
Proposal: Talisman Portal Web Application - Milestone 1

Proponent: 1Rve7FHwgGZVKcGWm4NQ2TVK3u9R7xxDADiGE2y5fx2heTH (William | Paraverse Talisman, Polkadot)

Date: Oct 2022 - March 2023


Requested DOT: \$395,000 USD, to be converted to DOT using the EMA-7 Dot price from [Subscan](#) on the day of the submission

Short description: In this proposal, we are seeking to fund improvements to Talisman Portal, Talisman's "one stop shop" web application that enables users to discover and access Polkadot ecosystem activities with a focus on simplicity and ease of use. This is an open source dapp that supports multiple Polkadot Ecosystem wallets, including: Polkadot.js (500,000+ users), Talisman (20,000+ users), SubWallet (20,000+ users), and Enkrypt (20,000+ users). Talisman Portal (<https://app.talisman.xyz>) is a great entry point for new users who are coming to Polkadot from other ecosystems, as well as advanced users who would like an intuitive experience for their day to day needs across portfolio management, staking, NFTs, dapp discovery, crowdloans and more.

Context of the proposal

Talisman (talisman.xyz) is a community-owned wallet and web application that enables users to "Traverse the Paraverse" with ease. We believe in a future where everyone has freedom via true agency over their intentions and finances, and we believe that the Polkadot ecosystem will bring this to fruition.

For more on Talisman's mission and approach, please see Agyle's talk at Polkadot Decoded:

 [Polkadot Decoded 2022: Traverse the Paraverse: How Talisman is bringing multi-chain to ...](#)

And Nipsey's talk about wallet UX at the Sub0 developer conference:

[Talisman: The UX Chronicles: How To Deliver A Substrate Experience To The Masses | Sub0 2022 - YouTube](#)

Today, because of its early stage of development and complex multi-chain architecture, both Polkadot and Kusama are changing rapidly and the user experience (UX) can be confusing for end users. It's our goal to solve that using design, storytelling, and engineering. We abstract away the complexity of underlying implementation and provide a friendly user experience when using DotSama and a way to discover new applications and services available to end users, while keeping them safe and educated about the actions they are taking.

Talisman has two products: a [browser extension wallet](#) and a [user-friendly web application](#). Since launching in early 2022, Talisman has been able to achieve the following:

- Talisman's DOT Nomination pools driving by one click staking in the Portal web application have garnered over 1,000,000 DOT since launch, as of Feb 2023.
- Our wallet has recently crossed 20,000 active users, as measured by the Chrome and Firefox app stores
- We have over 4000 users in [our Discord community](#), as well as a highly engaged "Spirit Key" community with over 130 active contributors
- Thousands of weekly users of Talisman's web app (app.talisman.xyz), a dapp that works with multiple Polkadot wallets
- Our users frequently mention that they would recommend Talisman to users new to the Polkadot ecosystem because alternatives, particularly Polkadot.js, are too complicated



Talisman was founded in 2021 by Agyle, Nipsey, H00D and Swami, who previously worked together at a web3 venture studio between 2018 and 2021. Over the past year, the core team has grown to fourteen people. There are no conflicts of interest between the team and governing bodies for Polkadot or Kusama.

Make Polkadot Easy

We believe our mission in the Polkadot ecosystem is to design for the user, advocate for the user, and build for the user. This means staying on top of the complex multi-chain functionality being built in Polkadot today, but synthesizing it down to a great user experience that allows the

user to understand and get their job done quickly and easily, while harnessing the full power of advanced functionality when necessary.

We believe that this user-focused approach is necessary for Polkadot to expand and flourish. Success is not only user feedback and appreciation for our ease of use, but ultimately we judge ourselves on our ability to enable liquidity to flow into Polkadot to the benefit of all in the ecosystem, and that rests on the user experience of Polkadot, across new users, advanced users, and teams.

We build in an open, community-driven way and we are committed to building for the community, including users, teams, institutions, infrastructure providers, and any other ecosystem stakeholder.

