

Text to Speech



Overview

JioCloud Text-to-Speech service is built to solve those exact gaps—especially for Indian use cases. It lets you convert any text into natural-sounding speech in Indian languages, with the ability to fine-tune tone, gender, and delivery style. You can test output instantly, integrate easily using APIs, and control usage and cost from a self-service dashboard. Whether it's an IVR, an announcement system, or an education platform, this solution helps you deliver voice content that aligns with the language, the message, and the moment.

Key Features

- **Supports major Indian languages**
Hindi, Tamil, Bengali, Kannada, Telugu, Marathi, and more.
- **Voice personalization**
Choose male or female voices; set tone to formal, conversational, or neutral.
- **Live audio testing**
Try variations instantly in a no-setup web playground.
- **Simple API integration**
Plug into mobile apps, kiosks, websites, IVRs, or LMS platforms.
- **Self-service management**
Provision, pause, delete, or modify services with ease.
- **Transparent, usage-based billing**
Pay based on text-to-audio volume; top up credits anytime.

Benefits

- Realistic audio that resonates**
Deliver speech that sounds human—not robotic—across Hindi, Tamil, Bengali, Kannada, and more.
- Control voice, tone, and gender**
Customise voice output for different use cases—from formal to friendly, male or female.
- Test before you build**
Use a web-based playground to preview audio instantly, refine it, and share with stakeholders before integration.

- Integrate anywhere, easily**
Add voice to mobile apps, kiosks, IVR flows, or accessibility tools using clean, secure REST APIs.
- Manage usage, on your terms**
Track credits, control costs, and provision or pause services via a self-service portal.
- Scale without guesswork**
Pay only for what you use—no hidden costs, no overcommitments.

Supported Language

Language	Male Speaker	Female Speaker
Hindi	Yes	Yes
Bengali	Yes	Yes
Kannada	Yes	Yes
Malayalam	Yes	Yes
Tamil	Yes	Yes
Telugu	Yes	Yes

Language	Male Speaker	Female Speaker
Gujarati	Yes	Yes
Odia	Yes	Yes
Assamese	Yes	Yes
Marathi	Yes	Yes
Punjabi	Yes	Yes
Indian English	Yes	Yes

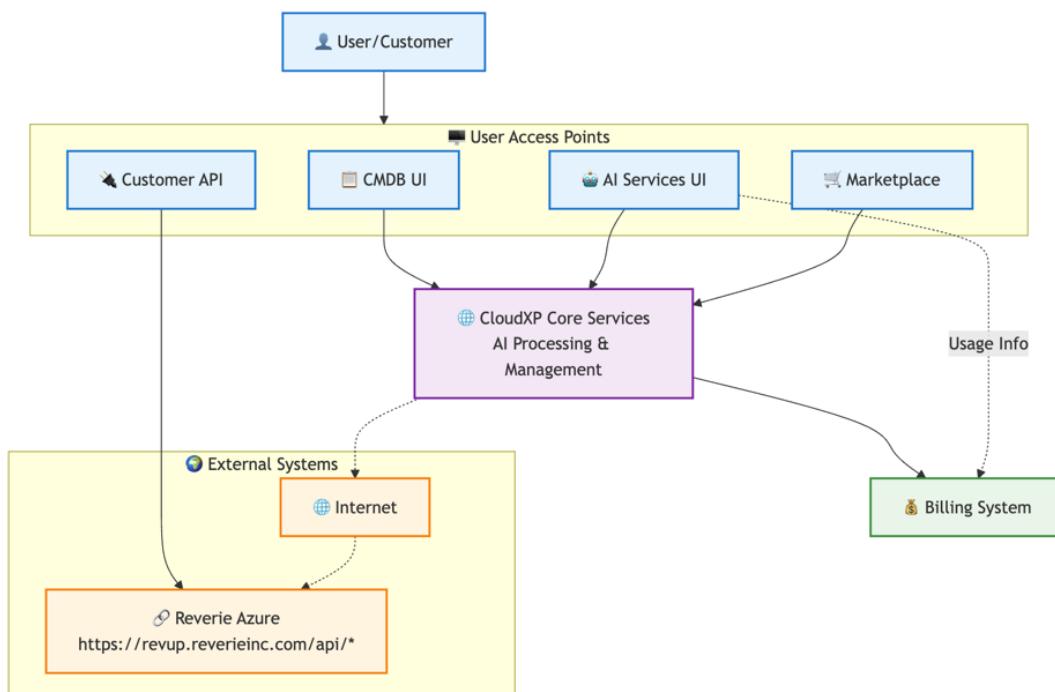
Supported Audio Format

Audio Format
WAV
MP3
FLAC
OGG
OPUS
PCM

Technical Specifications

Category	Details
Output Type	Text to audio (speech synthesis)
Input Format	Plain text (UTF-8)
Audio Output	Audio
Supported Languages	English +Regional Indian
Access Protocol	REST API over HTTPS
Authentication	Bearer Token
Voice Options	Male/Female (varies by language)
Response Format	JSON + downloadable audio file
Average Latency	-
Web Playground	Text input + live playback and audio download
Deployment Model	Fully managed SaaS
Billing Model	Per-character billing
Security	HTTPS, isolated tokens, no text storage

Architecture Diagram



Use Cases

- **VR and customer support automation**

Replace dull IVR prompts with warm, human-like voices in regional languages. Improve the caller experience while staying brand consistent.

- **Healthcare-patient instructions**

Convert care instructions into regional voice messages—especially useful in rural or low-literacy areas.

- **E-governance public announcements**

Auto-generate updates and bulletins in local languages with the right tone and gender—for kiosks, SMS links, or citizen apps.