JioCloud

Speech to Text

Overview

JioCloud Speech-to-Text offers a fully managed transcription engine—designed for Indian use cases. It supports multilingual speech input, speaker separation, and background noise handling—all available via developer-friendly APIs and a self-serve playground. Test live, integrate fast, and manage usage on your terms. No delays, no lock-ins—just accurate transcription at scale.

Key Features

- **Indian language and accent support**
  Transcribe speech in Hindi, Tamil, Telugu, Bengali, Marathi, Kannada, and more—our system is trained on native Indian phonetics and grammar for unmatched accuracy.
- **Noise robustness and speaker separation**
  Handles real-world audio with overlapping speakers, background noise, and variable quality.
- **Web-based testing playground**
  Upload audio or speak live—instantly view transcriptions with no coding.
- **REST API for seamless integration**
  Add transcription to any app, IVR, or backend system using secure and lightweight APIs.
- **Self-service control panel**
  Provision, monitor, scale, or delete services on demand—without waiting for support.
- **Flexible credit-based billing**
  Pay only for what you use—with full visibility and dynamic top-up options.

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Benefits

- **Accurate transcription of Indian languages**
  Better accuracy than generic tools, even in complex or noisy audio.
- **Faster time to value**
  Test and validate transcriptions before going live—speed up go-to-market.
- **Cost-efficient scaling**
  Consumption-based billing makes it easy to scale across teams and channels.
- **Developer control, operational simplicity**
  Own the lifecycle—from setup to shut down—via UI or APIs.
- **Make voice data usable**
  Turn calls, recordings, and spoken inputs into searchable, structured content.

Supported Language

Language	Direction
Hindi	Speech → Text
Bengali	Speech → Text
Tamil	Speech → Text
Telugu	Speech → Text
Kannada	Speech → Text
Malayalam	Speech → Text

Language	Direction
Marathi	Speech → Text
Gujarati	Speech → Text
Punjabi	Speech → Text
Odia	Speech → Text
Assamese	Speech → Text
English	Speech → Text

Technical Specifications

Category	Details
Translation Type	Text only
Access Protocol	API over HTTPS
Authentication	API Key / Bearer Token
Response Format	JSON (UTF-8 encoded)
Average Latency	-
Playground	Web-based testing and validation interface
Deployment Model	Fully managed SaaS
Billing Model	Pay-as-you-go (per character translated)
Security	HTTPS encryption, token isolation, no data retention

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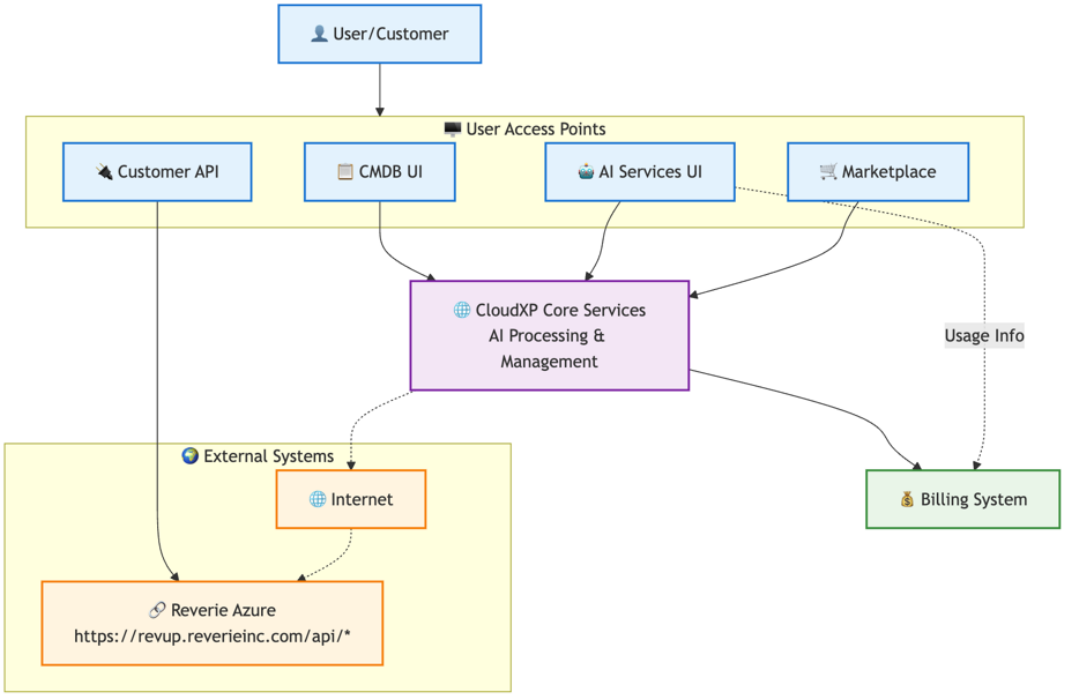
Architecture Diagram



Use Cases

- **Call centers**
  Summarise and analyse voice conversations across languages—improve quality assurance and agent performance.
- **E-governance**
  Transcribe citizen queries across IVRs and voice portals—drive inclusion with local language support.
- **EdTech and media**
  Transcribe lectures, interviews, and podcasts for accessibility, SEO, and knowledge capture.
- **Telehealth and healthcare**
  Enable voice documentation for consults and patient communication —reduce admin overhead.
- **Mobile and digital apps**
  Offer voice-to-text inputs for search, feedback, or registration—with real-time translation if needed.