Cloud Translation: A Speech Recognition Market Opportunity

(Mobile Voice Presentation)
Future Speech Recognition Opportunities

- $113 B market by 2017
- Consumer
- Enterprise
- Health
Future Players in Speech Market
Future Direction of Speech Market

![Graph showing the future direction of the speech market with three categories: Consumer, Enterprise, and Health care. The graph shows projected revenue in millions for the years 2011, 2012, and 2017.](image-url)
Cloud Translation

Translate Your World International
Data Flow Overview

Source (text or voice) → TYWI

Google
Microsoft
SDL

Recipient (lang #1)
Recipient (lang #2)
Recipient (lang #3)
Nuance NDEV Mobile

High Quality SpeechToText on NDEV

The Industry’s FIRST developer program to offer Speech To Text and Text to Speech integration for any mobile app

8000+ developers registered to date

iOS, Android, WP 7

www.ndevmobile.com
Nuance NDEV SDK

NDEV Mobile: Client SDK Technical Aspects

SDK Components
- Recognizer object
- Audio engine
- End of Speech Detection
- Encoding (compresses request to conserve bandwidth)
- Network Transport

Server Components
- Authentication
- Recognizer
- Vocalizer TTS

1. Client application invokes SDK
2. SDK captures request and encodes it
   - Might use End of Speech, if enabled
3. SDK Network Transport sends utterance to NVC Servers
4. NVC Server authenticates Client app
5. Recognizer TTS processes request
6. NVC Server redirects response to Client
7. SDK processes response and sends to Client app
8. Client app plays/shows response

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Machine Translation Market
TYWI Demo
https://youtu.be/0GPmzHO0LsE
Talk Outline

- Future Speech Recognition Market Opportunities
- Define Cloud Translation
- Nuance NDEV and WebRtc
- Cloud Translation Architecture
- Video of TYWI in action
- Machine Translation a New Horizontal Market for Speech Technologies