State of the ENS

Devcon 6 Bogota

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ENS Swag!

Sign up at swag.ens.domains

Come to our booth on Level 3 to collect yours
Agenda

1. Recap
2. Thorin: ENS’s new look
3. Scaling ENS with EIP-3668 & EIP-5559
4. The Name Wrapper & other beasts
5. Zero-gas DNS integration
6. Conclusion
Recap
When we last left our heroes...
Time-skip to the present day
## ENS Growth Since 2019

<table>
<thead>
<tr>
<th></th>
<th>October 2019</th>
<th>October 2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>Integrations</td>
<td>34</td>
<td>507</td>
</tr>
<tr>
<td>Active Registrations</td>
<td>310,000</td>
<td></td>
</tr>
<tr>
<td>Unique Addresses</td>
<td>96,000</td>
<td></td>
</tr>
<tr>
<td>Registration Years</td>
<td>66,700</td>
<td></td>
</tr>
<tr>
<td>ENS Treasury</td>
<td>382Ξ</td>
<td>38,382Ξ</td>
</tr>
</tbody>
</table>
DNS Integration for everyone

- 1331 / 1486 TLDs (89.5%) support DNSSEC
- Every one of them can be used in ENS
- Just ask luc.computer
ENS as your web3 identity

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SIWE

The result of a joint grant from ENS and the EF

Now a major part of web3!
ENS DAO

- Over 30 proposals passed
- >11k onchain voters
- >800 MAU
- 3 active WGs
- Grant Programs

Introducing $ENS →

Help decide the future of ENS

With the launch of $ENS and the DAO, the community will be empowered to govern the ENS protocol.

Connect wallet

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Public Goods Round 2

The Top 5 voted proposals of this round get 1 ETH each

Voting closed 4 days ago

Projects eligible for the Public Goods small grants rounds have a broader scope that benefits the entire Ethereum or Web3 space.

Applicable projects should not be ENS-specific but may include ENS functionality. An example is etherJS, a developer library that has utility throughout Web3, not only for those building with ENS.

- **Revoke.cash**
  - 1M votes
  - kalis.eth
  - 2 weeks ago
  - Helping you stay safe in web3

- **Override Snapshot Strategy**
  - 970.5K votes
  - seraenae.eth
  - 2 weeks ago
  - Allows delegates to override their delegates on Snapshot votes

- **Dappnode Builders Guild**
  - 765.6K votes
  - naibsku.eth
  - 1 week ago
  - The Dappnode Builders Guild is a small sub-DAO that listens to users requests and tries to build and support various packages for the Dappnode community.
DAO Highlight

Public goods funding

- 200k ENS to Protocol Guild
- $169k GitCoin Matching Pool
- Over $400k in grants last quarter
DAO Highlight

New normalisation function replaces UTS-46.

😄👍
Community Projects

ethleaderboard.xyz
Community Projects
ens.vision
Community Projects

nimi.io
True Names Limited

↓

ENS Labs Limited
Thorin: ENS’s new look
Web3-first design

- Faster
- Mobile-friendly
- Better UX for new and experienced users

alpha.ens.domains

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ENS Design System (alpha)

Design system for ENS built with React and styled-components.

Install

```bash
yarn add @ensdomains/thorin
```

Set Up

Wrap the root of your app in a `ThemeProvider` module. Import `ThorinGlobalStyles` and declare it as a child of `ThemeProvider`. Import `lightTheme` or `darkTheme` and pass it to the `ThemeProvider`. Add `Satoshi` to your font stack.

In this example we are adding the `lightTheme`.

```javascript
import React, { useState } from 'react'
import { ThemeProvider } from 'styled-components'
import { ThorinGlobalStyles, lightTheme } from '@ensdomains/thorin'

const App = () => {
  return (
    <ThemeProvider theme={lightTheme}>
      <ThorinGlobalStyles />
    </ThemeProvider>
  )
}
```
Scaling ENS
With EIP-3668 and EIP-5559
CCIP-Read / EIP 3668

Store data offchain with:

- No new trust assumptions
- No client knowledge of the system in use
- No L1 commits on update
- No transactions for queries
- No hard requirements on the L2’s capabilities

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Client

Resolve name.eth

Go ask gateway.xyz

Resolver says 'halp'

Give this to Resolver

Gateway said to give you this

name.eth resolves to 0x...
CCIP-Read in the wild

- EIP-3668 is final
- Supported in ethers and web3.py
- Supported in major apps too: Metamask, Coinbase, Etherscan
- Not just for ENS!
Coinbase <-> ENS
Issuing .cb.id names via CCIP-Read

Claim your cb.id username
Lens ↔ ENS

Lens ENS bridge via .lens.xyz
EIP-5559: Write Deferral

In collaboration with Coinbase

- Write via L2/Sidechain
- Write via signed message
The Name Wrapper and Other Beasts
The Name Wrapper

Problem:

- .eth 2LDs (eg foo.eth) are ERC-721 NFTs, but other ENS names aren’t
- Trustlessly issuing subdomains is possible, but awkward

Solution:

- The Name Wrapper makes all names ERC-1155 NFTs
- **and** facilitates trustless uses of ENS
Can Transfer
Can Set TTL
Can Set Resolver
Can Create Subdomains
Can Replace Subdomains
Can Unwrap
Can Burn Fuses
Can Set TTL
Other Beasts: Contract Improvements

- **New .eth registrar controller**
  - Improved gas efficiency
  - Bulk record setting at registration time
  - Set primary name at registration time

- **New reverse registrar**
  - New events for better Graph support etc
  - Contract owners can claim on behalf of contracts

- **New public resolver**
  - Support for clearing all records via versioning mechanism
CCIP-Read + DNSSEC = Zero-Gas DNS
DNSSEC Overview

- Zones are signed using a chain of trust, like SSL/TLS
- Special records are used to store keys and signatures - DS, DNSKEY, RRSIG, etc
- ENS’s DNS integration uses this to verify claims of ownership
CCIP-Read to the rescue

What’s DNS if not a large offchain database with cryptographic proofs?
Wrapping Up
Get involved in Governance

https://ens.domains/governance/
Thank you