Prior Proposals

Talisman has a stellar track record of executing on treasury proposals:

[Cross-Chain Transaction History](#) (2022)

This proposal is for a web service that facilitates pulling an address's transaction history across DotSama chains, as well as an end-user focused UI integrated into Talisman's open source asset management dashboard hosted at app.talisman.xyz.

[Business-Friendly MultiSig UI](#) (Approved March 2023; currently in progress)

This proposal is for a business-friendly multisig frontend to lower the difficulty for teams and businesses when running their financial operations on Polkadot. Teams currently face many difficulties when trying to perform these operations, risking mistakes along the way, and leading them to choose convenience over security. We will apply Talisman's UX and design philosophy to create improvements for standard workflows for Polkadot multisig usage (based on the current multisig pallet), and eventually integrate upgrades when improvements to the multisig pallet itself are available.

The Talisman Portal

The Talisman Portal is a “one stop shop” for Polkadot ecosystem activities. As an open source dapp hosted at <https://app.talisman.xyz>, it targets the Polkadot Adventurer, a crypto user who believes in the Polkadot vision and spends a large chunk of time exploring and participating in ecosystem activities, including:

- Viewing, managing and organizing multi-chain assets (tokens, NFTs) and accounts

- Generating a return on investment for their portfolio (we do not provide financial advice, but rather allow users to better understand their positions and opportunities)
- Discovering and participating new dapps and services available in the ecosystem, such as crowdloans (live) and governance (targeted for later in 2023)
- Education and learning about Polkadot, the ecosystem and dapps and services that are available

More than just providing a feature set, Portal is designed with the user first, because UX and design are incredibly hard problems in a multi-chain and quickly-evolving environment. Polkadot Adventurers are committed to being in Polkadot, but they need trusted tools that simplify the experience and enable them to become evangelists that ultimately bring new users into the ecosystem.

The following feedback is from a recent user survey in Feb 2023 about Talisman Portal:

- “Being easy to use is why I recommend it to my normie frens”
- “I consider the strength to be viewing cross-chain assets all in one place”
- “Definitely better UI/UX and easier to use than Polkadot.js”
- “Awesome design and an essential tool for day to day use of Polkadot”
- “The super simple interface gives me peace of mind when dealing with my money”
- 90% consider staking easier to use than Polkadot.js or the most convenient way to stake DOT

Problem Statement

The current landscape of browser based portfolio management is fragmented with varying levels of UX. For the Polkadot ecosystem to get to the next level of usage and liquidity, usability is a limiting factor. With Talisman Portal, we want to unify many of these experiences into a beautiful experience that any user in the Polkadot ecosystem can enjoy, regardless of what wallet they have installed.

Current portfolio management solutions are either limited - users need to install a specific wallet to view this information, or they are not multichain - requiring users to switch between networks to see their assets.

The Talisman Portal will solve these problems by building a true multichain portfolio management experience (similar to the multichain experience in the Talisman wallet) and greatly improve the user experience for the whole Polkadot ecosystem.

Solution & Proposal Objective

Milestones

The Talisman Portal (<https://app.talisman.xyz>) is an open source product that supports any Polkadot ecosystem wallet. For the purpose of treasury funding, we break development down into Milestones, as summarized below.

Milestone 1 (Current Proposal)

This proposal lists out feature areas that we will focus on in Milestone 1 (this proposal). We will make improvements to the Talisman Portal Web App across the following feature areas:

1. Project Explore Dapp Directory
2. Multichain NFT Viewing
3. DOT Nomination Pools
4. Portfolio Improvements
5. NFT Organization & Categorization
6. Watched Wallet & Wallet Explore
7. TX History Improvements
8. Misc Improvements

Milestone 1 has been broken down into two stages:

- Stage 1 (Items 1-3 above) is complete and has been released. Stage 1 is being funded retroactively.
- Stage 2 (Items 4-8 above) is in progress at the time of the writing of this proposal, with a goal to complete development in March 2023.

Please see the Implementation section below for more detail on each feature..

