



TUM
Blockchain
Club

SafeTenant

PROVE EVERYTHING, SHARE NOTHING.

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Problem Statement

Privacy Concerns

Tenants must share sensitive personal documents, exposing them to risks of identity theft and data breaches.

Fraudulent Listings and Scams

Real estate platforms like ImmoScout are plagued with fake apartment listings, luring tenants into scams

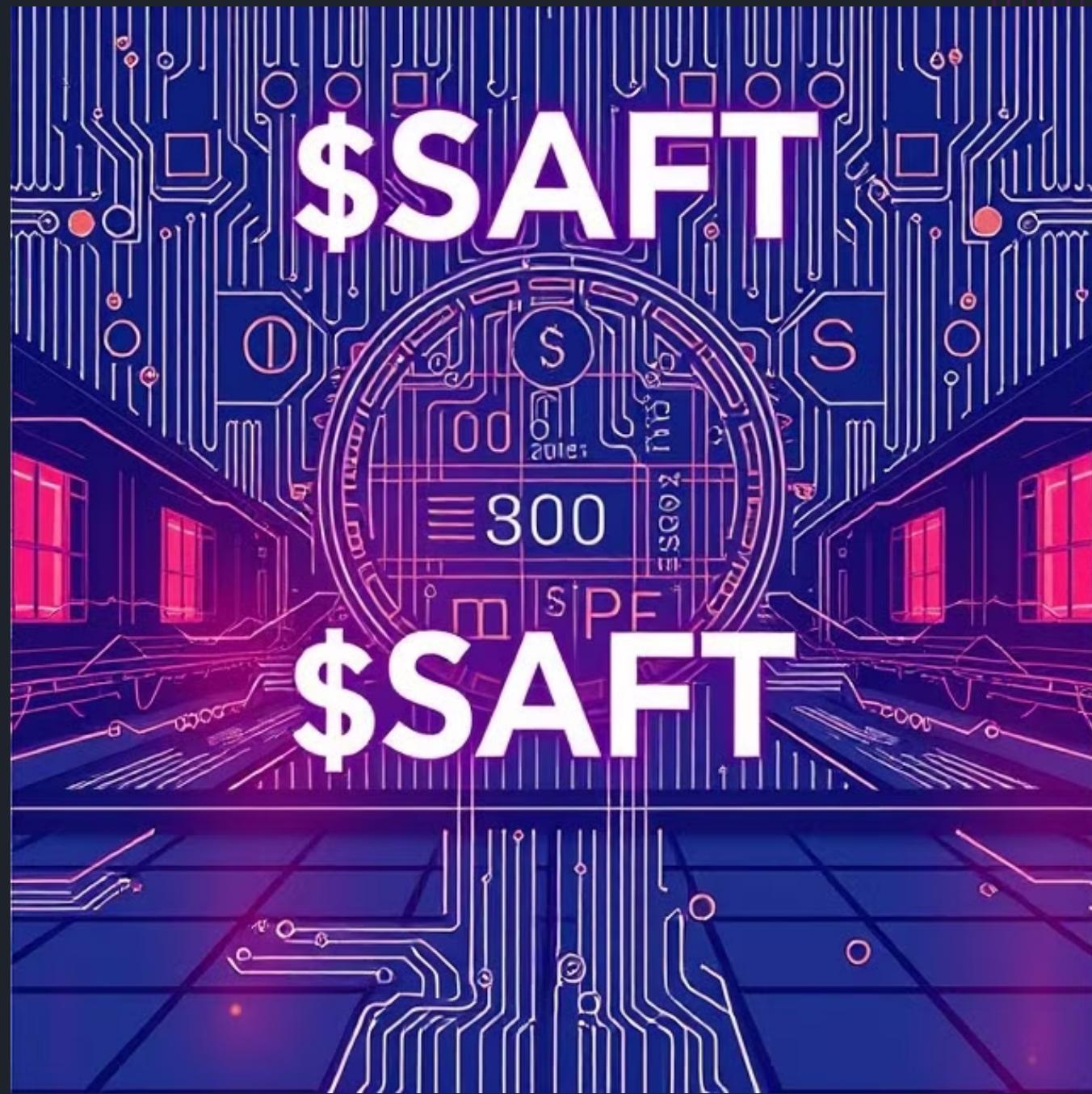


Inefficient and Vulnerable System

Current processes lack privacy-preserving mechanisms, eroding confidence and increasing the potential for misuse of personal data.

SafeTenant

\$SAFT enables users to verify their identity and credentials—such as SCHUFA scores, income and residency—securely and privately using Zero-Knowledge Proofs.



Solution

Our solution, Saft, leverages Web3 technology such as Zero knowledge Proofs (ZKPs) to revolutionize tenant verification. By enabling tenants to securely store and manage their identity and credentials in a decentralized wallet, Saft ensures that only necessary and verified data is shared with landlords through cryptographically secure proofs.



Impact

- Enhanced Privacy and Security
- Streamlined tenant verification
- Increased trust and transparency
- Reduced cyber security issues
- Global accessibility and interoperability
- Efficiency and convenience
- Future-ready digital ecosystem



Feasibility

- Most of the data is digitalized
 - ID, Income proof, etc...
 - For example Schufa has an API
- Use ZK-Snark in order to proof the desired information
 - The technologie already exists and can be through platforms like StarkNet.
- A lot of platforms for real state exists
 - Implementation would be easier
 - Blockchain adoption is growing in real state



Web3 Integration

- Core idea: Zero Knowledge to decentralize data sharing
- Where do we apply Web3:
 - data verification with smart contracts
 - contains the requirements of the landlord
 - use ZK Snark technology
 - returns the proof without sharing any sensitive data
- What about the landlord?
 - it's possible to use the ZK technology here as well
 - but: it's not really necessary



Q&A

THANK YOU, ANY QUESTIONS ?





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