ebox

whitepaper v2

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introduction

ebox provides services and solutions with a unique character, bringing straight-forward innovation and usability to end users and businesses alike. Keeping things simple and safe, we address widespread issues and problems throughout the crypto space, making life a lot easier for everyone involved.

With the spirit of community embedded deep within our hearts and vision of the project, having our roots within the trader, investor & enthusiast community ourselves, we understand the needs of our audience, and adjust dynamically to any challenges we face along our journey.

Sailing towards a brighter blockchain of tomorrow, we have been supported since our earliest days by our friends and partners at DuckDAO, one of the oldest, most well-established decentralized blockchain venture capitals. After holding off our IDO with them in March 2021, we have now established a strategic partnership that is sure to be a mutually fruitful and long-lasting one.

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On-Chain Escrow
The first pillar of ebox technology we drove into the ground and established as something that's here to stay, was – and still is – the ebox On-Chain Escrow service, enabling for reversible transactions and thereby offering an unprecedented level of comfort and trustless safety in everyday crypto transfers and transactions.

Funds accidentally sent to a mistyped or mistakenly copied wrong address have perished in millions if not billions, leaving potentially grave damage after a simple slip of attention, that is an entirely natural thing to happen every now and then. Determined to put an end to this, ebox was founded.

From then on, much has happened, and things have evolved significantly. At the moment, we are looking to greatly extend the functionality of our On-Chain Escrow, and completely re-do the underlying mechanics for a game-changing increase in safety.

Rather than requiring users to deposit their assets inside a smart contract, the upcoming ebox On-Chain Escrow v2 will transact entirely from wallet to wallet: Users keep tokens inside their wallets until the transaction is fulfilled or cancelled, completely disarming any potential risk of malicious smart contract exploitation.

As safe and well-audited as our main service already is, we at ebox uniformly agree that removing a possible attack vector is always a good thing, all aside how much this measure increases user flexibility in being able to handle tokens at will until transactions are complete.

Extending Innovation
Thanks to our particular way of looking at things and leaving no stone unturned, we elaborated new methods and solutions for handling previously well-established tasks. Our In-Wallet Staking is the prime example for this, not requiring users to lock a single token inside a smart contract in order to participate and receive staking rewards.

Seeing how positively this feature was received, making users' lives easier and safer at the same time, we found the need to be providing this to other crypto projects and business as well, and found direct resonance with another partner project of DuckDAO.

This leveled the ground for expanding the spectrum of our impact, bringing innovation to entirely new parts of the crypto sphere: ebox Business Solutions became reality, offering projects the technology we develop for simple integration into their application.

Next to our In-Wallet Staking model and Transactionless Governance

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systems, we are currently developing the ebox Investment Platform Service, a complete, automated solution for deploying crowd sales, customizable through an easy-to-use dashboard interface.

Alongside, we will be serving ebox Everyday Tools and ebox Everyday Tools for Business, offering smaller, yet needful necessities for users' and project administrators' daily lives.

Outlook
With additional legs to stand on, pillars that are being driven further and further into the ground with every breath this vision-come-alive is taking, ebox is already something that's here to stay, and leave a long-lasting, fruitful impact, beneficial for everyone involved.

ebox is currently transforming from a single-service provider to a multi-functional service platform. Having started with a basic feature for the worldwide crypto community, time and experience taught us there are plenty of other building sites both in the business-to-customer and in the business-to-business sector.

Throughout this whitepaper, we will give insight into what is meant when we speak and write of innovation, portraying the solutions we offer and their inner technological workings. Being aware of how profoundly important it is to let beautiful things shine in the right light, we dedicate a chapter to elaborating our marketing & strategic approach to ebox as a business.

For a well-rounded ending, our upcoming roadmap is sure to satisfy desires, and at the same time stir curiosity – The team of project ebox wishes you a good read!

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ebox services

Setting out to make the blockchain a more comfortable place, we at ebox cut no corners. Through diligent research and development, we are able to offer services that make everyday crypto life easier and safer all at once, as well as saving on transaction costs here and there.

With our On-Chain Escrow as the base foundation of all that is ebox, we are now further extending by implementing a separate OTC / NFT Trading Platform that engages ebox mechanics, and providing practical little tools to go along, some of which are entirely free of charge.

On-Chain Escrow v1 (ebox Mainnet)

Our initial feature, the one endeavor that kicked off our blockchain development, is the ebox On-Chain Escrow, providing a unique solution to a problem in cryptocurrency trading that is as devastating as it is widespread.

Accidentally sending funds to a mistyped or mistaken recipient address is the cause for hundreds of millions, if not billions, of financial damage. Harnessing the cryptographically unbreakable safety of the underlying blockchain, ebox offers a smart contract based digital escrow service to completely alleviate any risk of loss while transferring crypto assets.

Safe Sending with Reversible Transactions

The ebox On-Chain Escrow serves as a trustable, transparent and always-valid intermediary between two parties willing to send cryptocurrency one way or both ways.

Through an easy-to-use & straight-forward dashboard interface, users wanting to send funds simply chose a recipient, select a particular asset and define an arbitrary passphrase. The assets are then safely stored inside the ebox smart contract.

If any mistake was made, such as sending to a wrong recipient address or transferring an incorrect amount of funds, the sender can cancel the transaction at any time.

With just the click of a button, the correct recipient knowing the right passphrase – authenticated by the ebox smart contract through wallet connection – can then retrieve the funds that were transferred.

OTC Trading

Aside from sending funds, the ebox On-Chain Escrow also offers the possibility of easily requesting funds. This works one-way as well (only requesting), but when using this feature in a send-request manner, it gives the possibility of trustless, 100% DeFi over-the-counter (OTC) trading.

Rather than having to rely on a trade partner's credibility, OTC trades can now be done in a way that's safeguarded by the ebox smart

contract. The transaction is only fulfilled once the recipient has put in the requested tokens, and can be cancelled by the sender at any point before that.

This gives users a safe, reliable environment for OTC trading that is immune to any form of fraud or scam. Through unbreakable blockchain mechanisms, ebox OTC transactions are guaranteed to take place in the only way that is acceptable, being fair and mutually beneficial for both parties.

Privacy

Naturally, transferring funds through the ebox On-Chain Escrow disrupts the chain of transparently trackable blockchain transactions, thereby obfuscating their origin and destination.

For situations where discretion is required, users have the option of wrapping ebox transactions with an additional layer of privacy – When using this added privacy feature, both sender and recipient addresses are encrypted locally on users' computers. No clear-text addresses are ever transmitted into the internet or stored on-chain, and users may remain anonymous to each other.

Any attempt to reconstruct added-privacy transactions between ebox users becomes tremendous effort, if not impossible, with growing number of transactions being sent through ebox.

Upcoming in v2

Thanks to immensely positive feedback from the community, bringing an influx of new ideas and perspectives, combined with our own spirit of never-ceasing innovation, we are able to further extend on what the ebox On-Chain Escrow has to offer.

With v1 serving as the foundation, v2 will add and re-do core points that define this service, making it an entirely new, feature-rich yet easy-to-use experience, vastly improved in terms of safety and comfort on the user side.

In-Wallet Escrow

It would seem necessary for an escrow service to actually hold the funds inside a smart contract, at least once within a complete escrow transaction. In the ebox On-Chain Escrow v1, this is exactly the way things are being handled.

Coming with the release of v2, we will be making a radical change to this aspect of our escrow service. Instead of requiring users to deposit funds into the ebox smart contract, users merely grant it approval, and can retain the funds inside their own wallets.

Just like our In-Wallet Staking model, this brings a massive boost in safety and

freedom – Tokens to be sent simply remain with you all the time, until the recipient comes pick them up through our dashboard interface. As with a direct debit bank connection that can be reverted at any time, this change of mechanics makes for a big increase in flexibility, allowing users to work with their tokens as they would.

No tokens being stored inside a smart contract at any moment means that there is no possibility for loss in case of a malicious drain attack – With all our expertise and the rock-solid competence of our auditing partners at CertiK Foundation, as unlikely as such a scenario might be, completely eliminating it is always a good thing.

Aside, with less (potentially costly) blockchain transactions to be made, this update also lessens our service's financial impact, making it noticeably cheaper to use.

NFT Support
Catering to the needs of an aspiring new universe of possibilities inside the crypto sphere, given by the uprise of non-fungible tokens ("NFTs"), it is absolutely clear to us that we need to offer our users the possibility of handling these valuable on-chain items in the safest way possible.

Payroll
For those wishing to send regularly recurring transactions, such as employers wanting to distribute salaries on-chain in a trustless, automated way, our payroll feature coming up in v2 will be of great aid.

Setting it up is as simple as clicking a few buttons, merely requiring a list of addresses and respective amount of tokens to be distributed, together with a timeframe (once per month for the next 12 months, for example).

From there on, users on that list are able to regularly retrieve the amount of funds that was individually assigned, in the time intervals that were given, for as long as the payroll is set to take place.

Sending / Requesting Multiple Tokens
Basic yet effective, this feature allows for ebox transactions to contain more than one token on either side. Sending as well as requesting multiple tokens becomes possible, and OTC trades can be done with one or multiple tokens on either side.

Sending / Requesting to / from Multiple Recipients
Useful for distributing funds or pooling together funds from multiple users, this feature also brings an increase in privacy by enabling one to split up a transfer to multiple wallets, thereby further obfuscating one's trail through the blockchain.

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OTC Market Feature

Not to be confused with our upcoming OTC / NFT Trading Platform, the OTC market feature simply allows sending a transaction through ebox with an undefined recipient, thereby allowing every user of ebox to access it through a special tab in the dashboard.

Partial Payout / partial OTC Trade

Combined with the above, this feature makes for easy & uncomplicated selling of assets through our escrow service, simply putting up a trade and waiting for interested people to come by.

Additionally, combining partial payout with a send / request to multiple recipients, this brings a major increase in privacy, as transactions can be simply retrieved part-by-part, in arbitrarily chosen, seemingly random amounts. This way, reconstructing who transacted with whom through ebox becomes increasingly impossible with more and more transactions taking place over our service.

Wildcard Request

Instead of having to specify a particular token to be requested, this feature gives users the ability to request "this -OR- that" token, in arbitrary combinations.

