Leap Wallet

Litepaper, March 2022

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Executive Summary

Terra has grown immensely since its launch in April 2019 and has seen significant adoption from users and developers alike. The UST market cap has exploded recently, which currently sits at around $16 billion, making UST the fourth largest stablecoin. Alongside this meteoric growth has come a significant increase in user and wallet adoption. However, **current Terra wallets continue to be transactional** in nature with limited features and less than ideal user experience.

Leap started with a vision to create a user-friendly wallet providing delightful experience to users. After being **backed by Terraform Labs, Leap launched its beta** version in Dec'21. Since then, it has been enhanced iteratively based on user feedback to provide many key features. In addition to providing basic wallet features, we have integrated with most of the Terra protocols and provided access to some of the prominent protocols (like Anchor, Stader, Astroport) from within the wallet.

Our long-term goal is for Leap to serve as the one-stop shop for you to start your Terra journey, interact with dApps, discover new projects, and utilize off-ramp avenues to access your assets in the real world. Further, we aim to continually enhance Leap to provide innovative and delightful web3 experiences in DeFi, NFT, gaming, identity, social, and much more. With a core team of **builders and engineers previously at McKinsey, Facebook, and Microsoft**, we have the right experience to achieve this goal.

This Litepaper provides more details on the current capabilities of the Leap wallet, and our long-term vision and roadmap of the project.

Background and Problem Statement

In the early days of web3, wallets were built with developers and crypto-native users in mind; they had a basic feature set that got the job done but the user experience was less than ideal. With each wave of evolution in web3 bringing in new-to-crypto users into the ecosystem, wallets now have a much bigger responsibility. If designed well, they can become the gateway to the web3 world for both experienced as well as new-to-crypto users, a one-stop solution to utilize everything that web3 has to offer.

One of the leading players of this web3 world is the Terra blockchain. Launched in April 2019, Terra was released with a mission to create a decentralized algorithmic stablecoin and to develop a thriving ecosystem around it. Terra gained significant adoption through its early partnerships with various e-commerce platforms in Southeast Asia. As seen from the graph below, UST market cap has steadily increased and, interestingly, exploded late last year. This spark fueled growth on Terra by encouraging many more projects to be built, which led to 150+ protocols/dApps being deployed on Terra as of March 2022.

UST Marketcap

Going forward, not only will there be a large increase in projects being deployed on Terra, but there is a strong push for increased adoption of UST across other chains. With all this growth, we anticipate a significant increase in the number of Terra wallets being used, which is already growing at a steady pace of 80,000 wallets every month.

Wallet Growth
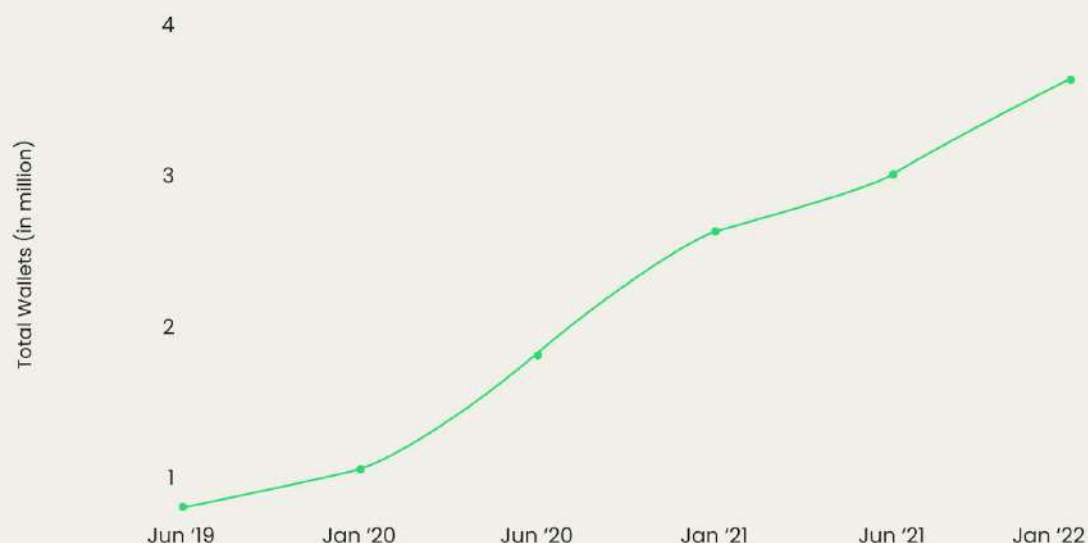
There are already some wallets available to Terra users. While these wallets have served the basic purpose of onboarding and enabling interactions with dApps, the current need is for a much more versatile and easy-to-use wallet that can serve the needs of the power users as Terraverse evolves and also help onboard new-to-crypto users. Current Terra wallets are not built to serve these needs due to the below reasons:

- *Limited Features.* Features like NFT gallery, DEX aggregation, in-wallet DeFi opportunities are missing
- *Inferior User Experience.* Today's wallets are primarily available as browser extensions. And the ones on mobile have limited features.
- *Missing dApp Integrations.* Terra's exponential growth has led to more than 150 dApps in a short period. Protocol categories like DEXs and NFT marketplaces

have several competing offerings. Existing wallets leave it up to the users to figure out the best option for themselves, which can be intimidating for new users.

