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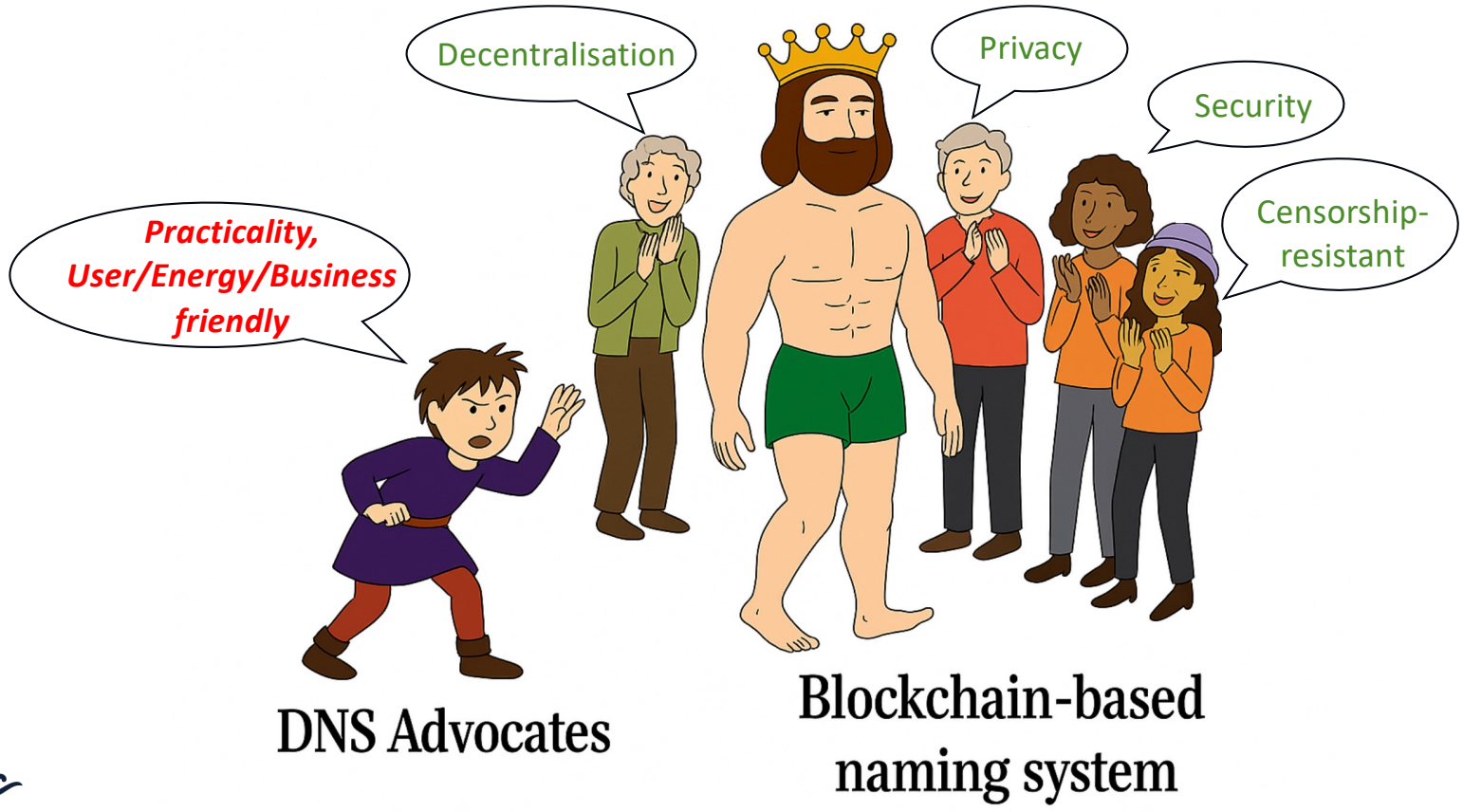
internet
made in france

