

Title: Unlocking NFT Interoperability: Insights from Polkadot's Ecosystem (Industry Talk)

Abstract:

This industry talk explores NFT interoperability within Polkadot, crucial for inter-blockchain communication. Delving into Cross-Consensus Messaging (XCM) and protocol, we emphasize the necessity of NFT XCM capability. Unique Network has delivered NFT XCM PoC and is now on its way to deliver on milestones for NFT XCM implementation for the ecosystem. We have held discussions and workshops that showcase NFT use cases across DeFi parachains, leveraging Polkadot's security. The talk elucidates XCM's protocol, infrastructure, asset transfers, and fee handling. It outlines challenges in NFT transfers and Unique Network's solutions, including fee estimation, cross-chain fee payment, and UX/UI variations. Highlighting two use cases, this talk will illustrate NFT transfer between parachains, enhancing business value and detailing design and technical requirements and outcomes.

Speaker:

Professional Experience

Charu Sethi is the CMO of Unique Network and Senior Ambassador for Polkadot . She is also leading the business and product side of NFT interoperability at Unique Network. Charu has over 15 years of experience in technology marketing and product strategy. She has led marketing for IBM Blockchain Asia Pacific in 2016 with a focus on the Asian financial services sector. Charu has been a mentor for web3 start-ups at the Tribe Accelerator, Singapore; and an advisor to Web3 dApps in the Polkadot ecosystem . Charu is also an instructor at the Polkadot Blockchain Academy, Hong Kong where she was invited for guest lectures on the topics of web3 GTM, Product Market Fit and Web3 Communities.

Charu has been a speaker at top crypto events globally including CoinDesk Consensus, NFT NYC, WOW Summit Hong Kong, PayNet Week Malaysia, Vietnam Blockchain Week, Polkadot Decoded New York and more.

Education

Charu is a Mathematics (hons) graduate, MBA in finance and is now pursuing one year Chief Product Officer Course at Massachusetts Institute of Technology (MIT)

LinkedIn

(<https://www.linkedin.com/in/charusethi1/>)

Key Topics to be covered through different Slides and Sections:

1. Introduction: Interoperability in the Polkadot Ecosystem
2. Leveraging the Security of the Polkadot Relay Chain for interoperability
3. Understanding Cross Consensus Messaging (XCM)
4. Interoperability differences between fungible tokens and NFTs
5. Key Challenges in Transferring NFTs
 - a. Fee Estimations
 - b. Ensuring Unique NFT Identifiers Across Consensus Mechanisms
 - c. Varied Tech Stacks
 - d. Asset Transfers and sending fee tokens along with NFTs
 - e. UX/UI inconsistencies
6. Suggested Solutions to above challenges
7. Showcasing Use Cases: Interoperable NFTs Across DeFi Parachains
8. Enhancing Business Value Through NFT Interoperability
9. Conclusion: Outcomes and Insights from early NFT Interoperability Initiatives