The end product will be released and integrated into Talisman's open source asset management web app:

<https://app.talisman.xyz>

<https://github.com/TalismanSociety/talisman-web>

<https://github.com/TalismanSociety/txhistory-squid>

Milestone 2 and Beyond (Future Proposals)

We will map out Milestone 2 in more detail after the current proposal, as we gather feedback and suggested improvements from the community. Here is a selection of items that we may add:

- Support for more NFT standards, including, but not limited to: Ajuna, Unique, Terno, Bit.country
- Sending NFTs
- Staking additional assets & viewing staked positions
- Improvements to account management
- XCM functionality
- Mobile responsiveness for better use on smartphones
- Improved discovery, filtering, search & favorites for Dapp Directory
- KSM Nomination Pool support

Please feel free to get in touch with us if you have suggestions for future improvements. Our [Discord](#) is a great place to give suggestions, as well as our [Upvoty feature request board](#).

Stakeholders

Users will be able to access a web app (app.talisman.xyz), connect a wallet, or input an address and view detailed information on their portfolio, including assets, NFTs and transaction history. Polkadot is generally considered to be difficult to use, and our intention is to provide a simple user experience for common actions.

Applications will be able to be listed in the Talisman Explore feature which is part of the Talisman Portal, enabling discovery from new users. This includes Defi apps, DAOs, games and many other categories of applications, services or communities in Polkadot.

- We have a [Typeform](#) where anyone can request a listing for a new Dapp. This is also linked from the page itself.

The **Polkadot Ecosystem** will have a starting point for new users that is designed around their needs and experience, rather than around the technology, which is more suitable for developers and builders. Talisman will lead by providing an intuitive UI and user experience that welcomes users into our ecosystem.

- One great example of this, directly enabled by the work in this proposal, is the usage of Talisman's nomination pool, which has garnered the largest amount of DOT since launch (>1M DOT). This is more than we thought we would achieve within a few months, but we

are happy to see the reception of the ecosystem and hope to continue to enable users to stake easily no matter how much or little DOT they have in their account.

Special Note re: *Talisman's nomination pools (Pool 12 and Pool 16 on Polkadot)*

- *There is a distinction between the UI for nomination pools, which is a part of the Portal web application and the provisioning/management of the nomination pools themselves. This proposal is to fund the UI for the nomination pools, i.e. the React front-end web application hosted at <https://app.talisman.xyz>, of which the open source code is hosted at this link (<https://github.com/TalismanSociety/talisman-web>). The web app allows the user to select from any available nomination pool, not just Talisman's pools. The open source nature of this web app allows anyone to easily customize the code to their needs to set up a modified self-hosted version that retains the simplified staking interface but is fit for any particular purpose.*
- *Selection of the pools to present to the user is done via an open source algorithm, hosted here: <https://github.com/TalismanSociety/dot-pool-selector>, that is also retroactively funded as a part of this proposal.*
- *The actual pools themselves, including the provisioning of the pools, the contribution of the initial DOT, the validator evaluation/selection/rotation, performance/uptime monitoring and related activities that go towards providing a trustworthy pool for consumers are NOT part of this grant. We consider that a separate part of the business that potentially could generate revenue in the future against the services it provides. Given the separate initiative for the management of Talisman nomination pools, as well as the fact that the web application supports all available nomination pools (not just Talisman ones), there is likely not a competitive advantage provided by the web application to the pools that could potentially generate revenue in the future.*

