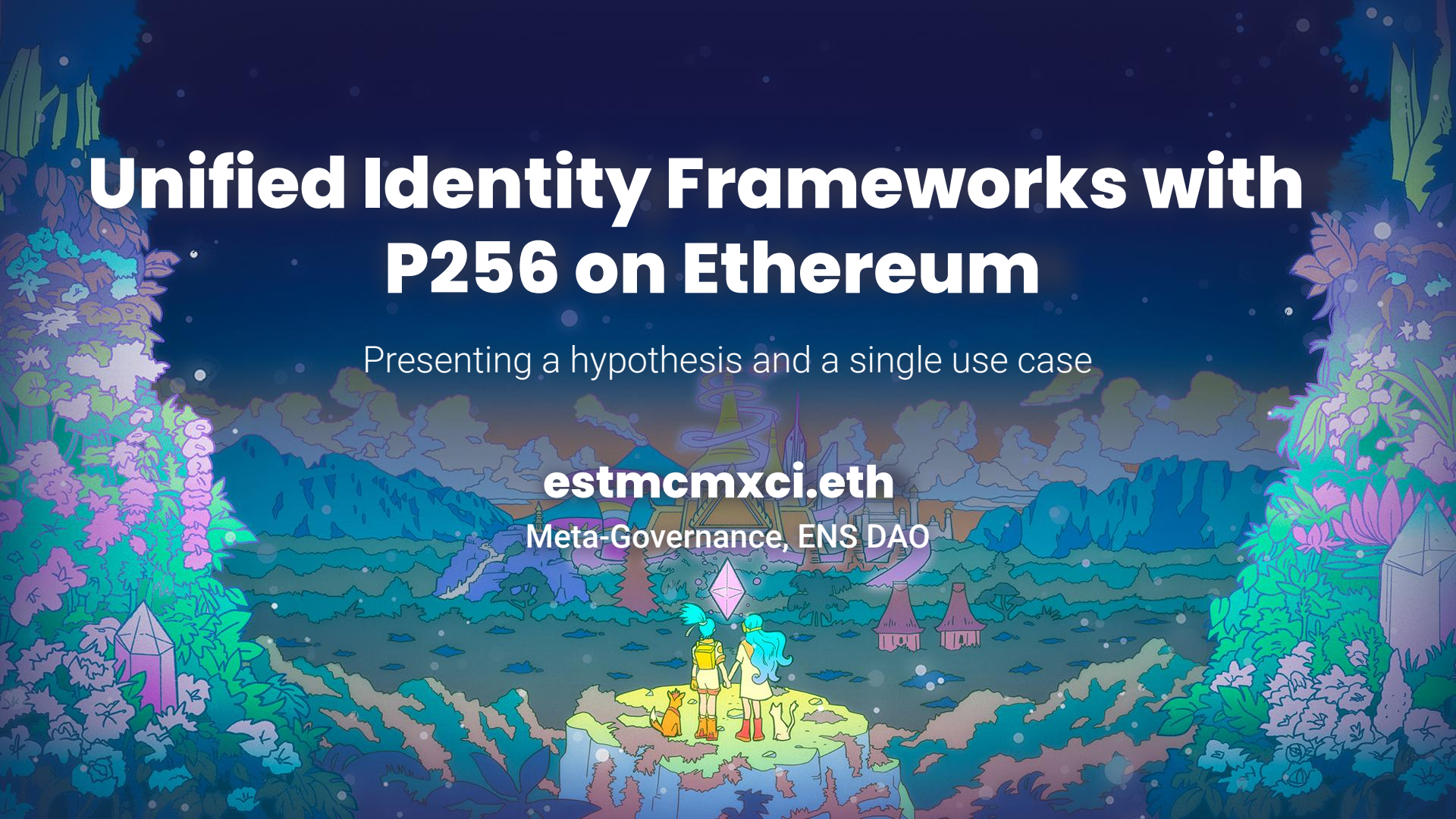


Unified Identity Frameworks with P256 on Ethereum

Presenting a hypothesis and a single use case

estmcmxci.eth

Meta-Governance, ENS DAO





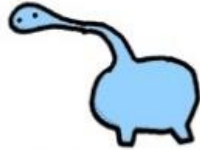
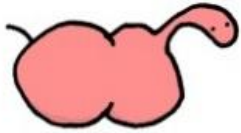
Problem: Digiphrenia

What is Digiphrenia?

