Hypersign



Demo



The biggest hurdle faced by decentralisation is Adoption



We need a simple and secure method to bridge us from our existing centralised state to a fully decentralised state



"Hypersign enables humans, governments and companies to transition quickly and securely to decentralised environments using one identity across both environments"



Problem

CENTRALIZED

Weak Passwords

Relying on central
"trusted" party for ID
management

Password Sharing

causes loss of access to all apps in SSO

Credential
management is major
expense for corporates
[password reset calls]

Loss in revenue due to forgotten Passwords

Losing out on usability with MFA

Complex Password Policies

Social Engineering
Data breaches &
password hacks

Key management is expensive and creates Honey-Pots



Problem

DECENTRALIZED

User **Authentication** is a major challenge

No proper session management.

Lack of workflow management

Non Existent
Time-bound +
Multi-signature
protocols

Legacy models
username/password
management are still
being used.

Metamask is not user friendly and cannot scale to all types of application.

Lack of SSOs for Decentralised Platforms "Gap between Identity management of centralised and decentralised systems"



Hypersign

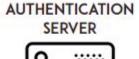
Hypersign is a cryptographic security and identity solution that enables users to access (Web, Federated and Decentralized) applications with a singular identity without providing their credentials.



Core-Components



[BIP32/39/44 compliant]



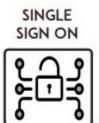


[Integrity & Authenticity]

MANAGEMENT PORTAL



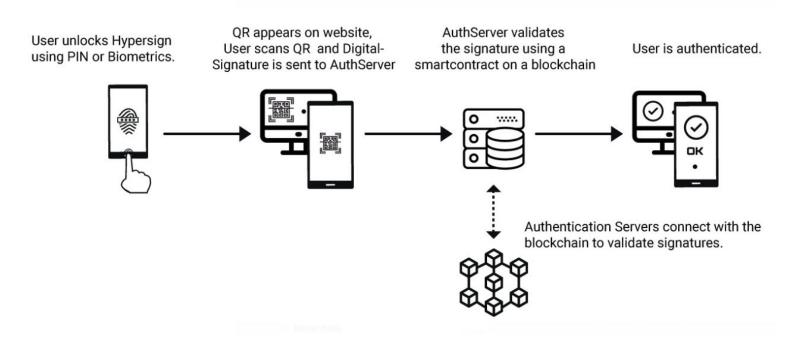
[Identity brokering]



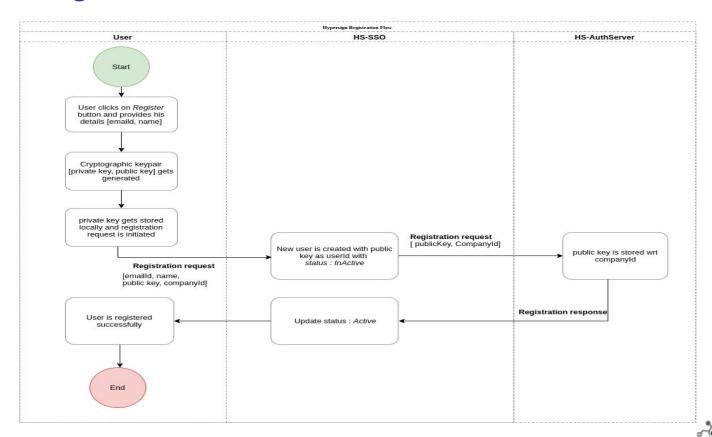




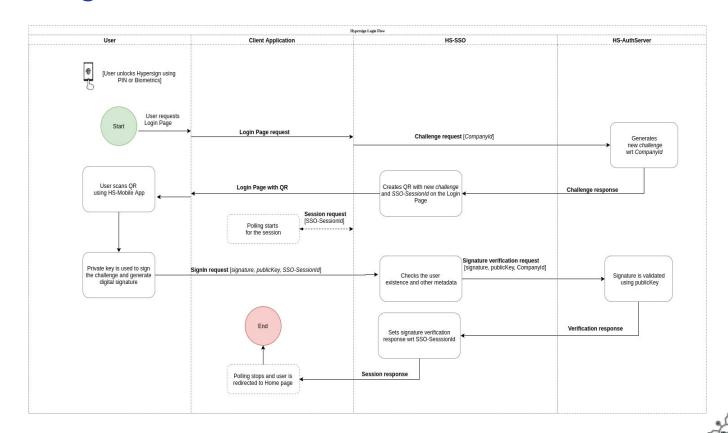
How does it works?