CENTR Jamboree - May 22nd 2025

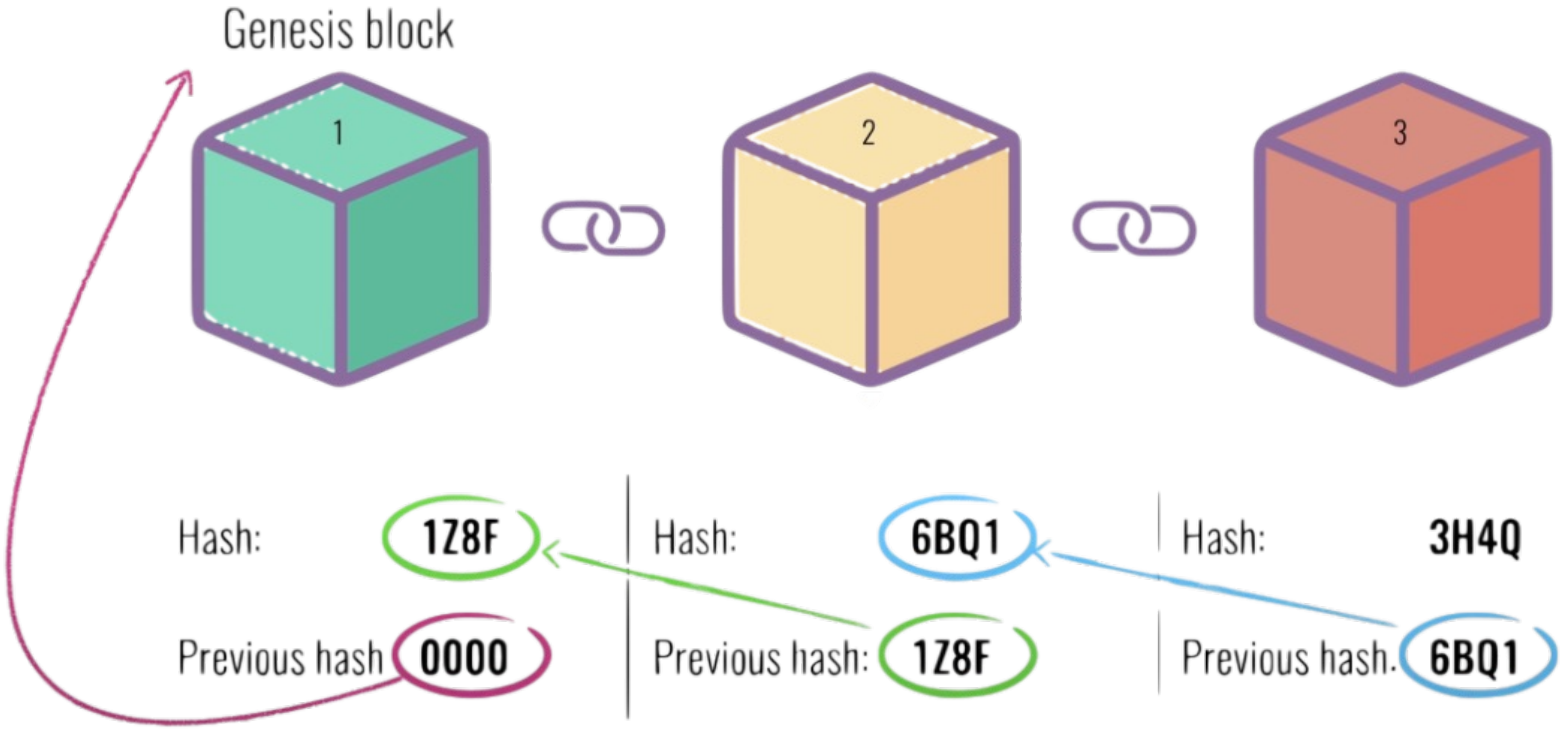
Blockchain name system – An Introduction

