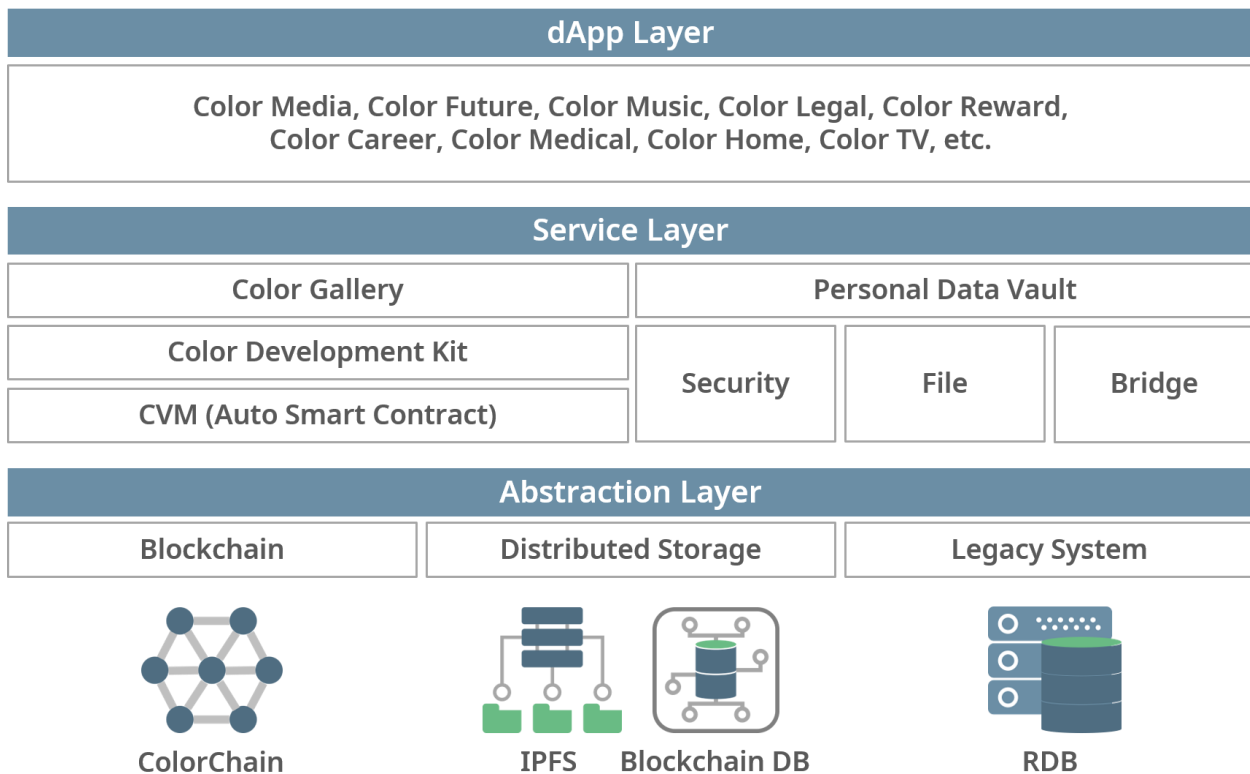


Color Platform

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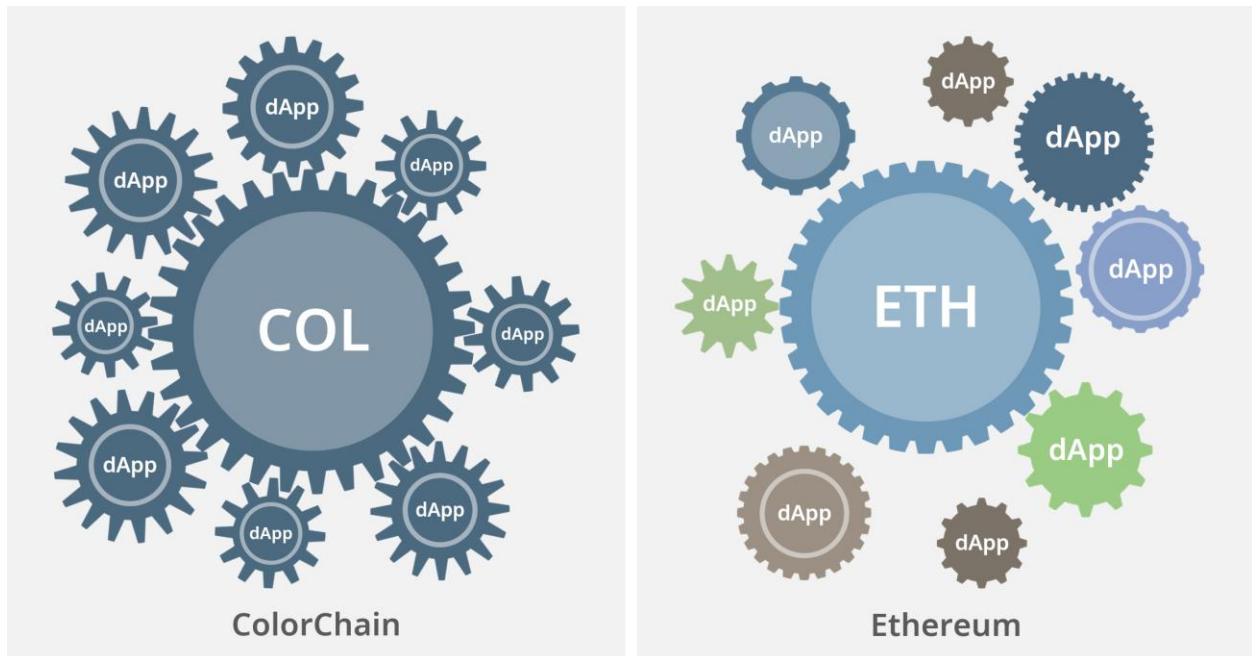
This document was subsidiary written only to help participants to understand the Color Platform and CANNOT be used to make decisions to participate in TGE.

1. What is “Color”?



The Color Platform is a 3rd generation blockchain platform that focuses on developing dApps. The goal of the color team is to create a world where both developers and non-developers can easily develop and use dApps in their daily lives. To this end, the Color Team provides Color Development Kit (CDK) that greatly simplifies dApp development. We have also built Colorchain which utilizes PUF(Physical Unclonable Function) chips to enable true P2P transactions. Last but not least, the Pixel Program was adopted to foster the growth of the gift giving economy. Furthermore, why not make a world where many everyday services are available with COL? Think Color!