Market Request

Similar to the wildcard request, with this update, it will be possible to leave one parameter undefined – Here, it's the amount of tokens to be requested.

ebox automatically fills in the corresponding market price, thereby providing the same functionality as a decentralized exchange, except through peer-to-peer OTC trading.

NFT Key

Making use of the non-fungible token standard's inherent uniqueness, we will be giving users the possibility of generating a one-time use NFT key that is given to a transaction's recipient instead of the passphrase, or complementing it.

Gas Fee Optimization

Particularly meaningful for our Ethereum userbase, we are continuously working and crunching ideas on how to squeeze the absolute most out of gas being used. With ongoing development, we are sure to further increase and eventually maximize the efficiency of transaction costs required for using this service.

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OTC / NFT Trading Platform

Even though our On-Chain Escrow was initially conceived as a peer-to-peer thing, the addition of OTC trading and the upcoming Mainnet v2 features bear huge potential for getting a stage of their own.

Features such as requesting funds from an unspecified user (= anyone), "wildcard request" or "market request" are already present in the base escrow service, yet we feel there is the need for a separate web portal with its own user interface to enable the users to make the most out of these and some other OTC-specific features.

With the ebox OTC / NFT Trading Platform, we will be offering users an intuitive dashboard for overlooking and managing all their OTC trades through ebox, tailored to the needs of OTC traders.

Simple & clear design makes it easy to keep track of relevant data while using all the necessary features (of which there will be just enough, but never too many), and smart, customizable filters help with finding you the juiciest deals and opening trade positions yourself.

This service is currently under development and will be released in accordance with our roadmap.

Everyday Tools

We see a lot of potential for making people's lives easier in some key aspects of everyday crypto life. With ebox Everyday Tools, we present a set of useful helpers and small services that are simple & easy-to-use, but can make an impactful difference.

Approval Tracker

Granting approval for spending an ERC-20 token of yours directly from your wallet is a very common, widespread practice in the world of DeFi. Trading a token on Uniswap or participating in yield farming on PancakeSwap, for example, both require approving the respective project's smart contract to spend your token(s).

When a contract asks for token approval, there's always a "how much". It would be safe to only approve as much as the user actually wants to spend, but also impractical, as you would have to re-approve every single time you'd want to trade a token on a DEX, for example.

Therefore, one is usually asked for infinite (!) approval, meaning the smart contract in question could theoretically take your entire stock of the token you approved. This won't happen unless one accidentally approves an illegitimate, fraudulent smart contract, one would think.

However, smart contracts being hacked, exploited and drained is a recurring thing, as devastating as it can be. Therefore, as even the smart contract of a project that is genuinely trustable can fall victim to such an attack, it seems necessary to be able to keep track of the approvals one has given.

With ebox Approval Tracker, we present a free-to-use tool for easily tracking all token approvals granted by any address, displaying the currently remaining approved amount, and allowing you to instantly nullify your approval, if needed.

This service is currently in planning and will be released in accordance with our roadmap.

Wallet Linker

The vast majority of people in crypto come to use more than one single wallet address at some point or another, for various purposes. As long as the credentials to each wallet are kept safely, all is good, but if access to a wallet is lost, there's no way to recover the assets stored inside it.

Sometimes, when browsing through old wallets, one can find funds that were thought lost, but usually, the opposite is the case: Having funds inside some wallet that hasn't been used forever, with the private key nowhere to be found. This is a scenario so common one would wish there'd be a way to prepare for this happening.

This where ebox steps in. Instead of just waiting for things to happen and keys to get lost for reasons of simple negligence, regular life mishaps or events as serious as a fatal accident, this service allows you to act preemptively.

ebox Wallet Linker enables you to set a certain time (30 days, 6 months, 12 months etc) after which a wallet of your choice ("wallet B") is granted full control over one or more tokens inside the wallet that you're linking ("wallet A").

From within wallet A (the one that might get lost later on), the ebox Wallet Linker dashboard gives you the option to extend the aforementioned time period, meaning that you have to continuously connect with that wallet before the set time interval expires, click a button and let the ebox Wallet Linker know that you're still in control over that wallet.

If, for whichever reason, the time interval is not extended from wallet A's side, the tokens that have been linked become accessible to wallet B, and can be safely transferred over from wallet A to wallet B. Before the time expires however, it is not possible for wallet B to access any of wallet A's assets.

Using the ebox Wallet Linker is as simple as connecting with your side wallet and choosing to automatically grant access to your main wallet in a year, for example, and that's all there is to it.

This service is currently in planning and will be released in accordance with our roadmap.

ebox business solutions

Through our emerging ebox Business Solutions branch, we are offering the technology we developed to other crypto projects and businesses, aiming to provide a complete solution for everything from crowd sale to token utility through staking & governance, and beyond.

Implementing ebox mechanics by deploying our services for your project becomes a mundane task using the clear, concise dashboards and interfaces we aim to present in the upcoming weeks and months.

In-Wallet Staking & Yield Farming

For an explanation of how our In-Wallet Staking model works, please see below under "Token Utility", as this section is about the business-to-business implementation.

After seeing how well the staking model that we initially developed only for our own purposes was received by our community and outsiders alike, and on top of that being approached by another crypto project asking for help with their staking program, we realized the need for providing the technology we develop to other crypto projects and businesses.

With the aforementioned crypto project, we already have a running, successful implementation of our In-Wallet Staking. In the same way that users can stake tokens through our In-Wallet Staking, yield farming is also possible by simply selecting a particular "LP token" as the token to be staked.

For easy setup and administration, we will be building a convenient interface for businesses to deploy their own fully customizable instance of our staking model, allowing to choose conditions, bonuses, and define all relevant details.

As of now, we are providing our staking calculations after individual consultation, through a simple API for integrating the calculation results into your project's staking dashboard. Kindly contact us at office@ebox.io if you are interested in integrating the ebox In-Wallet Staking & Yield Farming into your project.

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ebox Investment Platform Service

Observing a trend throughout the crypto sphere in recent months, project fund-raisings are no longer a thing of predominantly small private retail investors – Much rather, crypto projects tend to work together with various pool groups, VCs and DAOs to collect the funds necessary for a successful launch. This benefits newly starting projects by having to conclude contracts with only a few parties, rather than needing to reach out to a large number of small to medium-sized private investors.

Thus, many decentralized investor groups and so-called launchpads have formed within the last year, each of them going by their own procedure of getting crowd-funding rounds done as fair and simple as possible.

Problem
Looking under the hood, one would expect to find an arrangement of neatly organized automations, but quite the opposite is the case: Interestingly, many if not most processes are being done by hand, making them prone to such simple fallacies as basic human error, which can happen to anyone at any time.

Given the size of such groups' member pools of oftentimes hundreds if not thousands of active users, and how tedious it can get to manually process all their deposits, eventually refunding part of those at the expense of unnecessarily paid transaction cost, we at ebox see the absolute need for a complete, automated go-to solution here – A tool that makes life safer and simpler at the same time, for both your userbase and you as a project administrator.

Solution
With our experience of the past years, both as private investors and as professional, we have come to know the workings of various pool groups and DAOs. Combining this with our usual spirit of simplicity and innovation, we are presenting a service that brings the best of ebox to the world of launchpads and IDOs.

The ebox Investment Platform Service enables project administrators to deploy a crowd sale at highly customizable conditions through a convenient dashboard, in a way that reduces financial impact on both sides, and at the same time provides for unbreakable safety and reliability where needed.

Included features, not limited to:

• Open & end crowd funding rounds through a simple interface
• Define min / max allocation – Anything above gets rejected, no need for re-funds
• Define min / max cap per user
• Define start & end time – Before and after, no payments are accepted
• Set requirements for participation
        • Holding a specific token
        • User whitelisted
        • Social media verification (upcoming)
        • Referral activity (upcoming)
• Enable / disable users retracting their funds once deposited

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- Include custom data & further information to be displayed to users
- Easy token distribution through integrated ebox Claiming Platform
    - Particularly important: Vesting & locking!
- Simple end-user dashboard
    - Shows all sales the user is eligible for
    - Enables depositing funds for sale, and claiming token afterwards
    - Privacy option, based on ebox On-Chain Escrow

Project operators will no longer need to meticulously maintain workflow sheets and keep track of every single step in order to ensure that all members are given the correct amount of tokens, all while saving on costs for transactions and potential error.

On the user side, members benefit from not having to keep track of past transactions and pool groups for their investments anymore, as all relevant information is being displayed to them through a clear, easy-to-use dashboard interface, giving an overview of open / closed pools, eligibility for participation, and so on.

At the same time, not being able to over-fill the sale profits users just as much as project administrators, saving them unnecessary transaction costs. The risk of sending funds to a wrong address is completely eliminated, as all pool investments are handled through the aforementioned dashboard, and users never even have to bother with handling a single address other than their own.

Any kind of verification required for participation in the sale is handled automatically by the ebox Investment Platform Service, in such a way that users don't need to waste a single transaction. It's only when all conditions set by the administrator are met, that users are given the option to deposit funds through their dashboard.

In order to give an option for anonymization and increased privacy, users will have the possibility of determining another, second (third, fourth, …) wallet address, through which the token claiming will take place.

Bottom Line
Through the use of established ebox tech, we give you a complete solution for managing crowd sale rounds in a safe & simple way that vastly reduces the potential for human error, the financial overhead of transactions that can be avoided, and also the workload involved on all sides.

For all crowd sale needs that arise outside of what we're offering here, kindly feel free to contact us at office@ebox.io, so we can work out an individual solution for your project together.

This service is currently under development and will be released in accordance with our roadmap.

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Transactionless Governance

For a more detailed explanation on our Transactionless Governance model, please see below under "Token Utility". The governance model will be explained in this chapter as well, but less in detail, as this section is more about the business-to-business implementation.

Even before our very beginning, it was clear for us at ebox that the community had a very special place in our hearts and in the way we engineer our project. Keeping an attitude that's generally open for suggestions and discussion is one thing, but there is nothing more directly democratic than getting your community involved through open, public voting on certain matters that set the course and direction of your project's development.
We elaborated a way that strives to balance each user's individual power behind a vote, and the actual amount of tokens that users have when voting.
You can have a detailed description of our governance model here.

Same as for our staking service, after building this tool for ebox and realizing that a lot of other projects are thinking the same way as ebox and want to implement such service, it became clear that we need to offer this product as a service.
As with our staking program, users don't have to lock tokens anywhere in order to participate in governance voting.

