AutoML API is not compatible with the previous API.

You must reimport the contents any previously created datasets. You can find the original contents at `gs://{project-id}-vcm/{dataset-name}/uploads/{document-name}.txt`.

If you used the previous version of the AutoML Translation UI to create custom models based on other custom translation models (rather than the default Google Neural Machine Translation model), you will also need to recreate or retrain those models using the new UI.

CHANGED

- The AutoML Translation EAP web application now enables you to build a custom model based on another custom translation model that you built.
- A sample Java application is available that demonstrates how to send a request for translation and obtain the response back.

CHANGED

The following language translation pairs have been added:

Language Pair	Language Codes
Dutch -> English	n1 -> en
Hebrew -> English	iw -> en

CHANGED

The following language translation pairs have been added:

Language Pair	Language Codes
Arabic -> English	ar -> ens
Chinese (Simplified) -> English	zh-CN -> ens
French <-> English	fr <-> ens
German -> English	de -> ens
Italian <-> English	it <-> ens
Japanese <- English	ja <- ens
Korean <- English	ko <- ens
Portuguese (Portugal, Brazil) -> English	pt -> ens
Russian <-> English	ru <-> ens
Turkish <- English	tr <- en

FEATURE

AutoML Translation EAP release.