# ENS ETHEREUM NAME SERVICE X 3ID WEB3 IDENTITY FOR EVERYONE

NiliN

M Ali Asef Siavash Tafazoli

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Development Department

ENS Ecosystem and Community

#### 3ID.ONE

3ID, Web3 Identity for Everyone

#### **3ID SHOWCASE**

Protocol

Mint Your Free Web3 ID!



### **SIAVASH TAFAZOLI**

Co-founder and CEO at NiliN Co-founder at 3ID



# **ABOUT US**



**M ALI ASEF** 

Blockchain Engineer at NiliN Co-founder at 3ID



@Mohadli

# WHY WEB3ID?

- Human readble names avoid mistakes
- Simplicity and enhanced UI
- Web3 credentials
- Decentralized ownership
- Future-Proofing Your Digital Identity



vitalik.eth 🤡 @VitalikButerin · Jan 3

All L2s should be working on (trustless, merkle-proof-based) CCIP resolvers, so that we can have ENS subdomains registerable, updateable and readable directly on L2s.

ENS is super-important, it needs to be affordable!

# **WEB3 IDENTITY SECTOR IS BOOMING**



# O1 BACKGROUND

An Introduction to DNS and DID



SUB-DOMAIN



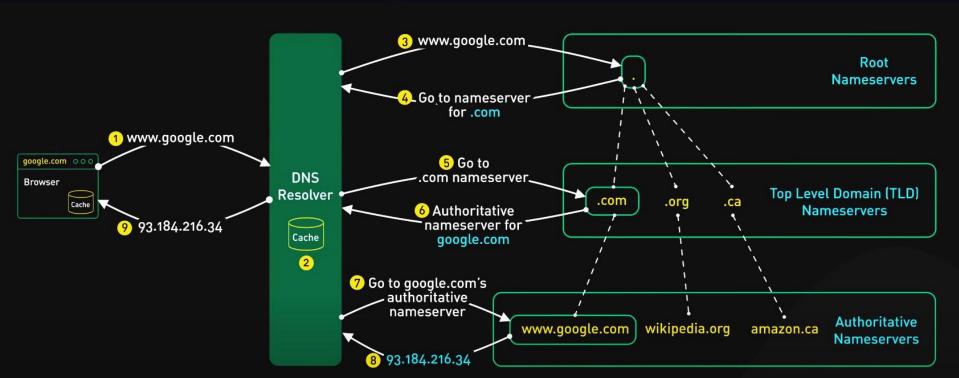












# **DNS RECORDS AND SETTINGS**



Adress



**CNAME** 

Canonical Name



MX

Mail Exchange



**TXT** 

**Text for Verifications** 

Туре 📤	Name	Content	Proxy status
А	3id.one	76.76.21.21	<b>→</b> Proxied
CNAME	www	cname.vercel-dns.com	<b>→</b> Proxied
MX	3id.one	eforward 5. registrar-ser(	20 DNS only
TXT	3id.one	ENS1 dnsname.ens.eth 0x	5 DNS only



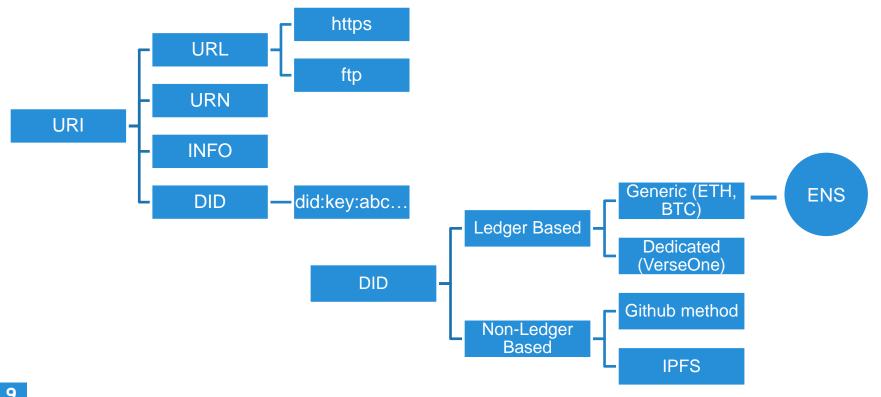
NS Name Server

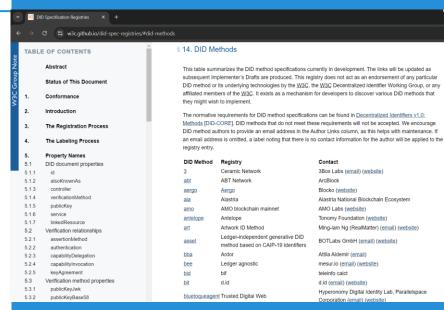


**DNSSEC** 

**Domain Security Extensions** 

# ETH ADDRESSES FROM DID STANDPOINT





#### WHAT IS DID

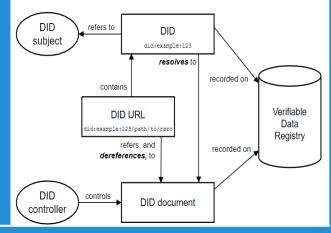
Globally unique identifiers made up of a string of letters and numbers