Governance as a utility for a token is an attractive utility. It's a way to give the power back to the community and therefore a lot of different projects are eyeing to include such service.

Projects will have the opportunity to choose between a variety of parameters, such as minimum holding period, balance, individual power and anything in between.

ebox will produce a fully functional system for the projects which will be accessible through an easy straightforward dashboard in the end.

Business partners can rent that service & throughout participate in these major advantages.

This service is currently under development and will be released in accordance with our roadmap.

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Everyday Tools for Business

Successfully launching and maintaining a crypto project is already a rather serious responsibility on its own, but as always, it's the details that can make all the difference. There are lots and lots of small and not-so-small challenges that need to be tackled properly in order for a project to flourish, and for some of those, ebox is here to help and take some weight off your shoulders.

Liquidity Locker
When providing liquidity on a DEX such as Uniswap or PancakeSwap, the liquidity provider receives a certain amount of LP tokens ("UNI-V2", "Cake-LP" etc) representing the pooled assets for both sides. Whoever holds these LP tokens is able to retrieve those assets.

Given how it is necessary to provide an adequate amount of funds as liquidity when launching a new token onto the market, and how "adequate" usually means "a rather serious lot", it is understandable that users are oftentimes concerned about what's being done with the LP tokens. Burning the LP tokens is one option, but one that is both irreversible and potentially damaging to the project's health.

The one single right thing to be done here: Storing the LP tokens inside a smart contract with a customizable time lock, which trustlessly takes care of them until the right time has come. Being a fully transparent on-chain service, each and every user can check what's going on, and rest assured that the ones in charge with the project are as concerned for their users' safety as they are.

At ebox, we understand the necessities of both worlds – With the ebox Liquidity Locker, we're offering a simple tool that can make an impactful difference, one that makes rug pulls a thing of the past.

This service is currently in planning and will be released in accordance with our roadmap.

Multisend
Distribution of funds is a task every crypto project having a token is faced with at least once in its lifetime. Usually, this something that has to be done repeatedly due to vested token unlocks etc, resulting in spending some more or less serious money on transaction costs, depending which chain your project is active on.

We have come up with a way to greatly reduce the financial impact of sending assets to multiple addresses in parallel, supporting any kind of funds, be it ETH / BNB / MATIC, ERC-20 tokens or NFTs.

Just like one would expect, it's as simple as it sounds: Provide funds, upload a list, click a button and be amazed how cheap it is when compared to conventional multisending solutions.

This service is currently in planning and will be released in accordance with our roadmap.

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Claiming Platform
Other than distributing funds through direct sending, having users claim their individual share through a smart contract is the other option – Which one to choose depends entirely on the task at hand, as, for example, vested tokens that are unlocked in regular intervals are something usually sent directly, whereas rewards, such as for staking, are usually claimed by the user.

The practical difference for the administrating party lies within the transaction costs: When using a service such as ebox Multisend, the sender carries the entire financial load, whereas with claiming, each user pays their claiming transaction individually, and the administrator only has to pay for one single set-up transaction.

As mentioned above, it is entirely up to you to decide which tool is best suited for your needs. For those moments when you want your users to be able to claim their share in tokens themselves, with optional time-locked vesting, conditions for claiming and more options being currently developed, the ebox Claiming Platform is here to help.

This service is currently in planning and will be released in accordance with our roadmap.

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fee structure, packages and pricing

As with everything we develop, the way we generate income through offering our services and solutions has to take place in a way that both we at ebox and every single of our customers, be it individual users or entire crypto projects, can smile at the end of the day and call it a good deal.

With due consideration to our current stage of development progress, this section is one that will be extended with particular focus during the upcoming weeks following this whitepaper's release.

ebox On-Chain Escrow v1
Until it will be superseded by the release of v2, the ebox On-Chain Escrow v1, which is currently live on Ethereum, Binance Smart Chain and Polygon, is completely free to use.

ebox On-Chain Escrow v2 (upcoming)
For transactions below $300 or of undefinable value, the ebox On-Chain Escrow will be free to use.

	regular services	with privacy	OTC
no EBOX	1.5%	2.0%	3.0%
>= 5.000 EBOX	0.8%	1.0%	2.0%
>= 15.000 EBOX	0.4%	0.8%	1.0%
>= 50.000 EBOX	0.3%	0.6%	0.8%
>= 100.000 EBOX	0.2%	0.5%	0.6%

The fees listed above are the same as in the previous whitepaper, and we are looking to make some corrections here. Within the upcoming months, we will present a new fee structure for our On-Chain Escrow, in accordance with governance voting.

ebox Business Solutions

The exact packages and pricing scheme for our business-to-business services are still under development, and will be unveiled in the weeks following the release of this document. The whitepaper will be updated accordingly.

For any inquiries regarding ebox Business Solutions, feel free to contact us any time at office@ebox.io. We are open for suggestions, wishes & ideas for future services, as well as discussion about our packages and pricing, and individual requests for custom(ized) services.

ebox token

We wanted to give our community of supporters something worthy to hold onto, so we have designed our EBOX token and everything around it in a mutually beneficial way: For everyone believing in us, as well as for ebox as a project, depending on a strong, stable community and user base.

This mindset has been factored into the utility surrounding our token, meaning the possibilities and options EBOX holders are given, and also into how we handle the distribution and vesting (time-lock) of the EBOX token.

Token Utility

What's a token good for, if you can't do anything with it? There are situations when this doesn't apply, but mostly, this is a legitimate question. Following up, we will elaborate what the EBOX token can do for you.

Reduced Fee

Expressing one's faith in what ebox does through holding our EBOX token is the shortest route to direct benefit: For all ebox services & solutions that charge a fee, everyone holding 5.000 EBOX or above gets a significant discount, which gets even more significant when holding 50.000 EBOX or above!

For details, please see the "Fee Structure, Packages and Pricing" section.

In-Wallet Staking

Oftentimes, when taking part in a crypto project's staking program, one is required to lock tokens inside a smart contract. We at ebox want to give our community the best possible service & experience, so we thought that through — And came up with a model for staking rewards that's both safer and easier to use than the previously established standard.

When locking tokens in a smart contract for any sort of bonus program, the worst case that can happen is getting both your tokens and your reward taken from you. Without that, the absolute worst case is getting no reward at all — Still not something desirable, and something that'll never happen with ebox, but we prefer not forcing our users to trust us (or anyone else) more than they absolutely have to.

In order to operate as trustlessly as possible, ebox lets everyone with more than a certain amount of EBOX in their wallet automatically participate in our staking program. It's as simple as that!

How Does It Work?
The share rate is used for calculating each user's individual share among the entirety of EBOX tokens that are being given away as staking rewards, and will be explained in detail further on.

Users holding 5,000 EBOX or above are assigned a base share rate of x1. Users holding 50,000 EBOX or above are assigned a base share rate of x2. Users with less than 5,000 EBOX do not participate in the staking reward program (base share rate = 0).

Staking period (from one payday to the next) is one month, during which the minimum of 5,000 EBOX / 50,000 EBOX needs to be held at all times. When a user's balance drops below one of those threshold values, the share rate is adjusted / nullified for the current staking period. Previously accumulated rewards that have not yet been claimed do not expire.

Each 15th of the month, rewards are calculated and made available to participating users to be claimed directly (and only) through ebox.io.

Counting days for staking rewards started at EBOX token generation on the 25th of March 2021, and the first payday will happen on the 15th of May 2021 (for the entire period from 25th of March to 15th of May).

"Share rate"?
In order to calculate everyone's staking, ebox keeps track of all EBOX holders' balances. Each balance is assigned a base share rate of x1 or x2, which can further be modified by the aforementioned bonuses.

18% of the total EBOX supply (65,000,000) have been allocated for staking, which makes for a total of 11,700,000 over a period of 4 years, equaling 243,750 EBOX being given away as staking rewards each month.

These monthly 243,750 EBOX are split among all participating users proportionally to the amount of EBOX tokens being held, multiplied with the user's respective share rate.

Reward Bonuses
DuckDAO Bonus: Staying true to our roots, we offer all DuckDAO members (holding 200 DDIM or 20,000 DUCK, or above) an extra +10% share rate.

Liquidity Provider Bonus: EBOX tokens that have been used for liquidity providing also count towards the staking program. When locking 5,000 EBOX tokens or more for liquidity, users get an appreciative reward of +20% share rate.

Long-Term Bonus: Our long-term supporters will be rewarded with an extra bonus that even grows with time: Starting from the second consecutive month of staking up to the tenth consecutive month, long-term stakers get a growing bonus on their share rate. The bonus then stays constantly peaked at the highest level until staking ends, or one decides to leave the staking program.

• Month 2: +5% share rate
• Month 3: +10% share rate
• Month 4: +15% share rate
• Month 5: +20% share rate
• Month 6: +25% share rate
• Month 7: +30% share rate
• Month 8: +35% share rate
• Month 9: +40% share rate
• Month 10: +50% share rate

ebox

Payout

With our roots deeply within the community, we at ebox see it as an absolute necessity to let our users & believers benefit from our success, as it is theirs just as much as it is ours. Therefore, 25% of all ebox income is reserved to be distributed among our community.

Anyone holding 5,000 EBOX or above automatically participates, and is eligible to claim their share through our staking & payout dashboard. Payout shares go along with our staking model, meaning that the same conditions, multipliers and bonuses apply.

Transactionless Governance

Right when we started off, it was clear for us how the community has a very special place in our hearts and in the way we engineer our project – Keeping an attitude that's generally open for suggestions and discussion is one thing, but there is nothing more directly democratic than getting our community involved through open, public voting on certain matters that set the course and direction of our project's development.

We came up with a way that balances each user's individual power behind a vote, and the actual amount of tokens that users have when voting. As with our staking program, users don't have to lock tokens anywhere in order to participate in governance voting.

How Does It Work?
Governance votings are held through our website at ebox.io, with anyone holding 1 EBOX or above at a certain point in time being eligible to vote. This certain point in time is arbitrarily chosen by the ebox team for each voting, meaning that a snapshot of the blockchain from one to few days before the voting will be used to determine the list of eligible voters.

