Google Text to Speech

HTTP TTS Connector Installation Guide

Index

Requirements

1. Web Server with PHP 7.3 and at least the curl, mbstring and dom PHP extensions installed.
2. Ffmpeg program installed.
3. Composer installed.
4. Google Cloud Platform Account.
5. Google JSON service accout.

Installation - Software Download

1. Download the .zip file with the TTS from our downloads page
   (google-tts-connector.zip)
2. Unzip the file into the web server.

Installation - JSON Service Account

1. Log into your Google Cloud Platform account.
2. In a project where **Cloud Text-to-Speech API** is enabled, go to API & Services -> Credentials.
3. Hit the Create credentials button and then Service Account Key.
4. Download the JSON file and upload it to the server where the connector was deployed.

Installation - Configuration

1. Open the file **config.php** that lives in the folder created when unzipping the downloaded file.
2. Change **$credentials** with the path where the **key.json** file is.
3. Save the file.
4. In the folder of the connector run "**composer install**" command to install the required dependencies.

Checking the installation

1. Browse to the file **index.php** through the web server. You should see something like the following.
2. Try the TTS selecting a Language and a Voice and hitting the **Send** button.
3. If the requirements and installation are ok you should hear an audio with the TTS prompt.
4. If anything failed it may be pointed in the right panel of the interface.

Configuring the VoiceXML Platform

The TTS connector can be configured platform-wide or per-service basis.

Platform-wide:

1. Edit the file **/etc/voicexml-engine/engine.cfg**
2. Update the variable **client.prompt.resource.0.method** to **POST** if not already
3. Update the variable **client.prompt.resource.0.uri** to point to the **tts.php** file of the connector
4. Restart the **voicexml-engine** and the **asterisk** services

Per-service:

Add to each VoiceXML document (or application root) where you want to use it the property **prompturl** with the URL pointing to the **tts.php** file of the connector as value.

```
<property name="prompturl" value="URL/tts.php"/>
```

VoiceXML Example (Spanish)

We are going to use the Spanish Castilian lang (**es-ES**) with **es-ES-Standard-A** voice.

```xml
<?xml version="1.0"?>
<vxml version="2.1" xmlns="http://www.w3.org/2001/vxml" xml:lang="es-ES">
    <property name="promptvoice" value="es-ES-Standard-A"/>
    <form>
        <block>
            <prompt>Hola Mundo!</prompt>
        </block>
    </form>
</vxml>
```

VoiceXML Example (English)

We are going to use the English from the UK lang (**en-GB**) with **en-GB-Standard-A** voice.

```xml
<?xml version="1.0"?>
<vxml version="2.1" xmlns="http://www.w3.org/2001/vxml" xml:lang="en-GB">
    <property name="promptvoice" value="en-GB-Standard-A"/>
    <form>
        <block>
            <prompt>Hola Mundo!</prompt>
        </block>
    </form>
</vxml>
```

End