Atomic p2p Ergo Marketplace

Team : Analog Ergo

Ergo Hack VI Proposal

Atomic swap is an important yet under-utilized innovation in p2p cross-chain cryptocurrency transactions. It can be set up with as little as multi-signatures and time-locks, however the scripting capabilities of Ergo will allow for much more out of the box. Since atomic swaps will give us access to a variety of chains with higher liquidity, this will be a giant leap towards decentralized on-ramps for ergo.

The basic idea is to use the cryptographic primitives available in atomic swaps as a basis for creating a cross-chain peer to peer marketplace, where Ergo users can list their own price for their own coins. Not only will this enable users to potentially earn arbitrage as a reward for liquidity on different blockchains, but they will also be able to set and agree to the value parameters for this at their own discretion in a highly private and fungible way. That means no intermediaries are involved in the transfer which also reduces any potential fees on both sides.

Our team will setup the basic features starting with swaps from two contract enabled blockchains, then innovate on the core technology to create an extended product. We plan to provide technical support for users of the platform, provide liquidity for assets on multiple chains, as well as deliver newly researched innovations to the atomic protocol.