Subjects for voting and options to be chosen from are either proposed solely by the ebox team, or as a joint effort between ebox and the community. Community members are always invited to reflect on what's going on with our project and bring up new ideas and directions, which will then be discussed and can eventually lead to a governance voting being held.

Votings go on for a limited time (usually a few days), after which the results are evaluated and presented transparently. Each user gets a single vote that cannot be changed or withdrawn once cast.

Best of all: ebox Transactionless Governance is absolutely free to use and guarantees manipulation-free voting by using Ethereum signatures.

Weighted Voting
Aiming to provide a fair and democratic approach to the way the ebox community is involved in project-related decisions, the initial idea was to weight user's votes 1:1 by tokens held, linearly. This would mean that the vote of someone

holding 10,000 EBOX would count like the votes of two people each holding 5,000 EBOX.

This seems reasonable at first, but when you realize that it would take 20 (!) individuals holding 5,000 EBOX each to realize a 50–50 voting result versus one single person holding 100,000 EBOX, it quickly becomes clear how this model would not honor the value of the individual, the human being that consciously decided to go with ebox and believe in what we're doing.

In order to get as close as possible to that actual "power to each individual" fairness that our project stands for in everything we do, we successfully elaborated a different model, which best balances individual power and the significance of tokens held. Kindly have a look at the "Technical" chapter for further detail.

Deflationary Token

Through buying back & burning EBOX tokens using a part of our generated income (see fee section for details), we guarantee a shrinking token supply both short-term and in the long run. This deflationary token model benefits both long-term holders, and the ebox project as a whole.

Token Distribution

Blockchain tokens usually represent value, which is clearly the case with our EBOX token, and going along with that comes the potential for fluctuations in marketability, interest in the token and the associated project, and so on. Different parties having different aims and focusses both short-term and long-term was also something to be considered.

We have taken great care to find a very viable middle way that is fair to everyone involved, keeping in mind the good of our community just as much as the delicate yet powerful, fate-deciding nature of the market, and our own need for funding in order to further development and never cease to innovate.

• 35% Token sale
    • 6.0% Strategic sale (token price: $ 0.038) – 7% unlocked at token generation event ("TGE"), monthly distribution of other 93% over following 12 months
    • 24% Private sale (token: $ 0.047) – 20% unlocked at TGE, monthly distribution of other 80% over following 4 months
    • 2.5% Public sale (token: $ 0.055) – Full unlock at TGE
    • 2.5% Farmcubation (token: $ 0.050) – 50% unlocked at TGE, monthly distribution of other 50% over following 2 months
•18% Staking – Available for staking for 4 years, starting at TGE
•16% Marketing – Monthly distribution over 24 months, starting 6 months after TGE
• 2% Marketing bonus / Bounty / Airdrop – Unlocked 7 months after TGE
• 2% Liquidity pool bonus – Monthly distribution over 6 months, starting 6 months after liquidity pool
• 2% Referral system – Monthly distribution over 6 months, starting 6 months after TGE
• 3% Advisory – Monthly distribution over 12 months, starting at TGE
• 12% Team – Monthly distribution over 18 months, starting 12 months after TGE

- 10% Backup – Monthly distribution over 12 months, starting 24 months after TGE
- 4% Liquidity – Full unlock at TGE

The following token emission curve depicts the amount of unlocked EBOX tokens over time. Observe the curve's flattening, indicating an increasingly stable circulating supply:

ebox
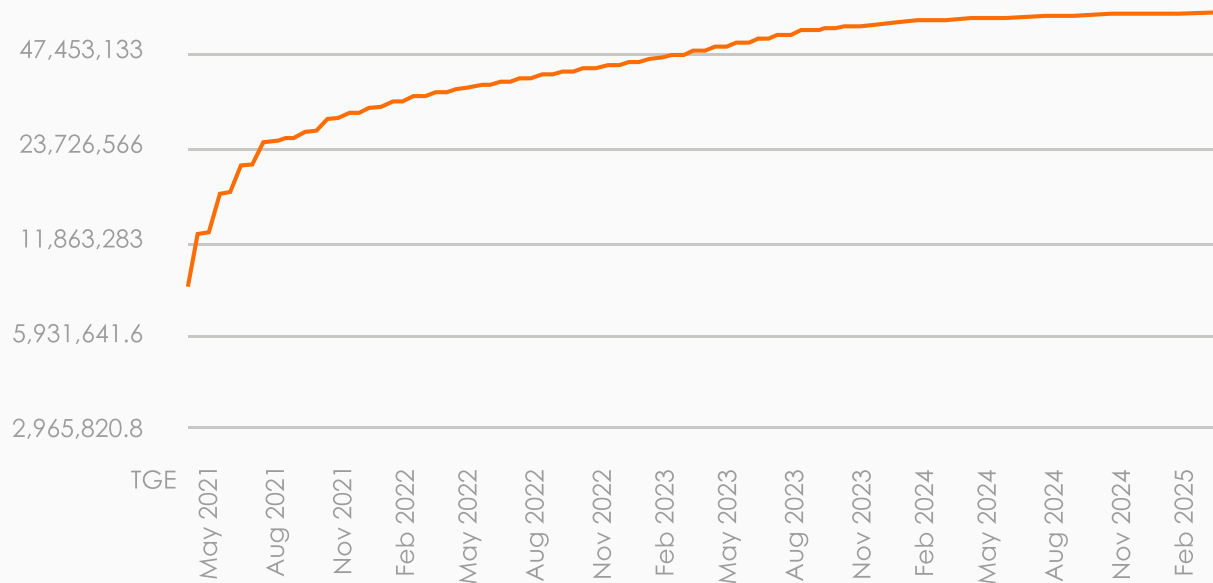
marketing and strategy

Having a good story to tell is one thing, but telling it so that the listener has no other way than to be mesmerized and captivated, almost getting carried away by the ease with which it flows and yet the impact that it carries, that's a completely different story of its own.

We at ebox understand the need for strategically & tactically giving our products, services and innovations the stage they deserve, presented in a light that shines favorably on them, so that the spark we imbue our creations with can flash over to our audience and beyond.

Branding & Identity

Introduction

As much as we'd love to be able to say something along the lines of "it took a great deal of work to come up with our elaborate corporate identity", quite the contrary is true. Given how we had spent all our creative energy and focus on coming up with ebox services & solutions, there was none left for thinking about how to portray ourselves.

Of course, the above paragraph's last part was meant more as a joke than anything else, but as with every joke, there's some truth to be found here. We did, in fact, consider very well how we wanted to come across to the general public, both as a team of founding individuals, and as the project that we now are.

It's just that the answer came right up: Authenticity. There is no need for fancy staging and the like, when what you do resonates perfectly with what you are. Keeping in mind the reason ebox was founded in the first place, that being one of a crypto trader's personal necessity – representing that of so many others out there, it becomes clear where we at ebox see ourselves.

What is ebox?

We are people with a vision, combined with enough knowledge and the right mindset to make it happen. Our dream is one that is shared by millions of people in the crypto space every day (most of them probably haven't realized yet), as we are simply a part of the community that has come to manifest into something that creates and gives back.

This attitude is represented throughout every single fiber that makes up what ebox is today: Take, for instance, the way people interact with us & each other on our Telegram community, oftentimes being described as one of the few, if not one single completely non-toxic crypto community.

By standing true to our ideals and coming across authentically as what we are – people, still with a vision, coming from the community and now taking their turn to give something back, we orchestrate everything that comes from ebox in a way that people can feel respected, included and treated at eye level.

The same conviction is also found throughout our services & solutions, which we aim to keep as simple and straight-forward as possible, while building on a foundation of "we don't go below 100% safety" and bulletproof functionality.

Brand & Visual Identity

Finding our core beliefs reflected in the visual appearance we found best suitable for making our services shine in a way that best reflects their character, was, contrary to the above, a challenge indeed, regarding our project's naming, as well as the logo design and the general color palette to be used.

With the name "ebox" together with the bluish-purple colors that go along with the brand we have established so far, we feel that have done well at setting our first foot as an up-and-coming crypto business. The color palette we have chosen is one that conveys stability as well as an impression of spirited innovation.

Yet, as time passes and things evolve, so do we. As concise and well-memorable our name "ebox" may be, and as much as it might be justifiable to brand a project with "eth" considering where we started off, we see the need for a change.

Given how it is common practice among crypto projects to be affiliating with one or another chain through their naming (emerging projects on Polygon are a good example), and to imply the exclusiveness of their product to some specific chain, this is not something we at ebox want to do.

As of right now, we are working on a rebranding, a complete makeover for our corporate identity, with a name that's new yet familiar, universal yet tangible, and a logo design which, unlike our current one, harmonizes with every medium in which it is depicted.

Together with our creative & strategic partners at between collective, we will be unveiling the result of this endeavor within a few months' time, in accordance with our roadmap.

Marketing Concept

We at ebox firmly believe that good things made with honest effort spread their own word. Holding something meaningful in one's hand, the need for sharing one's passion automatically arises, and keeping it close to the hart is something that comes by itself, effortlessly.

Focusing on organic growth through word of mouth of people who genuinely believe in our services' integrity and value, we see the main potential for getting to our audience by reaching out through seemingly low-key channels such as Telegram, Twitter and Reddit, in a well-orchestrated manner.

To back up the word of mouth being spread, we are looking to create a stable base structure of articles, blog posts, influencer activity, YouTube videos by us and / or about us, together with a polished, easy-to-use website and dApp dashboards. Other than output of information, this serves the purpose of giving people something to pass around and hold onto. A good product goes a long way, but one with pretty graphics attached to it goes much, much farther.

Through cooperation with diverse promotional groups and agencies, we strive to

push the word of our vision out into the world as far as possible, and secure our place within the hearts & heads of people.

Impactful & Dynamic
Aiding the goal of giving users something to hold onto, eventually making them firm believers, we generally like to stir things up a bit and keep everything in movement. Wherever there is interaction with anything ebox, there's a chance for leaving an impact and creating a long-lasting, pleasant memory.

Pleasant, for example, would be the touch of a freshly printed, fluffy-on-the-inside hoodie in a smooth combination of colors and a neatly styled ebox logo here and there. Winning in a community contest, being publicly announced and even receiving a monetary reward, now, that sure is something to be remembered.

