DoppelgangETH
Cross Chain CA & EOA Address Securing

FAQ

What is DoppelgangETH?
DoppelgangETH is an advanced security system that protects cross chain activity by protecting CA & EOA Ethereum addresses, ensuring they haven't been compromised or duplicated across different chains.

How does it work?
Our system performs comprehensive verifications on two types of addresses and protect them to be compromised by a third party:

a. Externally Owned Accounts (EOA):
We verify if the address has been previously used
We check if the bytecode counter is zero
We perform a deposit of 1 WEI to initialize it as a legitimate EOA

b. Smart Contracts (CA):
We verify the absence of previous deposits.
We confirm that no bytecode has been deployed.
We deploy aN upgradable proxy CA that serves as a foundation for future implementations for the user across all chains.

Benefits
Enhanced security in cross chain transactions
Prevention of address collisions across different chains
Proactive verification of address integrity
Risk reduction in cross chain operations
Secure foundation for smart contract deployment

Added Value
DoppelgangETH acts as a fundamental security layer for cross chain blockchain operations, ensuring that each address is unique and secure in its context of use. This prevents potential attacks and vulnerabilities related to address hijacking across different chains.

Why do I need DoppelgangETH?
Imagine sending your digital assets to an address that seems correct, but turns out to be a smart contract on another chain that can't handle your funds. Without DoppelgangETH, your assets could be permanently lost. Our system verifies and distinguishes between EOAs and CAs before each transaction, providing a crucial security layer that blockchain alone doesn't offer.

What are the risks of not using a verification system?
Permanent loss of funds due to sending to incompatible CA.
Airdrops sent to incorrect addresses due to undetected collisions
Digital identity and asset ownership issues
Legal liabilities for erroneous transactions
Inability to recover funds due to blockchain immutability

How does DoppelgangETH work?
Our system performs a multifaceted verification:
1. Identifies address type (EOA vs CA)
2. Verifies contract existence across multiple chains
3. Alerts about possible collisions before transaction
4. Provides visual confirmation of address type
5. Offers customized security recommendations

Why is it crucial for blockchain projects and DAOs?
Protection of airdrops and mass token distributions
Prevention of significant financial losses
Reduction of legal risks and liabilities
Improvement of user experience
Increased transaction confidence

What differentiates us from other solutions?
Realtime cross chain address verification
Precise identification between EOAs and CAs
Proactive alert and prevention system
Backed by comprehensive legal and technical analysis

Who should implement DoppelgangETH?
Crosschain Protocols
DeFi projects conducting airdrops
Exchanges and trading platforms
DAOs and blockchain organizations
Cryptoasset custody services
Any entity conducting mass transactions

How to get started with DoppelgangETH?
1. Connect your wallet to our dApp
2. Allow initial address scanning
3. Receive a detailed verification report

4. Implement our alert system
5. Enjoy secure and verified transactions

Why is DoppelgangETH especially relevant in 2024?
With the exponential growth of the cross chain ecosystem and the proliferation of smart contracts, the need for precise verification between EOAs and CAs has never been more critical. Losses from undetected collisions increase daily, making DoppelgangETH an indispensable tool for blockchain security.

What is the cost of not implementing DoppelgangETH?
Direct financial losses from erroneous transactions
Reputational damage from security incidents
Legal costs from ownership disputes
Loss of user trust
Time and resources invested in asset recovery

How does DoppelgangETH integrate with existing systems?
We offer a robust API and complete documentation for integration with:
Hardware and software wallets
Trading platforms
Asset management systems
Existing user interfaces
DeFi protocols

Ready to protect your assets and users with DoppelgangETH?
Contact us for a demonstration and discover how we can secure the future of your blockchain transactions.