Implementation & Milestones

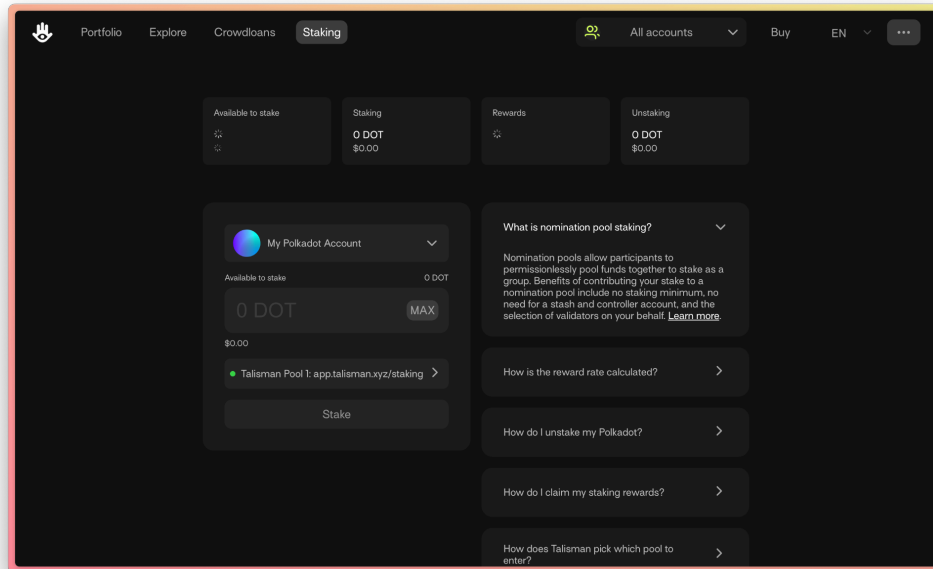
This proposal corresponds to Milestone 1 for the Talisman Portal web application, divided into two stages. A description of each intended feature is listed below. We roughly plan to work in the following order, however it's possible that we may change/adapt in real time according to needs or events in the ecosystem.

Stage 1 (✅ Complete)

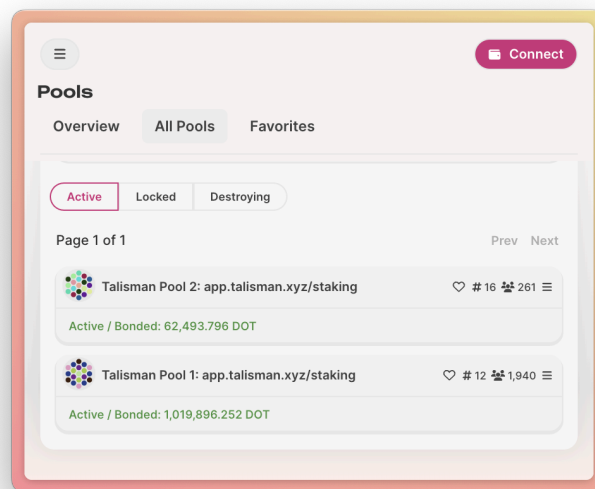
Stage 1 has been completed as of December 2022. Please see screenshots below for each completed section.

DOT Staking via Nomination Pools (✅ Complete)

Feature	Description
1 click staking for \$DOT	This gives the ability for users to easily stake their \$DOT held on the relay chain with one click.
Automatic pool selection	This algorithm automatically picks the best pool for the user based on a number of criteria, like users, \$DOT contributed, health of the validators etc.
Pool selection	The ability for a user to manually select which pool they would like to stake to, if they decide against the recommended pool. This UI lets the user swap pools and also links out to allow for easy research about the different pools.
Link to individual nomination pool	Ability for a nomination pool owner to pass out a link directly to their nomination pool staking page.
Add to staked \$DOT amount	The ability for a user to add to their existing pooled staking, regardless of where they staked (e.g. they could use another product for the original stake).
Unstaking from Pooled staking	The ability for a user to unstake all, or a partial amount of funds from their staked position.
Claim rewards	The ability for a user to claim staking rewards
FAQs UI for users	FAQs for users to help them to understand the staking process.



