

Decentralize Resource Identifier (DRI)

What it is and why we need it?

Contact:
robert.mitwicki@dativa.com



What it is?

- Use cases:
 - Schema base object and overlays (ODCA)
 - Public data

We are dealing with unify meta language, data structure.

- DRI
 - Immutable
 - Persitant
 - Interoperable
 - Decentralize
 - Trustful identifier

Why we need it ?

Content centric network → decentralize global storage

https://en.wikipedia.org/wiki/Named_data_networking

https://en.wikipedia.org/wiki/Content_centric_networking

User don't care where it is but what it is and eventually what is the source (e.g. who created it, to find out if he should trust it or not).

Why we need it ?

- Unit of language – nobody should control language.
 - Content is the most important
 - Nobody should have power to modify that content or control it
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- From IPDL docs:

Rather than referring to content by a string identifier or URL, content addressable systems refer to content by a cryptographic hash. This allows complete decentralization of the content as the identifier does not specify the retrieval method and provides a secure way to verify the content.

Why not?

- DID?
 - Unit of control – there is always a private key behind it who controls the DID document. How I can trust that entity?
How I can trust that DID won't disappear (won't be able to resolve to a DID document?)
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- URL?
 - We don't care about location but about the content
- Magnet?
IPFS?

In the wild

- Decentralize storage solutions

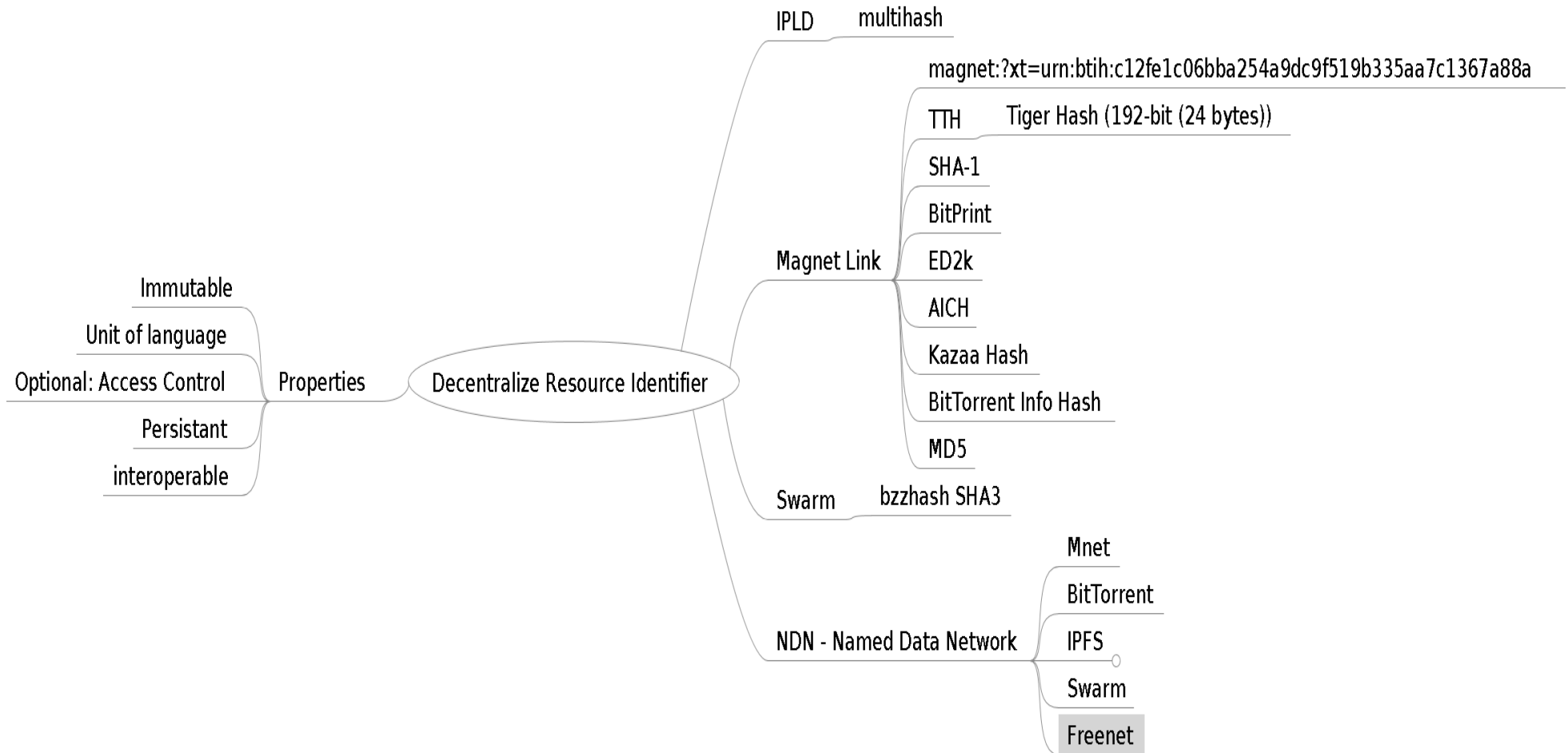
- The problem is not a technology, the problem is how to incentivize people to share their storage.
 - e.g. IPFS + Filecoin, Storj

- How torrent does that?

- the Robin Hood feeling
- **give and take, reciprocity**
- **identity building through social status and reputation online**
- **the perception of participating in something that makes the world better**
- **the positive feeling of sharing**
- frustration with how official products are delivered (e.g. the BS that you have to sit through at the beginning of a DVD)
- it is explicitly encouraged on many clients/sites (by default, torrent clients let you upload, you have to actively change this if you don't wish to upload)

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In the wild

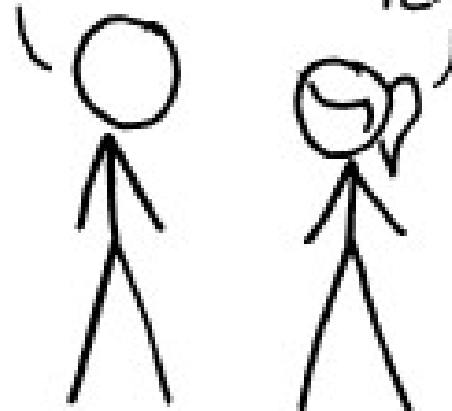


So many - ridiculous

HOW STANDARDS PROLIFERATE:
(SEE: A/C CHARGERS, CHARACTER ENCODINGS, INSTANT MESSAGING, ETC.)

SITUATION:
THERE ARE
14 COMPETING
STANDARDS.

14?! RIDICULOUS!
WE NEED TO DEVELOP
ONE UNIVERSAL STANDARD
THAT COVERS EVERYONE'S
USE CASES.



SOON:

SITUATION:
THERE ARE
15 COMPETING
STANDARDS.

DRI

- How it could look like:
- DRI:METHOD:MULTIHASH
 - Method – network
 - Multihash - Hash Type | Hash Value

dri:ipfs:QmZ4tDuvesekSs4qM5ZBKpXiZGun7S2CYtEZRB3DYXkjGx

dri:sov:80d4df5d89bad6454ea1491edaa80b8b

dir:ed2k:14997504|965c013e991ee246d63d45ea71954c4d

NOT SURE IF WE ARE FINISHED

**OR HAVE TO ANSWER
QUESTIONS**

makeameme.org