

Cross-chain Intent + Account Abstraction Audit & Threat Modeling

CHANHWI LEE | Team Unlimited Monster Access
Upside Academy 2nd

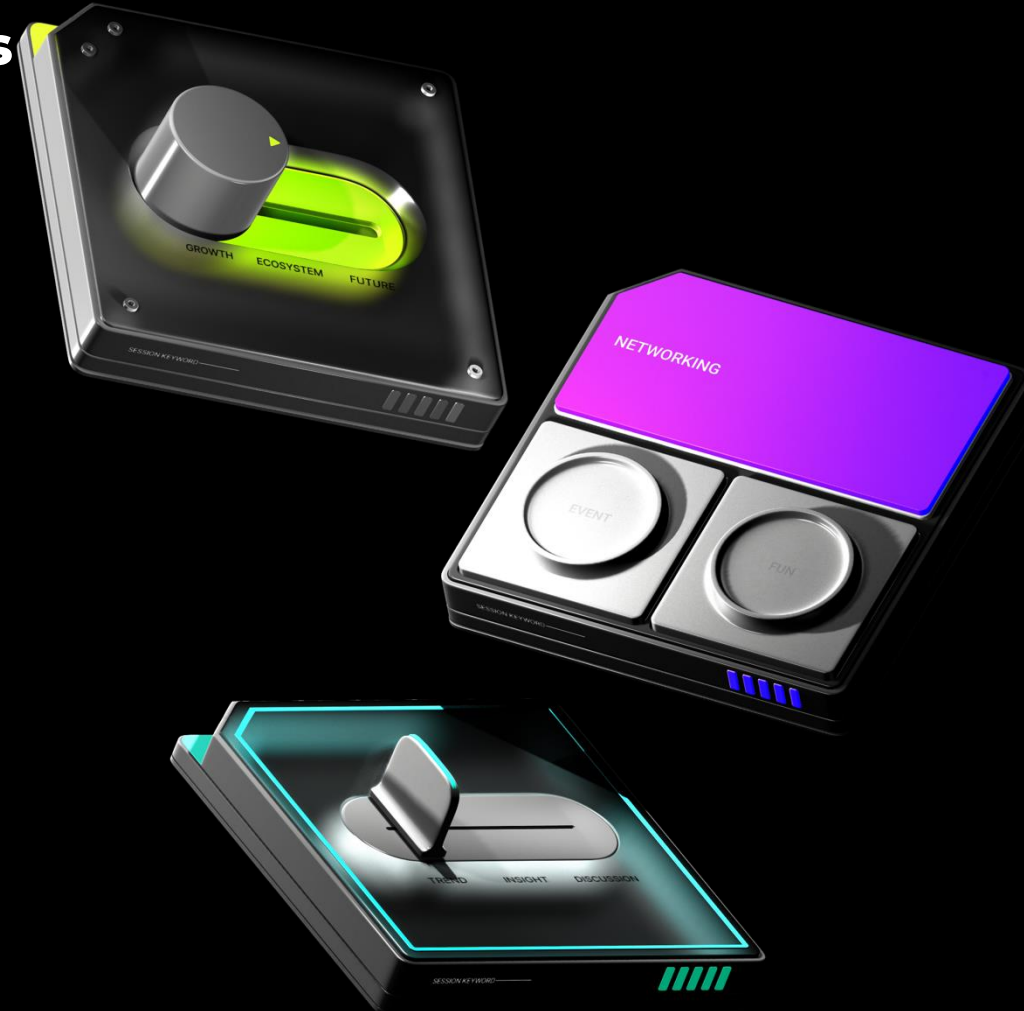
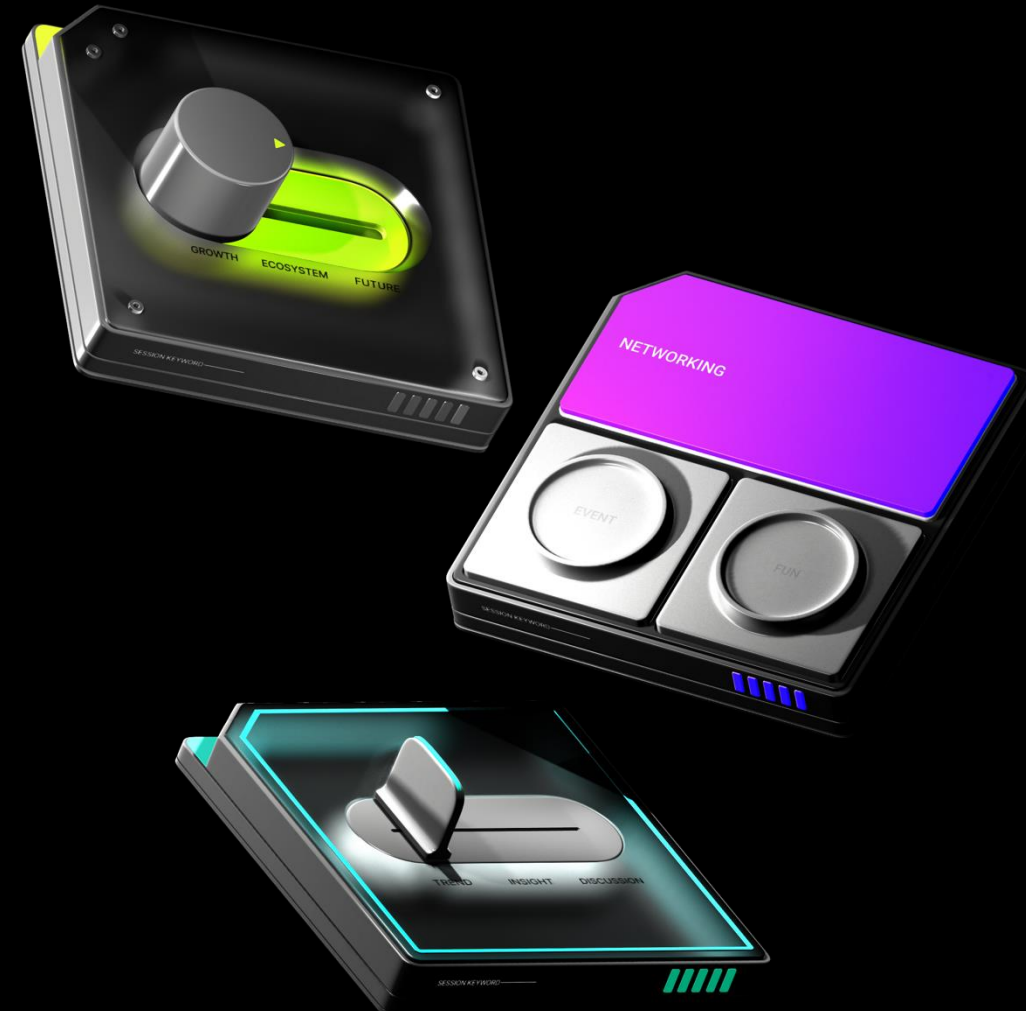
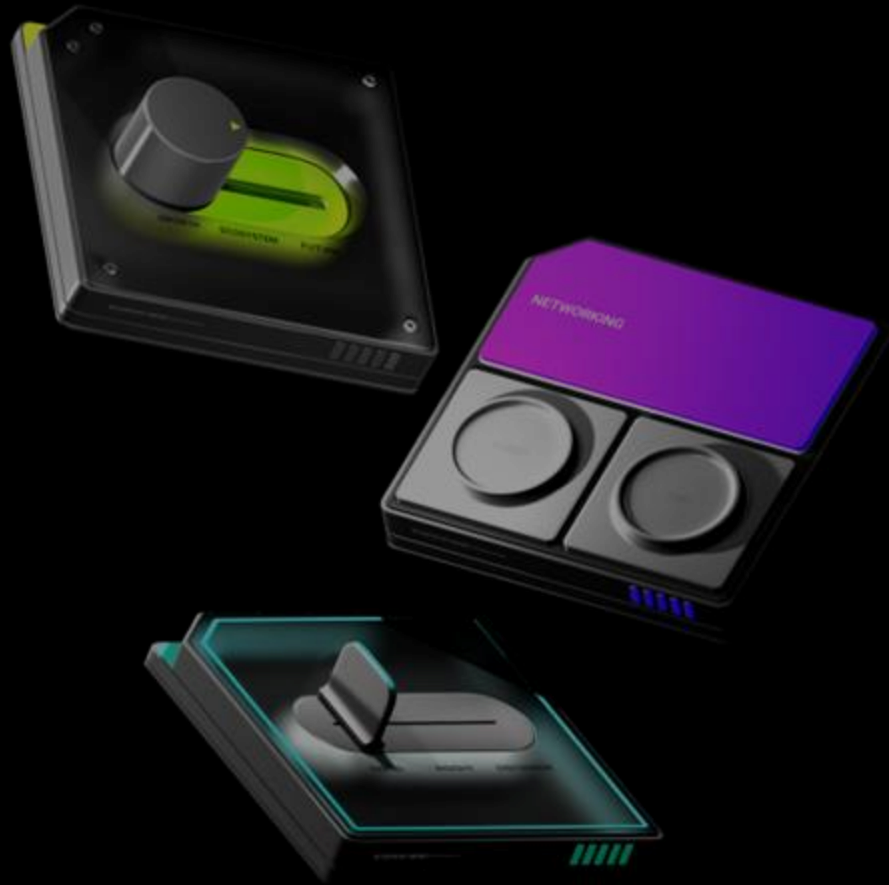


