TTS

About

Text-To-Speech general Information. Freeswitch currently supports several TTS options.

- `mod_unimrcp` - TTS using MRCP protocol
- `mod_cestral` - Commercial high-quality [Cepstral] voices & Text to Speech engine.
- `mod_flite` - An FOSS option, [Flite / Festival Lite.][old wiki]
- `mod_tts_commandline` - Run a command line and play the output file.

The complete list of TTS modules is available on the modules list page.

Javascript Implementation

Javascript_Session_Speak

Via `mod_shout` using online TTS

Using `mod_shout` allows you to stream audio from an URL, this allows you to utilize high quality online TTS services by writing out custom GET requests. Since an Internet transfer occurs on each TTS transaction this approach might not be desirable in a production environment.

Bing Translate


```plaintext
```

IVR Example

```xml
<include>
  <!-- demo IVR, Main Menu -->
  <!-- Other "flite" voices slt (female voice - best), rms (male voice), awb (male voice), kal (male voice) -->
  <menu name="ivr_danols_after_hours"
    tts-engine="flite" tts-voice="slt"
    max-failures="3" max-timeouts="3"
    confirm-macro="" confirm-key="" confirm-attempts="3"
    timeout="10000" inter-digit-timeout="2000"
    digit-len="1"
    <!-- say using online TTS -->
    <!-- or say using built in flite -->
    greet-short="say:Thank+you+for+calling+Danols."
    invalid-sound="say:Invalid selection"
    exit-sound="say:Goodby and thank you for calling Danols.">
    <!-- The following are the definitions for the digits the user dials -->
    <entry action="menu-exec-app" digits="1" param="transfer 1000 XML default"/>
  </menu>
</include>
```

Google Translate

You probably need to agree with Google API TOS, located at..? Please note google will fail to convert if the input text is too long so test url in browser first; Bing appears to be more lenient in this regard.

```xml
<extension name="Free_Google_Text_To_Speech">
  <condition field="destination_number" expression="^2115$">
    <action application="answer" data=""/>
    <action application="playback" data="shout://translate.google.com/translate_tts?tl=en&q=Buy+Cheap+dids+at+www+dot+voice+network+dot+see+eh"/>
  </condition>
</extension>
```