Digiphrenia is the mental disorientation caused by managing multiple digital identities and timelines, leading to stress and a fragmented sense of self.

- Term: Digiphrenia, coined by Douglas Rushkoff
- Definition: Disorienting mental state from existing in multiple digital realities
- Causes: Managing numerous digital identities and juggling real-time/asynchronous interactions
- Effects: Stress, confusion, fragmented sense of self and time

SEROTONIN & DOPAMINE



Technically, the only two things
you enjoy

Toothpaste For Dinner.com

Serotonin & Dopamine

Digiphrenia's mental strain depletes dopamine and serotonin, leading to burnout, mood swings, and long-term mental health issues.

- **Digiphrenia's Impact:** Leads to depletion of dopamine and serotonin over time.
- **Cause:** Frequent switching between digital identities and fragmented attention strain brain systems.
- **Dopamine Effects:** Overstimulation depletes dopamine, causing dissatisfaction, burnout, and reduced motivation.
- **Serotonin Effects:** Chronic stress and lack of mental rest reduce serotonin, leading to mood swings, anxiety, and depressive symptoms.
- **Result:** Long-term mental demands disrupt neurotransmitter balance, impacting mental health and well-being.

**Digiphrenia is endemic
to our terminally online
generation.**

Fragmented identities are bad for your health

Digiphrenia's constant cognitive demands can harm mental health by depleting essential neurotransmitters like dopamine and serotonin, leading to burnout and mood disorders, which can cascade into other detrimental life effects such as relationship strain, decreased productivity, impaired decision-making, and an overall reduced quality of life.

||

Solution: Unified Identity Frameworks

A Unified Identity Framework

How can we put more choice and control over our identity back into our hands?

- More sovereignty
- More control
- Self-empowerment

Reclaim sovereignty by embracing a unified identity framework.

- A single-sign in option with Ethereum
- Sign in with your ENS
- Your ENS as an identity keychain

One Login to Rule them All

Imagine a world where your website serves as a verified, unified identity, seamlessly connecting with essential financial and logistical services like bill payments, credit card transactions, and secure messaging.

- **Unified Identity:** Your website becomes your verified, portable identity, recognized across platforms.
- **Integration with Services:** Seamlessly connects to services like bill payments, credit card transactions, and secure messaging..
- **Streamlined Access:** Log into email and WebAuthn-supported platforms using ENS for a unified experience.
- **Solution to Fragmentation:** Reduces the need for multiple logins, permissions, and data trails, connecting vendors, customers, and institutions.



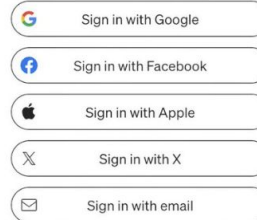
m @estmcmxci · Oct 23

This will be possible should the EVM include the P256 precompile, enabling onchain WebAuthn with ENS.



mely.eth @mely_jpg · Oct 22

Looking forward to the time when I can streamline all 10932843 different subscriptions under one ENS Profile ¹⁰⁰





Universal Logins with ENS

By using ENS as a universal identity, individuals gain a secure, seamless, and portable identity that consolidates fragmented digital profiles across platforms.

**ENS enables Unified
Identity Frameworks.**

III

The Approach: P256 in the EVM

‘Web3’ is not an island.

The path to 1 billion is actually easier than we’ve been led to believe.

Integrating P256 support in Ethereum enables secure digital identity, enhances compatibility with broader web standards, and expands Ethereum’s reach into new industries.

- **Unified Identity Framework:** Integrating Ethereum’s P256 precompile with DNSSEC and WebAuthn enables a secure, unified digital identity.
- **Extended Cryptographic Capability:** Enhances Ethereum’s limited cryptographic support, enabling interoperability with broader web standards.
- **Improved WebAuthn Compatibility:** Allows Ethereum to connect with systems using ECDSA with P256, supporting passwordless authentication.
- **Broader Industry Reach:** Enables Ethereum to support IoT devices and secure government communications, where P256 is the security standard.
- **New Industry Opportunities:** P256 support could help Ethereum break into sectors reliant on these standards, expanding its utility.

IV

Q&A

Prompts

- What is the P256 Precompile?
- What are current limitations of the EVM?
- What are the bottlenecks to its implementation?
- How can you get involved?

Message me:
t.me/estmcxmc

Thank you!

