



Turning Text into Speech Jonathan Campbell

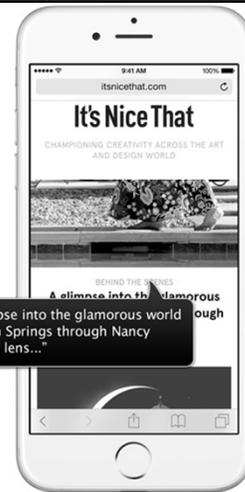
The Session begins at 1:00 pm CST
We will be testing audio quality periodically

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Turning Text Into Speech: Real World Applications and Examples

Jonathan Campbell

- Assistive Technology Consultant/Trainer for Minnesota State Services for the Blind
- Co-Host of the Access Ninja Podcast at www.access.ninja
- App Developer for Love It To Bits at www.loveittobits.com



"A glimpse into the glamorous world of Palm Springs through Nancy Baron's lens..."

Text to Speech Vs. Screen Reader

- Text to Speech
 - Text on the screen is read out loud
 - Can read selections or entire screen
- Screen Reader
 - Used by people who are blind or low vision
 - Includes functions for controlling the computer



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Agenda

- Screen Readers for Desktop and Mobile
- Magnification Tools with Text to Speech
- Built-in Reading Tools for iOS
- OCR Apps and Software
- Highlight and Read Tools

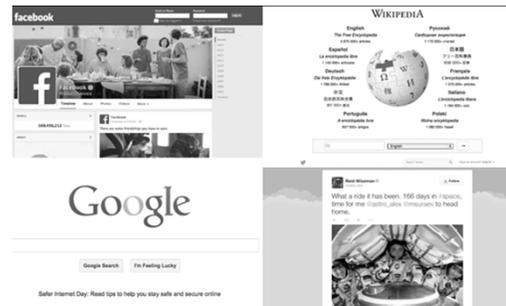
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Screen Readers

Desktop & Mobile

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Demonstration

Using JAWS to navigate a webpage

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JAWS

- JAWS (Job Access With Speech)
- Possibly the most popular screen reader
- Built-in OCR support, Daisy Reader, Advanced Web navigation
- Home Edition \$895; Professional \$1,095
- By Freedom Scientific: freedomscientific.com

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NVDA

- NVDA (NonVisual Desktop Access)
- Similar navigation as JAWS
- Smaller development team but consistently updated
- Free; Open source
- By NV Access: www.nvaccess.org

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Example

Reads Text
under cursor

When a Company Is Put Up for Sale Is, Too

By NICHOLAS SINGER and JEREMY B. MERRILL. JUNE 28, 2015

✉ Email
🔖 Share
🐦 Tweet
💾 Save
⋮ More

The privacy policy for Hulu, a video-streaming service with about nine million subscribers, contains a declaration that the company "respects your privacy."

That respect could lapse, however, if the company is ever sold or goes bankrupt. At that point, according to a clause several screens deep in the policy, the host of details that Hulu can gather about subscribers — names, birth dates, email addresses, videos watched, device locations and more — could be transferred to "one or more third parties as part of the transaction." The policy does not promise to contact users if their data changes hands.

Provisions like that act as a sort of data fire sale clause. They are becoming standard among the most popular sites, according to a recent analysis by The New York Times of the top 100 websites in the United States as ranked by Alexa.

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Window-Eyes

- Optimized for use with Microsoft Office
- Single User \$895; Free with install of Microsoft Office 2010 or later: windoweyesforoffice.com
- By Ai Squared (formerly GW Micro): gwmicro.com

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And More

- SuperNova Screen Reader
 - By Dolphin: yourdolphin.com
 - \$795
- System Access
 - By Serotek
 - Standalone \$399; Mobile \$499

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VoiceOver for Mac

- Press Command + F5 on any Mac
- Built into the operating system
- Developer tools allow software makers to optimize their programs for accessibility
- Free: Pre-installed
- Apple, Inc: apple.com/accessibility

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Demo

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VoiceOver for iOS

- Available in Settings - Accessibility or with Siri
- Built into the operating system
- Can be controlled with gestures, keyboards, or braille displays
- Free: Pre-installed
- Apple, Inc: apple.com/accessibility

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Demo

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Talkback for Android

- Available in Settings
- Can be controlled with gestures and limited keyboard support
- Free: Pre-installed on some devices; Available from Google Play
- Google: support.google.com/talkback

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Magnification with Text to Speech



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ZoomText Magnifier/Reader

- Re-renders high quality text at any magnification
- Reads text through keyboard or mouse navigation
- \$599
- Ai Squared: aisquared.com

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Demo

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ZoomText Magnifier/Reader

- Re-renders high quality text at any magnification
- Reads text through keyboard or mouse navigation
- \$595
- Freedom Scientific: freedomscientific.com

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Apple Zoom

- Reads text under cursor
- Requires Picture-in-picture mode turned on
- Free: System Preferences - Accessibility
- Apple, Inc: apple.com/accessibility/osx

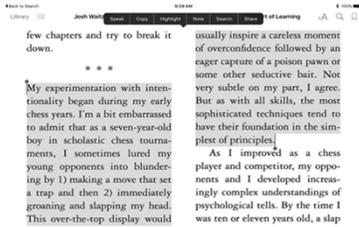
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Demo

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Built-in Reading Tools for iOS



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Speak Selection

- Turned on in Settings - Accessibility - Speech
- Highlight text and press the Speak pop-up button
- Only reads text that can be highlighted: Editable text, eBooks, website text, etc

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Speak Screen

- Turned on in Settings - Accessibility - Speech
- Drag two fingers down from the top of the screen
- Reads the main content on the screen: (i.e. reads the web page but not the address bar and buttons)
- Will read continuously in book reading apps like iBooks and Kindle

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Demo

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OCR Apps and Software



Our challenge Sensotec was founded in 1986 as a company active in the development of aids for blind children, their parents and teachers in mainstream education. We have since grown into a business with 35 employees, operating from 3 sites. Over the

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iOS Apps

- KNFB Reader
 - By Sensotec NV and KNFB Reader, LLC: \$99
- TextGrabber
 - By ABBYY: \$5
- Voice - Take A Picture And Have It Spoken
 - By Shalin Shah : Free

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Demo

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Desktop

- ABBYY FineReader
 - By ABBYY: PC \$170, Mac \$120
- Kurzweil 3000/1000
 - By Kurzweil Education: 1000 \$995, 3000 \$1395
- OmniPage
 - By Nuance: \$150

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Desktop

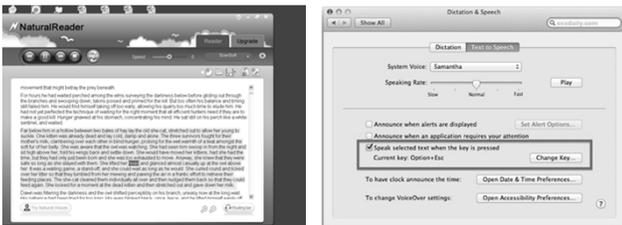
- Free OCR
- By paper file.net: Free
- Prizmo
- By Creaceed: Mac \$50, iOS \$10

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Demo

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Highlight and Read Tools



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Desktop

- NaturalReader
- By NaturalSoft: Free to \$!
- Snap&Read
- By Don Johnston: Pricing Varies
- Apple Speech
- By Apple: Free

Demo

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Questions and Final Thoughts

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Thank you for participating!

NEXT SESSION IS SEPTEMBER 17, 2015

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and will be archived at

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