Here are some very tangible initiatives we have already undertaken, or will be holding off in the future, aiming at intertwining our project with people's daily lives in a mutually beneficial relationship:

• AMAs within our own community
• AMAs with other communities
• Community contests
• Community quests
• Giveaways
• Early Adopter Bonus
• Referral program
• Liquidity provider bonus program
• Merchandise (the aforementioned fluffy hoodie, also shirts and various gadgets), given away for free on special occasions
• The entire story of our In-Wallet Staking and Transactionless Governance
• Physical presence of ebox founders at crypto conventions, meet-n-greets, etc

These all have in common that they do a great job at integrating both the community and outsiders into the whole process, (further) familiarizing them with ebox as a vision and as a service along the way.

Giving Something Back
Bringing together the previous section, shortly summarized as "give users something to interact with!", with our roots within the community and our proficiency at getting things done, we figured it would make everyone happy if we were to establish a portfolio of free-to-use tools along the way.

Giving back some of what we've learned along our journey, we will be presenting a set of blockchain helpers through our ebox Everyday Tools and ebox Everyday Tools for Business, some of which will be entirely free of charge.

Aside from establishing further revenue streams and fortifying a broader base for ebox as an enterprise (see "Strategy" section below for detail in this regard), the purpose we see in this is, one could have guessed: Giving users something to interact with.

In this win-win relationship, everyone involved benefits. People will have to struggle less with daily blockchain activities which can be easily automated or cir-

cumvented with a little extra effort here and there from our side, and us at ebox finding a home inside people's hearts.

The services that are being presented in this whitepaper under this category are merely a very first impression of what is to come. We plan to be extending this branch, so as to offer a multitude of tools eventually – However, coming last and definitely not least, quality always goes over quantity for us, so the whole thing's character will always be a carefully-curated list of tools and helpers, further adding to the value of ebox as a whole.

Foundation & Connection
At the very base of it all stands the core of ebox – The three founders and their team with their innovative spirit of leaving no stone unturned when the mission is finding the perfect solution (they would say "the only acceptable"). Starting off with just a dream, they now have a dream and a blockchain enterprise to go along.

The point of stating this is to underline the weight and credibility added by how favorably the situation has evolved for project ebox since its beginning until present day. Together with the experience surrounding the crypto space and its inner workings that they bring, this makes for a very solid impression that is sure to be felt.

Through a well-established network of strategic partnerships with diverse crypto projects and long-term big players, such as their pre-day-one supporters at Duck-DAO, we at ebox strive to further deepen the imprint we can leave in the crypto sphere and in people's everyday lives.

Strategy

One particular key aspect of how ebox evolved can be observed very apparently when comparing our whitepaper's previous installment to the current one: Having started off exclusively with the ebox On-Chain Service as our single main product, we are now looking at a much wider array of services and solutions to offer, both to individual customers and crypto projects & businesses alike.

The declared goal here is establishing ebox as a company through putting several supporting pillars into the ground, on which our project can stand independently. Rather than stand on one single leg, we see having multiple ones as a critical factor for economic success.

With our emerging business-to-business branch and by extending our business-to-customer services, we aim to set a broad entrepreneurial foundation for ebox, throughout which all our customers and clients can benefit from the EBOX token utility (will be further extended to accommodate business & other new services).

B2C and B2B Integration
The two worlds we are striving to combine in through our strategic approach play be different rules, in that making an impact depends on different factors for customer products than it does for business solutions. Both branches have in common how it takes time and effort to make things grow and flourish, as can exemplarily be seen with Uniswap and OpenSea, very successful protocols to date which took an average of 2 years for building their audience.

Getting our B2C services out into the public is something that requires a certain kind of sensitivity, and being able to adapt to a larger number of variations throughout one's course in order to satisfy the community and every single individual's needs. If this is done right, getting your product known is merely a matter of time.

Our On-Chain Escrow serves as a good example for this, being a very accessible service: Having listened to the voice of our community, the seed for this part of our project has been planted in such way that everyone involved is guaranteed to be more than satisfied in the end, and now needs proper watering, nurturing, and time to grow.

Focus: B2B
On the business-to-business side, the situation is a different one: The concept of planting a seed and letting it grow with time into something grand still holds true, but here, timing can have a particular impact on its own.

Again, the ebox On-Chain Escrow can be used as an example for underlining this point. An escrow is service that was always needed since people started transacting on the blockchain, so the point of unveiling it to the masses is more or less irrelevant.

With business solutions however, their potential for impact (and therefore their use for ebox) highly depends upon external factors, such as the current market situation and people's general sentiment. Rather than approaching a mass of financially less impactful customers as it is the case with B2C, B2B typically requires interaction with less, but financially stronger partners.

Summing it up, the right product for the right task needs to be presented at the right moment to the right people, so that it can unfold its true potential, both technically and economically.

It is through our contacts in the crowd sale scene, both past and present, that we learned the value of the services we are now developing under the name of ebox Business Solutions – Fortunately for us, this means we are already with the right people.

Through our friends & supporters at the DuckDAO incubator, we can reach out to freshly-emerging projects, before they start or right thereafter, being the first to offer them a complete & all-around solution for necessities such as staking, governance and liquidity locking. There is huge potential for an avalanche effect here, with projects becoming our customers also becoming beacons that send the word of ebox into the world.

As for the right timing, this seems most relevant for the ebox Investment Platform Service. It is merely a question of "when" rather than "if", regarding pool group organizers switching over to an automatic solution in favor of doing things manually. Stepping in to be the first to help, we are sure to be making a powerful once our Investment Platform Service goes live and hits the market.

Bottom Line
We have to admit, we're modestly impressed with the progress we've made and how far we've come in such a short time, and we can only be thrilled at seeing our strategy unfold over the course of the next months and years.

By establishing a rock-solid foundation for project ebox through setting up multiple branches of business, we are creating an ecosystem that becomes more and more unshakeable and self-sufficient as time goes by.

This leads to a web of interconnection between ebox, crypto communities and crypto businesses alike, linking back to us at every corner and intersection, exponentially maximizing both our outreach towards the public, as well as the impact our vision has.

With our B2C and B2B product synergistically working together, our approach is not about doing something completely different altogether, but much rather about forging a system of services & solutions that pulls together to attract the broadest audience possible, mutually benefitting from the publicity that is being attracted.

Eventually, the extension of ebox through our new, emerging business-to-business branch is sure to bring an influx of users, thereby facilitating transactions being done over our business-to-customer products, which again feeds back into fortifying ebox as a solid name and partner to be doing business with.

ebox

Transparency

Putting particular emphasis on operating transparently, we at ebox see the need of preserving our authenticity throughout all aspects of our project. We greatly appreciate the trust we receive from our community and userbase, yet it is our firm belief that everything we do must work out as trustlessly as possible.

As such, we put great effort in assuring that our users know what's going on behind the scenes, both from a technological and from a financial standpoint. Through a separate upcoming dashboard interface on our website, we will be disclosing all our monetary flows.

The entirety of income generated by ebox is distributed as follows:
• 25% for future development
• 25% for marketing
• 25% for payout
• 25% for buyback & burn

Staking:
Anything that goes on inside & around ebox's staking program will be fully disclosed at ebox.io, including openly available data on users' EBOX balances that is collected from the blockchain, each user's staking reward and the share rate that was used for calculating the reward.

The integrity and validity of data used for calculating staking rewards can be verified at any time using blockchain explorers such as Etherscan.

Governance:
Before each voting, the list of eligible voters including their exact token balances in a specific snapshot moment is published on ebox.io. Users can see beforehand whether they can participate in a voting.

After each voting, users are able to see who voted for what, with how many tokens, and how their vote was weighted, therefore enabling anyone to double-check that their vote went through correctly and as intended.

The integrity and validity of data used for generating the eligible voters list can be verified at any time using blockchain explorers such as Etherscan, and each voter's actual / weighted voting power can be calculated using the formula described in this whitepaper.

technical

In accordance with our core philosophy, all ebox services and solutions are being developed to be safe, simple and innovative, first and foremost. At the bottom of it all, there's code, which reflects the ebox mindset through how it was conceived and how it's working.

Oftentimes, when having to choose between multiple options on how to solve a problem effectively, the one that seems the most apparent isn't necessarily the best. Our In-Wallet Staking gives a good example here – Even though it's a widespread, usual and highly workable practice among crypto projects to be holding off their staking by requiring users to lock tokens inside a smart contract, we questioned that, and reflected to see if we could find a more elegant solution (and we did).

The blockchain, being this huge, immutable, decentralized network that it is, brings previously unimaginable new perspectives and possibilities to what can be done over the Internet, digitally. It would seem practicable to make the absolute most possible use of it when developing DeFi services, but as with the above example, sometimes (not always) less is more. There are situations which require smart contract interactions in order to work out safely and properly, and there are those which don't – No need to be paying for transactions that don't make a difference.

We at ebox purposely reflect on how to best solve the problems we've set out to tackle, and for doing so, telling the aforementioned situations apart is key to creating services and solutions with actual, genuine value. On the following pages, we will be giving an insight to how exactly we're realizing this.

ebox

ebox Services

With the ebox On-Chain Escrow service being our main focus of attention in this chapter, this section is one in favor of doing things on-chain. Even here, we found some seemingly indirect routes which in the end yielded superior results and filled more room for improvement than the ones appearing shorter at first glance.

On-Chain Escrow (ebox Mainnet)

Users can either deposit funds inside the ebox smart contract ("send"), or retrieve funds that have previously been deposited by another user ("receive").

In order to guarantee that only the designated recipient of a transaction is able to receive the funds, the ebox smart contract takes the recipient's address (authenticated through wallet connection) as one part of a two-factor authentication. The other part is a passphrase, that is arbitrarily chosen by the sender of a transaction.

This means that for retrieving funds, the recipient has to be connected to ebox through a supported wallet using the address that was specified by the sender as recipient, and know the correct passphrase.

For all of this to work, the ebox smart contract has to keep track of what is going on – Who deposited how much, for whom, with what passphrase.

The passphrase part is critical about this, as it can't be stored in the smart contract in clear-text for obvious reasons, given that any data on any smart contract can be viewed by anyone at any time. Therefore, the ebox smart contract is sent merely the Keccak-256 / SHA-3 hash value of each transaction's correct passphrase, and it stores that values hash (the passphrase hash's hash).

A hash value ("hash") is a numeric value that is computed according to a certain cryptographic / mathematical algorithm – You put in X, and you get the hash of X.

