The PEACE Protocol[1]

A protocol for transferable encryption rights.

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October 23, 2025

[1]This project was funded in Fund 14 of Project Catalyst.
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Contents

1 Abstract

In this report, we introduce the PEACE protocol, an ECIES-based, multi-hop, bidirectional proxy re-encryption scheme for Cardano. PEACE solves the encrypted-NFT problem by providing a decentralized, open-source protocol for transferable encryption rights, enabling creators, collectors, and developers to manage encrypted NFTs without relying on centralized decryption services. This work fills a significant gap in secure, private access to NFTs on Cardano.