

# talkkit

Usable IVR solutions

IVR Platform  
IVR Software Development

We provide IVR products and services that dramatically reduce the cost of common phone calls to and from your company.

We help setup and manage customized voice solutions to suit your needs using our takkit platform.

Our team has created successful voice applications and solutions which have won many accolades in the recent past.

**The industry's server class FreeSwitch server in industrial grade chassis for Telco-grade performance in IP-PBX, IVR, Voice, 3G Video, Mobile VAS and Call-Center applications.**



## IVR Platform

Hexolabs helps setup your own IVR platform where you can host your own services. We understand your needs and offer customized solutions addressing your requirements and problems. We also custom develop IVR software solutions which will empower your business to reach new horizons and engage your customers.

### Hardware Specifications

Industrial Grade Chassis – 2U / 4U  
Mother Board – Intel®  
4 GB 1333 MHz DDR3 RAM  
500 GB SATA HDD  
Industrial Grade SMPS  
RoHS Compatible  
12 cm Cooling Fan  
E1 Interface Port RJ-48  
Intel® 82567LM Gigabit Ethernet Port  
Dual-mode VGA Graphics Port

### Software Specification

Cent OS 5.3  
FreeSWITCH 1.0.6  
IVR LUA Library  
IVR Perl Library  
IVR Python Library  
ASR/TTS : Flite  
ASR/TTS : pocketsphinx  
Database : MySQL

The **HEX 101** is part of Hexolabs Advanced FreeSwitch Telecommunication servers built around Intel® Core i7 architecture and high-performance PCI or PCI Express bus – the same architecture which provides telcograde performance in critical systems all over the world.

The HEX 101 supports single E1/T1/J1 port for full duplex data throughput for up to 2.048 Mbps or up to 30 voice calls on E1, T1 or J1 line.

HEX 101 exploits multi-core architecture of Intel® Core i7 and Intel® C/C++ Compiler (ICC) to deliver more than 15% improvement on translation time, encoding time and call capacity.

With Hexolabs's server-class machines, you can take advantage of hardware and software upgrades as they become available.

## IVR platform features

### Support for Multiple Voice Devices

Hex-IVR implements a driver model for interfacing with voice devices. This enables Hex-IVR to support practically any voice device in the market. At present, drivers are available that support Digital (E1/T1), SS7, H323 & SIP.

### Database Support

Hex-IVR provides database functions to access MySQL, DB2, Oracle, SQL and other standard databases via ODBC. In most cases, SQL statements can be directly invoked from inside the script to obtain the required data.

### Text to Speech

It has in build Open source TTS Engines like flite, pocketsphinx and centripetal.

### Scalability and Multi-Port support

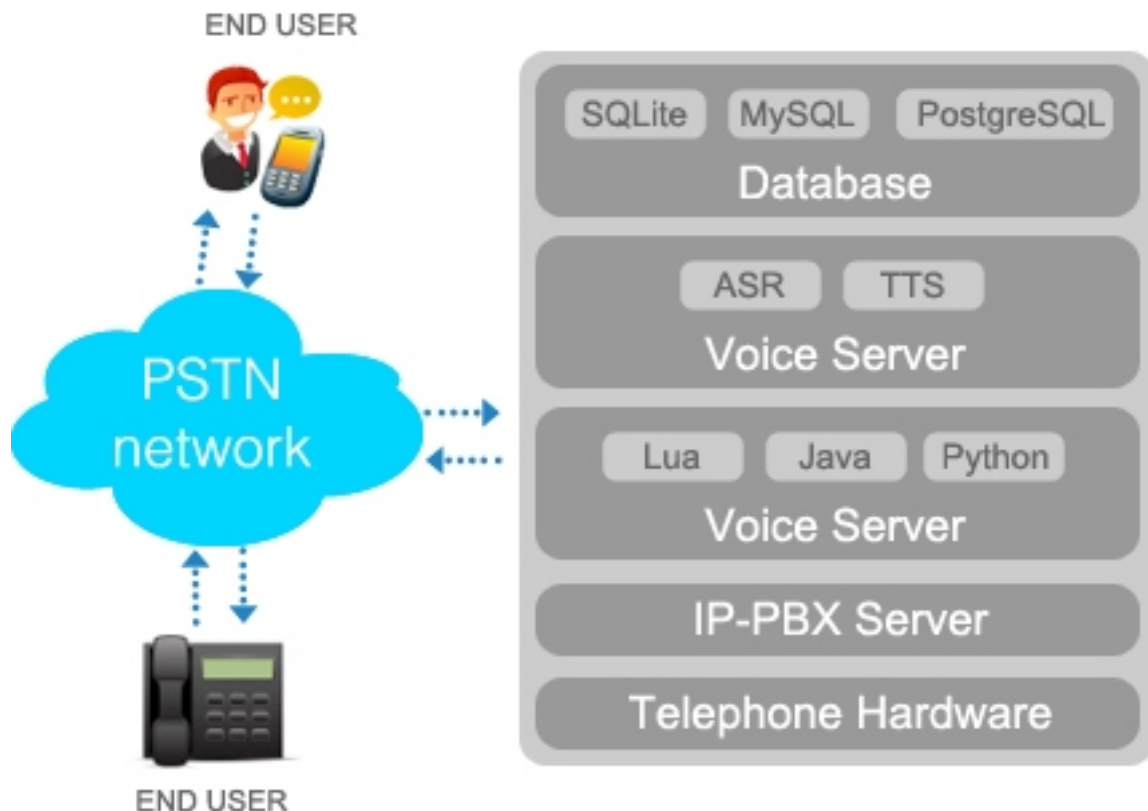
**HEX 101** works right from few ports voice device to a 512 port T1/E1 solution with NO changes in code. **HEX 101** also supports clustering of systems to provide for higher port densities of 1000+ ports. .

### Multi-language prompts and Number

The scripting language is designed from ground up for easy multi-language prompt support and enables the user to implement IVR support for multiple languages quickly.

### Advanced Features

Hex-IVR supports advanced features like background play, conferencing and faxing capability that enables one to provide superior DTMF and Fax Solutions with minimal effort.



# IVR Software Development

We design, develop and maintain IVR software solutions for your requirements. We follow the industry standards and always make sure we serve you with the best solutions. Our team comprises of Usability Experts, Designers, Creative Programmers, VAS Consultants, Telecom Industry Experts who have created successful IVR solutions in the past.



## About Hexolabs

**Hexolabs** is a provider of **products, platforms and hosted-on-demand services for mobile VAS services** on the mobile phone to Enterprises, Media Companies and Wireless Carriers. The company was founded in collaboration with the Indian Institute of Technology, Kanpur, India

### Hexolabs offers

**India specific mVAS product innovation and solution consultancy**

**products and platforms for voice recognition** on the mobile phone to enterprises, content providers, media companies, VAS providers and wireless carriers.

**Hosted-on-demand services** cater to the enterprise which wants to use a voice platform without having to invest upfront in the costly infrastructure.

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