What's special about hashes is that there is a unique hash for every X, and the hash of X can be computed at any time, but once only the resulting hash is left, there is no way to go back. The initial input, X, is impossible to retrieve. This is one of the basic underlying concepts of blockchain technology in general, which implies that the safety and reliability of ebox goes hand in hand with the blockchain itself, making it just as unbreakable.

Applying this knowledge to how ebox stores transaction passphrases, this means that ebox can validate any passphrase that it is told by a user trying to retrieve funds, without actually knowing what the passphrase is.

In order to retrieve funds, users are required to enter a passphrase, which is then hashed and submitted to the ebox smart contract.

The smart contract computes the hash of that submitted passphrase, and compares it to what it has stored inside its memory, which is the hash of the correct

passphrase (but not the actual correct passphrase itself).

Although it is theoretically possible to try and brute-force guess what could have been the correct input that led to a specific hash value, the hashing algorithm that is used by both the Ethereum blockchain and ebox (Keccak-256 / SHA-3) is engineered in such a way that it would take a potential attacker something around 10^100 years to succeed, which makes both breaking the Ethereum blockchain and breaking ebox practically impossible.

Upcoming in v2
Contrary to how this is currently being handled in v1, our next installment of the ebox On-Chain Escrow service will no longer require users to deposit the funds inside a smart contract.
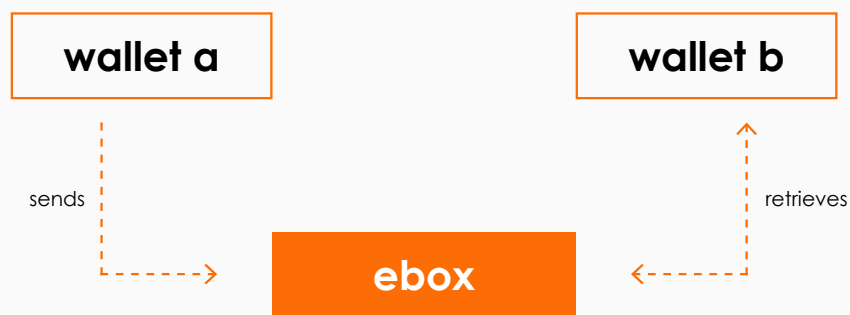
Transferring funds through ebox On-Chain Escrow v1

Instead, a token approval is granted to the ebox contract for every asset that is to be transferred, and funds remain inside users' wallets until the transaction is fulfilled. Then, funds are directly transferred from the sending wallet to the receiving wallet.
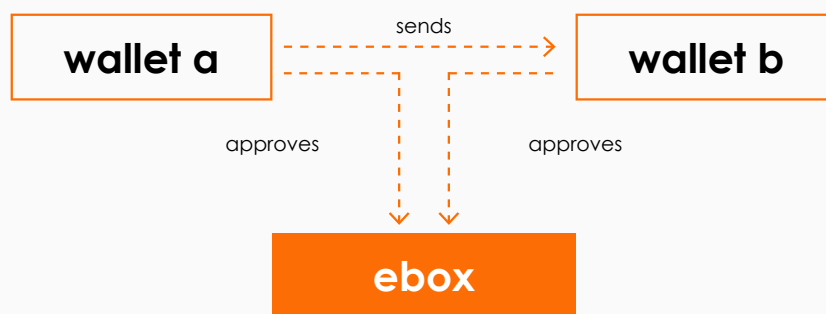
Transferring funds through ebox On-Chain Escrow v2

ebox

OTC / NFT Trading Platform

Our upcoming OTC / NFT Trading Platform is, simply put, a nicely styled wrapper for the ebox On-Chain Escrow service, coming as a separate website / dashboard. Essentially, it will offer the same functionality as our escrow, minus the non-OTC peer-to-peer sending, with full focus on requesting OTC trades from the general public.

This feature is currently available in our escrow Testnet v2 under the name "OTC Market (send to everyone)", and it's the reason we find a separate OTC platform something necessary. In order to be able to see through what could be millions of OTC trade requests, this has to be handled in its own (ideally full-screen) interface, allowing to properly filter and overlook.

This service is currently under development and will be released in accordance with our roadmap.

Everyday Tools

Approval Tracker

Gathering information about an address's token approvals is easily done by analyzing all outgoing transactions and looking for the approval's very specific format. From this, we know the token contracts for which someone has been approved, and also who that someone is.

All that's left is checking how much of the allowance is left, and then displaying it in a clear & simple online dashboard, coupled with buttons for setting each unwanted allowance to zero.

This service is currently in planning and will be released in accordance with our roadmap. Further technical detail will be disclosed once available.

Wallet Linker

Let "wallet A" be the side wallet to which access has been lost after connecting it through the ebox Wallet Linker, and let "wallet B" be the main wallet from which wallet A's assets shall be accessed.

In order to set up the wallet link, wallet A's user grants the ebox Wallet

Linker smart contract unlimited approval for the token that needs to be linked, and sets an arbitrary timeframe (ideally something longer, let's say 1 year). This timeframe is saved inside the smart contract.

When accessing the smart contract from wallet B before the timeframe expires, the user is told that there are no assets waiting to be taken control of. When accessing the smart contract from wallet A, the user is given the option to extend the timeframe arbitrarily, serving as a "I'm still here, still in control of this wallet" mechanism.

After the timeframe expires, the Wallet Linker contract lets wallet B access the funds by giving wallet B's user the option to deduct funds from wallet A through the approval the contract is holding. This will be served through the ebox On-Chain Escrow interface.

This service is currently in planning and will be released in accordance with our roadmap. Further technical detail will be disclosed once available.

ebox

ebox Business Solutions

As much as our hearts beat for what we've created to be serving through our business-to-customer branch, the ebox Business Solutions are the juiciest part of it all. With many more interconnections to be made and perspectives to be considered, aiming for fully automated, complete solutions poses a bit more of a challenge than our usual end-user service.

With our rich practical experience, we see ourselves as more than fit for this challenge. Weaving together different methods and approaches, programming languages and platforms, we are building solutions that will leave project executives with so much more time at their hands, and, if we dare say, also a little speechless.

In-Wallet Staking & Yield Farming

For a more detailed explanation on our In-Wallet Staking model, please see below under "Token Utility". The staking model will be explained in this chapter as well, but less in detail, as this section is more about the business-to-business implementation.

As of now, we are offering setup and implementation of our In-Wallet Staking & Yield Farming model through individual consultation only, as the dashboard solution is currently being worked on.

After all parameters have been defined, the internal ebox software takes over and leaves no work to be done by your project's administrators. Through a simple API served over a PHP endpoint, all relevant data and results for your project can be retrieved and displayed to users inside your (own) staking front-end.

The dashboard interface for this service is currently under development and will be released in accordance with our roadmap. Further detail will be disclosed once available.

ebox Investment Platform Service

Technically, the ebox Investment Platform Service ("eIPS") comes in two phases, the first being setup and depositing of funds by users, after which follows the second phase, where participants can claim the token they paid for.

Phase 1 – Setup, Investment Round

Initiating a crowd sale takes place through an easy-to-use dashboard, where all the relevant parameters (such as maximum total / per-user allocation) are set by the project's administrator, which are then submitted to and stored inside the eIPS smart contract.

Once this is done, the sale round is completely set up, and users are free to deposit their funds according with the conditions specified by the administrator. This happens through another straight-forward dashboard interface, separate from the one shown to administrators, but also part of the eIPS solution.

Using smart contract logic, users are only allowed to deposit as much as was determined by the sale's rules and conditions. If a whitelist is being implemented and an user is not on it, the sale round won't even be displayed to that user in the first place – Even if one were to get around that, the contract would reject.

After the sale's maximum cap has been reached, no more deposits are accepted. The last user filling the allocation will get just as much as is left, and never be able to over-fill.

With the sale now finished, the project administrator can collect all the funds and buy the token in question, which is then introduced back into the eIPS platform.

Phase 2: Token payout

As soon as the token has been deposited inside the eIPS smart contract, all participating users' dashboards will indicate the new situation and offer a one-click claiming option, allowing each user to claim exactly the right share without any possibility for fault.

Any options regarding vesting or other types of token lock determined by the project administrator in the setup phase are being enforced at this point through the eIPS contract. Users are free to claim at the conditions that were given, even over prolonged periods of time if, for example, vesting is in place, without any further administrative work required.

This service is currently under development and will be released in accordance with our roadmap. Further technical detail will be disclosed once available.

Transactionless Governance

For an explanation of how our Transactionless Governance system works, please see below under "Token Utility", as this section is about the business-to-business implementation.

Currently, we are offering setup and implementation of our Transactionless Governance system through individual consultation only, as the dashboard solution is currently being worked on.

After all parameters have been defined, the internal ebox software takes over and leaves no work to be done by your project's administrators. Through a simple API served over a PHP endpoint, all relevant data and results for your project can be retrieved and displayed to users inside your (own) governance front-end.

The dashboard interface for this service is currently under development and will be released in accordance with our roadmap. Further detail will be disclosed once available.

ebox

Everyday Tools for Business

Liquidity Locker

A wonderful example of how elegant smart contract solutions can be – Within a single transaction, funds are deposited inside the ebox Liquidity Locker, a time limit for unlocking is set, and that's that. The contract won't give back anything until the end of the locking time has been reached, as it has been programmed to do.

This service is currently under development and will be released in accordance with our roadmap.

Multisend

Contrary to what seems to be usual around the blockchain, we decided to handle sending funds to multiple recipients in parallel through an off-chain solution, rather than an on-chain smart contract, for the obvious reason of financial impact.

A list with all recipients and their individual share of funds is uploaded to the ebox server, and funds are transferred to a specific wallet. Once everything is set up, the funds are automatically distributed, being sent out almost instantaneously.

This service is currently in planning and will be released in accordance with our roadmap. Further technical detail will be disclosed once available.

Claiming Platform

Like our Liquidity Locker, this service is another one that shows what smart contracts can do for us. Again, within a single transaction, the administrator deposits funds inside the contract, and sets all the relevant parameters (recipients, their individual share, options such as vesting / time-lock and conditions for claiming).

After setting up a distribution round through the ebox Claiming Platform, users are free to claim their share at just a single button's click.

