Amazon Polly

HTTP TTS Connector Installation Guide

Requirements

1. Web Server with **PHP 7.*** and at least the **curl** and **mbstring** PHP extension installed.
2. **ffmpeg** program installed.
3. Amazon AWS Account.
4. Amazon IAM User with **AmazonPollyReadOnlyAccess** attached policy.

Installation - Software Download

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

Installation - Amazon IAM Key

1. Log into your Amazon AWS account
2. Browse to the IAM User configuration page
3. Under the **Security Credentials** tab, hit the **Create Access Key**
4. Copy the **Access Key ID** and the **Secret Access Key** from the popup

Installation - Configuration

1. Open the file **config.php** that lives in the folder created when unzipping the downloaded file.
2. Change the **AMAZON_REGION** placeholder for the correct region for your IAM user.
3. Change the **AMAZON_USER_KEY** placeholder for the **Access Key ID** created in the previous section.
4. Change the **AMAZON_USER_SECRET** placeholder for the **Secret Access Key** created in the previous section.
5. Save the file.

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.
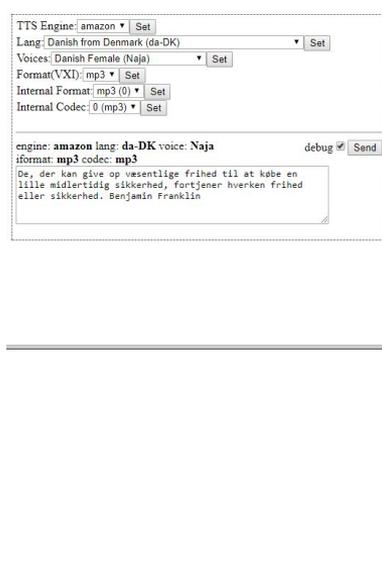
Connecting the TTS with the IVR

1. Log into your installation of our [VoiceXML IVR system](#).
2. Go to the **TTS Resources** section under the **Settings** menu.
3. Select the HTTP mode in the **TTS Mode** selector.
4. Fill the **URL** field with the absolute URL pointing to the **tts.php** file that is inside the downloaded zip file.
5. Hit the **Save** button following with the **Apply Changes** and **Restart Interpreter** buttons.
6. Finally, in your VoiceXML service, you need to specify a property called **promptvoice** with the value of the Amazon Polly Voice you want to use and set the proper **xml:lang** attribute to the language code you want to use.

VoiceXML Example (Spanish)

We are going to use the Spanish Castilian lang (**es-ES**) with **Conchita** 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="Conchita"/>
    <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 **Emma** 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="Emma"/>
    <form>
        <block>
            <prompt>Hello World!</prompt>
        </block>
    </form>
</vxml>
```

End