# Distributed collaboration based on mobile infrastructure

Presenter: Oleg lakushkin

Authors: Serob Balyan

Suren Abrahamyan

## Collaboration

Blackboards

Whiteboards

Sticky notes



### e-Collaboration

Presentations and demonstrations

Group discussions

**Decision-makings** 

Votings

Online reviews

Video trainings

Healthcare

### e-Collaboration

Special hardware

Reliable internet connection

Visualization devices

Qualified management and support

Financial efforts!

### Challenges

Device fragmentation - processor, memory, screen,...

Os fragmentation - Android, iOS, WP

Development approach - Native / Cross-Platform / Hybrid

# Development approach

Native approach

Web-based approach

Hybrid approach

# **Key-points**

Security

Device-independency

**Usability** 



Creative Collaboration		Efficient Processes		Smart & Secure		Impressive Presentations	
Ideate and co-create	Rate	Better results	Less time	Secure	App Store installation	Visualize	Import pdf
****	****	****	****	*****	****	****	****
Engage	Decide	Get along speakers	Reduce risks	No server	Wireless presentation	Screen Stick	
****	****	****	****	****	****	****	
Inspire each other	Take photos & video clips	Auto mute		No Cloud		Control up to 9 screens	
****	****	****		****		****	
Share sketches drawing apps		Sort & cluster in parallel		No firewall troubles		Wireless presentation	
Share		Safely address contentious areas		Apple, Android, Windows		Mirror your Board	
Report		Open culture & mind		Easy to share	-	Co-Create	
Analyse		Prepare & Share in seconds		Automatic Updates		****	



The Boards App	Berlin Grappe Discharge of Service State Control of the Service State Cont	Smarter than a whiteboard!
Co-Create Rate Next Card  Q W E R T Z U I Q P  A S D F G R J K L  Y X C V B N M C  NO \$ 1.50 P C P C P C P C P C P C P C P C P C P	The Cards App	Smarter than sticky notes!
The Screen App	Smarter than a movie screen!	Control up to 9 screens (or projectors)

# Advantages

No server necessary	Works on <sup>1</sup>	No cloud necessary
Works with & without internet	Runs with personal & mobile hotspot	No firewall troubles
Data is stored on your device only!	Secure	x10 Faster

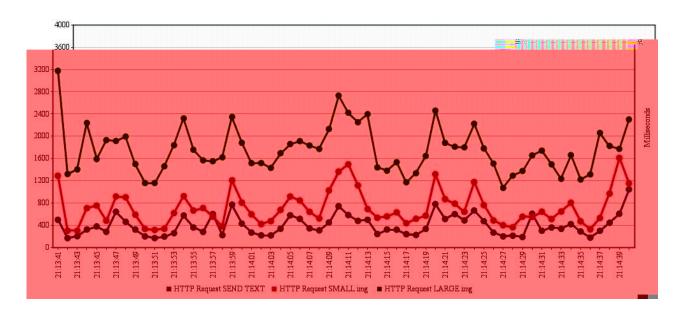
# **Technology**



"NanoHTTPd" server

"Bridge" plugin

### Test results



Samples' send-receive average times for different types of requests

### Sezam

### Мама









Я









Мама

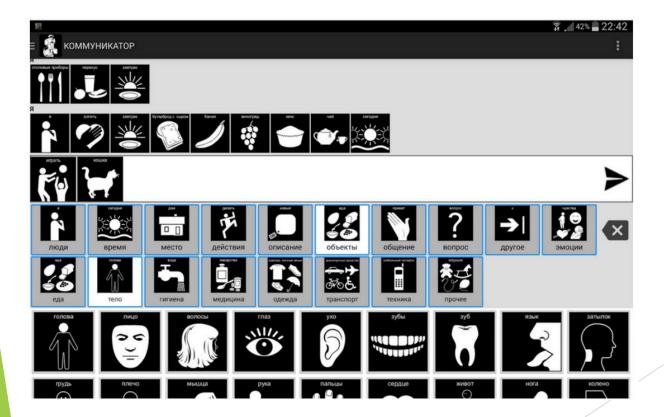








# Application interface



# Thanks for attention!