Registration



Login



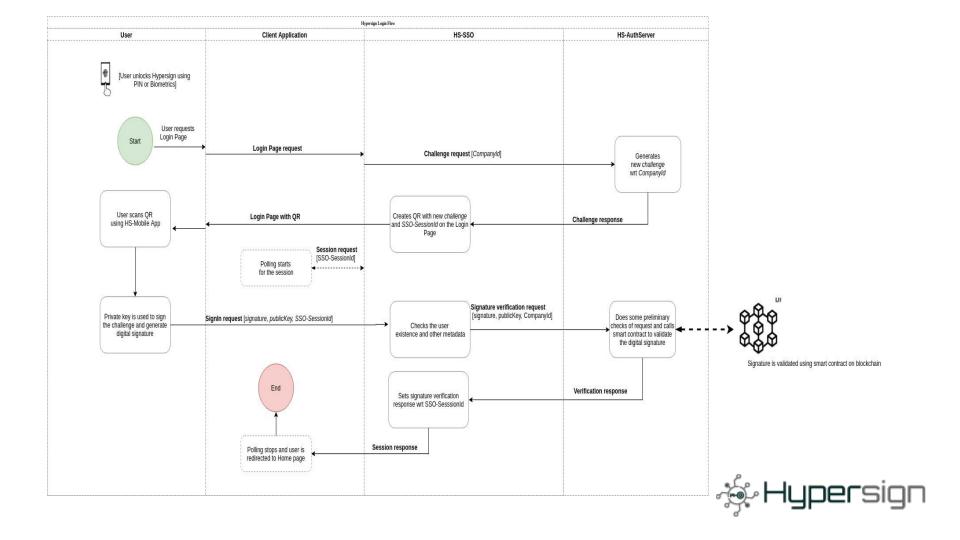
The transition - Centralised to Decentralised

The protocol validates a digital signature produced by an ECDSA algorithm in a mobile device [HS-Mobile App]. The Authentication Service [HS-Auth] is a smart-contract deployed on a Blockchain [or any other decentralized platform] and does not rely on a central authority for verification.

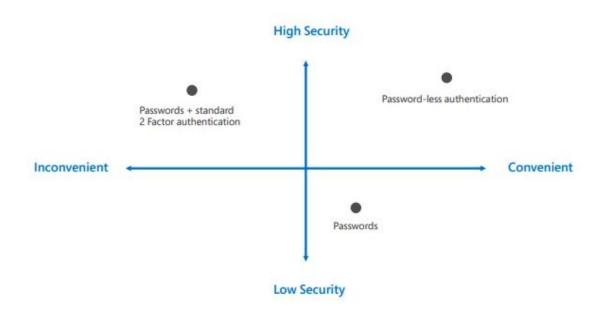
SIMPLE LOW COST RAPID END-2-END TRUSTLESS DECENTRALIZED

Your Identity is Only With You





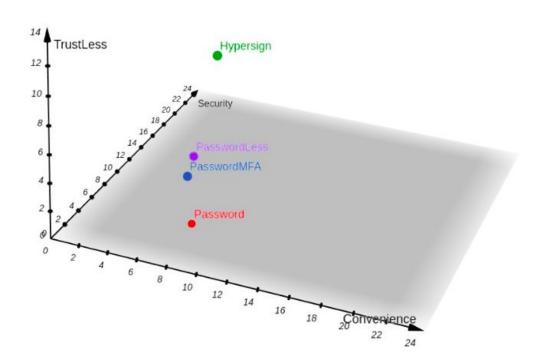
Password vs Password Less







Password Less vs Hypersign





Features

Trust-Less Password-less Standard Transaction Signing Public Key Blockchain Authentication Authentication [Single & Infrastructure through Biometrics Algorithms Multi-party] Service Standard Protocols: Workflow Multiple Key User federation & OpenId 1.0. Full Feature SSO Approvals Management SAML 2.0. Identity brokering Management OAuth 2.0

One Identity across all Mobile, Web, federated and D-APPs



Use Cases

- Online Media Streaming
 - Password Sharing
- Banking
 - Username/password
- Blockchain
 - Signing Transaction using custom provider
- SSO
 - Single Sign On for DApps and WebApps



Project Progress



It's the time!



Questions?