- Sandoche BALAKRICHENAN

DNS is doomed, replace it with blockchain: *The Emperor's new clothes*

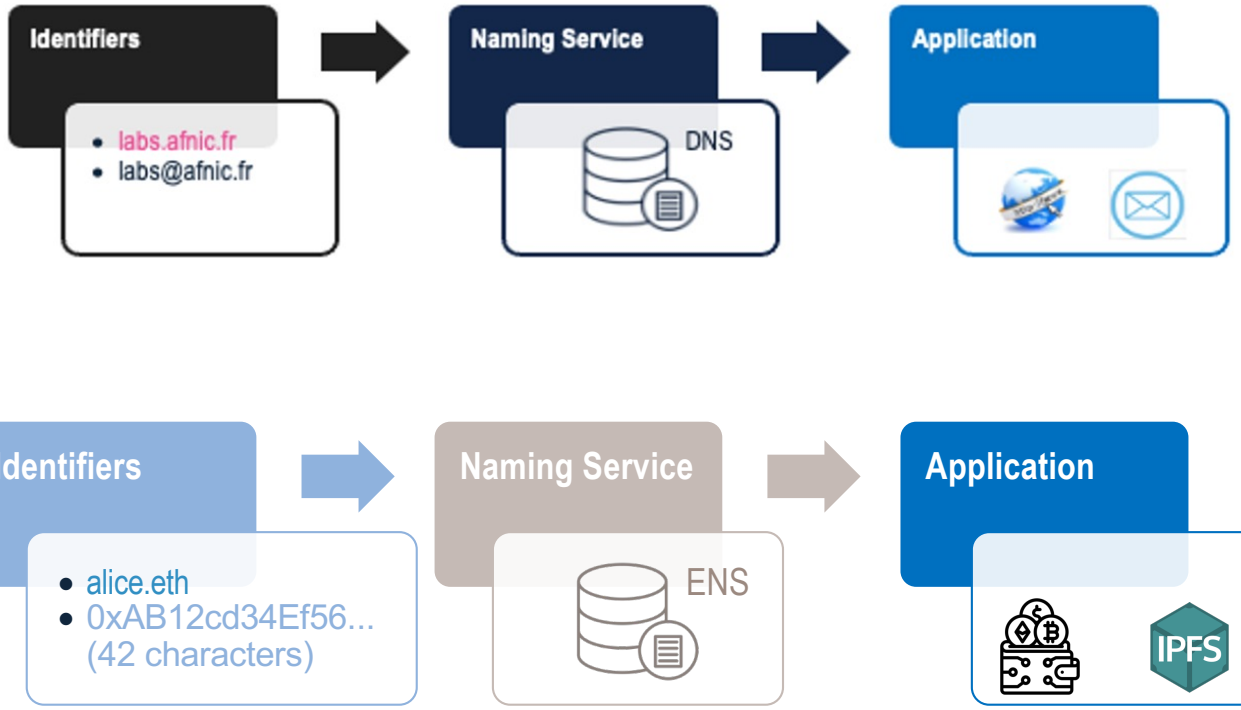


Blockchain – *What is it?*



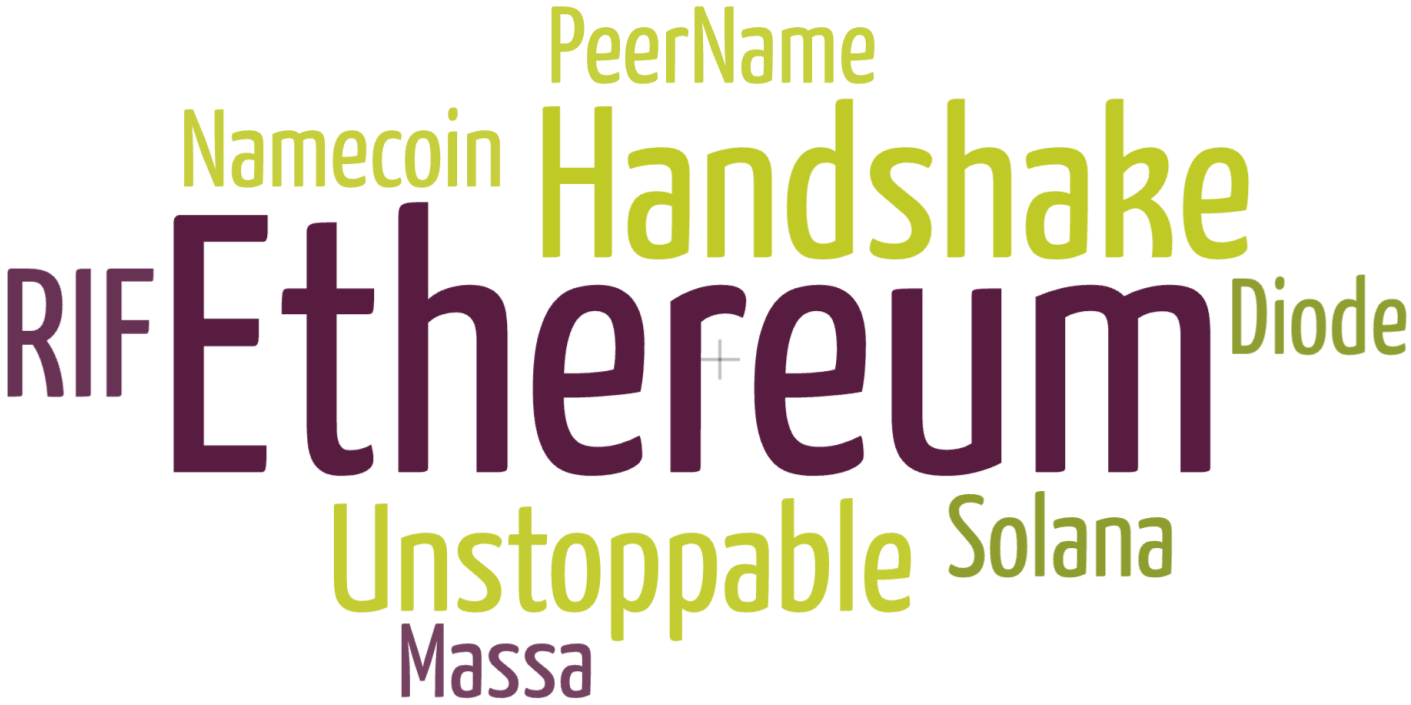
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Blockchain Name System – *A basic comparison with DNS*



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Blockchain Name Systems



Name Collision – *The Focus*

> gTLD round 2012

- *'printer.home', 'user.corp'* were used internal DNS suffixes by corporations
- Applications were received *for '.corp', '.home', '.mail'* etc.
- ICANN withdrew them from the gTLD application process due to these risks

> gTLD round 2026

- *'.wallet', '.crypto', '.nft'* could apply for being gTLDs
- Do we need to study the name collision risk?

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Data sources

- ICANN Zone files (Active gTLD data)
- ‘.fr’ zone (accessible as open data)
- 6 Blockchain Name System
  - 11.6 M blockchain identifiers (4.7M Top-level, 6.9 Second-Level registrations)

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Methodology

> Existing gTLD collision

> Second level collisions (‘.fr’)

> Potential new gTLD collisions

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gTLD collisions

> Freename – 8 *(.free, .visa, .netflix, .gucci, .godaddy, .nike, .porn, .online*)

> DecentraName – 4 *(.ing, .music, .kids, .realtor*)

> Handshake – 1 *(.desi*)

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Second Level collision (‘*.fr*’)

Prefix	Provider	Total Registrations
crypto	DecentraName (DNAME)	150
escortgirls	Freename Domains (FNS)	149
wayne	DecentraName (DNAME)	123
buy	DecentraName (DNAME)	121
nft	DecentraName (DNAME)	120

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Potential new gTLD collisions

TLD	Provider	Zone Chain	Registrations
nft	Unstoppable Domains (UD)	POLYGON	754,062
crypto	Unstoppable Domains (UD)	POLYGON	719,465
wallet	Unstoppable Domains (UD)	POLYGON	565,362
blockchain	Unstoppable Domains (UD)	POLYGON	263,280

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Thank you for your attention

Do not hesitate to reach out

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Special thanks to DNSRF Team

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