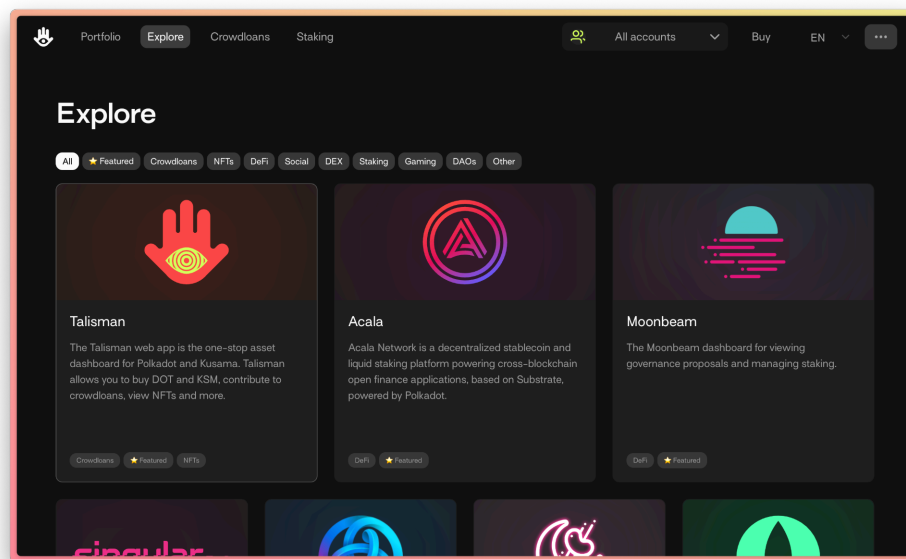
Screenshot of the Staking Page



Screenshot from the Polkadot Staking Dashboard on March 2, 2023 showing >1M DOT in Talisman's nomination pools

Project Explore Dapp Directory (✅ Complete)

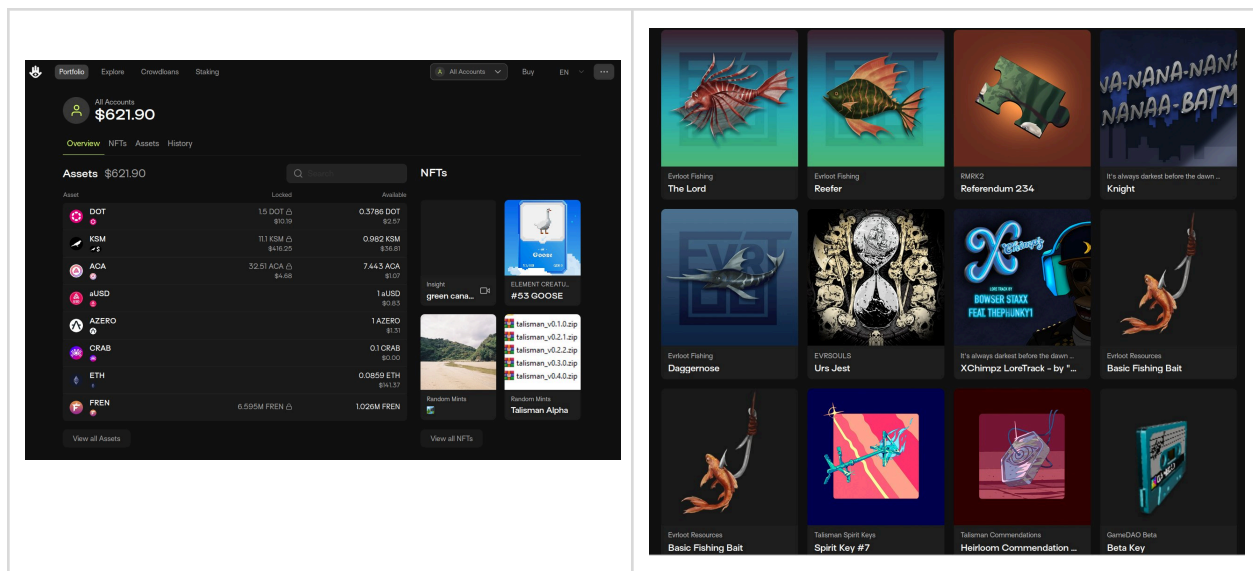
Feature	Description
Displaying projects	The ability for a user to easily see all the listed projects in a beautiful UI. This explore directory lists NFT projects, games, DeFi products, DAOs and more. This line item also covers the CRM setup to host and manage all of the listed items.
Filtering projects	The ability for a user to filter the list of projects based on specific tags
Featured projects	The ability for a user to easily see `Featured` projects / dapps in the UI.
Missing project	The ability for a user to easily recommend a missing project to be added to the explore page.



Screenshot of the Explore Page

Multichain NFT Viewing (✅ Complete)

Feature	Description
Displaying NFTs from multiple substrate and ethereum chains	The ability for a user to see NFTs of the following types: Acala, EVM, RMRK1, RMRK2, and Statemine.
View NFT details	The ability to view more details about each NFT a user owns, including information such as: the network, NFT edition (if applicable), etc. For video / audio NFTs, this will also let the user play and/or listen to the NFT.



