

Aurora Extension: Wearable Translator

Introduction

Welcome to Aurora's extension. This section describes how to use Wearable Translator Services.

The script requires python 2.7 and Aurora 0.0.10 version for successful execution.

Speech-to-Text (STT)

The STT services uses Aurora's API to allow users to speak through any device that has a speaker. It allows users to convert a given audio into text.

Aurora's API's speech to text service requires a token and ID that were provided to us by the owner.

Text-to-Text Translator (TTT)

The TTT services uses Google Translation API to allow users to translate text into different languages.

The Google API's text to text service requires service credentials for authentication. Instructions on how to create a key is given in the below link:

<https://developers.google.com/api-client-library/python/auth/api-keys>

The endpoint accepts one query parameter: text, which is to convert text to text.

Text-to-Speech (TTS)

The TTS services uses IBM Watson's API to allow users to convert any given text into an audio file.

The Waston API's text to speech service requires service credentials for authentication. This has already been created for the provided account and the values are saved in the username and password variables within the script.

Instructions on how to view your service credentials can be found at:

<https://console.bluemix.net/docs/services/watson/getting-started-credentials.html#service-credentials-for-watson-services>

The endpoint accepts one query parameter: text, which is to convert text to speech.

Wearable Translator

The translator service allows users to speak through a speaker on a computer to translate given speech and outputs it in a different language.

Query Parameter	Description
Text (required)	The original query that was translated
Language (optional)	User can specify the language that wants to translate to