- *Slow Development.* Current wallets have long development cycles and are not able to address user feedback in a timely manner.
- *Limited Focus from Terra.* With TFL's development efforts spread across the entire Terra ecosystem, the team is limited in their focus on the wallet.

Introducing Leap - The Super Wallet for Terra!

Leap is a non-custodial next-generation wallet for Terra. Our goal is for Leap to become the most user-friendly crypto wallet for Terra and be your gateway to every aspect of the Terraverse. To achieve this goal, we aim to tackle the previously mentioned problems head-on.

| Problem	How Leap Aims to Address It
Limited Features	• Next-generation wallet features like NFT Gallery, DEX Aggregation, Portfolio Tracking, one-click Airdrop claim, DeFi opportunities within the wallet, Cross-chain transfers and more
Inferior User Experience	• Draw inspiration from top web2 consumer apps and deep user research to provide an intuitive and delightful user experience, and less intimidating for new users. • Start with a browser extension but rapidly expand to native iOS, Android, and desktop apps. • In-wallet dapp integrations to allow easy access inside the wallet, eliminating the need to navigate between different platforms

Missing dApp Integrations	• Integrate with all important Terra protocols. We provide two types of integrations:
	   ○ In-wallet dApp experience which you can access from within Leap without needing to navigate away
	   ○ Integration with the protocol's web app so you can 'Connect with Leap' on their respective webpage

|	
	• Scale the number of in-wallet integrations by providing an dApp store for any protocol to permissionlessly create an in-wallet mini-dApp experience
Slow Development	• Address the feedback and iterate in quick sprints to release bug fixes and new features regularly. Case in point - we completed our phase 2 in the [original roadmap](#) 3 months ahead of schedule.
Limited Focus from Terra	• Our undivided focus is on improving just one product - Leap, and making it the Super Wallet that you can use for everything exciting in the Terraverse.

With the aim to address these problems, we released the beta version of Leap in Dec '2021, and have continually enhanced it to provide the below **features**, on top of basic wallet functionality.
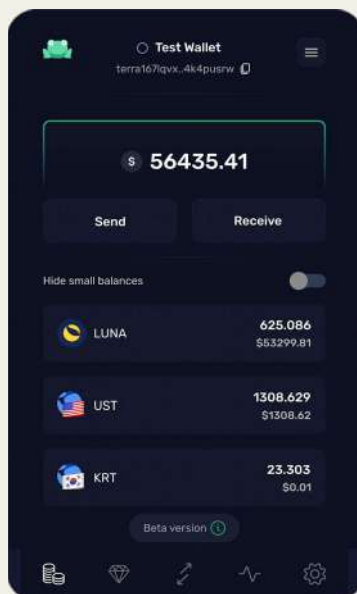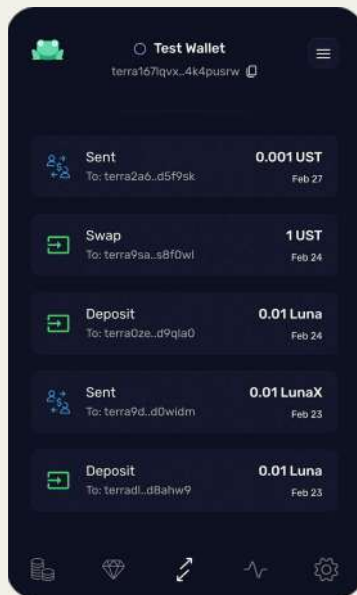
Consolidated Portfolio
See balances across all Terra tokens
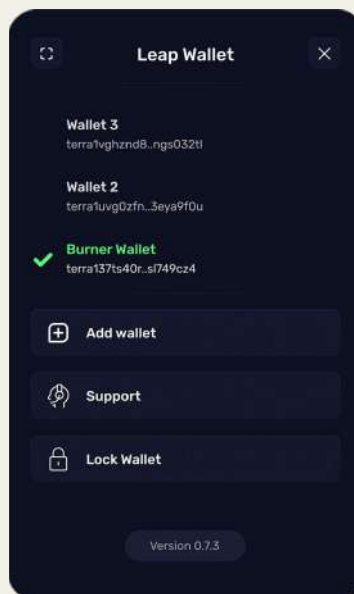
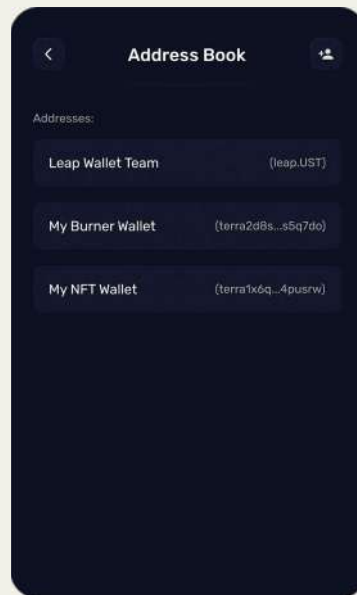## Multiple Wallet Support
Create and switch between multiple addresses
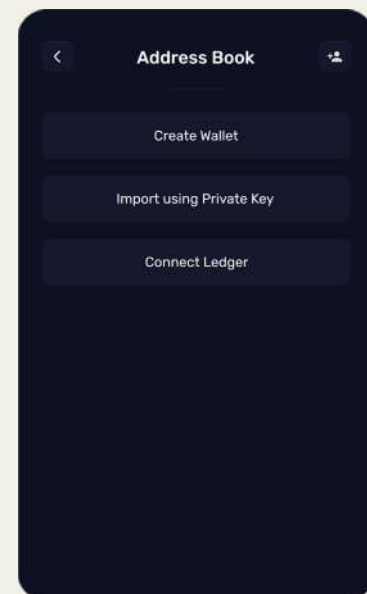
Connect to Ledger
Import multiple Ledger addresses