Screenshots of NFT Additions to Talisman Portal

Stage 2

The items for Stage 2 are in progress.

Portfolio Improvements (Complete)

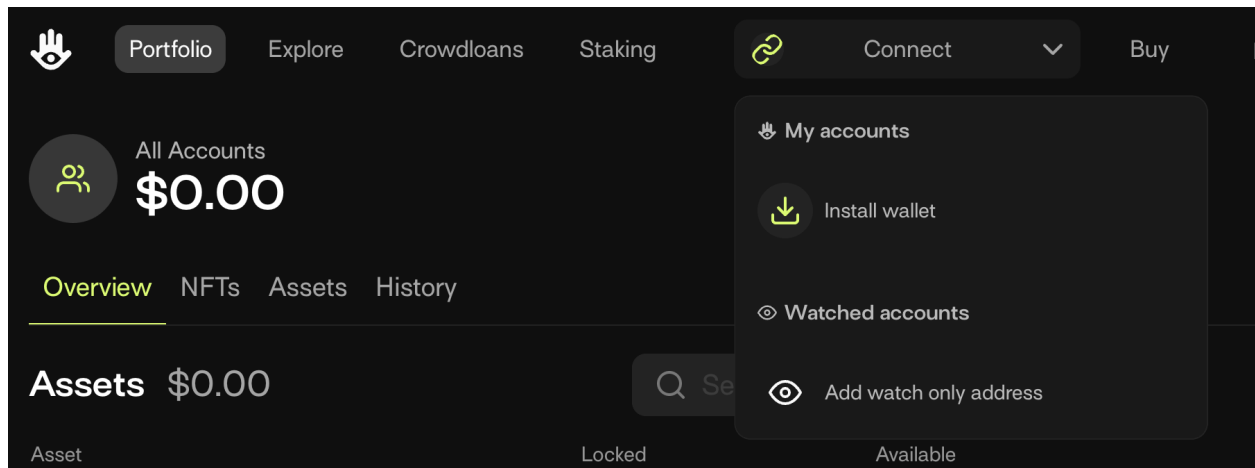
Feature	Description
Redesigned portfolio experience	<p>Bringing the much loved asset management experience from the Talisman wallet, to the Talisman Portal. This will give the user the ability to see all assets held in their wallets, across all wallet addresses and all chains at once, a truly multi-chain portfolio experience.</p> <p>This new portfolio experience will show the user a dashboard of their assets, NFTs, staking positions and crowdloans, all together in a cohesive UI, Talisman style.</p> <p>The added benefit for users is they will be able to connect wallets other than Talisman to the Talisman portal to visualize their assets, this includes Polkadot.js, Subwallet, Enkrypt and Talisman. Additional wallets can easily be added as the wallet landscape changes over time.</p>
Asset / network searching	The ability for a user to search for an asset in their portfolio, or based on a network.
Navigation updates	This will make assets, NFTs and the user's history become more contextual based on the wallet address they are looking at.
Account selector	Improve the account selector so that it's easier to identify which wallet is being selected. This will add fiat pricing and the Talisman orbs / Polkadot identicons to the account selection.
Onramp updates	<p>This will give the user the ability to buy via the Banxa onramp. Banxa has better asset support than alternatives and lower KYC thresholds for users.</p> <p>This feature will also bring over the UI from the wallet, allowing better asset selection and fiat input before routing the user to the onramp.</p>

NFT Organization (In progress)

Feature	Description
Sorting / Filtering	The ability for a user to filter and sort the NFTs in their collection based on different atomic principles. E.g. Users might want to filter based on their Moonriver NFTs only, or users might want to sort based on collection, or sort specific NFTs within a collection.
Hide NFTs	The ability for a user to hide NFTs they no longer want to see in their portfolio.
Favourite NFTs	The ability for a user to favourite up to 4 NFTs to appear in their portfolio page.