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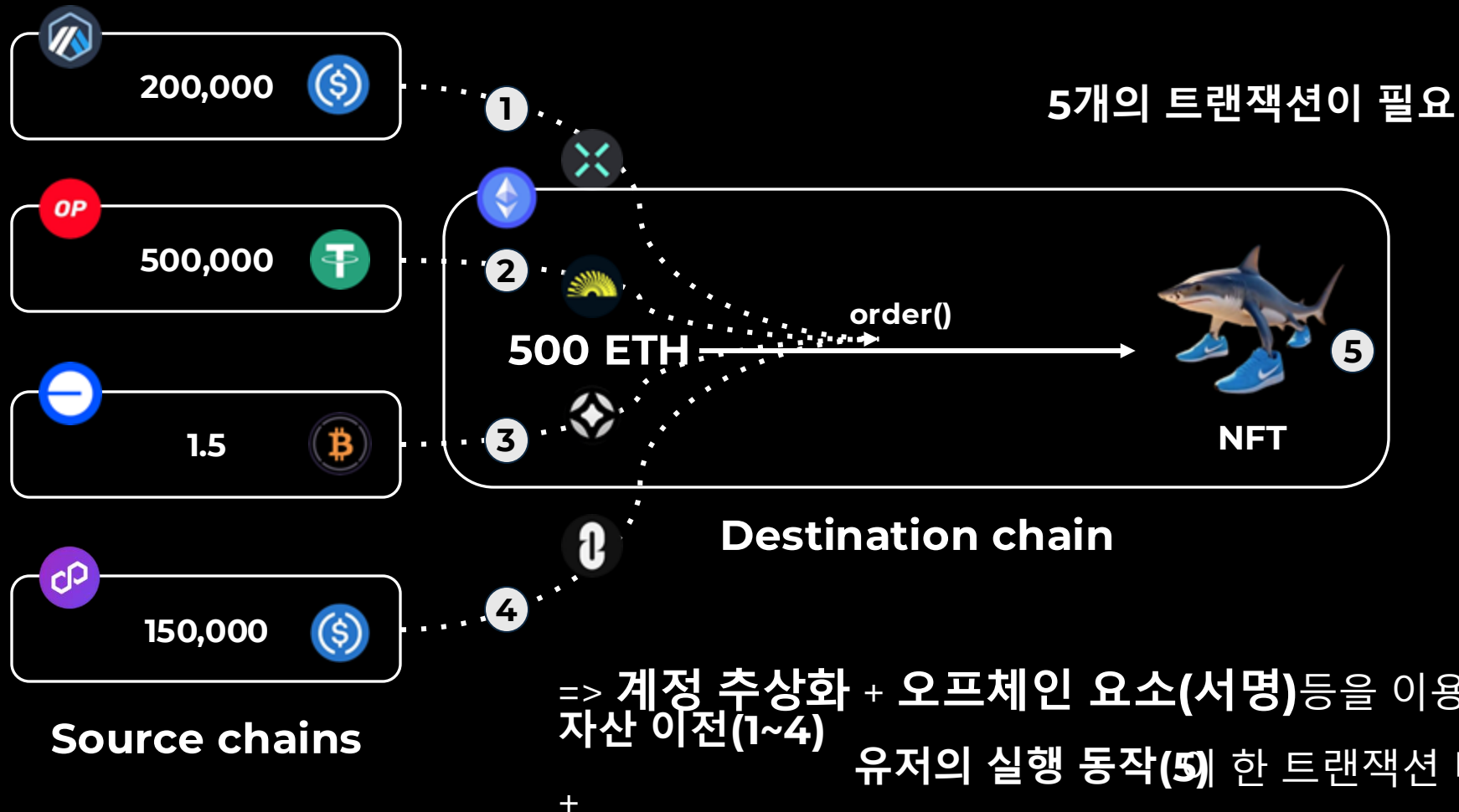
- 1. Project Background**
- 2. Threat Models**
- 3. Attack Simulation**
- 4. Project Achievements**
- 5. Q&A**





