

Project Catalyst Closeout Report from NuFi wallet

Video: <https://youtu.be/1GEbWHPyyno> or [here](#)

This report outlines how we completed our proposal '[Ethereum and Cardano Web3 wallet](#)' with funding from Project Catalyst Fund9.

Summary

We used Project Catalyst funding to make migration from Ethereum to Cardano as easy as possible by creating a single Web3 wallet to manage assets on Cardano, Ethereum and Milkomeda C1, and a single wallet to connect to Dapps on all chains and bridge assets from Ethereum to Cardano in a fully decentralized way.

Goal

Our goal was to make the Ethereum to Cardano cross-chain experience as seamless as possible, with a focus on making asset migration simpler than it was before. Previously, a user needed multiple wallets to manage and migrate assets on Cardano, Milkomeda C1 and Ethereum, and some technical knowledge was required to manually add Milkomeda C1 network to MetaMask wallet. We realized that, for migration to be as simple as possible for users of all abilities, a user should be able to use one wallet to handle the whole migration process (asset management on all chains and connecting to Dapps such as asset bridges).

Milestone 1

Our first milestone was Ethereum blockchain integration and an Ethereum Dapp connector with MetaMask Emulation mode. The MetaMask Emulation mode allows a user to connect their NuFi wallet's Ethereum account to any Ethereum Dapp that supports MetaMask (since NuFi isn't yet integrated with many Ethereum Dapps) if MetaMask is disabled in advance – simply click Connect with MetaMask and NuFi will open instead. This feature works for Cardano too, and allows a user to connect their NuFi wallet to any Cardano Dapp that supports Eternl or Flint wallets.

With this guaranteed compatibility, a user migrating from Ethereum to Cardano can always connect their NuFi wallet's Ethereum accounts to a Dapp (like a DeFi protocol) to, for example, remove liquidity and then to tools like DEXes (to exchange for bridgeable assets if needed) and decentralized bridges (to move assets to Milkomeda C1).

Notable features:

- Hardware wallet support: a user can manage their Ledger or Trezor's Ethereum accounts through NuFi

- Ethereum Dapp connector
- Ethereum NFTs added to multi-chain NFT gallery
- Support for ENS (completed in Milestone 3)
- Custom token import

A user can also restore an existing Ethereum account (e.g. an existing MetMask wallet) using its seed phrase.

Milestone 2

For our second milestone, we added support for Milkomeda C1 sidechain to NuFi wallet alongside a Milkomeda C1 Dapp connector with Wallet Emulation mode to make NuFi compatible with any Milkomeda C1 Dapp that supports MetaMask wallet (just disable MetaMask in advance then click Connect with MetaMask).

Now, with Ethereum, Milkomeda C1 and Cardano support, NuFi is able to complete all parts of the migration process for users:

- Import existing Ethereum wallet
- Connect Ethereum and Milkomeda accounts simultaneously to an asset bridge (since NuFi creates an independent Dapp connection each time the user connects, it's possible to connect with all accounts at once and activities in one browser tab don't affect other tabs) and then bridge assets to Milkomeda C1
- Swap assets on a Milkomeda C1 DEX to get bridgeable MilkADA
- Connect Milkomeda C1 and Cardano accounts to Blueshift bridge to move assets to Cardano.

Notable features:

- Hardware wallet support: a user can manage their Ledger or Trezor's Milkomeda C1 accounts through NuFi
- Milkomeda C1 Dapp connector
- Custom token import

A user can also restore an existing Milkomeda C1 account (e.g. an existing MetMask wallet) using its seed phrase.

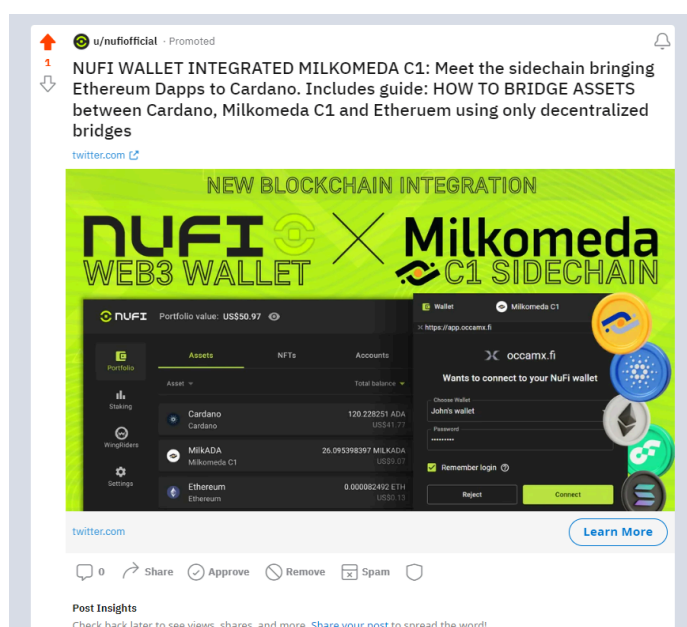
Milestone 3

For Milestone 3, we added support for ERC-1155 NFTs in the multi-chain NFT gallery and completed support for ENS.

Final Milestone and Outcome

The final part of the proposal was to make NuFi compatible with bridges and function in such a way that a user of any ability is able to connect and bridge assets without needing any special technical knowledge. Wallet Emulation mode makes NuFi compatible with decentralized bridges like [cBridge](#), [Multichain](#) and [Blueshift bridge](#) and, because we made each Dapp connection independent, a user can connect accounts on multiple blockchains to the same Dapp on the same screen at once.

These two features make NuFi compatible with and suitable for asset bridges, though we plan to make this process even more streamlined by integrating with Iagon Bridge when it comes back online soon (discussed early January 2023 with Iagon Team). When this happens, a user will need only one Dapp (Iagon Bridge) and one wallet to bridge assets from Ethereum to Milkomeda to Cardano.



Marketing

We ran marketing campaigns for the integrations of Ethereum and Milkomeda C1 and for NuFi becoming the all-you-need wallet for users migrating to Cardano. This included: Medium articles ([1](#),[2](#)); paid Reddit advertising; appearances at online town halls/Twitter spaces (e.g. for NFT Guild, Tangent); outreach to 30+ other Catalyst projects concerned with migration to Cardano and outreach to Cardano/Milkomeda C1 Twitter and YouTube influencers; outreach to Milkomeda C1 projects for comarketing and integration; competitions and giveaways themed around migration to

Cardano (prepared, launching 1st week of Feb); Milkomeda C1 and migration-themed Glean campaign (prepared, launching 2nd week of Feb).

Support and Training

We updated our existing support portal to include [articles](#) on how to bridge assets and manage assets on the additional chains, and all staff (especially support staff) were trained on all aspects of the new chain integrations and in NuFi assets-bridging capabilities.