



Google API Package

Readme

Version 3.0.3

11/03/2021

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1. Introduction

This document contains all essential information for the user to make full use of this A2019 **Google API Package**. It includes a description of the functions and capabilities and step-by-step procedures for setup & configuration of the **Google API Package**).

1.1 Overview

The package supports several APIs from the Google Cloud platform. It contains actions to convert text to speech, translate or detect objects in an image.

1.2 Use cases

The key use cases include:

- Build voice bots by converting text to speech and speech to text
- Let a bot detect objects in an image to decide how to process an image
- Build voice-controlled bots for attended use cases in customer self-service
- Start a bot with a wake word

2. Requirements & Prerequisites

2.1 System Requirements

- Enterprise A2019.19+

2.2 Prerequisites

First, you need a valid Google developer account. You can register it here:

<https://developers.google.com/>

Create a A2019 Google API Authentication File (JSON Format). You find a detailed description how to generate this file here:

https://cloud.google.com/docs/authentication/production?hl=en#obtaining_and_providing_service_account_credentials_manually

Don't forget to set permissions so that you can access the Google APIs

https://cloud.google.com/docs/authentication/production?hl=en#restricting_access

3. Getting Started

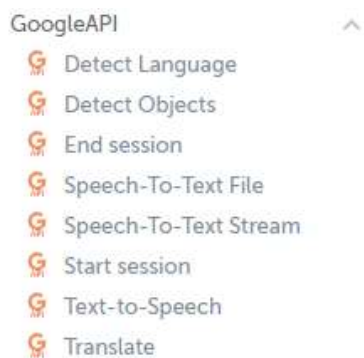
3.1 Quick Start

3.1.1 Setup

Import the A2019 Google API Package in the Control Room under Bots->Packages and copy the Google API Authentication File to your PC where the Bot Agent is installed

3.1.2 Configuration and Use

The package contains the following command actions



Name	Description	Parameter	
Start Session Auth Parameter	Starts new session	Session Name	Unique Google API session
		Project ID	Copy it from the Google API Authentication File
		Private Key ID	Copy it from the Google API Authentication File
		Private Key	Copy it from the Google API Authentication File
		Client Email	Copy it from the Google API Authentication File
		Client ID	Copy it from the Google API Authentication File

Start session	Starts new session	Session Name	Unique Google API session
		Google API Authentication File (JSON)	Location of the Google API Authentication File
End session	Ends a session	Session Name	Unique Google API session
Detect Objects	Detect objects in an image	Session Name	Unique Google API session
		Image File	Image file where to detect objects
		Detected Objects	Record with detected objects
Translate	Translates text	Session Name	Unique Google API session
		Text	Text to translate
		From Language	Language code, e.g. "en"
		To Language	Language code, e.g. "fr"
		Translation	Translated text
Detect Language	Detects language of a text	Session Name	Unique Google API session
		Text	Text to detect language
		Detected Language	Language code, e.g. "de"

Text-to-Speech	Converts text to speech	Session Name	Unique Google API session
		Text	Text which should be converted to speech
		Language code	Language which should be used for speech, e.g. "en"
		Voice	Female, Male or Neutral
		Audio Output File (WAV)	Where to store the speech
		Use SSML (optional)	Use Google SSML -> https://cloud.google.com/text-to-speech/docs/ssml
		Play Text (optional)	Play generated audio
Speech-To-Text File	Speech-To-Text from Audio File	Session Name	Unique Google API session
		Audio File (FLAC & WAV only)	File with speech that should be converted to text
		Language code	Language of the speech, e.g. "en"
		No of channels	Stereo or Mono audio file
		Text	Detected text in the audio file
		Play Text (optional)	Play generated audio

Speech-To-Text Stream	Speech-To-Text from Audio Stream like microphone	Session Name	Unique Google API session
		Language code	Language of the speech, e.g."en"
		Max Duration (sec)	Number of seconds before recording of stream is closed. Will be automatically closed if no words are detected for a few seconds
		Text	Detected text in the audio stream

4. Support & FAQs

4.1 Support

Free bots are not officially supported. You can get access to Community Support through the following channels:

- You can get access to Community Support, connecting with other Automation Anywhere customers and developers on [APeople](#) – the [Bot Building Forum](#), the [Bot Store Support Forum](#), or the [Developers Everywhere Group](#).
- Automation Anywhere also provides a [Product Documentation portal](#) which can be accessed for more information about our products and guidance on [Enterprise A2019](#).

4.2 FAQs

You find more information about the Google APIs here

<https://cloud.google.com/text-to-speech>

<https://cloud.google.com/speech-to-text>

<https://cloud.google.com/vision>

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

For questions relating to Enterprise A2019: See the [Enterprise A2019 FAQs](#).

Appendix A: Record of Changes

Instructions: Provide information on the version number, the date of the version, the author/owner of the version, and a brief description of the reason for creating the revised version.

No.	Version Number	Date of Change	Author	Notes
1	2.0.0	26/04/2020	Stefan Karsten	Initial version
2	2.0.0	05/06/2020	Stefan Karsten	Fix for A2019.12
3	3.0.0	16/08/2020	Stefan Karsten	Added Voice Trigger
4	3.0.3	11/03/2021	Stefan Karsten	Removed Voice Trigger Added 2 nd Authentication action

Appendix B: References

No.	Topic	Reference Link
1	Overview of Enterprise A2019	Click here
2	Guidance: Building basic A2019 bots	Click here
3	Guidance: Building A2019 action packages	Click here
4	APeople Community Forum	Click here
5	Automation Anywhere University	Click here