1-1. Project Background : Legacy Cross-Chain Transaction

Legacy Cross-chain Transaction



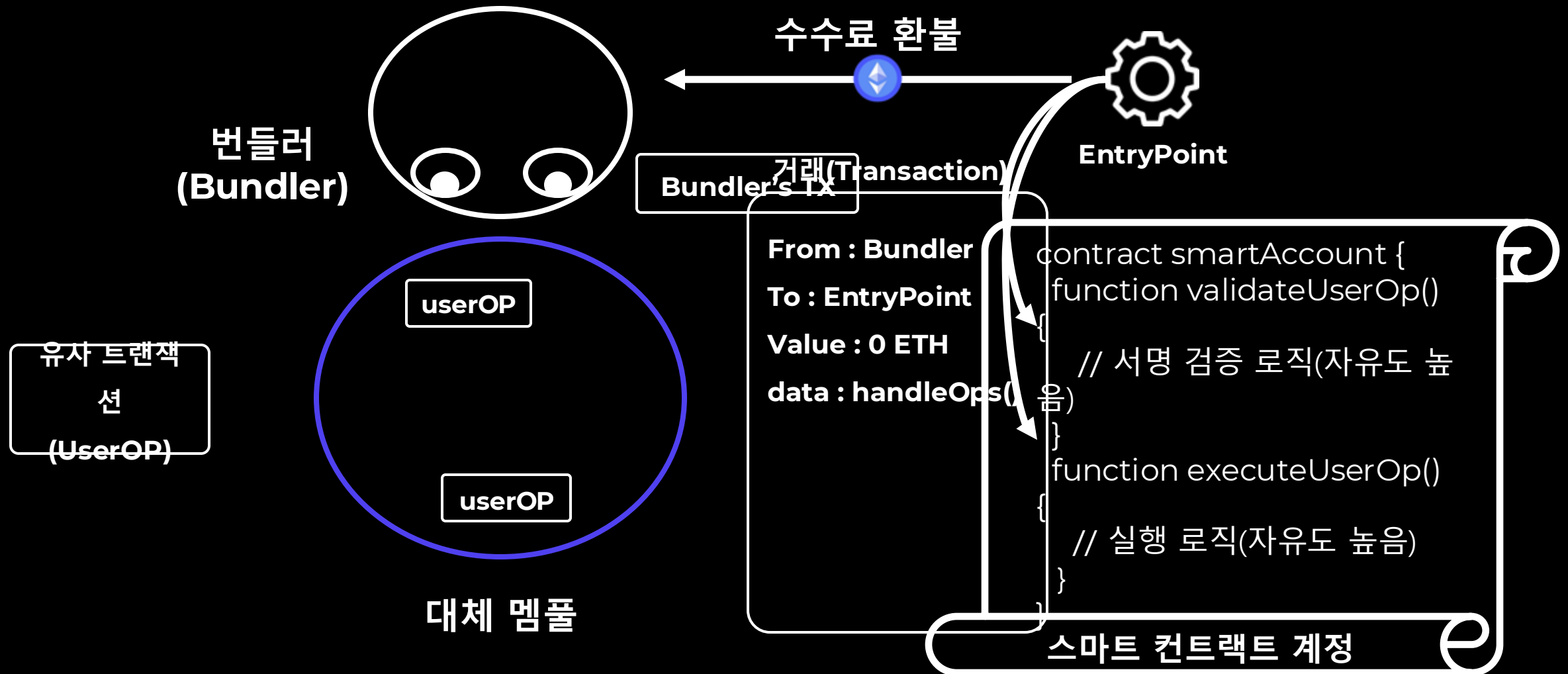


1-2. Project Background : Cross-Chain with AA

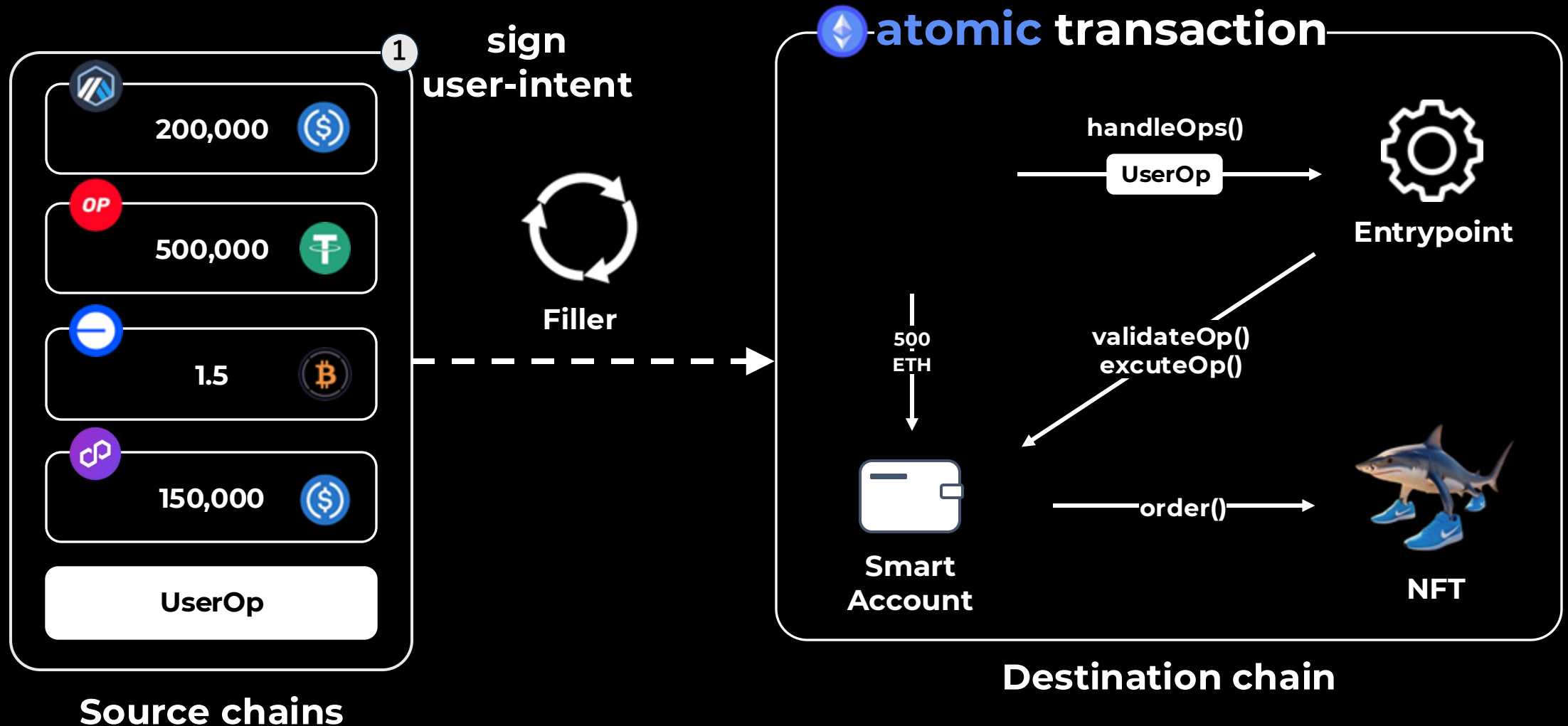
Why Account Abstraction?



How Account Abstraction Works?