# UIL

# Decentralized Identifiers

#### **PROBLEMS WITH NON-DID IDENTIFIERS**

- Website, Email, ORCID
- Depends on a host name or a databse, single point of failure, not cryptographically verifiable, Some can't resolve additoinal records



# O2 ENS

**Ethereum Name Service** 

# ENS PROFILES



### **ENS**

Shown on all ENS compatible platorms



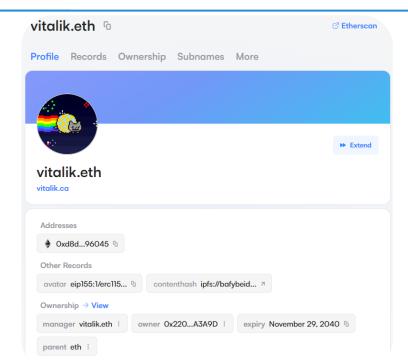
### **RECORDS**

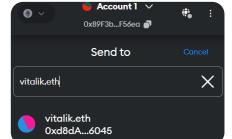
URL, Social Media, Content Hash, Avatar etc.



## **OWNERSHIP**

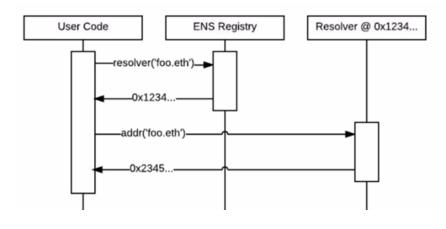
Manager, Owner, Parent







## **HOW ENS WORKS**



https://docs.ens.domains/learn/protocol

PROTOCOL

ENS Domains and \$ENS

**DNS NAMES** 

Turning DNS
Domains to ENS

**RESOLUTION** 

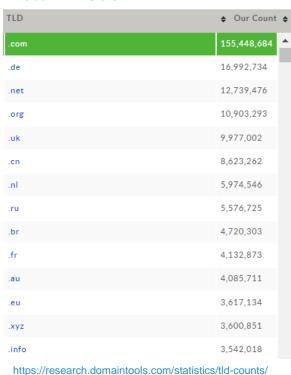
Default and custom resolvers

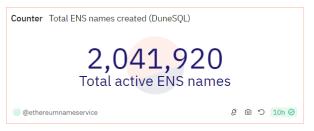
**L2 AND OFFCHAIN** 

Resolving ENS data from L2 and offchain databases

# **ENS VS. DNS STATS**

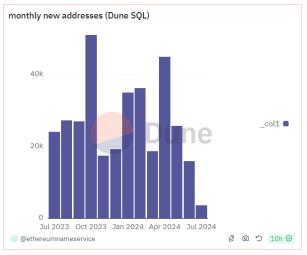
#### Total = $\sim$ 360M

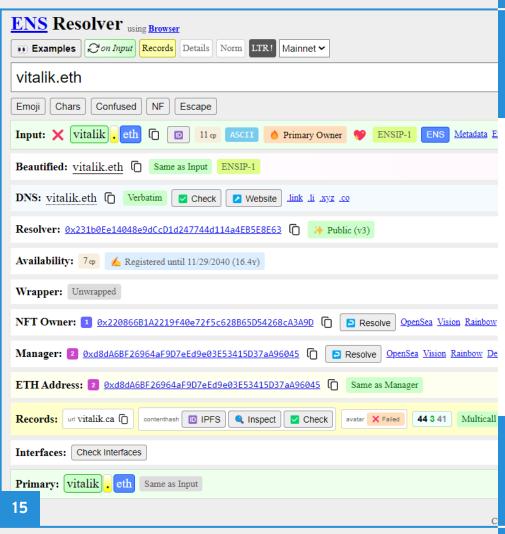










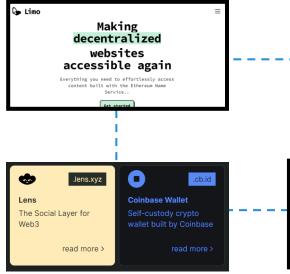


# ENS RESOLVES IN DETAIL

https://adraffy.github.io/

#### LIMO

Using .ETH ENS as a .ETH.LEMO Website

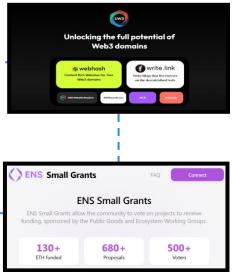


#### **COINBASE WALLET**

Providing offchain domains using CCIP

#### **1W3**

Linktree-like web pages for ENS domsins



#### **ENS GRANTS**

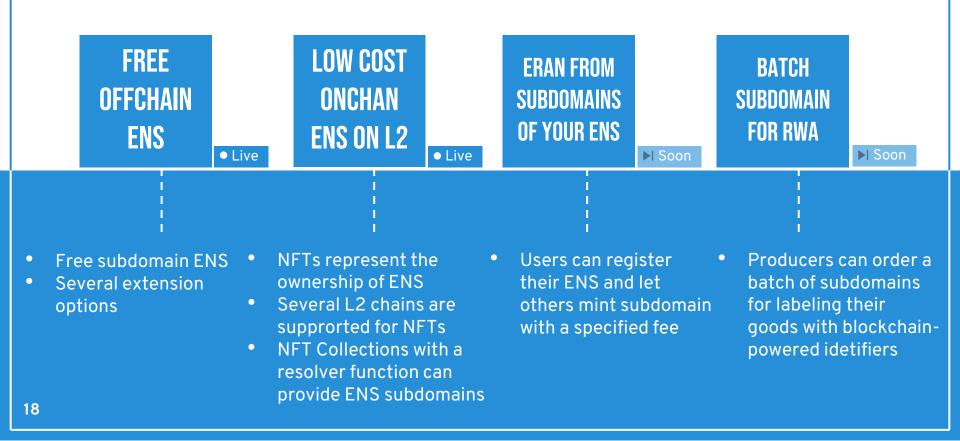
ENS DAO and Small Grants

# **ENS ECOSYSTEM**

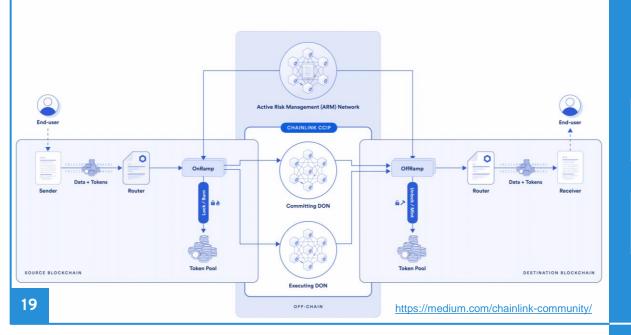
