

Treasury Proposal: Infinity Wallet Milestone 1



Proponent: 14MSL1MisG2HfzRnTWVqn7ZyXTzYHa3SxZEDf3XLXNZNCgmx ([Infinity Wallet](#))

Date: 12/04/2024

Requested DOT: 9,924 DOT (~\$69,000 at time of proposal);

Short description: Integration of Polkadot, Kusama and their ecosystems into the Infinity Wallet all-in-one gateway!

Project Category/Type: Software development

Notice

This proposal is a modified resubmission based on feedback and requests from the previous Infinity Wallet proposal that we revoked. We are re-submitting this proposal with changes based on the feedback from delegates within Polkadot governance, regarding the only two main points that voters had issue with, which have now been resolved:

1. Most of the delegates (ChaosDAO, Jimmytudeski, Polkadotters, Helikon & Saxemberg) wanted to see the proposal split into smaller milestone proposals, to prove our ability to deliver and show our experience with Polkadot at a smaller scale, while displaying the value we can add to Polkadot & Kusama. We have split the proposal into 3 milestones, in which on successful completion of milestone 1 we will submit a budget proposal for milestone 2, and then milestone 3;
2. A couple of the delegates (ChaosDAO and Jimmytudeski) had concerns regarding the budget of the proposal being too low to deliver in the timeline proposed. We have slightly increased the total budget of the proposal to accommodate this feedback and allow for any unseen potential hurdles.

In-addition, we have:

- Added a competitive breakdown of Polkadot and its 3 main wallets;
- Updated milestones & deliverables with additional deliverables;
- Added UI examples of the native desktop app, web3 browser and upcoming mobile app;
- Added some KPI goals we look to achieve;
- Added a section listing some points on the value add of the proposal;

1- Context of the proposal

This proposal details the integration and support of the Polkadot & Kusama ecosystem within the Infinity Wallet & Web3 Browser ecosystem on desktop. Describing the potential benefits and what would be required to complete the developments and integration of Polkadot, Kusama and their ecosystem across the Infinity Wallet as native supported chains. To provide ongoing value and further expand the Polkadot & Kusama ecosystem to a currently unserved user-base.

What is Infinity Wallet?

Infinity Wallet is a decentralized all-in-one non-custodial wallet ecosystem and Web3 browser, that provides a one-stop solution for all a user's decentralized needs (a Wallet and Web3 browser super-app). Infinity Wallet is uniquely not a browser extension, but a stand-alone application, enabling seamless onboarding and easy access and use of crypto, cross-border payments, DeFi, NFTs and Web3. All within a single unique platform on desktop launched in

2020 and supporting around 48,000 MAU, with mobile version launching in 2024 that will redefine the entire mobile crypto wallet experience.

We are actively building to improve the user experience, opening up ease of access to the decentralized world for both less tech-savvy users and existing users in the space. Removing many of the barriers that exist today, to provide a more enhanced and curated in-wallet user experience with a high quality user interface, as a one-stop hub and seamless multi-chain wallet solution. Our goal is to make it as easy as possible for everyone to onboard into the decentralized space and Web3, as it is with the Web2 space today.

A further introduction can be found in our information deck, along with some UI examples:
<https://infinitywallet.io/docs/Infinity%20Wallet%20Deck.pdf>



Mission & Vision:

We are on a mission to empower people around the world, to enable them to take control and unlock the global potential of blockchain, cross-border payments, decentralized finance (DeFi) and Web3, for everyday use and a fairer future.

As a platform we seek to remove the complexities that exist today within the space, enhancing the user experience to make onboarding and use as seamless as possible. While delivering all a user's decentralized needs, directly accessible via a single one-stop multi-chain solution.

Team:

Our team members have 5-10+ years of experience within the crypto/decentralized space (as holders, miners and developers), so we have a vast amount of experience and understanding of major shortcomings in the market, along with what is needed to enable mass adoption. Additionally, we have a background in software development and UI/UX, which we have leveraged to build our one-stop solution.

Below is a brief introduction to the core team members:

Aaron (Team Lead) - <https://www.linkedin.com/in/aaron-b-418020a5/> - A background in software development and UI/UX design, received a scholarship for a Google Nanodegree and masters in computer science. Has over a decade of experience in the crypto space as a user, investor and developer.

Kyan (Operations Lead) - A background in computer science and finances, with a masters degree in computer science. Kyan has close to 8 years of experience in the crypto space as a user and investor.