Activity Page
View all transactions and activities

Address Book
Save frequently used addresses
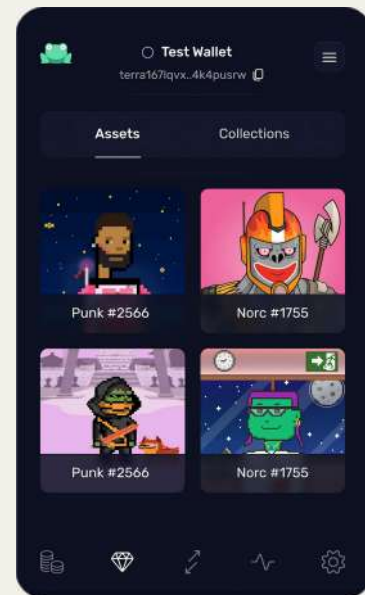
NFT Gallery
View NFTs within the wallet

Along with the above features, we have integrated with the most prominent Terra protocols and dApps.
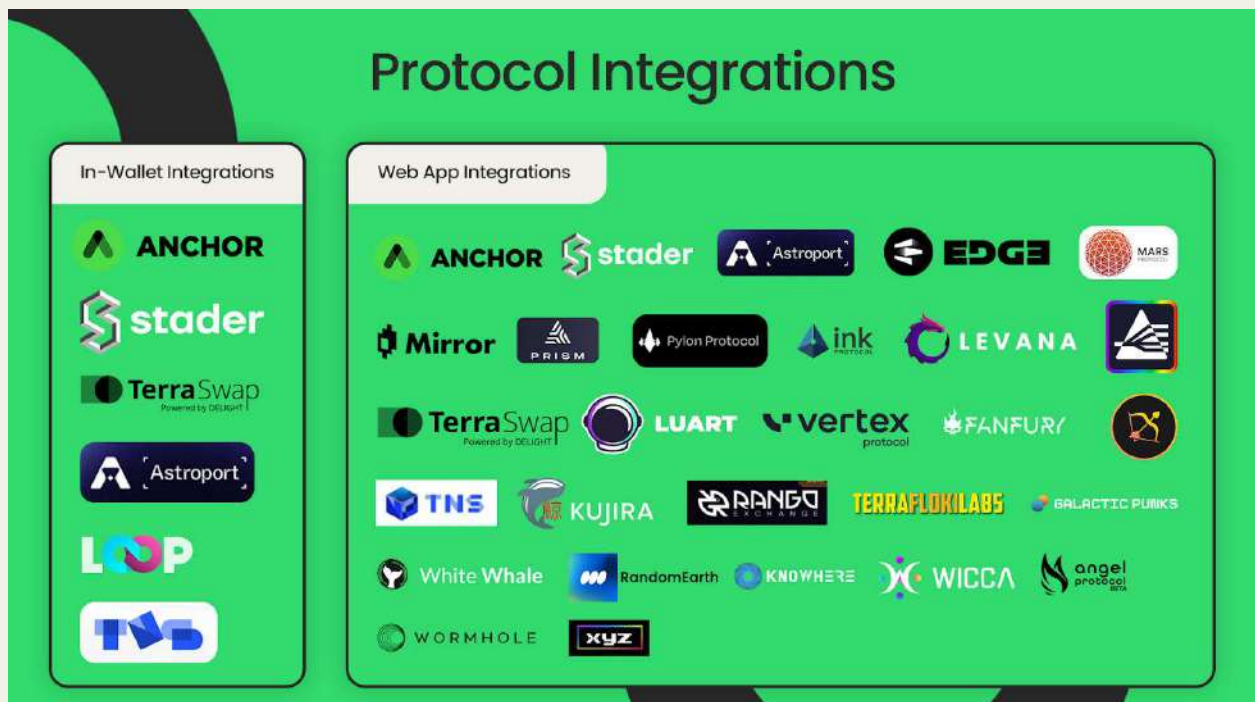
In-Wallet Integrations
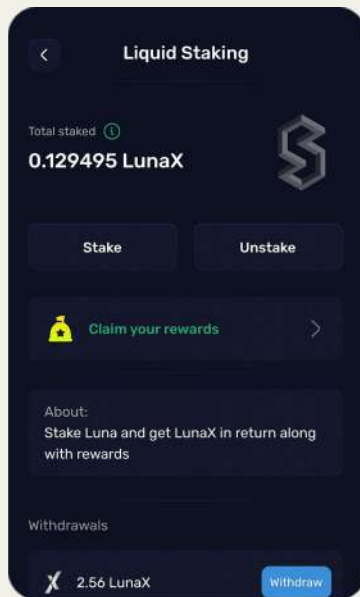
Liquid Staking
One-click staking with Stader
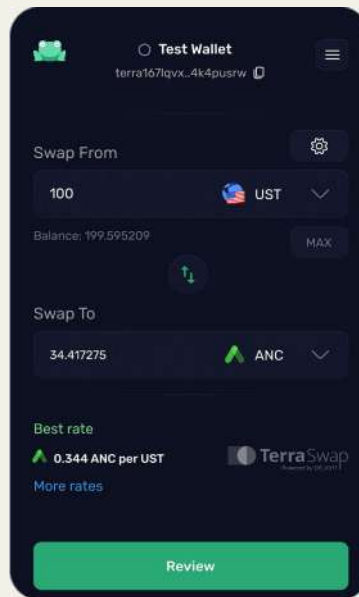
Dex Aggregation
One-click swaps with the best rates
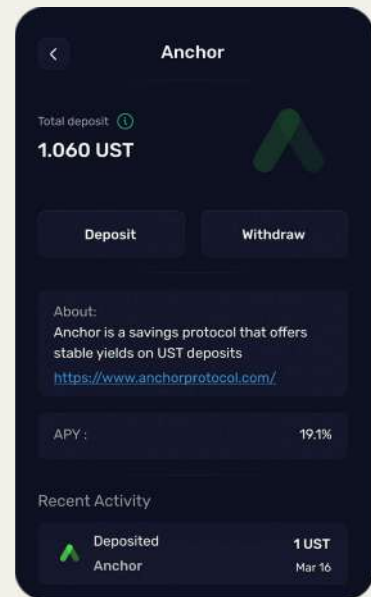
Anchor Integration
One-click Anchor deposit and withdraw

And recognizing that Leap needs to be in the form factor where the users are most comfortable, we are soon releasing our mobile app - on iOS and Android both!

iOS & Android App Soon!

