

Synchronizing Contacts between Android OS & Mac OS X

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**But it works, where's
the problem?**



Google Search

I'm Feeling Lucky

Isn't Android MADE by Google?

- Jop! And every Android device has a Google account associated with, including



Gmail



Google Contacts



Google Calendar

...

Goal

- Provide a satisfying alternative, that personal data is stored only on the devices used, instead of spreading it out in the world wide web
- Not fighting against Google, just to take the challenge to do it without it!

Am I the First?

 doubleTwist

 SyncMate

 The Missing Sync for Android

 Fone Sync

Why not using them?

- Too many unnecessary features
- Only one side wins
- Support for basic fields like name + number
- Cable Sync

Aha, so what's the challenge?

- No native synchronization
- OS X speaks Objective-C
- Android speaks Java
- Entities are similar, but different
- Data is kept persistent different

What has happened so far...

- Network Communication via TCP Sockets and Bonjour(Zeroconf) using AsyncSockets Framework in Cocoa
- JSON as common “language” (TouchJSON in Cocoa)
- Understanding contact structures in Android/OS X
- Use of SyncServices in OS X (“server”)
- Actually creating
2 different applications
In 2 different programming languages
On 2 different devices

Useful Links

http://www.google.co.uk/intl/en_uk/mobile/android/

<http://www.twitlonger.com/show/bvqdos>

<http://www.myid.com/Google-privacy-personal-information-protection-guide>

<http://www.doubletwist.com/>

<http://mac.eltima.com/sync-mac.html>

<http://www.markspace.com/products/android/missing-sync-android.html>

<http://www.novamedia.de/en/mac-fonesync-samsung.html>

<http://json.org/>

<http://code.google.com/p/cocoaasyncsocket/>

<https://github.com/TouchCode/TouchJSON>

<http://www.zeroconf.org/>