Juan (Tech lead) - <https://www.linkedin.com/in/juan-dominguez-adame-0480a0120/> - A background in software development and hardware, with a masters degree in computer science. Juan has over a decade of experience in the crypto space as a miner and developer.

Further information on the team can be found at the following link

https://docs.google.com/document/d/1c4fpzI64569uNr8l9Ygo_G3x2NTs_Dq8wRGSnOXH14/edit?usp=sharing

2- Problem & Solution statement

The Polkadot & Kusama ecosystem lack user-friendly A+ one-stop wallet solutions!

Wallets are the core component required for any chain or decentralized ecosystem, enabling users to interact and onboard to Polkadot & Kusama, and access the Polkadot & Kusama ecosystem (Payments, DApps, DeFi, Web3, NFTs, Decentralized Identity and much more). Wallets are one of the key factors for usage and adoption of a blockchain ecosystem, however as of today wallets are one of the least well developed applications in the crypto ecosystem.

Today, wallets act mainly as an interface, serving primarily as a transaction signing layer. They generally have very limited functionality or in-wallet features, requiring the use of multiple platforms, and lacking in basic UX. While also being too complicated and confusing to use with aesthetically poor user interfaces. With most platforms built with a focus on those with technical experience rather than actual end users for mass adoption. This has been sufficient for the early adopters, however for the next billion users to onboard, a more curated, frictionless and high quality user experience is required!

As of today the Polkadot & Kusama ecosystem have very few wallet solutions. There is no wallet one-stop super app for mobile & desktop, and there is no stand-alone desktop wallet or Web3 browser (only browser extensions)! The solutions that do exist today are not built for mass adoption or use by less tech savvy users, instead they are built more for today's existing small user-base of savvy users and developers. Providing unintuitive low quality user interfaces, lacking a curated in-wallet experience, are not a one-stop solution as they lack many features/services that users require, and overall provide a very basic and low user experience standard.

For the Polkadot & Kusama ecosystem to grow and attract users and developers for years to come, it needs all-in-one user-friendly wallet super apps that provide a complete solution, and focus on solutions to enhance the user experience. To enable users to more easily onboard, adopt and use Polkadot & Kusama, and learn/discover the Polkadot & Kusama ecosystem as their home. Infinity Wallet is exactly that, a one-stop solution! As we continue to work to streamline accessibility and lower the barrier to entry, to allow for easy onboarding and adoption by both the general less tech-savvy user and existing users in the space!

3- Proposal objective

The Polkadot & Kusama ecosystems have an ecosystem gap that we look to fill. Currently Polkadot & Kusama have no native desktop wallet & web3 browser. As of today the Polkadot & Kusama ecosystem has very basic mobile wallets and browser extensions, which provide limited features/services, lack a focus on providing a premium user experience, and overall do not meet general user's demands. They are not one-stop wallet solutions built for the masses, but rather app interfaces to interact with the chain built more for tech-savvy users and developers.

The goal of the proposal is to enhance the Polkadot & Kusama ecosystem with a much needed one-stop user focused wallet and web3 browser platform, through integrating Polkadot & Kusama to benefit from the many advancements and features that Infinity Wallet has. Bringing much needed valuable infrastructure, features/services and ecosystem support, which the Polkadot & Kusama ecosystem currently lacks. While enhancing the user experience and bringing new utility, and allowing for easier usage, access and adoption of the Polkadot & Kusama ecosystem by less tech-savvy users. In addition to empowering developers with easier discoverability and usability of their Parachains, DApps & Tokens, driving easier adoption.

Infinity Wallet will provide continuous sustainable value to the Polkadot & Kusama ecosystem for many years to come. Enabling users to seamlessly onboard, access/use and discover the Polkadot & Kusama ecosystem in a single platform on both Desktop and soon Mobile (in addition to Hardware wallet in the future). Additionally, Polkadot, Kusama & Parachains would have access to current and future users of the Infinity Wallet, allowing for ongoing discoverability and adoption via the Infinity Wallet, along with the ongoing ecosystem/developer support we would provide Polkadot, Kusama and Parachains with. In addition to planned future developments and those suggested by the community, as we continue to build out future infrastructure, features and services, to provide the ultimate one-stop solution for a user's decentralized needs on Polkadot & Kusama (eg. Mobile wallet, DeFi Card, Hardware wallet, Lending/Borrowing, Social wallet account abstraction, etc.).