Watched Wallet & Wallet Explore (✅ Complete)

Feature	Description
Viewing any wallet	The ability for a user to enter any polkadot or ethereum wallet address and have the data on the Portal refreshed with the details of this wallet address. Useful for looking at popular wallets, or wallets of cold storage you'd prefer not to connect to the internet.
Saving wallet addresses	The ability for a user to save a wallet address that isn't injected by a browser based wallet. This wallet address will be able to be renamed and will sit alongside the users other wallets.
Hide watched wallets from `all accounts`	The ability for a user to not display the assets / NFTs / staking of `watched wallets` in their `All Account` portfolio view.
Wallet explore	The ability for a user to explore popular or notable wallets, e.g. Birdo's wallet or Gav's wallet.



Talisman

Feature Revisions & Improvements (In Progress)

As we develop and release features, we gather feedback from users to understand if there are any additional features or improvements. These are “point” improvements we have mapped out based on previous features.

Feature	Description
Download a CSV of multi-chain transaction history [<input checked="" type="checkbox"/> Complete]	The ability for a user to input an address and a date range and download a CSV of transactions across multiple chains.
Fast Unstake [In Progress]	The ability for a user to unstake from an existing staking position that is not earning staking rewards without waiting the customary 28 day period and immediately stake into a nomination pool. This feature is dependent on the underlying functionality to be released on the Polkadot Relay Chain.
Portal UI Refresh [<input checked="" type="checkbox"/> Complete]	Refresh the UI to enable better discovery of features and an intuitive experience for users.

Relevant Team

1. Head of Engineering
2. Head of Design
3. Senior Software Engineer
4. Software Engineer
5. Product Manager
6. Product Designer

Timeline

The implementation is broken up into two Stages, where Stage 1 covers work from Oct to Nov 2022 and Stage 2 covers work starting Dec 2022. The timeline for Stage 1 is two weeks to write a report on the features already built and the value that it has provided.

Feature	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9
Project Explore	Discovery & Shaping	Building	Release						
Multichain NFT Viewing		Discovery & Shaping	Building				Testing & Release		
DOT Nom Pools		Discovery & Shaping	Building				Testing & Release	Testing & Release	

Stage two is expected to take 16 weeks, starting in December 2022 and ending in March 2023. The actual start date may be adjusted depending on the date that the grant is accepted and funds are transferred.

Feature	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14	Week 15	Week 16
Portfolio v2 & Nav & onramps	Discovery & Shaping	Building					Testing	Release & 0.1 improv								
NFT features			Discovery & Shaping	Building					Testing	Release						
Watched wallet & wallet explore							Discovery & Shaping	Building			Testing & Release					
Misc Improvements											Discovery & Shaping	Building			Testing	Release

Payment Details

We are requesting \$395,000 USD to be paid upfront, as this proposal consists of a single milestone. Please see the cost breakdown on the following page.

This will be converted to a quantity of DOT using the EMA-7 Dot price from [Subscan](#) on the date of submission.

The EMA-7 price is \$6.236 on 2-April-2023. $\$395,000 / \$6.236 = 63341$ DOT.

Dates: Oct 2022-March 2023

Average fully loaded cost per person: \$125 USD/hr

Total days at 8 hrs/day: 2,960

Total person-days: 395

Budget Breakdown

Stage	Feature	Days effort	Stage Cost
Stage 1	DOT Staking	74	\$74,000
	Explore Projects	27	\$27,000
	Multichain NFT viewing	62.5	\$62,500
	Total	163.5	\$163,500
Stage 2	Portfolio Improvements	69.5	\$69,500
	NFT organization	64	\$64,000
	Watched wallet and wallet explore	46	\$46,000
	Misc Improvements	52	\$52,000
	Total	231.5	\$231,500
Grand Total (USD)			\$395,000

Beneficiary Information

Fund recipient address: 128tk6D5CvYvGFtjTgZT8yrD2wPWZyczBoj8LzkmGpTNbo9
(Paraverse Talisman Proposals, Polkadot)

Fund manager contact: William Chen (william@talisman.xyz)

Comments, Q&A

Please see the discussion [\[here\]](#) on Polkasassembly for this proposal. We have engaged each of the commenters who have requested further discussion.

How did you find out about the Polkadot Treasury?

As a wallet, we are frequently in contact with Parity as well as parachains and developers in the ecosystem. The treasury is a well-known source of funding.