Our Vision

Our long-term vision for Leap can be summarized as below:
- Become a super wallet - your one-stop gateway to everything Terra
- Push the envelope on wallet capabilities to add social, identity & gaming experiences

Become a Super Wallet

So far, crypto wallets have been purely transactional products that are utilized in the last leg of your web3 journey, i.e., while signing transactions on dApps. Our vision is to build a one-stop experience for your e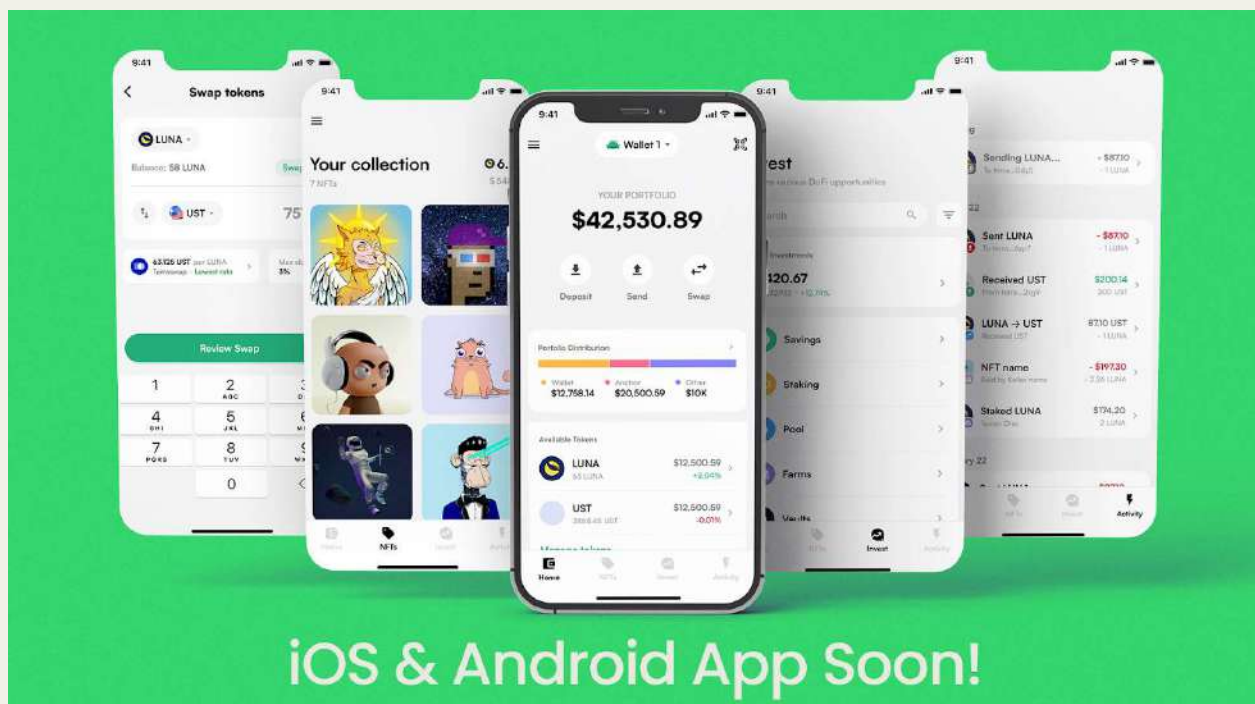nd-to-end requirements - onboarding into Terra, transacting with dApps, discovering new dApps and investing opportunities, and utilizing off-ramps to make use of your assets. And during all these touchpoints, Leap will maintain the highest level of security and performance possible.

