

Project Proposal NFC Droid

With this app users will be able to read and write NFC-Tags. By tapping a NFC-Tag at the back of an Android smartphone, the tags profile will be stored on the phone. Alternatively users will be able to create custom NFC-Profiles by entering text, a URL, a app to start, loading their contacts into a profile (dangerous permission), downloading profiles from a web server, etc. .

It will be possible to take many actions with profiles, namely: delete, write to tag, emulate.

Different protocols (e-passport, debit-card, ...) might be also be implemented, depending on their complexity and availability of specifications.

API

Users will be able to save their NFC profiles to a custom server.

GUI

Slideshow

When users start the app for the first time a slideshow will appear:

HELLO



[Next](#)

Profiles Tab

NAME

details
manufacturer

date



DETAILS

...

EXPORT

WRITE TO TAG

EMULATE

Profile Detail Screen

import
link
app
text
...

Custom Profile Screen

Scan Tab



Profiles



Scan



Settings

Tap a NFC card against the phone



Profiles



Scan



Settings

Details

SAVE

Settings Tab



Profiles



Scan



Settings

Appearance

Theme

Other

History

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