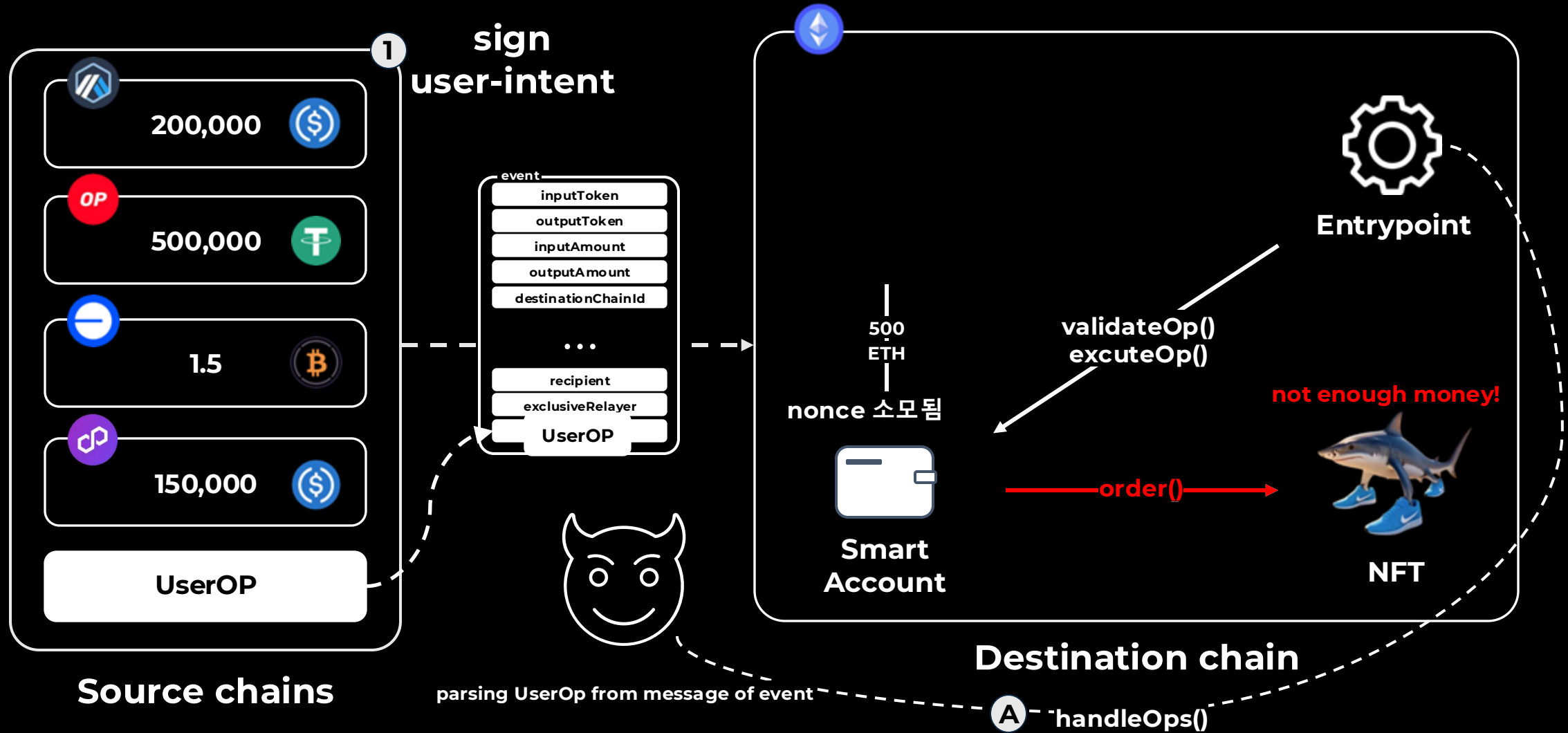
Cross-chain with AA



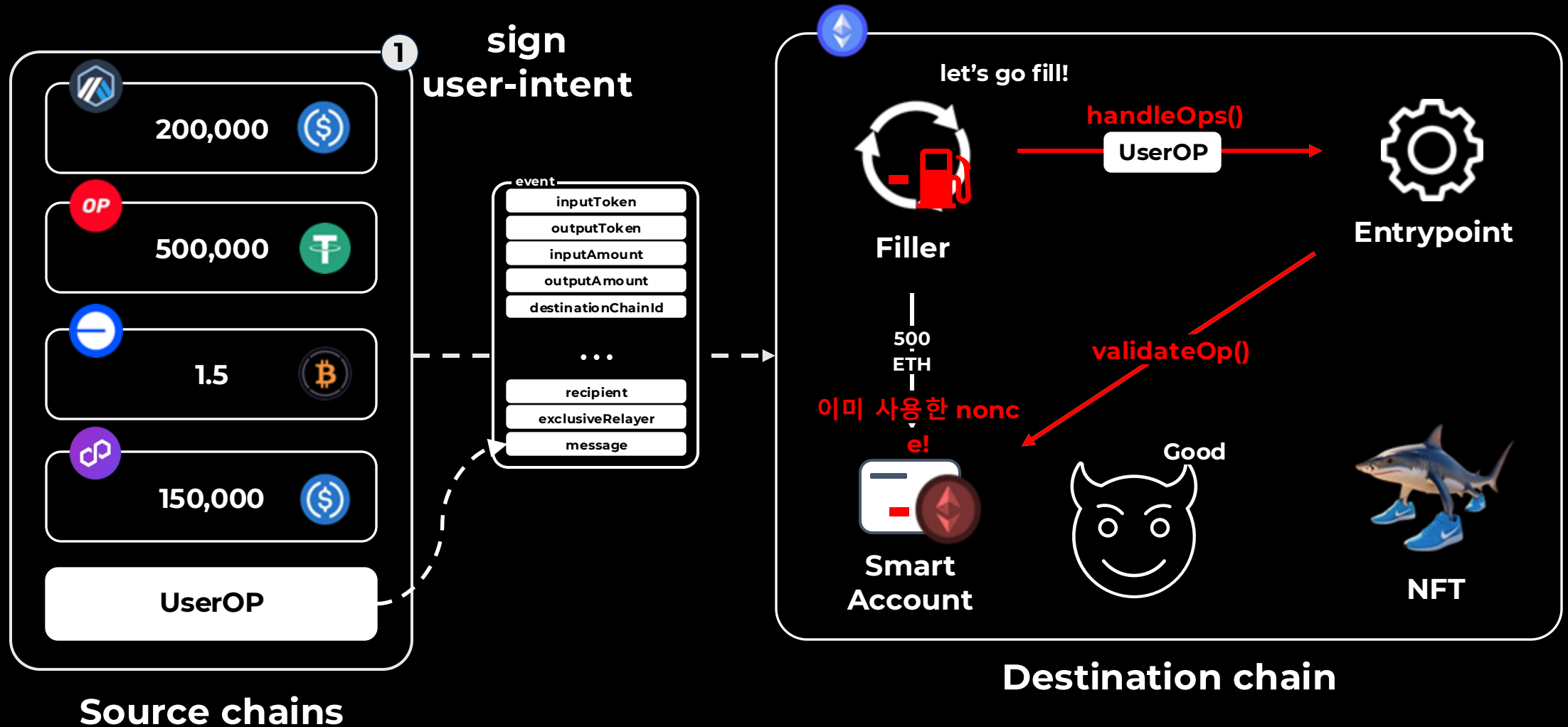


2. Threats Models

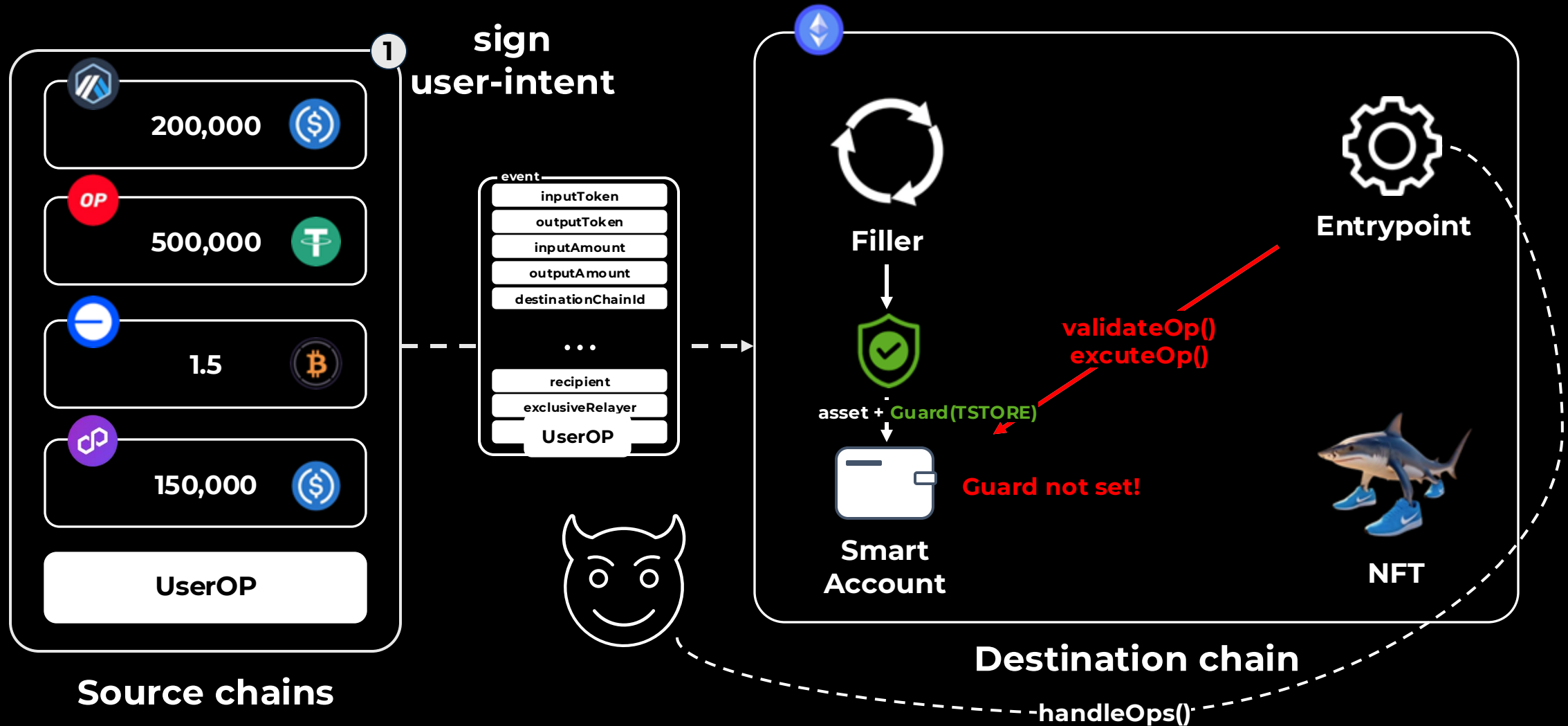
UserOp Hijacking



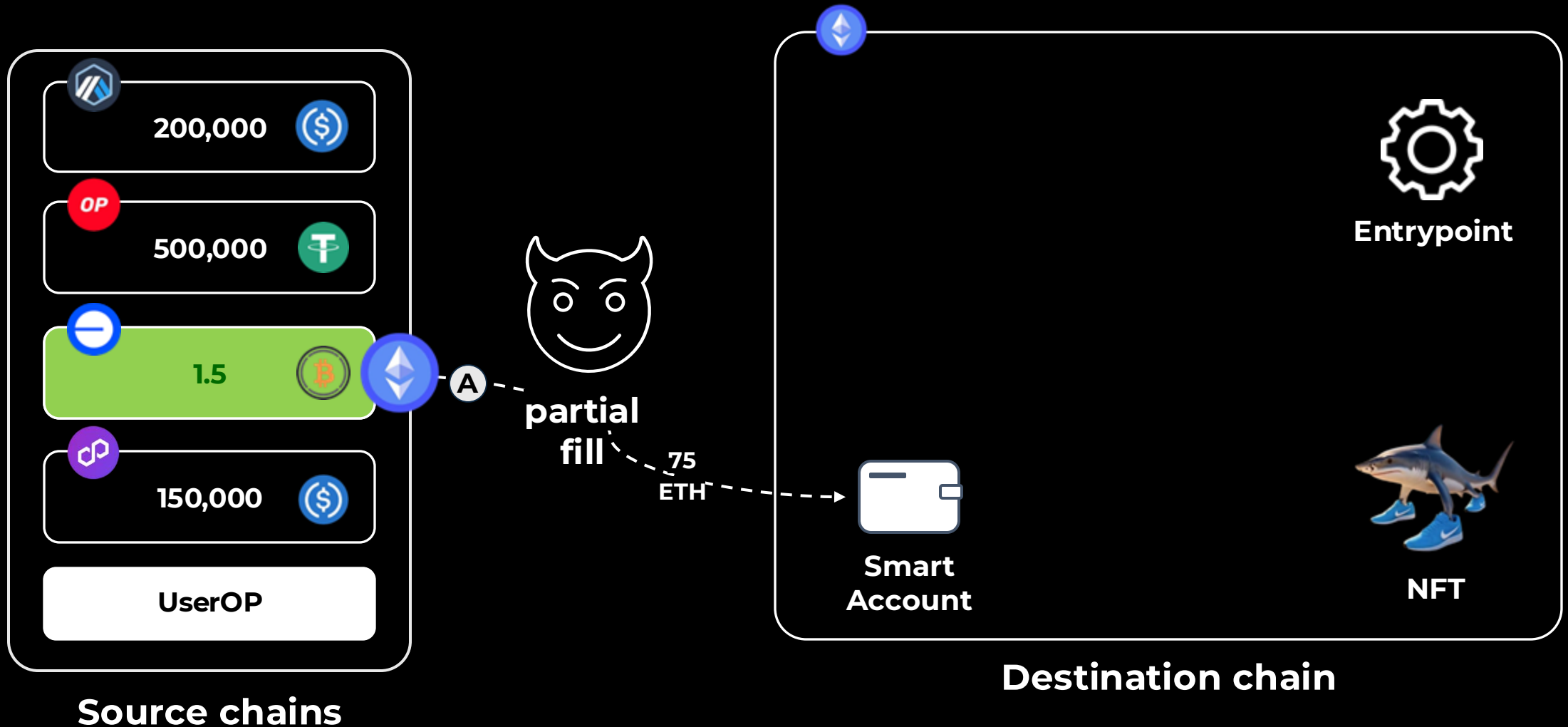
