LumenVox Text-to-Speech (TTS) Server

TEXT-TO-SPEECH

SYMBOLIC PHONETIC REPRESENTATION IS A METHOD OF EXPRESSING THE PHONETIC SYMBOLS WHICH ARE SUPPORTED ONLY IN THE LUMENVOX ENGLISH SYNTHESIZERS. THERE ARE DIFFERENT WAYS OF EXPRESSING EACH PHONETIC SYMBOL DEPENDING ON THE CHOSEN ALPHABET, WHICH IS AN OPTIONAL ATTRIBUTE OF THE PHONEME TAG.

ANYTHING THEY CAN SAY
WE SAY IT BETTER!

The LumenVox Text-to-Speech (TTS) Server is a complementary solution to our Speech Recognizer, enabling your application to synthesize text-to-speech to create the most realistic, natural sounding voices on the market.

This technology is critical when reading dynamic computer data that cannot be pre-recorded, such as reading live text from the Web or a street address from a database. Other common TTS uses include telephone systems, automotive applications, and programs to assist the disabled. With the ability to incorporate it into any computer or IVR application, the LumenVox TTS Server provides an accurate and affordable speech solution for your telephony platform or software application.

The LumenVox TTS Server is designed to excel in telephony, Interactive Voice Response (IVR), and other similar command/control environments. So whether you are speech enabling a call router or looking to develop applications for the burgeoning mobile market, LumenVox has the full suite of products you need.

LumenVox TTS Features

Speech Synthesis — create the most natural sounding voice
The LumenVox TTS Server provides text-to-speech synthesis, turning written text into spoken speech. It supports the Speech Synthesis Markup Language (SSML), a way to format text within XML to control the pronunciation of words, and it can also accept plain text in order to perform synthesis. As with the LumenVox Speech Recognizer (ASR), the primary method of interacting with the LumenVox TTS Server is through the Media Server in which case synthesized audio is provided back to the client application as a Real-time Transport Protocol (RTP) stream.

Voice Packages — install and deploy languages with ease
The LumenVox TTS Server is available in over a dozen languages with a variety of male or female voices for each language so that you can customize your solution to provide the most natural experience for your customers. Language support includes American English, Australian English, British English, Latin American Spanish, North American Spanish, Castilian Spanish, European French, Canadian French, Standard German, and more.

Standards Support — let industry standards simplify development
The LumenVox TTS Server can be controlled through Media Resource Control Protocol (MRCP) versions 1 or 2, allowing for drop–in replacement of other TTS engines in dozens of various voice platforms supported by LumenVox. It also features an extension of the LumenVox C and C++ application programming interface, so you can write a custom application around the TTS Engine for total control.

Distributed Client/Server Architecture — seamlessly grow your speech environment
You can't afford service outages or hardware failures. The versatility of the LumenVox TTS client/server architecture allows your administrators to seamlessly grow speech environments. This distributed architecture provides stability through redundant installations and achieves higher levels of performance through load balancing, without requiring increased processor load.

Seamless Integration with LumenVox Product Stack – efficient and simple
ASR and TTS products from different vendors often compete for machine resources or require elaborate programming to make them work in concert. LumenVox maintains a tight integration among all of its products. The LumenVox ASR and LumenVox TTS interfaces incorporate the same look and feel, and the LumenVox Media Server efficiently manages the resource demands system hardware. Just as importantly, LumenVox TTS and LumenVox ASR can be configured together with the LumenVox Tuner Tool to ensure that the overall user experience can be optimized quickly both before and after production.

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