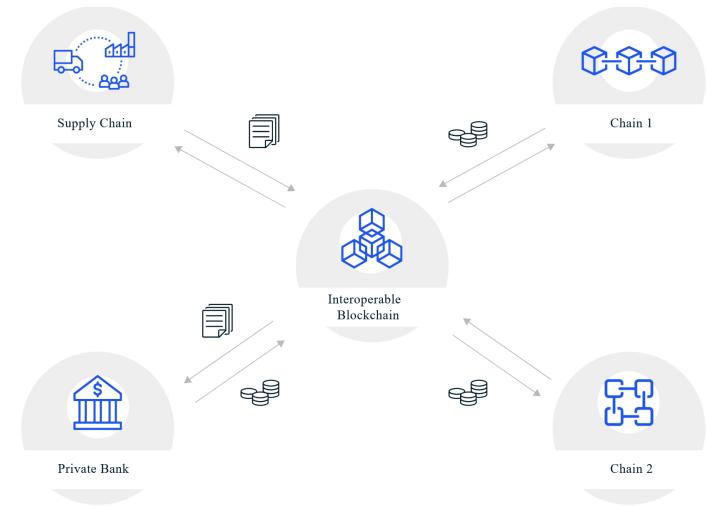


Analysis of Cross-Chain Attacks

Bryant Schultz

What is Cross-Chain and why is it important?

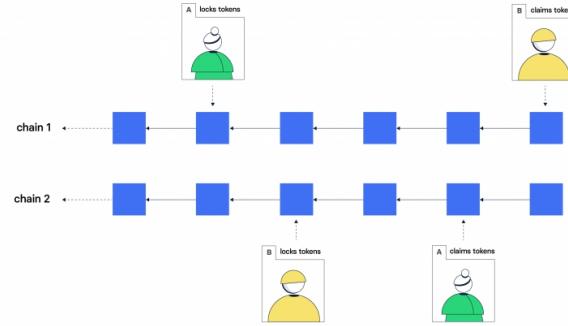
- Allows for transfer of information and value.
- Interoperability
- Multi-Chain Frameworks
- Get rid of third parties
- Fully decentralized system
- Mass acceptance and use of blockchain technology



LeewayHertz

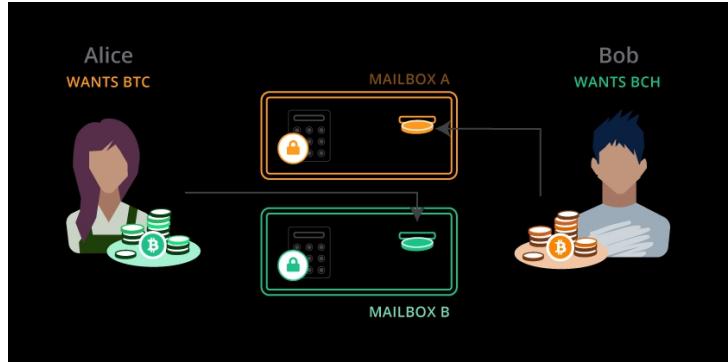
What I plan to research

- False Information Attacks
- Double Spend Attacks
- Reentrancy attacks
- Other vulnerabilities



How I plan to do this ?

- Use open source cross-chain software
 - Polynetwork
 - Multichain
- Setup multiple blockchains and connections between them
- Analyze each point where the chains communicate.
- Try to replicate or modify existing blockchain attacks on the cross-chain network.



How I plan to evaluate this ?

- Document the communication flow of the cross-chain networks.
- Compare the similarities and differences of a cross-chain attack to already existing blockchain attacks.
- Document discovered weaknesses in cross-chain communication.





Thank you! Questions ?