

Supporting Document for SharePoint Text-to-Speech Web Part

1. Introduction

This document provides an overview and instructions for implementing and using the Text-to-Speech (TTS) web part in SharePoint. This web part allows users to convert text content within a SharePoint page to spoken audio.

2. Purpose

The purpose of the TTS web part is to enhance accessibility and provide a better user experience by enabling content to be heard, which can be beneficial for users with visual impairments or those who prefer auditory content consumption.

3. Features

- **Text Conversion:** Converts any selected text on the SharePoint page to spoken audio.
- **Language Support:** Supports multiple languages for text-to-speech conversion.
- **Customization:** Allows customization of voice, speed, and pitch settings.
- **Play/Pause/Stop Controls:** Users can control the playback of the audio.

4. Prerequisites

- SharePoint site with sufficient permissions to add and manage web parts.
- Access to the TTS service or API that will be used for speech synthesis.
- Browser support for audio playback.

5. Installation

5.1. Download the Web Part

- Download the TTS web part package from the provided repository or source.

5.2. Upload to SharePoint

- Go to the SharePoint site where you want to add the TTS web part.
- Navigate to the site settings and select **Web Parts**.
- Upload the downloaded web part package.

5.3. Add to a Page

- Edit the SharePoint page where you want to include the TTS functionality.
- Select **Add a Web Part**, and choose the **Text-to-Speech** web part from the list.
- Configure the settings as needed.

6. Configuration

6.1. Language Selection

- Specify the default language for the TTS web part or allow users to select a language.

6.2. Voice Settings

- Customize the voice type (male/female), speed, and pitch of the speech synthesis.

6.3. API Key Setup

- If an external TTS API is being used, input the required API key and configure any related settings.

7. Usage

- To use the TTS feature, select the text you want to convert to speech, and click the **Play** button on the TTS web part.
- Use the controls to pause, stop, or adjust the playback.

8. Troubleshooting

- **Audio Playback Issues:** Ensure your browser supports audio playback and that sound settings are properly configured.
- **API Connectivity Issues:** Verify that the API key is correctly entered and that the service is reachable.
- **Language Not Supported:** Ensure the selected language is supported by the TTS engine.

9. FAQs

- **What languages are supported?**
 - The TTS web part supports all languages provided by the underlying TTS engine.
- **Can I customize the voice?**
 - Yes, the voice, speed, and pitch can be customized in the web part settings.

10. Conclusion

The SharePoint Text-to-Speech web part is a valuable tool for making content more accessible and user-friendly. By following the steps outlined in this document, you can effectively install, configure, and use the TTS web part on your SharePoint site.