# 03 3ID.ONE

Web3IDentity For eveyOne

# **3ID.ONE SERVICES**



# 3ID.ONE UNDERLYING TECHNOLOGIES





## **CCIP READ**

Chainlink Cross-Chain Interoperability Protocol



### **LAYER 2 SOLUTIONS**

Optimism, Linea, Scroll, Arbitrum Infrastructure



#### WAGMI

Wagmi and Rainbow kit React tools and libraries



### **PINATA IPFS**

Storing NFTs Metadata on Decentralized Storage



## **CLOUDFLARE WORKERS**

Cloudflare Workers and D1 Database, DNS management for enabling DNSSEC of DNS names

# **OUR ROADMAP**

PHASE 1 Q2 2024 Free Offchain ENS Subdomains

 Onchain ENS Subdomains with L2 NFTs

PHASE 2 Q3 2024  ENS registration feature for users who want to earning from selling subdomains

 Batch subdomain for product producers (0-8.xyz)

PHASE 3 Q3 2024

 Onchain L2 subdomians with decentralized logic (Currently functions with a trusted flow)

PHASE 4 Q4 2024

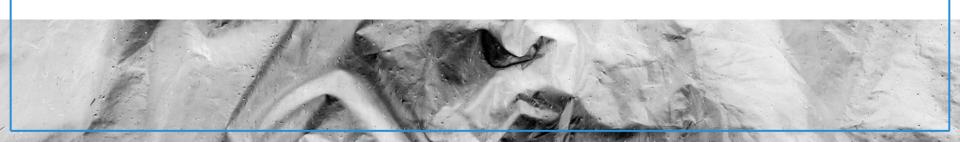
Exclusive L3 app chain



# 3ID VS. SOME WEB3 DOMAIN PROVIDERS

	3ID.ONE	OPTINAMES	ERA.NAME	COINBASE
Domains are resoled by ENS and Metamask		$ \checkmark $		$ \checkmark $
Several domain extension options	$\Diamond$			
Several chains for minting the resolver NFT	$ \checkmark $	$\approx$		
Free web3 domain option				
multiple records and custom records			$\approx$	$\approx$
Subdomain Marketplace				





# **THANKS**

Do you have any questions?

@HI3ID at Telegram

CREDITS: This presentation template was created by **Slidesgo**, including icons by **Flaticon**, and infographics & images by **Freepik**.