lab10 - Research #80

Privacy Box / Social Box

25.04.2017 14:42 - didi

Status:	Rejected
Priority:	Normal
Assignee:	

Description

This is what a privacy box could offer:
User perspective:

- Make technology approachable with human senses (tangible, visible, probably also audible). Example: Freedombox LEDs visualizing specific kinds of interaction.
- Simple metaphor: My box, my digital data, identity, money.
- Generate *Internet money* by providing resources (Storage, Computation, Transfer)

Tech perspective:

- Always-on and pretty secure node representing a human
- Backbone for Dapps
- Infrastructure for resilient Mesh networks

Investor perspective:

- Selling Hardware is a known business case
- Enabler of new business models (e.g. ZKP based services)
- Good marketing vehicle

History

#1 - 25.04.2017 14:42 - didi

- Description updated

#2 - 25.04.2017 14:54 - didi

Applications:

- Backups of all kinds (most importantly: Cloud alternative). Difference to NAS: automatic redundancy and distribution (not lost if house burns down).
- Identity. E.g. hosting of key shares (own and peer's) for recovery.
- Personal data. Can hold e.g. all kinds of history, medical records, one day the genome etc. Selective disclosure to 3rd party, e.g. via ZKP.
- *Real* digital social network (instead of emulation via 3rd party) - representing a web of trust.
- Personal bank: secure own and friend's assets.

Especially sensitive data may be additionally hardware protected, e.g. by making it available only via interaction with an USB dongle (e.g. Ledger).

Idea: what about designating it *social box*?

The functionality may be broken down into 2 pieces:

- Personal + those close to me (social)
- Public (commons)

Should be technically reflected by having max. separation (ideally: Hardware) between them.

Public: Provide resources to Dapps, be an economic agent.

#3 - 25.04.2017 14:54 - didi

- Subject changed from Privacy Box to Privacy Box / Social Box

#4 - 12.07.2017 19:51 - didi

- Status changed from In Progress to Rejected

moved to https://code.lab10.io/graz/PPs/issues/3