

OpenUDC

Overview - 2011-07-13

OpenUDC project

- define open protocols and standards which permit:
 - exchanging new currencies
 - ... and trough Internet without third party.
 - applying universal monetary dividend.
- provide open-source software implementations of them.

Background

- Plenty, free software, gift economy ... How to make the backer get in ?
- Money as a debt (Paul Grignon video).
- Social Credit (C.H. Douglas, Louis Even).
- ...

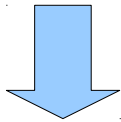
Historical system vs OpenUDC

- Money is like a compressible fluid.
 - whose circulation is crap
 - which leaks from everywhere
 - were taps (compressor) only benefit private interests.
- Like incompressible powder
 - same pipes for all
 - known and controllable leaks
 - extracted powder benefit each individuals.

Bitcoin vs OpenUDC

- High anonymity

- Proof of Work

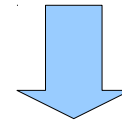


- CPU-based

- Limited creation
(Ponzi scheme in time)

- Very low anonymity*

- Web of Trust



- Human-based

- Allows fairness in the
time and space

*: improvable

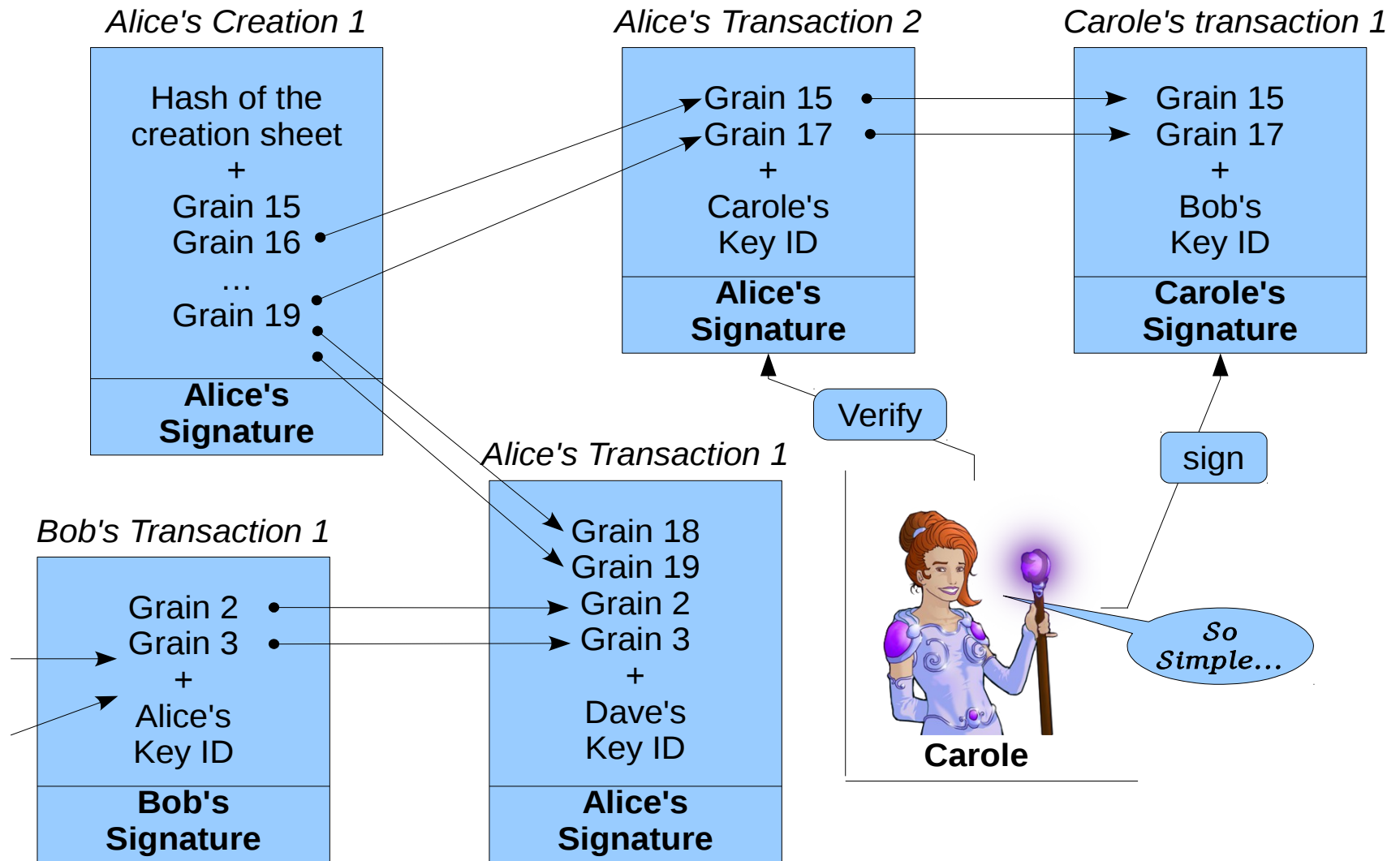
How it works ?

concept 1: creation sheet

- The money creation is described in a sheet which :
 - Contain a list of individuals in a same Web of Trust.
 - Say which powder grains each individual may create.
- The sheet is valid and powder grains are usable when the community decide it.
- ... It may be for example when $2/3$ of individuals in the previous list create their grains and publish them.

How it works ?

concept 2: signed transactions



How it works ?

concept 3: publication

- Each transactions are published to prevent double spending.
- Reminder: it is NOT anonymous !
- Publication servers which replicate their data (CouchDB).
- Hoping that one day, mature implementations of the distributed, free and secure worldwide storage (taho-lafs, syncany, wuala...) will allow to bypass publication servers.

Why using OpenPGP ?

- It does the needs:
 - Web Of Trust
 - Signature
- It permit much more
 - Signing and encrypting email, documents.
 - HTTPS, SSH. (RFC 6091, monkeysphere).
 - Confident e-vote.
 - Reliable Social Network.

How to get in ?

- 1 – Create an OpenPGP certificate.
- 2 – Containing your udid2 (made from the informations which make you unique).
- 3 – Enlarge and enforce your Web Of Trust ; i.e. verify and sign other identities (e.g.: Key signing parties).
- 4 – Subscribe to a community using OpenUDC which reach your web of trust (and vice-versa).

(Demonstrations...)

- GnuPG
- Creation
- Transaction
- Accounts
- Leaks

OpenUDC, What else ?

Join Us

- Website: [Http://openudc.org](http://openudc.org)
- Mailing list:
<http://groups.google.com/group/open-udc>
- Chatroom Jabber/XMPP:
<open-udc@muc.jappix.com>

Special thanks

- Philip Zimmermann
- Werner Koch
- Stephane Laborde
- People using and building “libre” softwares
- People trying to do good for humanity