Navigating Chainlink CCIP with Aiken

Stuff

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Outline

Chainlink CCIP

What is Chainlink CCIP?

- Cross-chain Interoperability Protocol (CCIP) is used to relay

Messages that relay data and value between different blockchains
- Said messages can be used to call contracts on other chains
- The Messages follow the EVM2ANY format with the binary abi encoding from EVM
- Messages are validated by chainlink validator network and are double checked by a multisig Risk management set of nodes

Converting Solidity to Aiken

Common patterns in Solidity

- Proxy contracts
- State mapping i.e. (address => struct)
- abi encoding of structs and keccak_256 hashing
- explicit integer sizes

Translating Solidity Patterns to Aiken

- Stuff here

Summary

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- Since there's little to not effort or expertise on Cardano from Chainlink We can take action ourselves to do the bulk of the effort
- The work used to do conversions can apply to other cross-chain protocols and standards
- We now have a concrete where to transform Solidity to Aiken contracts to emulate the same behavior (the newer builtins added recently help a lot)