

DEcentralised **C**itizens **O**wned
Data **E**cosystem



d e c o d e



Dr. Denis Roio – Jaromil @ Dyne.org

NESTA, Torino, 14 Dec. 2017

The logo for dyne.org, consisting of the text 'dyne.org' in a black, lowercase, rounded sans-serif font, with a thick black line drawing of a stylized, elongated shape below it.

Hacker community since 1994 – GNU/Linux/BSD

Internet based not-for-profit software foundry

Sustainable tech / Interdisciplinarity / Art & Science

Design with minimalism: UNIX principles

Community engagement

and empowerment

Can we be in control of our data
and the way it is managed and shared? Can it
be an easy and Portable standard?
Oh and... free and open source!



■ decode



Building blocks

- Attribute Based Crypto
- Certificate Transparency
- Distributed Ledger

DECODE NODE
[CONTROLLED EXECUTION ENVIRONMENT]

DECODE HUB
[Arduino]

DECODE OS
[A 'blend' of Devuan + Core packages]

DECODE CORE

**DECODE
APPLICATION
SMART RULES**

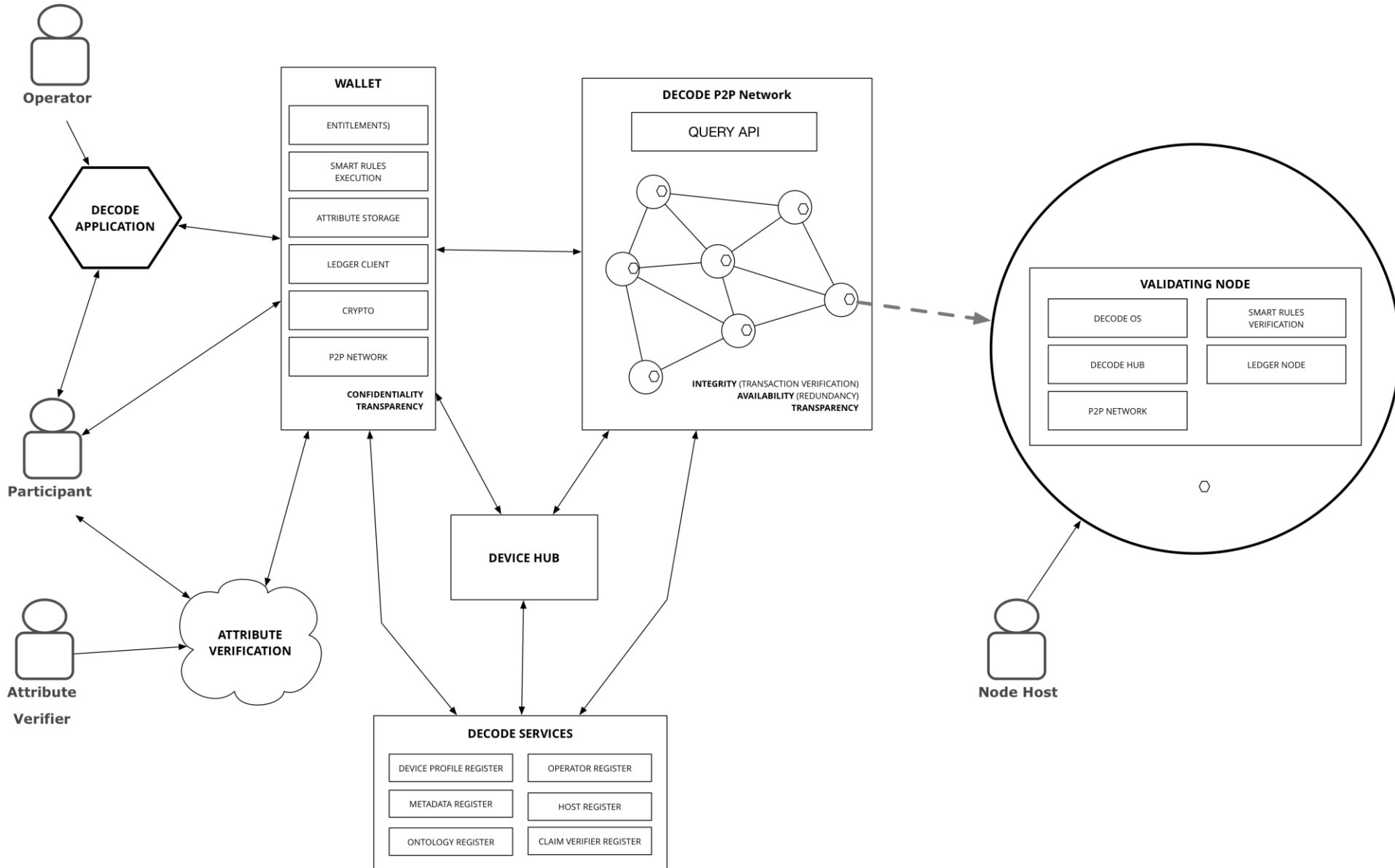
**DECODE
APPLICATION
SMART RULES**

**DECODE
APPLICATION
SMART RULES**

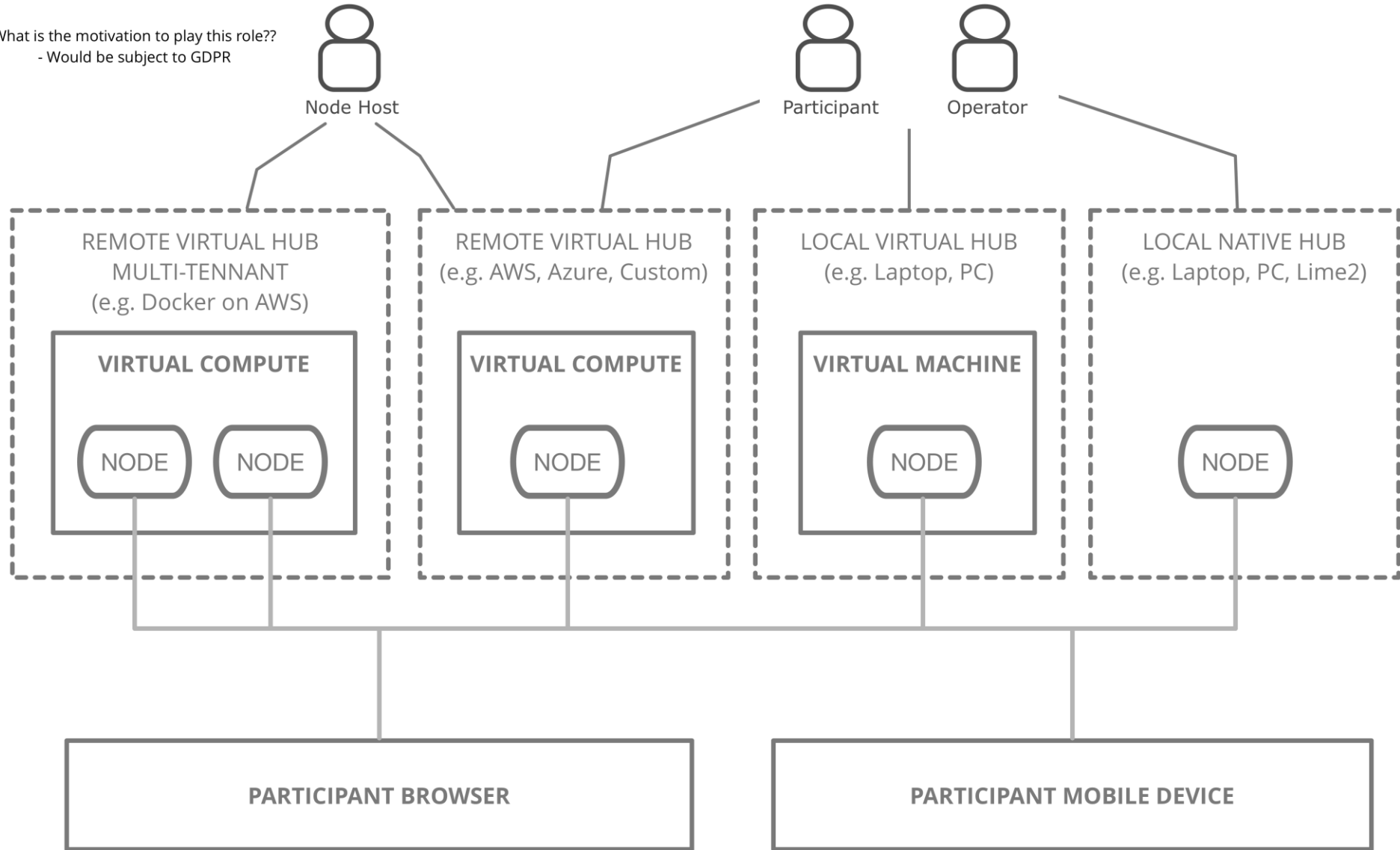
ATTRIBUTE VAULT
[Controlled access to
attribute data]

LEDGER
[Client access to distributed
ledger]

IOT CONNECTOR
[Provides connectivity to IOT
devices]



What is the motivation to play this role??
- Would be subject to GDPR





GNU+Linux Operating System
for distributed logical computing,
controlled execution environment.

Minimalist, resource optimised, fully documented, customisable and available
to run on virtual machines, bare metal and more than 20 ARM devices

...based on:

