

< Multilingual conversion of workflow > Workflow Translator



1. Overview

When you understand a workflow in a non-native language (for example, English), you can output and use a workflow translated into your native language (for example, Japanese). It can also be used when you want to convert your native language workflow to another language and provide it overseas.

- * Translation is a machine translation using the LanguageApp class of Google Apps Script. The parts that cannot be translated correctly remain in the original language. (In the current version, if the string contains "#", "&", "+", etc.)
- * Activity display names, annotations, and descriptions of comment activities are translated.
- * An Internet connection is required for this activity to work.
- * A translation application needs to be built with Google Apps Script. See the following pages for the construction procedure. You can try it with a free Google account, but Google Apps Script has usage restrictions. Please check Google Terms of Service for details.

Dependencies

- Google Apps Script
- UiPath.Web.Activities 1.4.4

Compatibility

- UiPath.Studio 19.4.0

Example of conversion result

Before (example: English)	After (example: Japanese)

2. Activity description

Activity name	Function	Property
TranslateWorkflowFile	Translate the specified Xaml file.	<ul style="list-style-type: none">•<u>SourceFilename</u> The path file to read.•<u>OutputFilename</u> The Path of the File to Write to.•<u>SourceLanguage</u> The source language(Example: "en")•<u>TargetLanguage</u> The target language(Example: "ja")•<u>TimeoutMilliseconds</u> Timeout to wait for request to completed. (milliseconds) If not specified, wait 30 seconds.•<u>WebApplicationURL</u> Enter a GoogleAppsScript "Web application URL".
TranslateProject	By specifying the project folder, all Xaml files including sub directories are translated.	<ul style="list-style-type: none">•<u>ProjectFolder</u> The project path to read.•<u>OutFolder</u> The Path of the Folder to Write to. A folder with the same name as the original folder is created.•<u>SourceLanguage</u> The source language(Example: "en")•<u>TargetLanguage</u> The target language(Example: "ja")•<u>TimeoutMilliseconds</u> Timeout to wait for request to completed. (milliseconds) If not specified, wait 30 seconds.•<u>WebApplicationURL</u> Enter a GoogleAppsScript "Web application URL".

* The property setting value to specify the language is set to "en" (English) ⇒ "ja" (Japanese) by default. To specify a language in another country, refer to the code at the URL below.

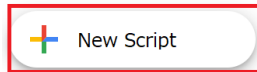
<https://cloud.google.com/translate/docs/languages>

3. How to build a translation app using Google Apps Script

(1) Access Google Apps Script

Access <https://script.google.com/>. Click [New Script].

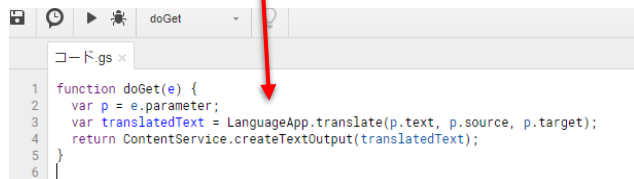
≡ G Suite Developer Hub



(2) Make the code

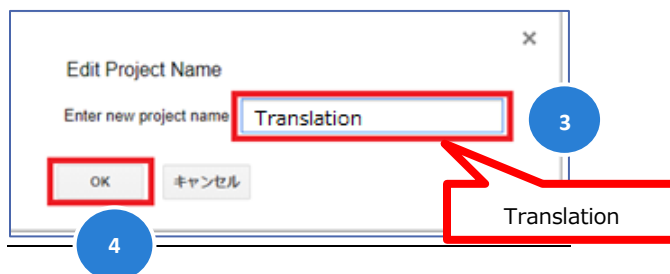
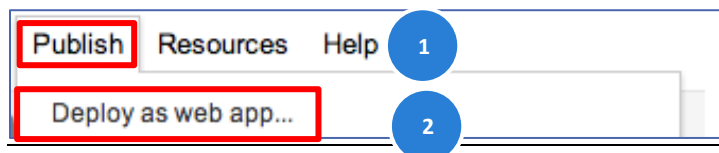
Make the code (Copy and paste the code below)