UserOp Hijacking



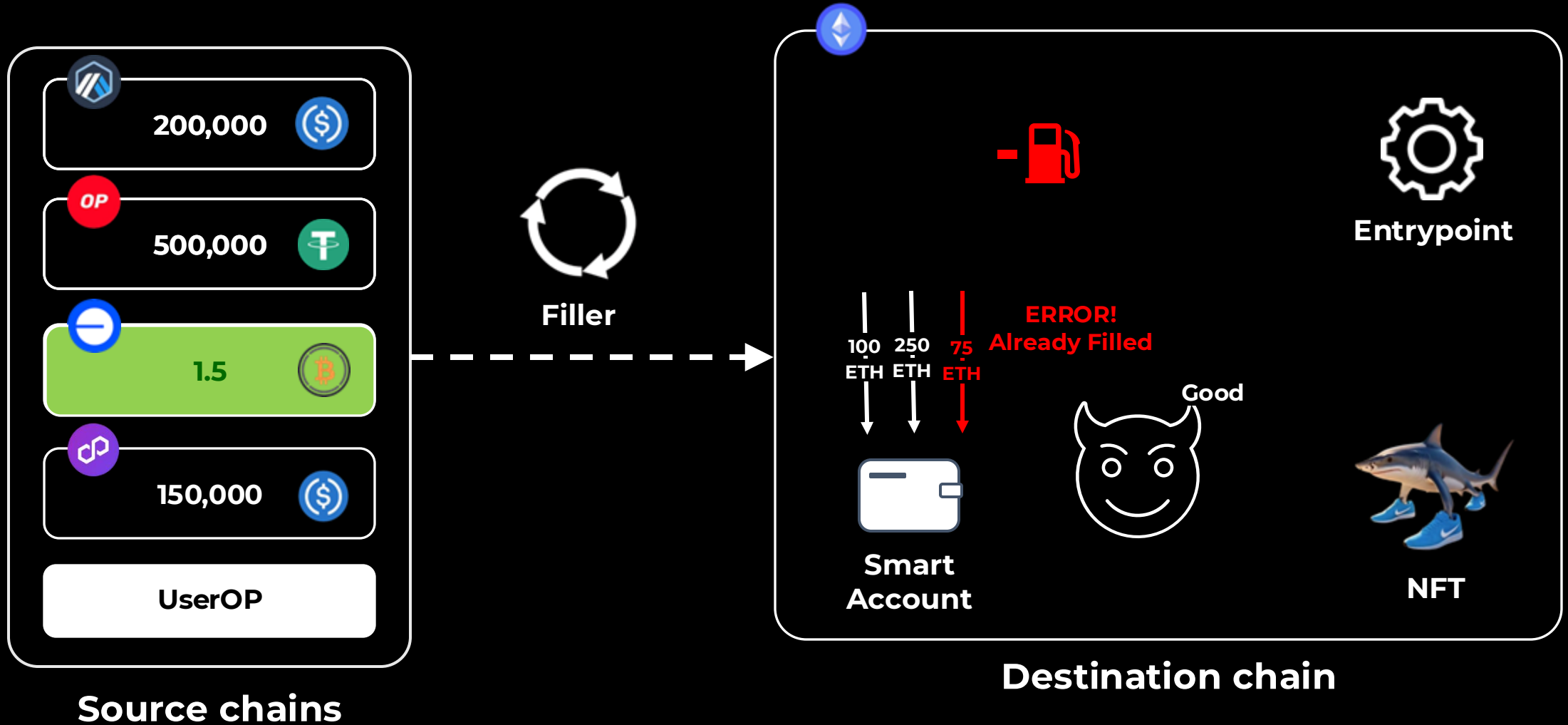
Mitigation: Transient Guard



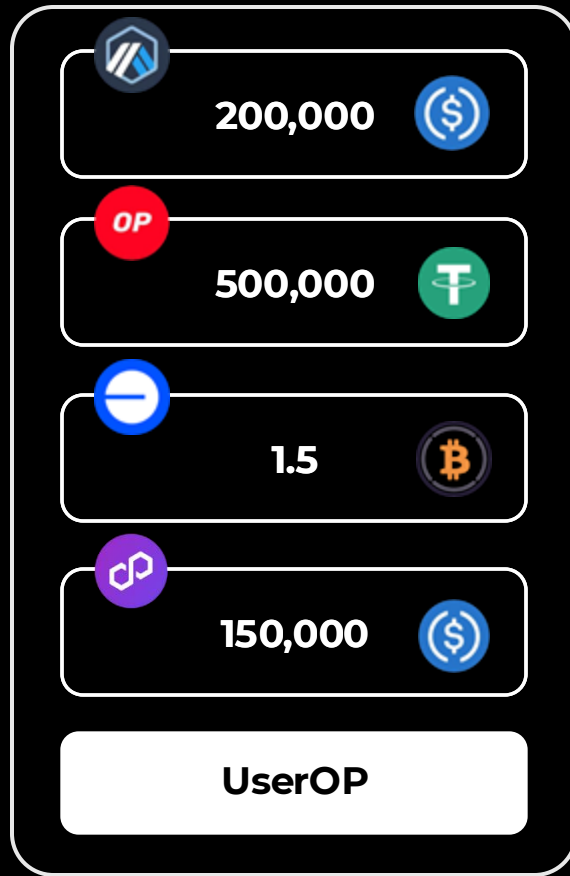
Fill Hijacking



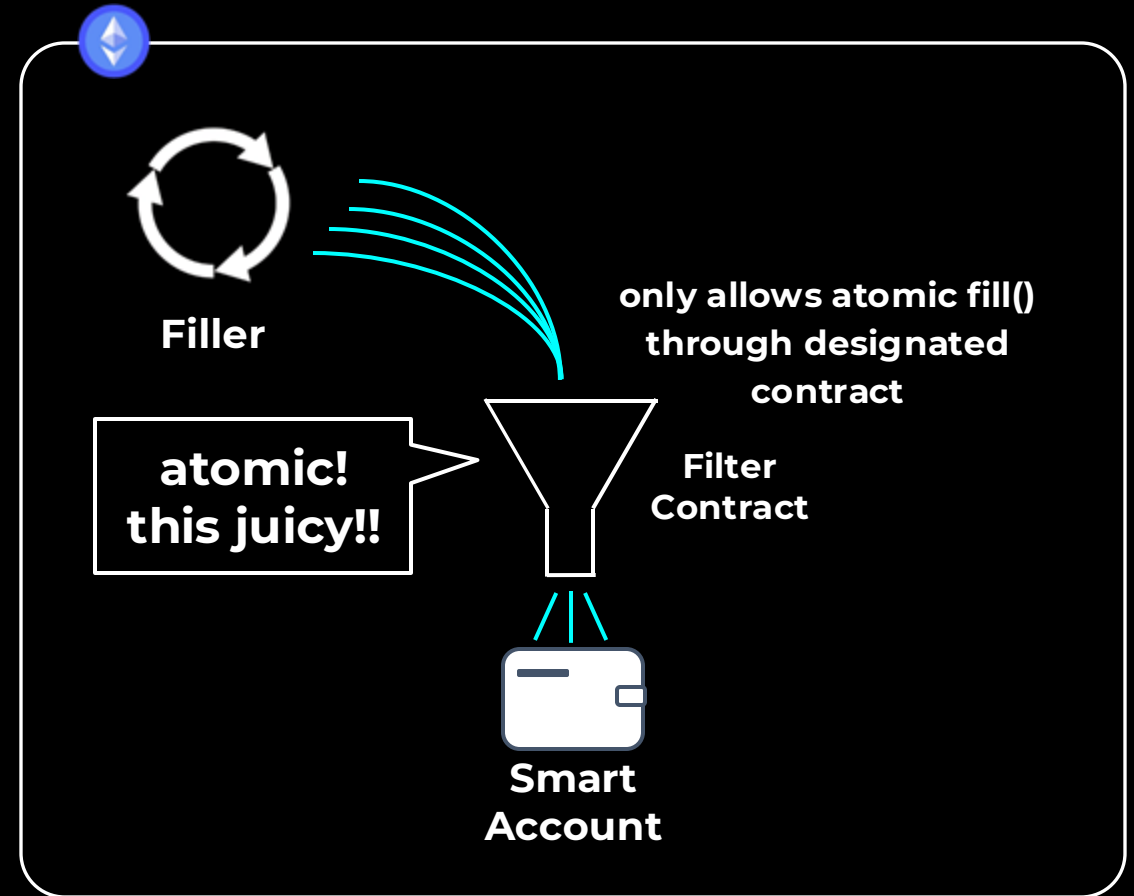
Fill Hijacking



Mitigation: Filter Contract