Onboarding

We aim to simplify the onboarding of new users to Terra. Leap will be available in the form factor that you are most used to - browser extension, native iOS, Android, and desktop apps. Further we will provide multiple fiat on-ramp options within the wallet to allow users to avail the best rates across all providers. And we are starting to explore various key management solutions (social recovery, distributed key management, etc.) to solve for different users' preference and comfort.

Transacting

Once onboarded, we want to make it super easy to transact with Terra protocols/dApps, be it investing in DeFi projects or seamlessly viewing and trading NFTs.

For DeFi investing, our goal is to provide one-click invest options within Leap, which will include, depositing into lending protocols to earn interest, staking your Luna to earn transaction fees, providing liquidity into pools to get a share of trading fees, locking your tokens into farms for potentially increased returns, and depositing into vaults to automatically move your assets between pools to maximize yields. To

provide all these options, we plan to integrate with prominent Terra protocols so that you can access them from within the Leap wallet without needing to navigate away. Further, we plan to allow new protocols to permissionlessly integrate into these options so you can automatically get best yields as new protocols emerge. And finally, we want to make your portfolio management easy by providing dashboards to track returns over time and across different protocols, as well as integrate with tax solutions to help prepare your tax returns.

For NFTs, we have already implemented an in-wallet NFT gallery which auto-detects prominent collections. Next, we aim to make it easy for you to send NFTs to other addresses. And we are also working towards aggregating NFT marketplaces and providing access through Leap to explore new collections and find the best price. As the NFT space evolves, we plan to monitor and cater to other applications of NFTs like music, academic credentialing, ownership of off-chain assets like real estate, voting etc.

Discover

You will be able to discover the Terra ecosystem from within the comfort of the Leap wallet. This could mean finding new web3 projects through launchpads built within Leap, staying up to date on projects through a curated feed, getting notified on new NFT projects, discovering new yield opportunities for tokens you hold, following popular wallets to research and ape, and much more.

Off-ramp

While discovery and transactions help build your portfolio, you need off-ramps to utilize your assets in the real world. We plan to integrate with payment providers to allow you to make payments online and in-store using Leap. We intend to work with off-ramp debit card providers to allow loading your debit cards in-wallet. Finally, we envision creating an e-commerce discovery platform within Leap so you can access off-ramp opportunities from within your wallet.

Security & Performance

We have a keen focus on security while enabling your end-to-end journey in the Terraverse. We are a non-custodial wallet, which means we don't store your private keys and cannot access your funds. Our mobile wallets utilize biometric sign-ins to provide an extra layer of security. We reduce the chances of interacting with wrong smart contracts by providing access to prominent protocols from within the wallet. And we are exploring various recovery solutions to provide better key management experience based on user's preference. We have been audited by a leading audit firm and will be publishing the audit report soon. As we scale, we aim to run our own nodes to eliminate dependence on external entities.

Push the Envelope on Wallet Experiences

Our vision is to make Leap more than a feature rich super-wallet. We want it to be a means to provide innovative and delightful web3 experiences. To achieve this, we will continue to closely monitor the progress in the web3 world and enhance Leap to push the boundaries of experiences in Identity, Social, Gaming, and more.