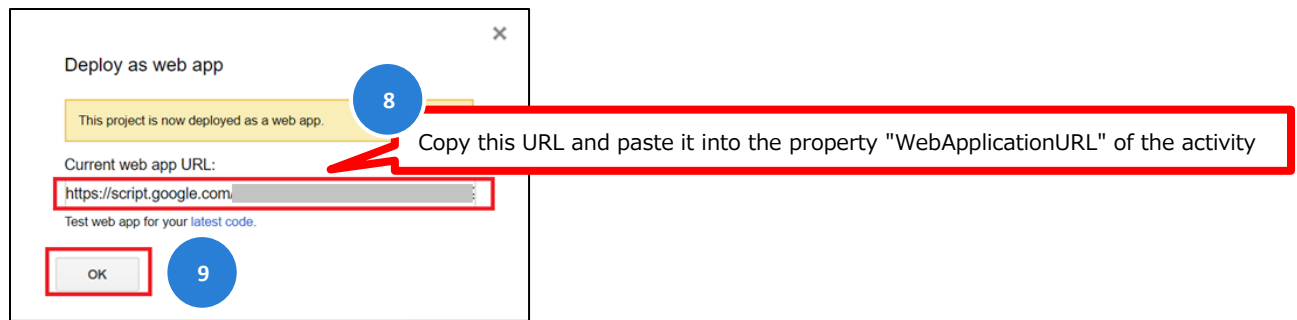
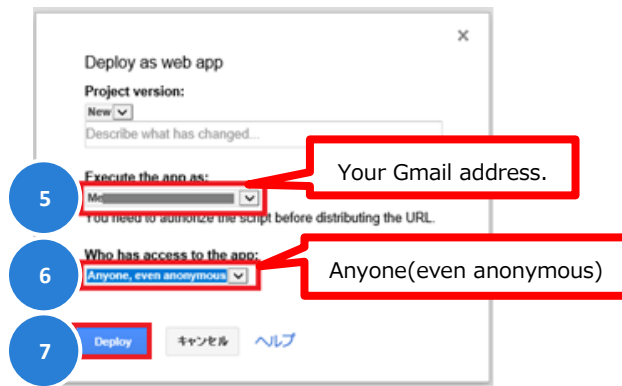
```
function doGet(e) {  
  var p = e.parameter;  
  var translatedText = LanguageApp.translate(p.text, p.source, p.target);  
  return ContentService.createTextOutput(translatedText);  
}
```



(3) Publish

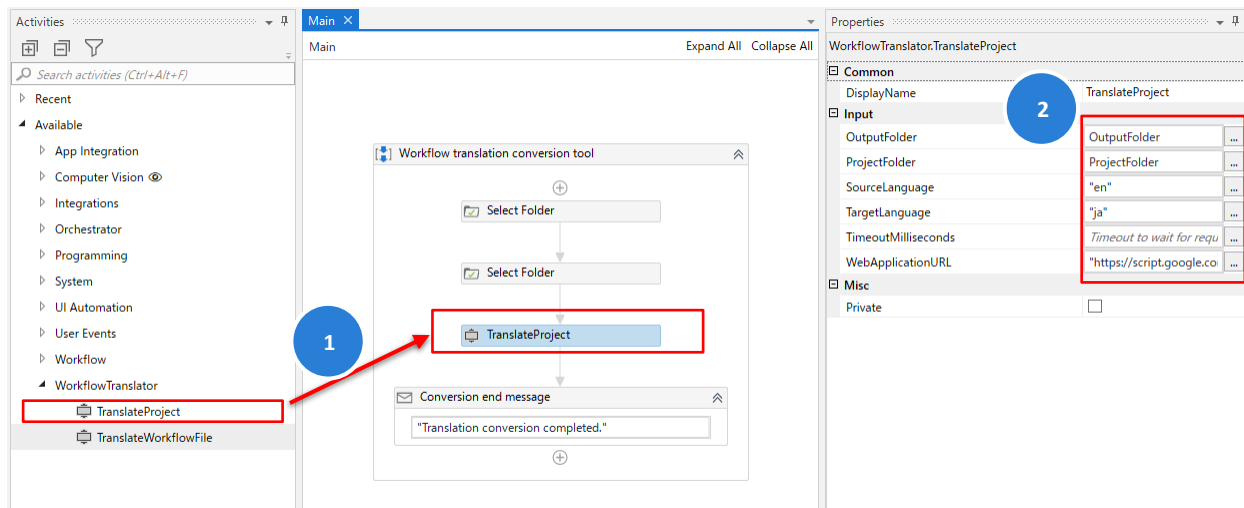
Publish as follows.





4. Usecase

Example of creating a tool to convert an English version project to a Japanese version



License and Copyright

This activity package is under the MIT license.
Copyright (c) 2020 Jun Shiomi