



The future of an accessible email client

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Introduction

- How to bring email to illiterate or cognitive/motor impaired people?
- Provide adapted software:
 - Simplified GUI:
 - representative icons
 - audio feedback
 - single clicks
 - Text to speech to read email
 - Audio recording to send email (no speech to text)
 - Address book displayed through photos

Current version

The screenshot displays the Mail2Voice application window. At the top, there are navigation buttons for 'Inbox', 'Send', 'Trash', and 'Contacts'. On the right side of the top bar, there are buttons for 'Help', 'Settings', and 'Quit'. Below the navigation bar is a list of emails with columns for 'Status', 'Portrait', 'Sender name', 'Atch', 'Date', and 'Title'. The selected email is from 'Thierry [redacted]' dated '5/19/2015 5:21 PM' with the subject 'Message vocal'. The main area shows the details of this message, including the sender's name, email address, date, and subject. Below the message details are playback controls: 'Play', 'Pause', and 'Stop'. At the bottom, there are 'Delete' and 'Reply' buttons. A small thumbnail of the audio file 'Message_2015-05-19_17h28.mp3' is visible next to the playback controls.

Status	Portrait	Sender name	Atch	Date	Title
		Thierry [redacted]		5/19/2015 5:21 PM	Message vocal
		Laurent CLAU...		5/14/2015 1:40 PM	Bienvenue au mois extra ordi...
		Laurent CLAU...		3/27/2015 7:21 PM	Bienvenue aux JDLL 2015
		ium wear		12/30/2014 12:47 PM	l' armoire
		Mail2Voice ●		11/15/2014 3:30 PM	Bienvenue au Capitole du Lib...
		Mail2Voice ●		7/7/2014 3:19 PM	Bienvenue aux RMLL
		Mail2Voice ●		6/25/2014 9:19 PM	Message vocal

Mail2Voice Next: what and why?

- The end of v1:
 - Feature complete for the branch
 - No longer maintainable (spent devs)
 - Scalability dead end (performances, feature and env)
 - The rise of v2:
 - New features
 - New architecture
 - New perspectives
- Rebuild the project with a rock solid base to later focus on accessibility.

Find a way for V2

- One certainty: throw everything away and restart!
- Two ways of achieving desired goal:
 - Build upon existing client
 - Build from components

Build upon existing client?

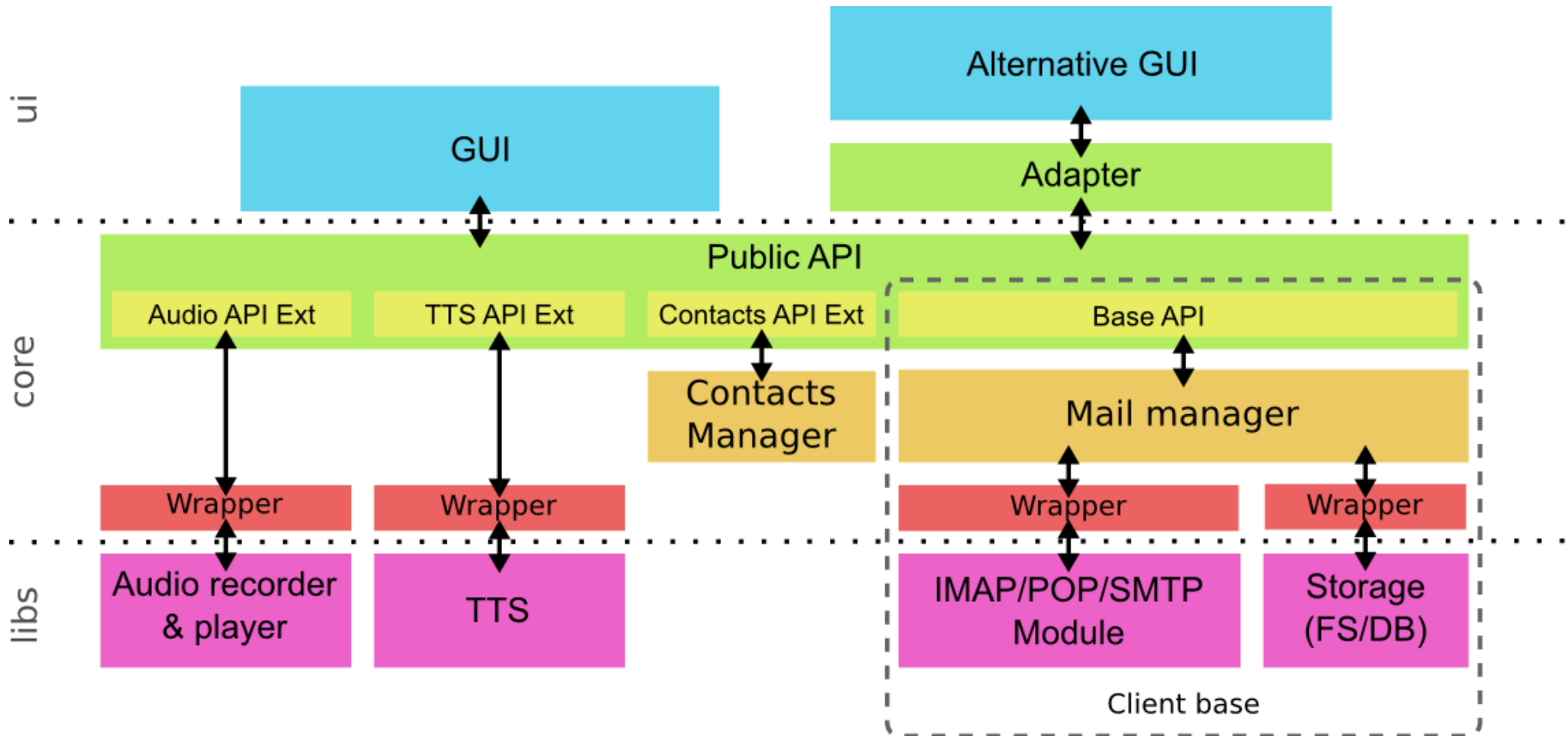
- Different clients considered
 - Thunderbird seemed the best option
- Thunderbird Extension?
 - Unstable APIs (legacy dropped, Addon SDK not fully supported, WebExtensions coming)
 - TB has been dropped officially from Mozilla



Build from components

- Perspectives:
 - New architecture
 - Stable code base
 - Split between base and M2V specific features
- Issues:
 - Lot of (re)work

Architecture overview



Roadmap

- January
 - Project start: **done** ✓
 - Functional specifications: **done** ✓
 - Study of existing solutions/components: **pending** ✗
- February
 - Architecture design
 - Data models, interfaces, components design
- March
 - Architecture validation
 - HMI design
 - Development roadmap

Future thoughts

- Accessibility: Just DO IT!
- Other kinds of public
- Derivatives projects?
 - Other forms of email clients
 - GUI concepts reproduced for different software
- Beyond email?
 - Video/audio chat



Conclusion

- Mail2Voice Next is on track
- Still in early design stage
- Large amount of work to expect
- Far more exciting!

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- Mail2Voice Next is on track
- Still in early design stage
- Large amount of work to expect
- Far more exciting than v1!



Thank you! Questions?

Website : <http://www.mail2voice.org>

Wiki: <http://wiki.mail2voice.org>

Mailing list: mail2voice-devel@lists.sourceforge.net

Freedom #0 : <http://liberte0.org>