The proposal is split into 3 smaller milestone proposals overall focusing on integration and development of Polkadot, Kusama and their ecosystems:

- Core wallet integration (Store, send, receive, create/restore, request, balance tracking and other core wallet functionality);
- Complete Transaction History with support for different transaction types;
- Portfolio and analytics dashboard;
- Support for tokens ("assets");

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- Web3 Browser (not a browser extension);
 - DApp store (listing all DApps);
 - Cross-chain swaps;
 - Fiat on/off ramp;
 - Wallet Connect;
 - NFT Integration;
 - Account Abstraction Social Wallet;
 - XCM transfers;
 - XCM swaps;

4- Value add of the proposal

- A unique platform, as a complete one-stop native desktop wallet which is currently lacking in the Polkadot & Kusama ecosystem to tap into an unserved user base. Delivering a user first approach with a premium experience, from high quality UI, one-stop platform, and multiple UX enhancements, required for mass adoption by less tech-savvy users on desktop and soon coming to mobile;
- Enable Web3 to be more easily adopted and used on desktop via the first native desktop Web3 browser & DApp store. Finally freeing desktop users from being limited to using only the currently existing solutions (unintuitive and feature-lacking browser extension wallets) to access Web3 and DApps. While providing a simpler, easy to use medium to access Web3 and discover DApps across multiple chains & parachains at the same time;
- A platform actively solving issues within the space today. Such as, the need to learn and use multiple platforms for each chain, lack of live user DeFi & Web3 support to help users learn and onboard, lack of limited in-wallet features/services with no complete one-stop wallet solution (limiting the user experience, along with user accessibility/usage), limited wallet solution types (mainly limited to seed phrase wallets), gas requirements (requiring a chain's token to pay a fee rather than paying in the token transacting with), high swap as well as on/off-boarding fees, and outdated user interfaces with limited functionality. These all contribute to a bad user experience, which users currently have with the existing ecosystem, and are all points that we look to solve. With most platforms focusing more on the current existing crypto community, rather than on onboarding the masses of less technical end users and providing unique and innovative solutions to user's needs;

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- Enable easier ecosystem (Parachains, DApps, Tokens & other services) discoverability & accessibility, while increasing/simplifying adoption through the Infinity Wallet & Web3 Browser;
 - A simplified multi-chain experience, as the first multi-chain wallet to completely support Polkadot as a default native chain with all native Polkadot features delivering a unified wallet experience. This eliminates the need for multiple wallets or platforms, streamlining the user experience and enabling easier onboarding and interoperability between Polakdot and other ecosystems;
 - Meet the high demand of user requests for us to integrate and expand the Polkadot ecosystem;
 - Gain a valuable new ecosystem participant/partner that looks to heavily invest and provide/contribute on an ongoing basis to Polkadot and its ecosystem for years to come, from new developments, features/services, partnerships and driving adoption;

