THE GUARDIAN PROJECT
https://guardianproject.info
people behave differently when being watched
we put privacy first
privacy through user experience
modern design with privacy is possible
F-Droid

an Android app store that only distributes verified Free Software
F-Droid has solid security

• only HTTPS connections
• pinned TLS certificate
• signed metadata (e.g. Debian apt model)
• offline signing machines
• Android APK signatures secure updates
inspired by Debian GNU/Linux
trust requires difficult decisions
make computers verify
to rely less on trust
funded by
what most app stores know

• your login/account
• everything you search for in the app store
• everything you look at in the app store
• everything you download, install, uninstall
• which apps you launch and use
• where you are
• your preferred language
• and more...
What must app stores know?
how to give you the files you request
how to give you the files you request

• app indexes
• app descriptions and icons
• the app itself
• the client does the rest
garbage in means garbage out
reproducible builds!
now it is secure

• targeted attacks very difficult, even if f-droid.org fully collaborates
• anyone can verify the builds using F-Droid verification server or other methods
• software publicly audited by Cure53
• you do not need to use f-droid.org
chain of trust from source code to your phone
getting apps, no matter what
coming soon!

- all implemented, now we are polishing it up
- media handling (audio, video, e-books, etc.)
- “collateral freedom” support (github, S3)
- app store “curation” tools
There are many threats.