Dapp Desk
A Decentralized Application Aggregator and Review Solution
Lite Paper, v1.0
6/06/2021

Footnote:
Dapp Desk is currently in very early stages of development. This litepaper will evolve and expand over time. A historical record will be available to document significant changes.

Summary:

In a growing world of applications leveraging blockchains as storage solutions there is no clear hub or aggregator. A place where an end user can go to explore, learn, and connect with this emerging class of applications. In the traditional world of Web2.0 and Desktop/Mobile Applications, App Stores and review websites play a major role when influencing the decision of an end user to use a product. Dapp Desk aims to solve this problem for the emerging class of Decentralized Applications. Furthermore, applications using a blockchain for persistence allows us to verify interactions before allowing a review from a user of Dapp Desk. A review from a user having moved hundreds of thousands of dollars through a borrow lending protocol, or spent thousands of dollars on in-game assets will have more weight behind it than a user who may have never even used the service in-question. We are also able to show the user granular details of their relationship with differing applications while giving them the permission to modify those interactions via Dapp Desk or leading them to the application where they can modify them directly.

Dapp Desk's current focus is decentralized applications leveraging the Solana Blockchain as their storage solution. However, we will eventually be expanding to other L1s. In all, our goal is to become the Decentralized Application Home Store/Hub where users first go to see and manage their current interactions alongside deciding what they want to interact with next.

Lack of Trust/Source of Truth

There exists a problem in the current world of emerging decentralized applications where newer end users have a hard time deciding what Dapp to interact with. Furthermore, an overarching theme is that users "vet" the applications themselves. Whether this be via spending time in a community chat room, checking for audit reports, browsing social media for user sentiment or even go audit the code themselves. Although all of these practices are recommended before interacting with a decentralized application it is unrealistic that we would expect all average end users to do all of this in a flourishing Web3 world; hence the need for aggregators.

A key aspect of what Dapp Desk brings is handling all of these concerns for the end user, containing them to a single data point alongside community sentiment, and then showing that information alongside all other offers. We want to abstract the task of searching for a source of truth and become the trusted entity for users looking to explore the world of decentralized

applications. However, it's important to note, we only plan on being the application aggregator and information broker for existing users and data. All information displayed from us will be publicly accessible and verifiable. Moreover, all information gathered through us, with regards to decentralized applications will be publicly accessible and verifiable not only through our front end.

Dapp Desk:

Dapp Explorer:
DApp Desk will provide a decentralized Application Explorer. This Explorer will show dapps available to the End User and provide useful information about the dapp in question such as, the type of application services provided (Yield Aggregator, DEX, NFT Platform, Game, etc.), key features of the application, audit reports, a link to the application and verified user submitted reviews. This explorer will provide various search and filter tools to assist the user with finding what they are looking for. We will be expanding on this section with more technical details in our next litepaper update.

Connected Dapps:
After an end user connects their wallet to DApp Desk they will be able to see the decentralized applications they are currently interacting with. Moreover, we plan on showing the nature of those interactions alongside any permissions that a user may want to modify or review. We will be expanding on this section with more technical details in our next litepaper update.

Review System:
A key part of what we're building is the ability for users who have interacted with certain Dapps to leave reviews and recommendations for the rest of the community. Review systems are key when looking at an array of products or services. We see them utilized by online retailers alongside entire review sites for existing brick and mortar establishments. When a new user is deciding how they want to spend their time interacting with a decentralized ecosystem we want the input of community members to be available front and center, this will help direct new users to favourable apps with a long standing reputation. Issues that traditional review systems have are bots alongside fake reviews. We aim to curb these problems via PKI, establishing user interaction with a service before allowing a review to be placed. Moreover, we want user reviews to be transparent; hence our intention to leverage Solana as a backend for persistence of these reviews. The details of how this system will work will be released in an updated litepaper before we go to production.

Address Tool:
Although a primary goal of Dapp Desk is to abstract the complexity of what Dapps do under the hood away from the end user, we understand there are users out there who may want some more detail, or a sneak peek as to what's going on with an Address. This is why we'll also be providing an Address Tool for users to quickly explore Solana

Addresses and their associated data alongside historical price metrics. As the infrastructure surrounding Solana is built out we'll be able to provide a more detailed look at price action over time which will help users get a quick historical snapshot of price action surrounding a Solana Address. In its current form the Address Tool will only show Tokens associated with an Account and their related data. We'll go into more detail on the price explorer side of the address tool in an updated lite-paper once it's released!

Incentives:

Incentives are a powerful tool. They're used in all types of industry to promote user interaction. However, incentives should not only be looked at as a tool of promoting user interaction, they can also be a way of rewarding the user for time spent. A great industry example to look at would be the Brave Browser and their BAT token. The Brave Brower rewards the user for viewing advertisements via the BAT token, essentially paying them for their time. This is a powerful concept, time is limited and a service rewarding users for time spent will only encourage more use. We want to reward users for providing reviews on Dapps listed on Dapp Desk. Moreover, we want there to be a reason a reviewer on Dapp Desk would want to hold on to those rewards, because they have meaning.

Nothing has been decided in terms of rewards and how incentives will work, they will most be implemented sometime after our first Production Release. This section will be updated to cover Dapp Desk incentives and how they work once that happens.

Conclusion:

Dapp Desk Aims to be the App Store of choice for decentralized applications living on a blockchain. We plan on doing so by creating a community of users incentivised to share their experiences and help others discover new and exciting ways to spend their time. We'll provide a home portal for users to understand their data, an aggregator for new users to explore the world of DApps, and put the tools to explore addresses into user hands. Dapp Desk hopes to be your home desk for dealing with your Dapps. We're still early in development so be sure to check back for updates.