5- Competitive Breakdown

Wallet Name	Infinity Wallet	Talisman	SubWallet	Nova Wallet
Desktop Wallet	YES	NO	NO	NO
Mobile Wallet	YES	NO	YES	YES
Browser Extension Wallet	NO	YES	YES	NO
Web3 Browser (Desktop)	YES	NO	NO	NO
Wallets created or Downloads	2,500,000 wallets	80,000 downloads	300,000 browser extension + 100,000 Android downloads + iOS Unknown	50,000 Android downloads + iOS Unknown
VC/Angel Funding	Never raised funding, built from the ground up and adopted due to demand	\$2.35 Million funding	No information available	No information available
In-wallet Features				
Portfolio & Analytics Dashboard	Yes	NO	NO	NO
Asset Management	Yes	Yes (very basic functionality)	Yes (very basic functionality)	Yes
Complete Transaction History	Yes	NO	Yes (very basic and unclear transaction types)	Yes
DeFi/DApp Platform Transaction Tracking (Swaps, Liquidity, Positions and etc...)	Yes	NO	NO	NO
NFTs	Yes	NO (goes to external DApp)	Yes	Yes
Staking	Yes (in development and to be released with mobile)	NO (goes to external DApp)	Yes	Yes
Buy/Sell	Yes (supports Buy and Sell. NO KYC for up to 700€ a day)	Yes/NO (Supports Buying with a 3rd party, but not selling. Requires KYC for any amount)	NO (only lists where you can buy on other platforms)	NO (only lists where you can buy on other platforms)
DApp Store	Yes	NO	Yes (Mobile) NO (Browser Extension)	Yes
Cross-chain Swap	Yes	NO	NO	NO (only supports swapping on HYDRADx)
Cross-chain bridge	Yes	NO	NO	NO
XCM Transfer	Yes (as part of the proposal will be developed)	NO (goes to external DApp)	Yes	Yes
XCM Swaps	Yes (as part of the proposal will be developed)	NO	NO	NO
WalletConnect	Yes	NO	Yes	Yes
Crowdloans	NO (will go to external DApp as part of the proposal)	NO (goes to external DApp)	Yes	Yes
Market Stats Tracking (Market Overview, Individual Asset market stats, Price Alerts)	Yes	NO	NO	NO
News	Yes	NO	NO	NO
Seed Wallet	Yes	Yes	Yes	Yes
Account Abstraction Wallet (Social Wallet for less-tech savvy users)	Yes (in development and to be released with mobile)	NO	NO	NO
Future Roadmap Developments				
Cloud Backup & Recovery	Yes	Unknown	Unknown	Yes
Portfolio Dashboard DeFi Positions	Yes	Unknown	Unknown	Unknown
Lending & Borrowing	Yes	Unknown	Unknown	Unknown
Crypto Card (Real world payments from your crypto wallet)	Yes	Unknown	Unknown	Unknown
Crypto Bags (buy a single index to gain exposure to multiple cryptos)	Yes	Unknown	Unknown	Unknown
Multi-sig Wallet	Yes	Unknown	Unknown	Unknown
Own Hardware Wallet device	Yes	Unknown	Unknown	Unknown

6- Deliverables

The below deliverables will be delivered for both the Polkadot and Kusama ecosystem, divided into 3 milestones. Each milestone will be proposed sequentially upon successful completion of the previous one:

Milestone 1 (current referendum proposal)

Deliverable Title	Breakdown
Polkadot & Kusama core integration	• Polkadot & Kusama native chain integration/support in wallet as primary chains; • Core functionalities to be able to interact with and utilize Polkadot & Kusama ecosystems (store, send, receive, request, create/restore, backup, balance tracking and other core wallet functionality);
Transaction history	• Complete in-wallet transaction history with additional information (balance movements, \$ value at time, \$ value now, balance movement charts, and more); • Support for showing different transaction types along with the required data for users to easily identify types of transactions;
Portfolio Dashboard	• Integrate/develop portfolio & analytics management for Polkadot & Kusama, such historical price tracking, performance graphs, allocations and many other portfolio and analytical data/functionality.
Cross-chain swap aggregator & Fiat on/off ramp	• Cross-chain swap/bridge aggregator support for Polkadot & Kusama. Allowing users to directly onboard to Polkadot & Kusama from other chains (BTC, LTC, XLM, XRP, etc.) within a single click; • Support for DOT, KSM and tokens such as USDT (DOT) once integrated, within the fiat on/off ramp integration enabling users to easily buy and sell;

Milestone 2 (future referendum proposal):

Deliverable Title	Breakdown
Polkadot & Kusama token support & management (allowing easy use of all tokens)	• Ability to import and custom manage any non-default integrated token; • Develop out support for tokens across Infinity Wallet (send, receive, request, balances, transaction history, DApps etc.) and available Infinity Wallet features; • Support top Polkadot & Kusama tokens as default enabled/integrated for instant use for free. Waiving integration fees for Polkadot & Kusama tokens that apply to be listed in the Infinity Wallet. (removing the need to be imported, and additional benefits);
Web3 Browser & DApp Store	• Desktop Web3 Browser to allow for seamless transacting and connecting to Polkadot & Kusama Web3 projects, Parachains, and DApps, without the need for browser extensions; • Web3/DApp Store to list Polkadot, Kusama and Parachain based DApps allowing users to learn about and easily discover and adopt Polkadot & Kusama ecosystem projects;
Transaction DApp Resolver	• Transaction resolver for DApp transactions allowing DApp transactions to be linked to the DApp transacted with for easily identifying transaction history in-wallet;
Wallet Connect	• Support connecting & transacting with Polkadot & Kusama DApps via Wallet Connect;
NFT Integration	• NFT Gallery dashboard for users to view and track all their NFTs; • Individual NFT viewing with stats/data and easy one-click trading; • Send, receive and request NFTs;

