Verse Network by STP

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1 Introduction

Decentralized Autonomous Organizations "DAOs" are an organization of culture, community or workplace where the main set of rules and actions is hard-coded into smart contracts. Unlike traditional aggregations, where the choices of the few affect the outcomes of the many, in a DAO everyone can participate in the governance of the system. In Q4 of 2021, the total value locked (TVL) in DAO treasuries has increased by 90% since the beginning of October to $15.2bn and the number of treasuries valued at $1mm or more has increased almost 400%. DAO membership has also increased by 133% since August, with more than 1.6mm users across 164 entities. DAOs bring together all the great aspects available within Web3 and will further build upon them as more time and effort is spent building them out in the upcoming years.[1]

However, DAOs cannot reach their potential with the current state of layer 1 "L1" blockchains like Ethereum. To highlight a few striking issues, the unsustainable gas costs and slow transaction speed create friction for dApps leading to an inefficient, centralized and unscalable ecosystem that cannot support fast-innovating DAO concepts and activities. Currently, almost all DAO activity has limited functionality beyond voting and also lacks additional features besides governance. The current infrastructure for DAOs hinders user adoption, lacks incentives, and falls short of educating and converting market potential. Nevertheless, the stage has been set for greater adoption and support in the DAO concept.

While many solutions exist for curbing these expensive gas fees, **STP has launched Verse Network, a full suite of native tools and infrastructures facilitating efficient decentralized decision-making for users, communities and organizations.** Verse Network will make DAOs more accessible to the masses, and remove many barriers to entry, such as high gas fees, complicated user experiences and complex methods of voting and governance.

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[1]Source: The Defiant - "TVL in DAOs Almost Doubles to $15B in Q4 Surge", by Samuel Haig. As of 12/03/2021

2   The Verse Network Blockchain

Powered by Ankr BNB Chain-Application-Sidechain (BAS) framework, Verse Network's chain is built with flexible, convenient, and easy-to-use multi-modular blockchain architecture. The core modules for this purpose include Parlia Consensus Engine, Pool Staking, Governance, Dynamic Runtime Upgrades, and Reward Management, and these modules will be built with System Smart Contract and Ethereum Virtual Machine (EVM) machines. Verse solves the virtual machine security issues by fully trusting the EVM of the official Go-Ethereum codebase. EVM, which has been audited thousands of times, is widely used in blockchain networks.
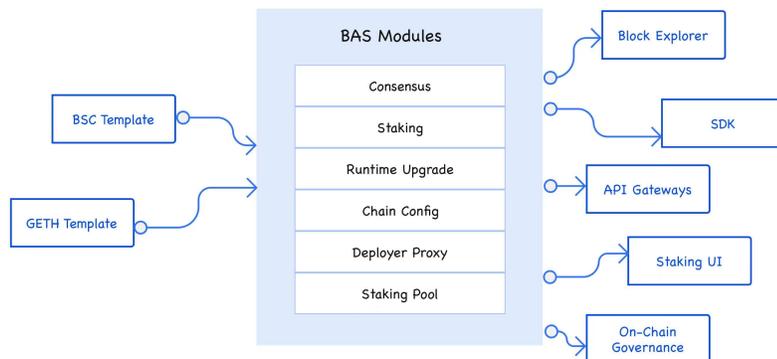
3   Verse Network Blockchain Architecture

BAS has many advantages for the development of Verse Network's chain, enabling users and project teams to create and manage DAOs on the platform seamlessly.

Stability - Through a scalable sidechain solution, BAS provides high throughput including over 5,000 TPS, ultra-low gas fee, and full EVM compatibility, which is important for any large-scale platform applications including Clique to create disruptive governance experience on the blockchain.

Scalability and Customizability– The blockchain can be built with huge flexibility of validator set, tokenomic design, and network configurations, which enables more scalability on the product for users.

Security– BAS uses the BNB Smart Chain codebase and fully trust EVM (Ethereum Virtual Machine) from the official Go-Ethereum codebase. Everything that goes on BAS is controlled by the governance model: from the blockchain consensus, change proposals and staking.

4 Verse Network Token (STPT)

STPT serves as the governance token for Verse Network and its broader DAO ecosystem. STPT is also the main medium of exchange for Verse serving the function of fees and incentives for the network. All transactions on Verse require STPT as gas and the tokens will be carried over from the STP Network for this intended usage.

5 Ecosystem Optimized for DAOs

The Verse ecosystem facilitates DAO activity from inception to maturity. To further enhance the functionality and utility of DAOs, Verse supports customized DAO tooling along with DAO-focused dApps in its ecosystem. There is an initial lineup of dApps that will provide full service tooling for DAOs and all their stakeholders. The first dApps are no-code and user-friendly and will immediately be able to service existing DAOs along with newly created DAOs and their communities.

The types of dApps and tools supported by Verse include:

- DAO builder dApps that allow organizations to create and manage their customized DAOs seamlessly

- DAO participation dApps that expand the ability and incentives for members to participate in DAOs in a frictionless way across platforms

- DAO reputation dApps that score credibility and reputation on past activity like voting

- DAO market data tools that provide DAO-related data to all types of users in an actionable and analytical way

- Future categories and tools to come including data & analytics, treasury management and tailored customization of DAO structures

6 Conclusion

Verse Network is an all-encompassing solution for any community, organization, company and collective to decentralize its decision-making effectively. DAOs on the Ethereum blockchain tend to have limited activity opportunities beyond just voting.DAO developers can tailor their governance structure to fit their needs and community. DAO participants will have a seamless experience buoyed by a comprehensive ecosystem of DAO tooling and infrastructure. Verse Network will allow DAOs to expand their activities beyond voting while incentivizing participation and engagement at low cost.