This service is currently in planning and will be released in accordance with our roadmap.

ebox API

For those readers of ours who are familiar with computer programming or, for that matter, any kind of engineering: As beautiful as things can sometimes get on the outside, it's what lies beneath the hood that makes everything happen. An engine with some wheels strapped to it is hypothetically (also practically) a vehicle, whereas a complete car with no engine will merely serve as decoration.

Aside, everyone has a different interpretation of what's beautiful and what isn't, so with all this in mind, it quickly becomes evident we need to offer our services & solutions in a way that both leaves room for individualism among projects integrating us, and also paves the way to mass adoption of ebox.

With the ebox API, we will be offering the simplest, most direct route possible that cuts right to the core of our technological foundation. Comprehensive documentation from our side will enable both projects and individuals alike to take part in what we've created, be it a contract-based on-chain service, or entirely off-chain.

Once released, our API will facilitate both deployment of ebox products, as well as interaction with existing ones, such as the ebox On-Chain Escrow. Integrating the ebox escrow into an existing financial service, or using it directly through API calls for your own purpose – The potential for interconnection and mutual benefit seems limitless here.

The ebox API is currently in planning and will be released in accordance with our roadmap.
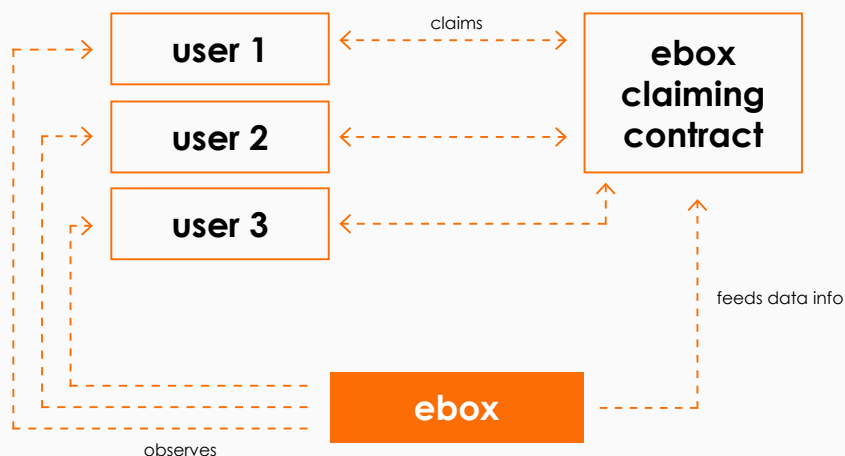
ebox

ebox

token utility

Over the course of the following pages, we will describe and elaborate the background tech that lets our staking take place in users' wallets without any locking required, and enables us to hold governance votings completely free of charge, yet just as safe as any blockchain transaction.

In-Wallet Staking

In order to facilitate maximum safety while at the same time minimizing transaction costs, our staking calculation takes place through an ebox-internal software developed specifically for tracking and managing on-chain events off the chain.

At the end of each staking period, followed by payday, the staking rewards are introduced into a smart contract and made available for claiming.

Variables used in the calculation of users' staking rewards:

S_B: Base share rate

S: User's share rate

S_{TOTAL}:   Sum of all user share rates

R: User's reward in EBOX token

R_{TOTAL}:   Total rewards = 243,750 EBOX
                                   per staking period

Calculating any individual user's share rate:

$$S = [\text{Amount of EBOX}] * S_B * [\text{Bonuses}]$$

Bonuses (DuckDAO, liquditiy providers, long-term holders) are applied in the form of a multiplicator, such as x1.10 for a +10% bonus.

Calculating the total share rate across all participating users:

$$S_{TOTAL} = S_1 + S_2 + S_3 + ... + S_X$$

Rewarding each individual user proportionally:

$$R = \frac{S}{S_{\text{TOTAL}}} * R_{\text{TOTAL}}$$

The calculation described herein and its base formula might seem simple and concise, however it is the software lying behind that makes it all happen, pulling string and keeping track of all relevant users' on-chain transactions of all involved tokens (EBOX, DUCK, liquidity tokens etc).

This is the very same mechanism that is being employed in providing other crypto projects with our innovations, through the ebox Business Solutions.
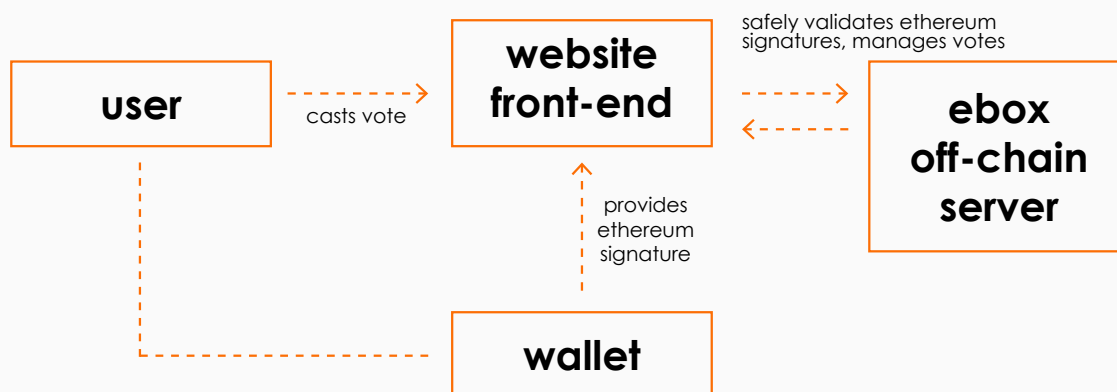
Payout

Our payout goes along with our staking and requires holding 5.000 EBOX or above. As such, the list of users taking part in staking and that of users being eligible for payout is the same.
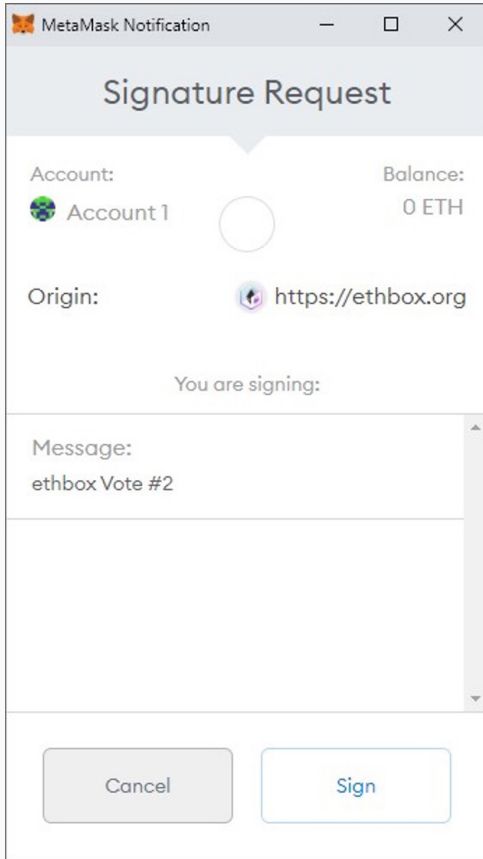
The share of ebox income that's reserved for payout is simply divided proportionally among those users, and made available for claiming over the same way as staking rewards, in order to avoid users having to pay two separate claiming transactions.

Transactionless Governance

Very much in favor of what we had in mind for our governance model, the Ethereum chain and all compatible ones offer a way of creating a signed message that can be verified at any time, but never altered, at a level of safety equivalent to that of the blockchain.

Such signed messages are handled and processed entirely in the user's client-side interface, through in-browser JavaScript and the respective wallet being used, and are then sent to the ebox server for storage, processing and validation.

safely validates ethereum signatures, manages votes

user → casts vote → website front-end ⇄ ebox off-chain server

provides ethereum signature

wallet

ebox

Signature Request

MetaMask Notification — ☐ ✕

Account: **Account 1** Balance: 0 ETH

Origin: https://ethbox.org

You are signing:

Message:
ethbox Vote #2

[Cancel] [Sign]

When casting a vote, each voter gets to sign a specific message using the wallet of choice, below being shown how it looks when MetaMask asks for a signature request.

Using Ethereum-signed message ensures that each individual voter can only cast one single valid vote. In the event that someone were to trespass our systems with the intention of manipulating the voting outcome by changing users' votes or injecting fraudulent votes, this will be instantly detected. If an Ethereum-signed message is tampered with in any way, this becomes immediately apparent, and the vote will not be counted.

Weighted Voting

The power of each user's vote is based on the amount of EBOX held, but graded through a logarithmically declining function, in order to balance the value of each individual vote, and the significance of EBOX tokens being held:

x: User's EBOX balance

$f_{(x)}$: Voting weight for user with x EBOX tokens

$$f_{(x)} = x \qquad \text{where} \quad 0 \leq x \leq 5000$$

$$f_{(x)} = log(x + 8796) * 31766.5 - 126505 \qquad \text{where} \quad x > 5000$$
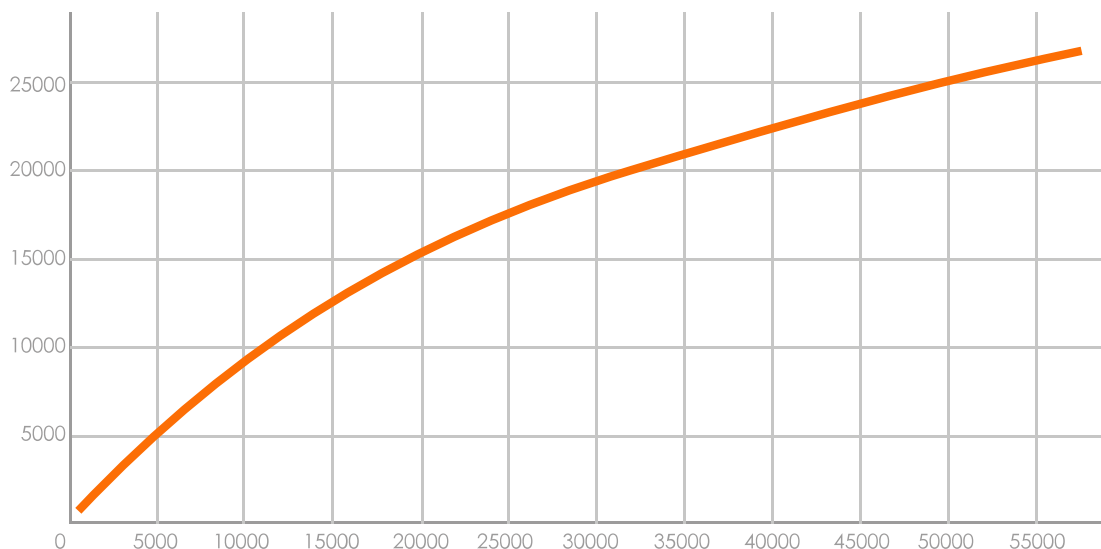
As can be seen, from 0 EBOX to 5,000 EBOX, each token counts as a single vote (1:1), whereas above 5,000 EBOX the linear function transitions to a logarithmic one, meaning that it continuously grows without a top limit, but also flattens gradually.