Identity

Our vision for web3 identity goes beyond the standard TNS addresses and NFT profile pictures. We want to:
- Help create and manage your self-sovereign identity where you control which elements of your identity are on-chain vs off-chain, and which protocols/dApps have access to what elements.
- Enable (optionally & with your permission) dApps to track your preferences and access past interactions to customize your dApp experience
- Provide ways to develop your reputation and store your credentials. For instance, earning and storing credentials upon completing bounties and using them as a replacement of the traditional resume.

Social

Web3 social is seeing significant traction and we want Leap to be part of the revolution. Our vision is to:

- Facilitate the creation of social graphs, where you own your network and can take it from one social dApp to another.
- Augment this social experience by adding a communication layer like in-wallet messaging and push notification.
- Explore adjacent areas for Leap to expand into, like, decentralized publishing, POAP like protocol to verify physical/digital attendance, etc.

Gaming

With increasing adoption of web3 gaming, we envision Leap becoming a key companion for gamers by
- Enabling creation of their gaming profile, complete with their achievements, game progresses, and in-game assets as NFTs.
- Making it easy to own, exchange, and port NFT assets across games.
- Providing dashboards that will let it easy to track, convert and spend earnings from play-to-earn games

Wallet as a Service

We aim to become a critical middleware layer that provides the rails for any application (crypto or otherwise) to access the benefits of UST and other protocols on Terra. Our modularized architecture would allow us to bundle relevant wallet functionalities (e.g. deposits on Anchor, staking on Stader) into an SDK that can be made available to other crypto protocols and web2 fintech apps.

Roadmap

After the initial rollout of the MVP, we have been shipping additional features iteratively in short cycles, to make sure we are always delivering value.
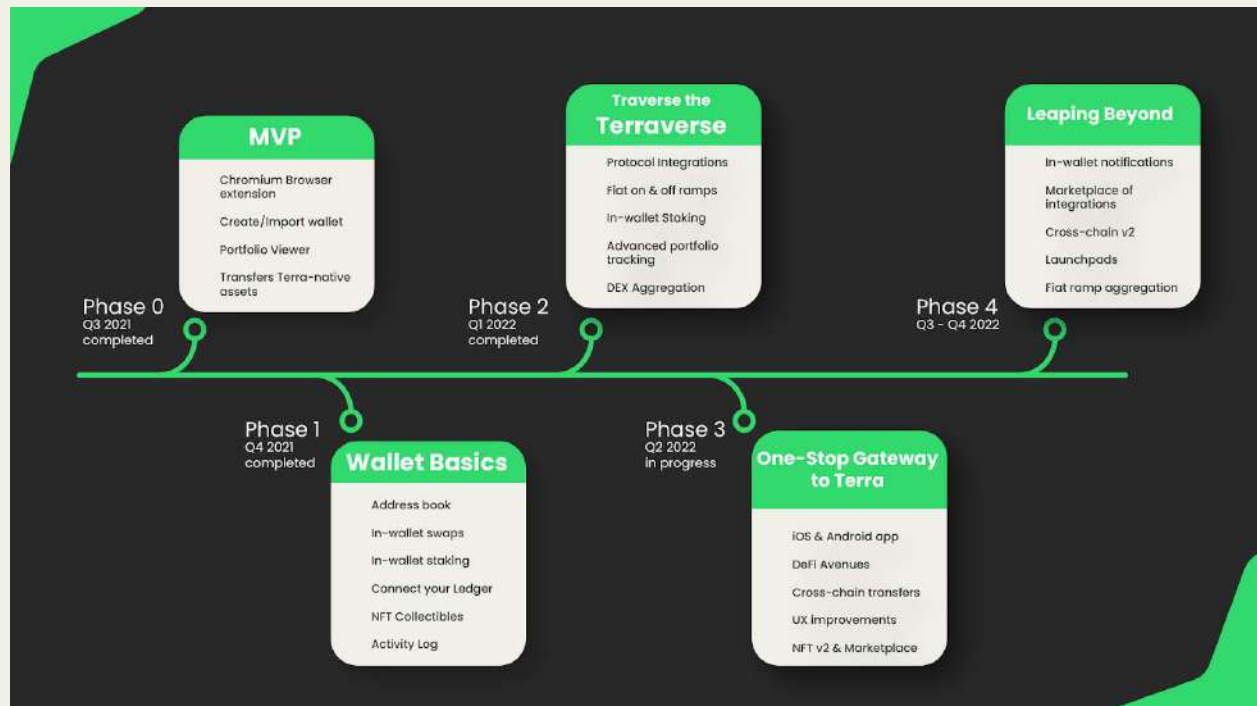
Phase 0 ✔️ Complete

We launched the MVP of Leap in Dec'2021 that included the below listed critical wallet workflows.