Milestone 3 (future referendum proposal):

Deliverable Title	Breakdown
Account Abstraction Social Wallet	• A social wallet account abstraction solution allowing users to one-click create & recover their non-custodial wallets, while removing the need for a seed phrase enabling easier mass adoption by less tech-savvy users and improving the user experience (in-addition, we will be looking in the future to improve further the UX with gas abstraction solutions for supported chains);
XCM Transfers for Polkadot, Kusama & Parachains	• Support XCM transfers, enabling a seamless experience for cross-chain transfer between Polkadot and Kusama to/from parachains;
XCM Swaps for Polkadot, Kusama & Parachains	• Support XCM swaps, enabling a seamless experience for inter-chain swapping between Polkadot and Kusama to/from parachains, delivering a completely enhanced in-wallet cross-chain UX;
Marketing & Adoption	• Newsletter Announcement to over 114,000 subscribers that would receive an email regarding Polkadot, making them aware of the advantages of Polkadot and how they could now easily buy to/from, cross-chain swap, hold and use Polkadot in their wallet, and interact with the Polkadot ecosystem; • Mass Awareness to our existing user base, with over 2,500,000 wallets that would receive an in-wallet notification regarding Polkadot availability the next time they access their wallet. Directing their attention to expand their existing self-custodial multi-chain portfolio to include Polkadot and participate in the ecosystem; • User Education, educate users about the benefits and features of Polkadot through blog/education articles and content about Polkadot and Polkadot ecosystem projects we work with (DApps, Parachain & Tokens). This proactive approach will help users understand the value proposition of Polkadot and encourage them to explore and participate in its ecosystem;

	• Integration Partnerships, we look to partner and do marketing activities (social announcement, blog/educational content, in-wallet notification and provide constant discoverability & adoption from existing and future Infinity Wallet users) with Polkadot ecosystem projects (Dapps & tokens) and parachains we directly integrate, while aiming to support over 40 DApps within the Infinity Wallet within the first 6 months;
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7- Budget & Payment Details

Payment Details:

- **Milestone 1 Total amount:** 9,924 DOT (~\$69,000, includes 25% Tax);
- **Hourly Rate:** 17.2 DOT (~\$120, price of DOT at time of proposal);
- **Total hours:** 577 hours;
- **Address:** 14MSL1MisG2HfzRnTWVqn7ZyXTzYHa3SxZEDf3XLXNZNCgmx
- **Project Manager:** Aaron - Co-founder:
 - Email: aron@infinitywallet.io

Proposal Success & Execution:

The success/target of the proposal would be the completion and live public launch of the deliverables in-wallet to all users, as listed in the deliverables section.

Communication on progress towards and completion of the proposal objectives will be done via:

- New wallet release: **Around every 4-6 weeks**
- Announcements/Updates shared on social channels;

Budget & Allocation Details Milestone 1 :

A breakdown of the milestone 1 estimated allocation and budget can be found here:

Deliverable Title	IMPLEMENT					RATE (hour)	TOTAL HOURS	BUDGET
	Research	Design	Implement	QA	Management (Team + Tech lead)	17.2 DOT		
Polkadot & Kusama core integration + Transaction History + Portfolio Dashboard	60	0	360	40	100	17.2 DOT	560	9,632 DOT
Cross-chain swap CEX + DEX aggregator & Fiat on/off ramp Integration	0	0	15	2	0	17.2 DOT	17	292 DOT
TOTAL							577	9,924 DOT

8- Goals?

Below are some goals that we look to achieve:

- Completion of all the deliverables and live public release to over 2.5 million existing wallets;
- Support a minimum of 40 Dapps within the first 6 months of completion of the milestones;
- Integrate, collaborate & partner with Polkadot ecosystem projects (DApps, Parachains, tokens & other services), looking to work with at least 20 projects within the first 3 months of completion of all milestones;
- Onboard over 50,000 new wallets interacting (holding, transacting, taking part in governance, utilizing DApps and more) with Polkadot & Kusama ecosystems within the first year of completion of all milestones;

9- Why Polkadot Network?

