

LumenVox Text-to-Speech (TTS) Server



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.

LumenVox Text-to-Speech (TTS) SDK

Develop a Successful Speech Application

LumenVox believes in equipping our partners with the proper tools to be successful in developing speech applications. That's why the LumenVox SDKs come with a complete package of software, training, support, and licenses that enable any developer to begin building applications quickly and efficiently.

A Best Practices Guide to Success

For each SDK, LumenVox works with you through the process of making your speech applications successful:

- Discovery
- Setting up your environment
- Assisting with the installation of the software and hardware
- Training you on the operation and how to design a speech application
- Assisting with the development of your application
- Giving you ports to test with under load conditions
- Teaching you how to use our post deployment LumenVox Speech Tuner
- Tuning your application

LumenVox Text-to-Speech (TTS) SDK Features

The LumenVox TTS SDK is designed to accelerate the learning curve. It includes the following components:

Discovery Workshop	LumenVox solution architects will hold a custom discovery workshop with you to understand your objectives and requirements in order to recommend the best path forward.
LumenVox Text-to-Speech (TTS)	Five full LumenVox TTS licenses include all the software and documentation necessary.
LumenVox Speech Tuner	One-year license of the industry's best tool for making improvements to a speech application to ensure application performance and intention.
LumenVox TTS Software Maintenance Contract	One year of software maintenance includes free upgrades for the first 12 months.
Load Testing Licenses	100 LumenVox TTS subscription licenses for load testing allow developers to ensure that the project is production-ready prior to release.
LumenVox Training	1 Half-day training workshop on TTS development, best practices and post-deployment tuning.
LumenVox Technical Support	5 hours of LumenVox technical support through development, deployment, technical challenges, and testing.
Discounts on Future Purchases	Future purchases of licenses will be discounted on a graduated scale.

For more information on the LumenVox TTS, please visit: www.lumenvox.com/products/tts/

About LumenVox

LumenVox is a speech automation solutions company providing core technologies and design, development, deployment, tuning and transcription services. Since 2001, we have achieved recognition for our high quality speech automation software and tuning products and have been certified as amongst the most accurate and reliable in the industry.

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Speech Recognizer

Text-to-Speech

Call Progress Analysis

Speech Tuner



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