- **Onboarding** - create a new wallet or import an existing Terra wallet
- **Portfolio Viewer** - see total and splits across Terra-native assets
- **Transfers** - send and receive Terra-native assets
- **Auto-lock** - wallet locks after 15 minutes of non-activity as an additional security measure
- **Dark mode** by default

Phase 1 ✔ Complete

We completed our phase 1 by Jan, 2022 to bring the most used and most requested wallet features with a simplified and user centric design.

- **CW-20 tokens** support
- **Address book** - easily save and access frequently used addresses
- **In-wallet Swaps** - powered by integration with Terraswap
- **Connect your Ledger**
- **NFT Collectibles** — view NFTs inside the wallet with useful metadata around collection and properties
- **Activity log** — see recent transfers and swaps

Phase 2 ✔ Complete

We completed our phase 2 by March, 2022 (three months ahead of schedule) to make Leap the gateway to all the major dApps and protocols on Terra.

- **Protocol Integrations** - Connect Leap on all important Terra protocol web apps. Plus, access the most relevant protocols directly inside the wallet - Anchor, Stader, Terra Name Service (TNS).
- **Fiat on & off ramps** - easy on-ramp from fiat to UST through an integration with Transak and Kado
- **In-wallet Staking** — One-click staking through Stader integration (Stake Pools, Liquid Staking, Stake+) along with Vanilla staking
- **Detailed portfolio tracking** — breakdowns into asset holdings by protocol
- **DEX Aggregation** — access the best swap rates across Terraswap, Astroport, and Loop

Phase 3 ⚙ In Progress

- **iOS and Android apps** - Access Leap in the form factor that you are comfortable with
- **Enhanced activity page** - An activity log to provide readable protocol level activity

- **Auto-fetch assets** - Automatically fetch all the important native and custom tokens that the user owns
- **DeFi opportunities in-wallet** - Invest in Liquidity Pools, vaults, and other yield farming opportunities from within Leap
- **NFT Gallery v2** - Easily send NFTs to another address. View important metadata around floor price, last sold price, and activity
- **NFT Marketplace** - Integrate with an NFT Marketplace to let users discover and browse NFTs from within the wallet
- **Cross-chain transfers** - Transfer Terra-native assets to other chains from within the wallet

Phase 4 (May-Dec 2022)

- **NFT Marketplace Aggregation** - Allow users to easily browse and trade NFTs across all existing marketplaces from within Leap
- **Multi-sig Support** - Improve your wallet's security by requiring multiple signatures for transactions
- **Mini-apps/Marketplace of integrations** - Protocols/developers can integrate their existing dApps or build new dApps that can be directly accessed within the wallet.
- **One-click airdrop collection** - Easily claim your airdrops from within the Leap wallet
- **Cross-chain transfers v2** -
  a. Aggregation across cross-chain bridges to offer the cheapest transfer rates
  b. Integration with cross-chain yield protocols
- **Launchpads** - invest in exciting new Terra projects from within Leap
- **In-wallet notifications** - Modeled around EPNS, we want to build a notification system for alerts on liquidation, airdrops, governance notifications, etc.
- **FIAT on/off-ramp aggregation** - Access the best on/off ramp rates across all providers

Tokenomics

Our north star is to make Leap the most user-friendly wallet for Terra and be your gateway to Terraverse. To achieve this, it is critical to align incentives of all the stakeholders towards long-term growth and incentivize the community to own a majority of the network. Leap will launch its governance and utility token, LEAP, to help achieve these goals.

LEAP Supply and Distribution

There will be a maximum supply of one billion LEAP tokens, which will be allocated as illustrated below.
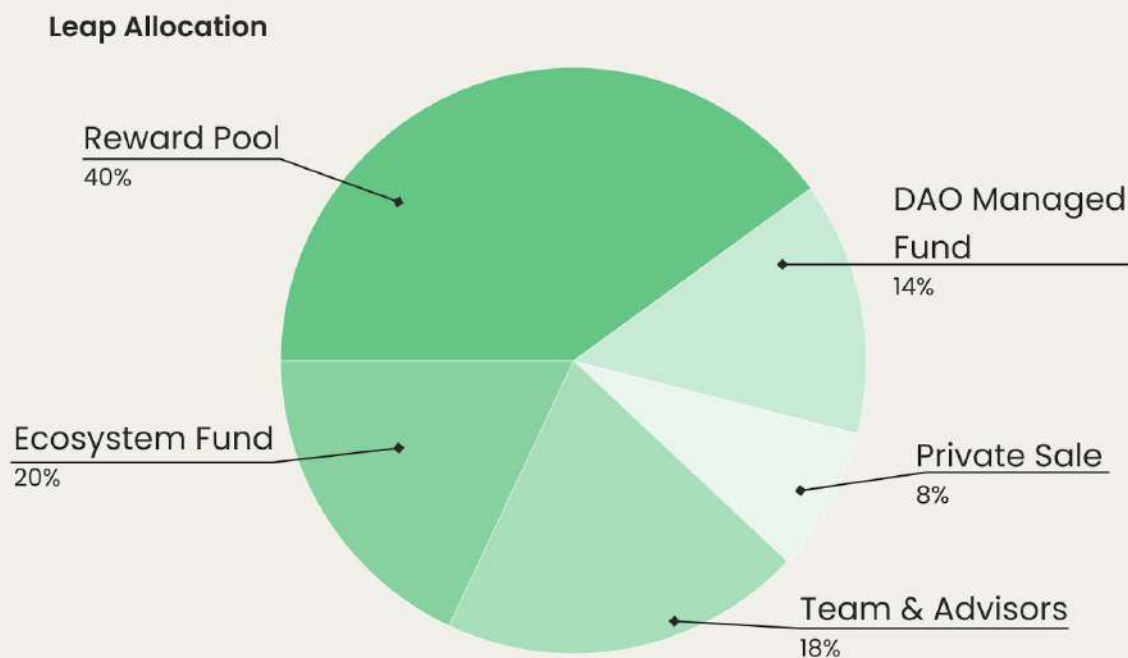
Leap Allocation