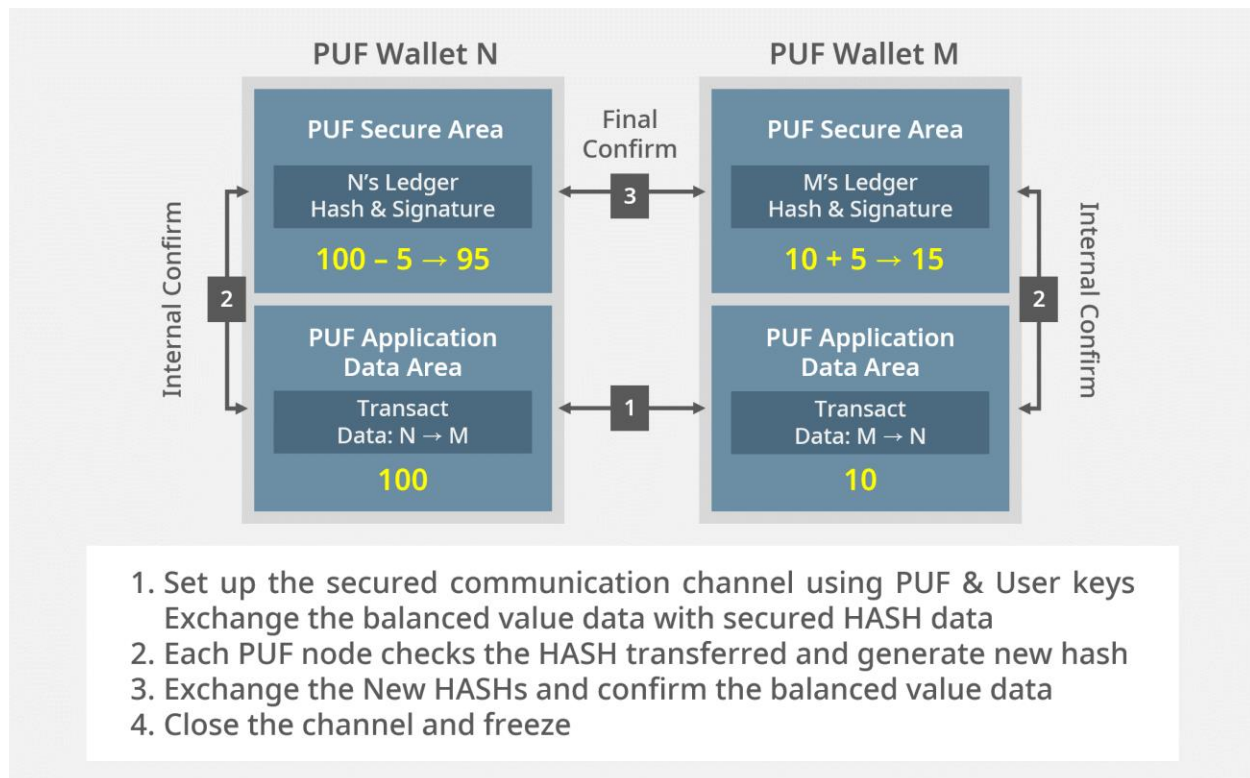
2. Colorful dApp Store



The Color Platform's, "Colorful dApp Store" isn't just a slogan. The Color Team plans to create an ecosystem in which we provide a plethora of "mega dApps", including Color Legal, Color Medical, and Color TV, which are powered by the Color Coin(COL). Color's unique competitive advantage over existing blockchain architecture lie in being able to utilize everyday services with a single currency in real-time without the scalability issues of existing blockchain architecture.

The Color Team does more than just create its own mega dApps. To help developers, non-developers, and ordinary people enjoy a variety of services on the Color Platform, Color provides a breakthrough development tool called, "the Color Development Kit (CDK)". CDK reduces development costs by enabling dApp development and smart contract without complex programming.