We defined the curve in such a way that a voter holding 50,000 EBOX tokens at the specific snapshot moment gets the voting power of 25,000 votes. A voter holding 100,000 EBOX tokens is attributed 33,490.6 votes. This means that it takes roughly 6.7 voters with 5,000 EBOX vs 1 voter with 100,000 EBOX to attain a 50–50 voting tie.

The mathematical formula used here is openly subject to discussion, and we at ebox are willing to adapt and improve in the way that feels the most balanced and fair to our community members.

ebox

roadmap

Looking back at what has been achieved so far, we at ebox can surely say that it's been an incredible journey for us so far. Following up, we will recapitulate the most important events and give insight to our plans for the near and mid-term future.

achieved milestones

Q1 2021

05.02.2021	Lightpaper v1
05.02.2021	Strategic partnership: DuckDAO
07.02.2021	Testnet v1 live on Rinkeby testnet
08.02.2021	Whitepaper v1
12.02.2021	AMA: DuckDAO community
19.02.2021	AMA: DeFiRacoons community
20.02.2021	AMA: tutulamayanlar Turkish community
26.02.2021	Strategic partnership: VYSYN Ventures
15.03.2021	Strategic partnership: Boxmining (Michael Gu)
15.03.2021	ebox community event: Quiz
19.03.2021	Token generation event
25.03.2021	IDO through DuckDAO on DuckSTARTER.io
25.03.2021	Listing on CoinMarketCap.com
25.03.2021	Provided liquidity for ebox Token (EBOX) on Uniswap (Ethereum)
25.03.2021	ebox community event: Twitter contest
28.03.2021	ebox community event: Telegram early adopter event

Q2 2021

01.04.2021	In-wallet Staking released for ebox stakers
07.04.2021	Strategic partnership: English Forward / Forward Protocol
16.04.2021	ebox community event: Design contest
16.04.2021	ebox community event: Written content contest
16.04.2021	ebox community event: GIF / Meme contest
17.04.2021	AMA: DVA community
20.04.2021	AMA: CryptoBull community
29.04.2021	Transactionless Governance released for ebox users
17.05.2021	Provided liquidity for ebox Token (EBOX) on PancakeSwap (BSC)
19.05.2021	Strategic Partnership with World Token
22.05.2021	AMA: MultiChainApes community
26.05.2021	Strategic partnership: ChipStars (DuckDAO-supported)
27.05.2021	ebox community event: ebox poker tournament with ChipStars
30.06.2021	Mainnet v1 live on Ethereum, Binance Smart Chain & Polygon
30.06.2021	Business partnership: CHIHUA Token (DuckDAO-supported) becomes first project to implement ebox In-Wallet Staking for their users

Q3 2021

01.07.2021	Testnet v2 live on Rinkeby Testnet
07.07.2021	AMA: ebox Community AMA #1
07.07.2021	ebox community event: Early adopter quests
30.07.2021	AMA: DuckDAO community

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upcoming milestones

sep + oct 2021

- 01.09.2021: Whitepaper v2
- ebox Mainnet v2
    - Ongoing development
- ebox Business Solutions
    - ebox Investment Platform Service
        - Planning and development
        - Early demo testing with strategic / business partners
        - Release
    - In-Wallet Staking & Yield Farming
        - General rework of entire mechanism to facilitate automation
        - Development of framework and dashboard
        - Release
    - Transactionless Governance
        - Refining ebox Governance into automatedly usable service
        - Release
- ebox Everyday Tools
    - Revoke
    - Save Your Funds
- Marketing
    - Start of Liquidity Provider Bonus Program
    - Start of marketing initiative for promoting ebox Business Solutions
    - Cross-marketing: Establishing further strategic partnerships, building & strengthening our relationships within the crypto space
    - Ongoing work on rebranding and refining our corporate identity
    - Background work on preparing articles, videos etc for upcoming rebranding
- Onboarding of developers

nov + dec 2021

- ebox Mainnet v2
    - Finishing development (including NFT support)
- OTC / NFT Trading Platform
    - Start of planning and development
- ebox Everyday Tools for Business
    - Liquidity Locker
    - Multisend
    - Claiming platform
- Starting development of
    - Browser extension
    - ebox Wallet
    - Mobile app
- Marketing
    - Finalizing rebranding
        - Release of new brand identity
        - New name, new logo, new colors, new website
        - Starting ongoing release of videos, articles and blog posts to promote new brand identity
    - Start of marketing initiative for ebox Mainnet v2
    - Ongoing marketing push for promoting ebox Business Solutions
    - Resuming ebox community event: Quests
    - Referral program
        - General ideation, conception, start of development
- Further wallet integrations as wished for by our community
- Further chain integrations

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Q1-2 2022

- OTC / NFT Trading Platform
  - o Beta testing with selected partners
  - o Release
- Release of
  - o Browser extension
  - o ebox Wallet
  - o Mobile app
- Further refining & polishing of all ebox Services & Business Solutions, including addition of minor features here and there
- Further chain integrations

Q3-4 2022

- Tackling any feedback & wishes from our community that haven't been solved and fulfilled by then
- Release of next roadmap

Perspective

Always reaching out into the wildest beyond (we just can't stop doing that, but we have a feeling everyone involved is very fine with that), there's always the question where to go next.

With what we've established so far and are going to establish within the upcoming period of time as portrayed by our roadmap, we feel that we've set a very solid foundation for extending the goals we've already realized, and giving future milestones a place in our vision of ebox.

Before moving on to new horizons, we want to be absolutely certain that everything sits well, every single gear spins without friction and all mechanisms play together flawlessly. Marketing our brand identity and integrating ebox within the daily lives of people and business alike is something that takes time and effort, which we are both willing to invest.

We would now conclude with something along the lines of "therefore, the period following this roadmap will be one of consolidation", but as true as that stands, there'd be something left out. Dreamers never stop dreaming, and ebox never stops innovating.

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As a last outlook towards potential major subjects to be tackled by ebox at some point in the future, left rather undefined on purpose as to not imply any certainty or probability whatsoever, here are some ideas that left a lasting impression on us:

• Extension of privacy concept

• Research of mechanisms suited for realizing on-chain privacy, such as zk-SNARKs

• Novel ideas such as "decoy boxes", being created and funded automatically by ebox with every privacy transaction being send (in order to make back-tracking the original sender impossible)

• Insuring all ebox smart contracts where user funds are stored against potential damage through hacking etc, as an addition to audits with CertiK Foundation

• Blockchain ID services for enabling on-chain validation of address owners

• Integration into ebox On-Chain Escrow, so that for example the sender can ask the recipient for ID before transacting

• Fiat onramp with direct integration into ebox On-Chain Escrow and OTC / NFT Trading Platform

• Patenting all ebox services & solutions

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team

Forming the base of everything that is ebox, the three founders behind this project set the foundation with their long-lasting close friendship of over 15 years, bringing with them a solid background of mutual trust and respect, as well as experience and diligence in working situations and solutions out together.

Their experience throughout diverse fields makes the ebox founders a fitting combination for the mission they've set out to accomplish. With strong support from their community and their roots within the DuckDAO investor group since before day one, they give faith in realistically achieving the goals that ebox is aiming for.

Lukas Schiefer

As a genuine crypto enthusiast and believer since before the beginning of Ethereum-powered ICO mania, Lukas Schiefer knows his way around the blockchain. There are few things that he hasn't seen, and he distills his experience into the ideas & concepts that power the vision of project ebox.

Lukas Pratschner

Coming from a corporate-institutional background with years of experience teaching scientifically in the field of chemistry, among other similar occupations, Lukas Pratschner is the one to fuse all of ebox together with his structured ways of thinking and working. He dove into crypto around the same time Lukas Schiefer did, and has been trading, investing and researching together with him ever since.
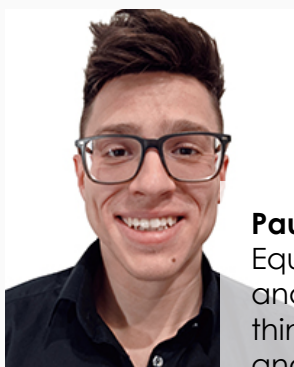
Paul Simode

Equipped with an arsenal of technological knowledge and a particular, sometimes peculiar way of looking at things, Paul Simode carves the engine that drives ebox, and brings the creative spark to light it all up. Paired with his experience in computer development of almost 20 years, he enriches ebox with a spirit of solid innovation.

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links & contracts

ebox

Main

Website	ebox.io
Telegram Channel	t.me/ebox_official
Telegram Announcements	t.me/ebox_announcements
Mail - General inquiries	hello@ebox.io
Mail - Business inquiries	office@ebox.io

Social

Twitter	twitter.com/ebox_official
Medium	ebox-official.medium.com
Reddit	reddit.com/user/ethbox_official
YouTube	youtube.com/channel/@eboxofficial4911
Facebook	facebook.com/ebox.io
Instagram	instagram.com/ethbox_official
LinkedIn	linkedin.com/company/ebox-official
GitHub	github.com/ebox-official

Crypto

CoinGecko	coingecko.com/en/coins/ebox
CoinMarketCap	coinmarketcap.com/currencies/ebox
Cryptorank	cryptorank.io/price/ethbox
Dappradar	dappradar.com/multichain/defi/ebox

ebox Token (EBOX) contract address

Ethereum	0x33840024177A7DacA3468912363BeD8b425015c5
Binance Smart Chain	0x33840024177A7DacA3468912363BeD8b425015c5
Polygon	0xb41c43faBD22A6C6ea135e975769e9051f9ee8ad

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