Segment	% Allocation	Details
Reward Pool	40%	Rewarded to users for engaging with the Leap wallet and the community. Some rewards include: • Transaction based, to

		encourage early adoption ● Beta usage and feedback on new features/products ● Completing learn-to-earn quests and other bounties ● Farming rewards on LPs and staking rewards
DAO Managed Funds	14%	Allocated to the treasury governed by the xLEAP holders. Will be deployed through governance proposals.
Ecosystem Development Funds	20%	Reserved to help bootstrap growth and strategic initiatives. Can be used for activities like public/private sales, funding development teams, securing key partnerships, etc.
Team & Advisors	18%	*6 month cliff after TGE, followed by linear vesting for 36 months*
Private Sale	8%	*6 month cliff after TGE, followed by linear vesting for 36 months*

LEAP Staking

To take advantage of the utility of the LEAP tokens and participate in governance of the Leap wallet, you will need to stake your LEAP. You will receive xLEAP in return. The amount of xLEAP you receive will depend on the amount of time you stake for, i.e., the longer you stake for, the more xLEAP tokens you receive.

Revenue Model

We plan to have multiple revenue streams to support the continued development of Leap. Below are some of the currently planned revenue streams.

User side fees - We plan to charge a small **fee for in-wallet swaps** (DEX aggregation) for the convenience of 1-click swaps in the safety of your wallet with the assurance of the best prices. Metamask has already proven this revenue model. We have already integrated Astroport, Terraswap, Loop & Market in our DEX aggregation module and integration with the Route module is in progress. As more DEXs get built on Terra, finding the best prices and lowest slippage becomes difficult, which we aim to solve for users by providing a 1inch style automatic routing system. In-wallet swaps will also be available on our native mobile app where the swap experience is generally tougher.

A similar fees model can be extended eventually for on-ramp & cross-chain services. As these spaces evolve to offer many competing services, we can charge a small fee for offering a simplified experience and best price discovery.

Protocol side fees - We can charge an **affiliate fee to protocols** for driving liquidity and transactions to their products. We are piloting this model with Stader Labs where Leap will get a referral fee for the new liquidity we're able to drive for their stake pools & liquid staking products. Similarly, we are in discussions with Rango for an affiliate partnership, for cross chain transfers powered through their API.

We also plan to have **B2B offerings** where fintech businesses can offer yield opportunities to their customers by using our *Wallet-as-a-Service* APIs. We can charge them transaction volume-based service fees for these services.

Token Utility

Holders of xLEAP tokens can take advantage of many additional benefits while using the Leap wallet.

User side

- Reduced swap fees while using Leap's in-wallet swaps
- Reduced fees when using Leap's in-wallet on-ramp & cross-chain aggregators

- Priority access to Launchpads and other wallet features

Protocol side

- Protocols holding xLEAP get free featured slots in dApp store and/or reduced affiliate fees

Treasury & Governance

The revenue generated by Leap will flow into a treasury that will be governed by xLEAP holders. Holders can vote on governance proposals regarding utilization of these funds. Further, the holders can also vote on new features to be implemented, integrations with new protocols, monetization strategies, and allocation of revenue.

Holders are incentivized to stake for longer periods to receive more xLEAP tokens and have more voting power. Protocols are also incentivized to hold xLEAP tokens to influence monetization parameters (like affiliate fees) which have a direct impact on their revenues.

Our Partners

CoinFund

PANTERA

Accel   Terraform Labs

arrington CAPITAL

SJ Park TFL	**Aayush Gupta** Lead, Terra India
Richard Yuen dweb3	**Galen Law-Kun** Double Peak
Stanford Liu Head of Research, TFL	**Christian Sullivan** Co-founder, Republic Capital
Michael Chen CMO, Fantom Foundation	**Prabhakar Reddy** Co-founder FalconX
Jonathan Caras Board Member. LFG	**Jeff Kuan** BD Head, TFL