3. Colorchain Consensus : “PUF Chip”

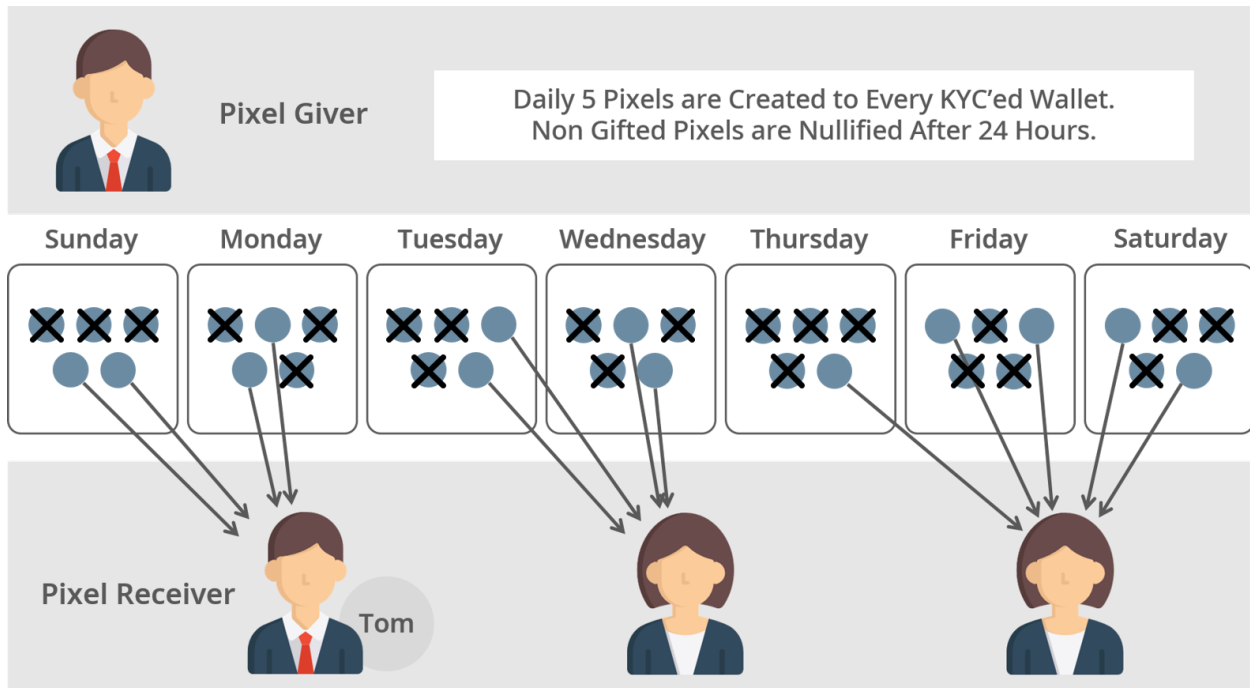


1. Set up the secured communication channel using PUF & User keys
Exchange the balanced value data with secured HASH data
2. Each PUF node checks the HASH transferred and generate new hash
3. Exchange the New HASHs and confirm the balanced value data
4. Close the channel and freeze

Color aims to achieve the mass adoption beyond the blockchain community. The Color Platform utilizes Colorchain, a hybrid software/hardware blockchain that enables lightning-fast decentralized computing. Traditional blockchains have been characterized by slow transaction speeds and poor scalability. The Color Team solved these chronic problems with the advent of the PUF chip. PUF chips have their own unique digital fingerprints that occur during the manufacturing process of semiconductors, and thus can function as a cryptographic identification mechanism capable of signing transactions directly with the other party. As a result, Colorchain does not require mining nor third-party verification during the transaction, enabling much faster transaction speeds than even Visa or Mastercard.

Just as there is no need for a third-party to prove every time you hand cash to another person, a PUF chip helps simplify transactions. In the case of transactions between PUF chip users, the transaction does not need to be recorded in the public ledger, which enables true P2P transaction. If one or more of the transaction parties is a non-PUF chip user, then the transaction is required to be verified via the blockchain. Since the bulk of transactions will occur between PUF enabled nodes, the blockchain will be free from clutter and therefore always available when needed.

4. Token Distribution System : Pixel Program



The Color Platform also utilizes the “Pixel Program” to ensure fair distribution of Color Coins and to enable the gift economy. The main disadvantage of the current system is that the gap between the rich and poor is ever-growing. It was a structure in which early prospectors and people with large amounts of coins took larger wealth. To solve this, The Pixel Program of Color was created based on the concept of a Seed Program validated by MyCreditChain.

In the Pixel Program, five pixels are provided every 24 hours to the individuals who have been KYC verified, and the pixels must be transferred to another wallet within 24 hours to be redeemed as Color Coin. The Pixel Program prevents the unfair distribution of wealth, not only for individuals, but also for charities, non-profits, and startups. While the core distribution of pixels is organic, the Color Team is planning to develop various dApps to accelerate the distribution of pixels.

5. Roadmap

Milestone 1: Color Platform MVP (October 2018)

- Base Color Platform with Service Layer and Colorchain Consensus(Beta)
- Test Network for Partners on Hyperledger and Ethereum
- MVP PUF(Physical Unclonable Function) Chip Utilization in Colorchain
- Prototype Hardware Wallet
- Basic Software Wallet

Milestone 2: Color Platform 1.0 with Color Virtual Machine (April 2019)

- Color Platform 1.0(with Colorchain Test Network)
- CVM(Color Virtual Machine) and Single Language for Chaincode
- Service Aggregator(Colorful dApp Store)

Milestone 3: Development Environment for dApps (December 2019)

- Color Platform 2.0(with Colorchain Main Network)
- dApp Development Environment
- Colorchain Development Environment
- Documents and Tutorials
- Debugging, Simulation, and Testing Facilities
- Advanced Color Wallets(with Personal Data Vault)

Milestone 4: Verification and Validation Toolkit (December 2020)

- Static and Dynamic Analysis of Chaincode
- Colorchain Composer with Templates

6. References

Website : www.colors.org

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