Our core team have been early supporters of the Polkadot ecosystem. There are quite a few reasons why we are interested in Polkadot:

- Our support team has received a large demand from users reaching out regarding use of Infinity Wallet with the Polkadot & Kusama ecosystem;
- Polkadot's focus on interoperability, scalability and decentralization aligns with our vision for what is needed for mass adoption and enhancing the UX;
- We believe that multi-chain is the future and that Polkadot is primed to be a leader in multi-chain communication;
- Polkadot has one of the largest developer communities, which we look to synergise with;

10- Infinity Wallet Metrics

Below are some stats/metrics on Infinity Wallet (currently for desktop):

- MAU: ~48,000 on desktop (users that have transacted);
- Users signed up to be notified of mobile release: 114,000+ (~84% of users visiting Infinity Wallet are looking for a mobile wallet, so we expect a significant increase in MAU on launch of mobile, with an estimated 5x increase within the first 6 months of mobile release);
- Supporting 20+ networks (and looking to expand support for all parachains once Polkadot & Kusama supported);
- Onboarding ~7,300 new users a month on desktop;
- Supporting users from 170+ countries;

At the moment most of our users come from organic sources such as search engines, word of mouth, partnerships and backlinks. In Q3-Q4 2024 we look to start being more proactive with user adoption, allocating more resources to both organic and paid user adoption methods to drive a significant increase in MAU & Downloads.

Some metrics/evidence of Infinity Wallet's success:

- Infinity Wallet desktop download activity [Github Release Stats](#)

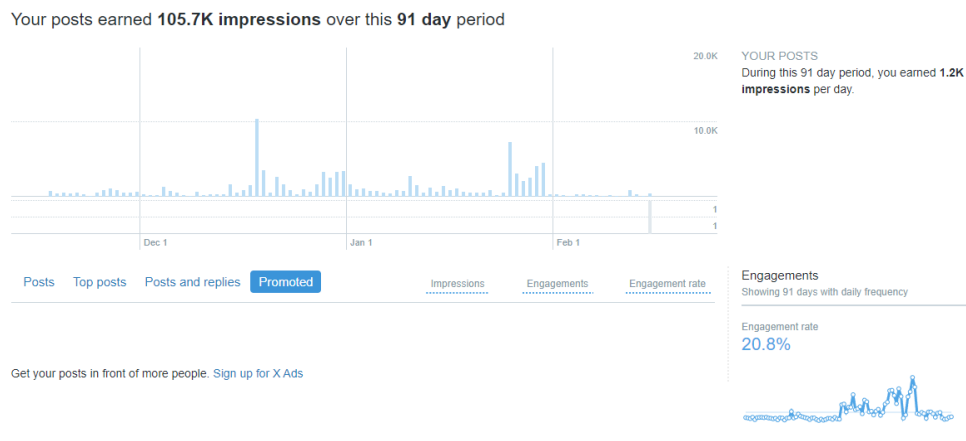
- Over 160,000 monthly website visits. Similarweb gives a general idea of the amount of [monthly website visits](#)

Social Engagement:

Currently we don't have a big focus on social engagement or activity, however in the coming months we will be looking to allocate resources to focus more on growing our community and social presence/activity.

Here are some current metrics of our Twitter:

- 50,000 Followers since November 2019
- 105,700 impressions in the last 91 days;
- Engagement rate: 20.8% in the last 91 days;
- 0 promoted tweets;



11- Open Source

Infinity Wallet is a well established platform built from the ground up that has been in the space for 4 years. We open source libraries, SDKs and other code allowing for open access and sharing of knowledge with the development community.

All Infinity Wallet versions are internally audited prior to each release, without a single incident in 4 years. In addition, each release is signed with an EV code signing certificate, with the releases publicly shared on Github allowing for easy validation of each build's signatures, and ensuring security of each release signed with our EV code signing hardware security module.

12- Future Roadmap

We have a lot planned over the coming years as we continue to build out the Infinity Wallet and work with users on meeting their needs. Some of what is planned over the next 2 years can be found below:

FEATURES	STATUS
Integrate support for all Polkadot & Kusama parachains	Pending
Mobile Wallet App (focussed on redefining the entire decentralized experience on mobile, from UI, UX and features)	Pending
Desktop Wallet UI/UX rework	Pending
Support Hardware wallets such as Ledger & Trezor	Pending
Staking Dashboard	Pending
Referral/Affiliate Program	Pending
Lending & Borrowing In-wallet	Pending
Crypto Card for real world payments	Pending
Crypto Indexes	Pending
Launch our own user friendly hardware wallet device	Pending