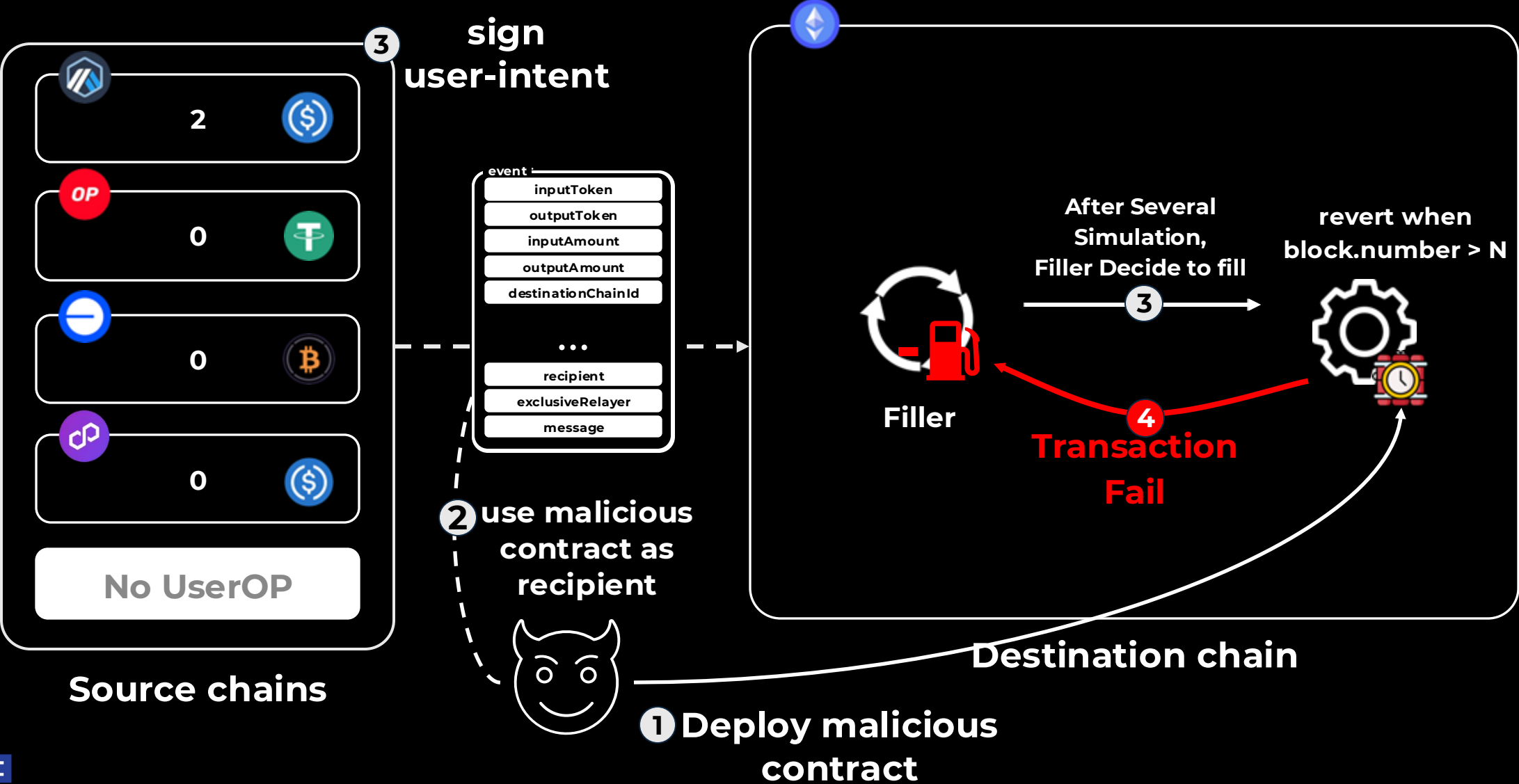


Source chains

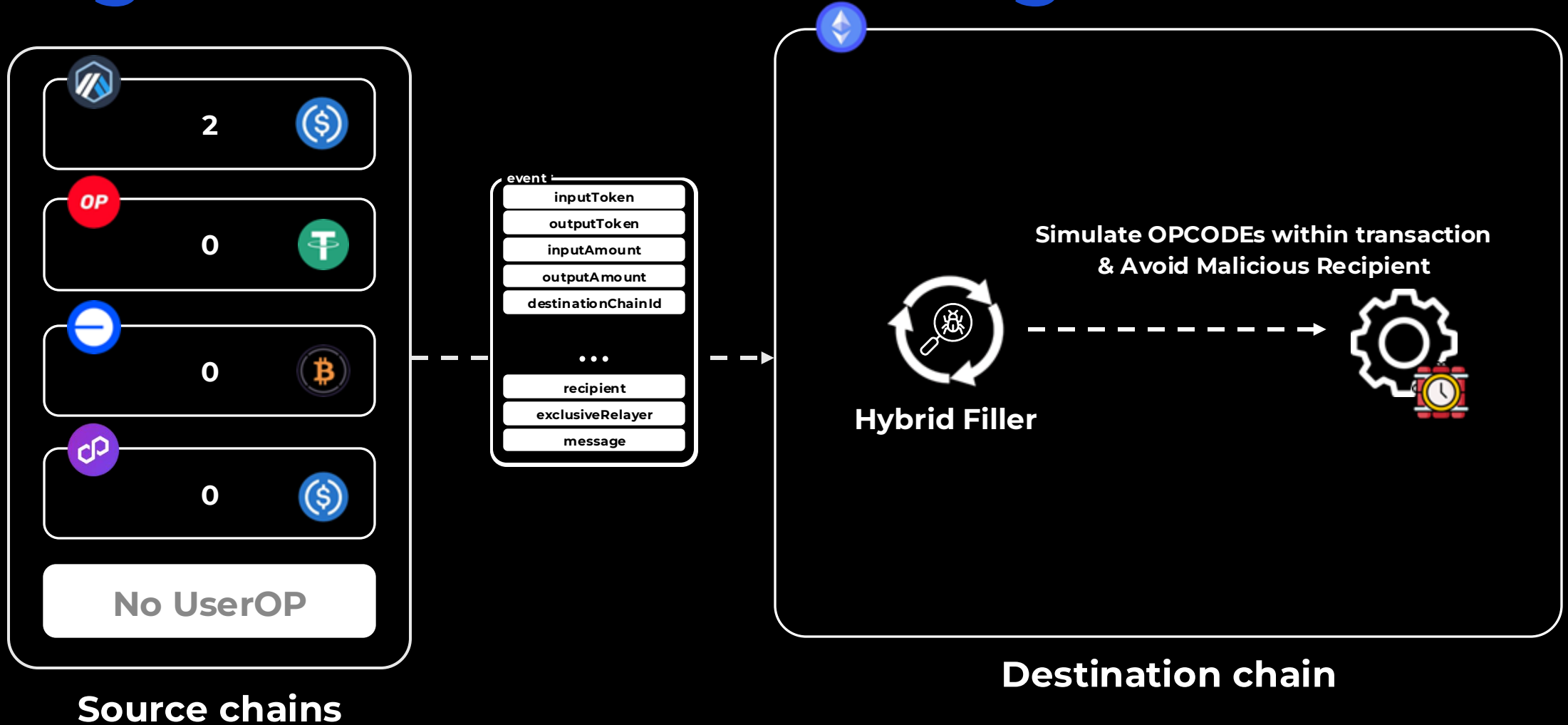


Destination chain

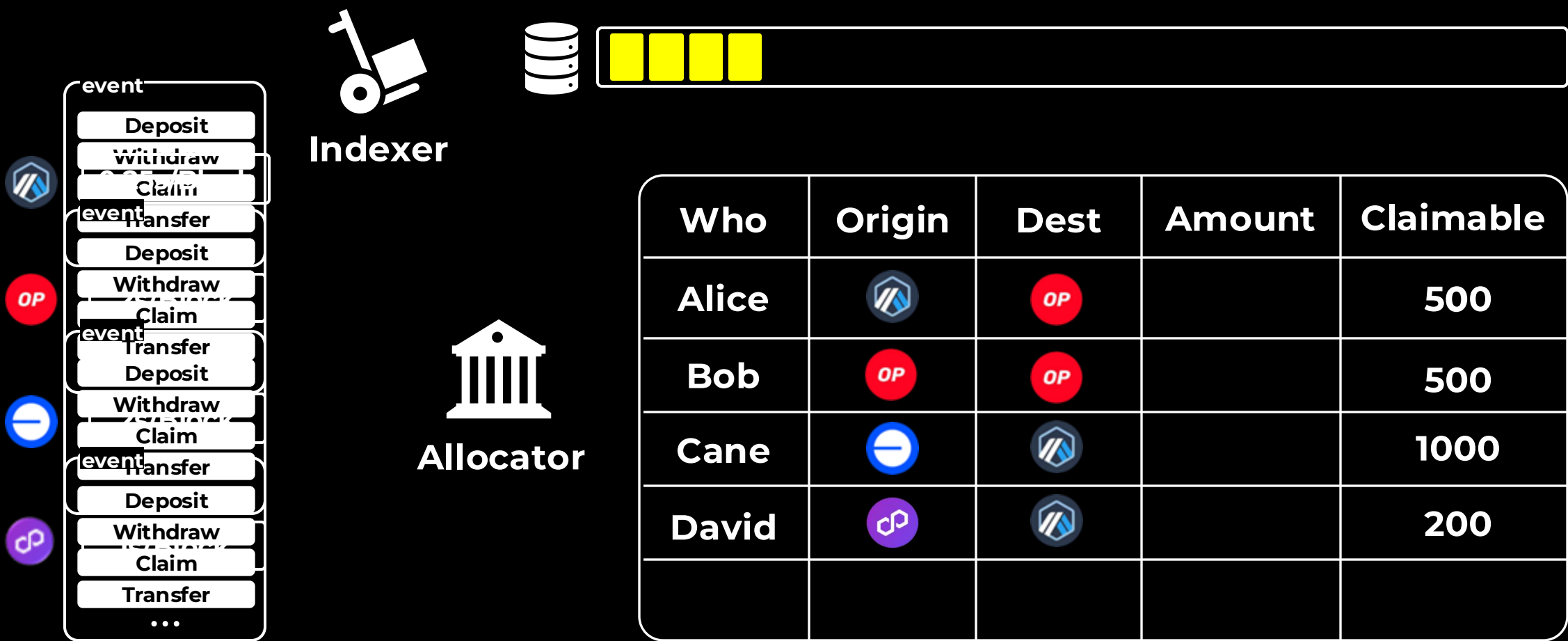
Simulation-Execution Mismatch



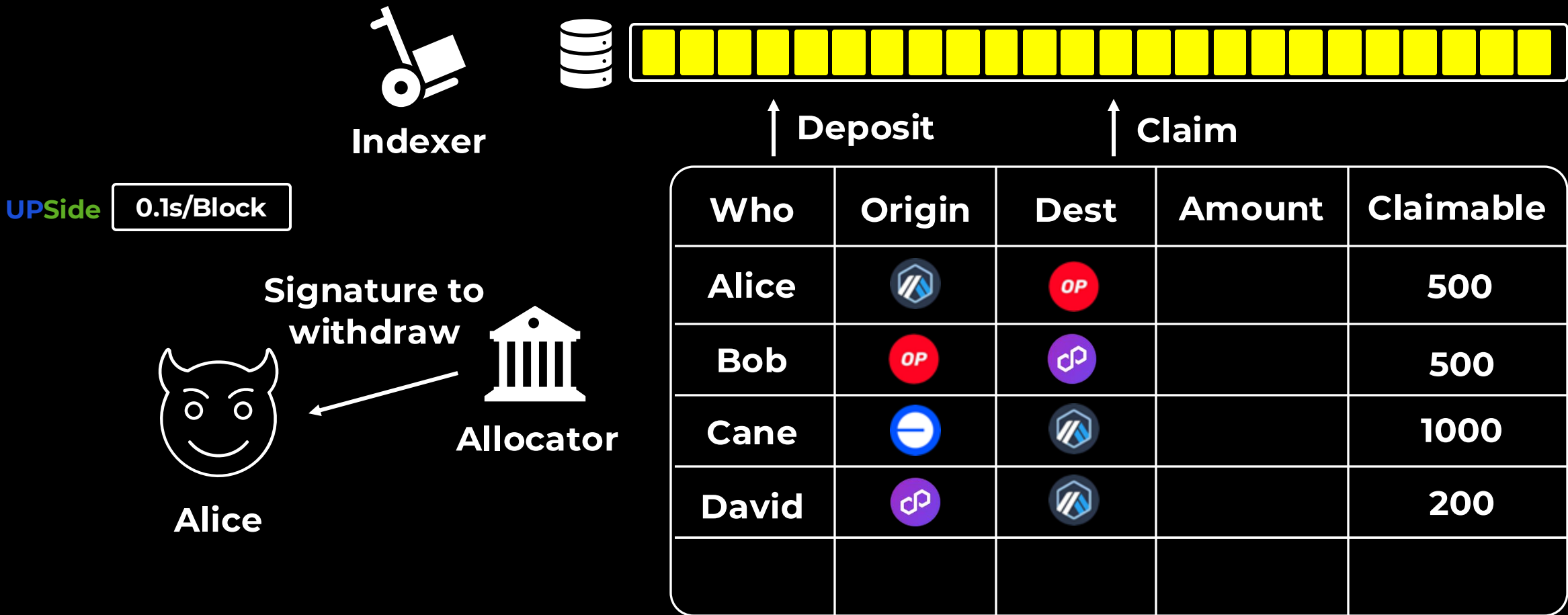
Mitigation: OPCODE tracing



Off-chain Indexer Overloading



Off-chain Indexer Overloading






3. Attack Simulation

UserOp Hijacking

User


Kabi's NFT market

☐ Cross Chain



Dunamu

400.0 ETH



Theori

400.0 ETH

Cross Chain을 지원하는 가상의 NFT 거래소입니다.



4. Project Achievements

Project Achievements



EIP(ERC)
개념설명
인사이트



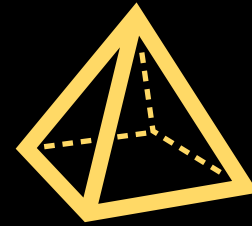
취약 모델링

8건

취약점 제보

2건

 **CompactX**
(
)



Filler-Bundler
Hybrid
Formula



GitBook
개발 가이드
생태계 기여

