

Bazaar Wiki

Bazaar is our focused effort to make the [F-Droid](#) app store the most private and secure available, while embedding the best known methods for guaranteeing access no matter the conditions of the internet:

- share apps on your phone with people nearby using WiFi, Bluetooth, NFC, SDCard, etc
- audit installed apps by comparing them to the versions that other people have installed to make sure they are not malware
- use decentralized app stores from all sorts of organizations
- securely build and distribute app releases
- curate your own collections of media and apps

Overview

- [[Concept Note]]
- [[User Stories]]
- [[Bazaar Phase 2 OTF Proposal]]
- [[Questions + Answers]]

Activities and Research

- [research published on our blog](#)
- [[FDroid Audit]]
- [[Auditing Existing APKs]]
- [[Bootstrapping Trust]]
- [[Local Data Transfer]]
- [[OTRDATA Integration Plan]]
- [[trustedintents:Wiki|Trusted Intent Interaction]]
- [[Chained TLS Cert Verification]]
- [[Signing the Local APK Index]]
- [[Improving the APK Signing Procedure]]
- [[“Swap” apps]]
- [[Swap over bluetooth (in development)]]
- [[Ideas for the Next Phase]]

Related Discussions

- posts on our blog: <https://guardianproject.info/tag/bazaar/>
- posts on the FDroid forum: <https://f-droid.org/forums/tag/bazaar/>
- [[Oct 23rd IRC Scrum log]]
- [[Nov 21st IRC log about identifying repos]]
- [F-Droid and decentralized trust convo on twitter](#)
- [[OpenITP UX Hackathon - Cydia/Community Notes]]
- [[March 26th IRC Scrum log]]

Code Repositories

- [FDroid Android client](#) - the Android app store
- [FDroid server tools](#) - the tools for managing app repos
- [androidobservatory](#) - website to present information about APKs

Relevant F-Droid Issues

Whenever possible we should try to frame our work in terms of the F-Droid development process. If we can fix issues in F-Droid by submitting the functionality that we need for Bazaar, then its a win-win.

- [Resumeable downloads?](#) - p2p and tor will mean lots of flaky connections
- [Repo as virtual category in client](#) - we will need a way to represent what is on the device on the other side of a p2p sync
- [backgrounding apk download](#) - downloading via Tor and OTRDATA could be slow
- [Method for suggesting users uninstall an apk](#) - if an APK proves to be compromised, it should be able to be revoked and the client should recognize that

Design Assets

Starting Point

Wifi-QR/IP screen: s3_wifi_QR.ai (attached)

These documents cover the UI for all of the design we've discussed as of May 30th, 2014. I've labeled them as p01 for 'phase 1'.

Illustrator file: swapUI_p01.ai

Images of each screen (22 total): swapUI_p01.zip

Diagram of the swap workflow and an outline of the other UI components: workflow_diag_p01.pdf

*Phase 2 Design

SVG files are attached below as 'swap_p2_v1.zip'

Files

s3_wifi_QR.ai	317 KB	05/26/2014	carriestiens
swapUI_p01.zip	1.28 MB	05/30/2014	carriestiens
swapUI_p01.ai	2.46 MB	05/30/2014	carriestiens
workflow_diag_p01.pdf	1.76 MB	05/30/2014	carriestiens
swap_p2_v1.zip	12.3 MB	06/16/2015	carriestiens
swap_p2_v2.zip	23.4 MB	09/15/2015	carriestiens