What Change Can Matic Developers Make While Working On Blockchain.

Don't we love being free and owning our own things without getting intervene at every step. We had seen monarchy in our lives from history to present living time. Examples we can see from particular dynasty to our government. After giving a touch of history I would give you real example you use daily, is that saving our assets in Bank. We have our accounts in bank, Bank provide us with not just only saving our money but also withdrawing when needed, instalments, transactions. We do see bank as third party which takes maintenance cost and securing data integrity charges all required for your account. The step is involved within centralization. The next revolution not only in your assets further in the services and manufacturing economy of the future is development of automation, One should be free from non-distributed applications. Implies that **Blockchain Technology** is an integral part of next promising smart opening of new world of automation services and manufacturing process.

Bookish definition tells us what blockchain is "Blockchain is a distributed and public ledger which maintains records of all transactions." Blockchain network is truly peer-to-peer network and it does not require a trusted central authority. There are many platforms trying to implement solutions in Blockchain Technology. There are lots of companies but most Blockchain developers in daily projects love to work on Ethereum platform. Developers required to fulfil their requirements like Truffle framework, web3, JavaScript, Solidity, Ganache, Metamask (Web-wallet) as basic tools. DApps comparatively have seen massive attention other than use cases in BlockTech. But there are most projects which take a lot time to complete. Many of the upcoming solutions explains their own blockchains neglecting the network effects DApps and other projects have already generated on platforms like Ethereum and others. Even more importantly they neglect the massive developer community and developer ecosystem that exists for platforms like Ethereum.

What Problems Faced By Blockchain Developers With Increased Demand Of BlockTech

Decentralized Apps are making vast demand day-to-day but what we are using till now can not be said to be able to handle such a huge demand with such a great scale. Problem one faces is consensus algorithm implementation, How one need confirmations without disturbing freedom of user and not making it just named distributed and more focused on centralization. Block size limitations and computations in smart contract based blockchains need to be solved before we target mass adoption by mainstream users. High fees charge of gas should not be demand required in blockchain then what will be difference in older and newer revolution. And most importantly, it needs awesome user experience.

Matic Network is a Layer 2 scaling solution that achieves scale by utilizing sidechains for off chain computation while ensuring asset security using the Plasma framework and a decentralized network of Proof-of-Stake (PoS) validators.

Matic struggles to solve the scalability and usability issues while not compromising on decentralization and leveraging the existing developer community and ecosystem. Matic Network is an off/side chain scaling solution for existing platforms to provide scalability and superior user experience to DApps/user functionalities.

Matic Network solves the low transaction throughput problem by using a Block Producer layer to produce the blocks. Block Producers enable the system to produce blocks at a very fast rate. The system ensures decentralization using PoS checkpoints which are pushed to the Ethereum mainchain which enables Matic to theoretically achieve 2^{16} transactions on a single side chain.

In addition, we are developing a suite of developer tools such as the real-time notification engine for Ethereum events — Dagger and a scalable, modular and realtime Ethereum data processor — Hermione. Apart from this, the Matic team actively contributes to the WalletConnect protocol implementation.

Matic Features

- Scalability
- High Throughput
- User Experience
- Security
- Public Sidechains
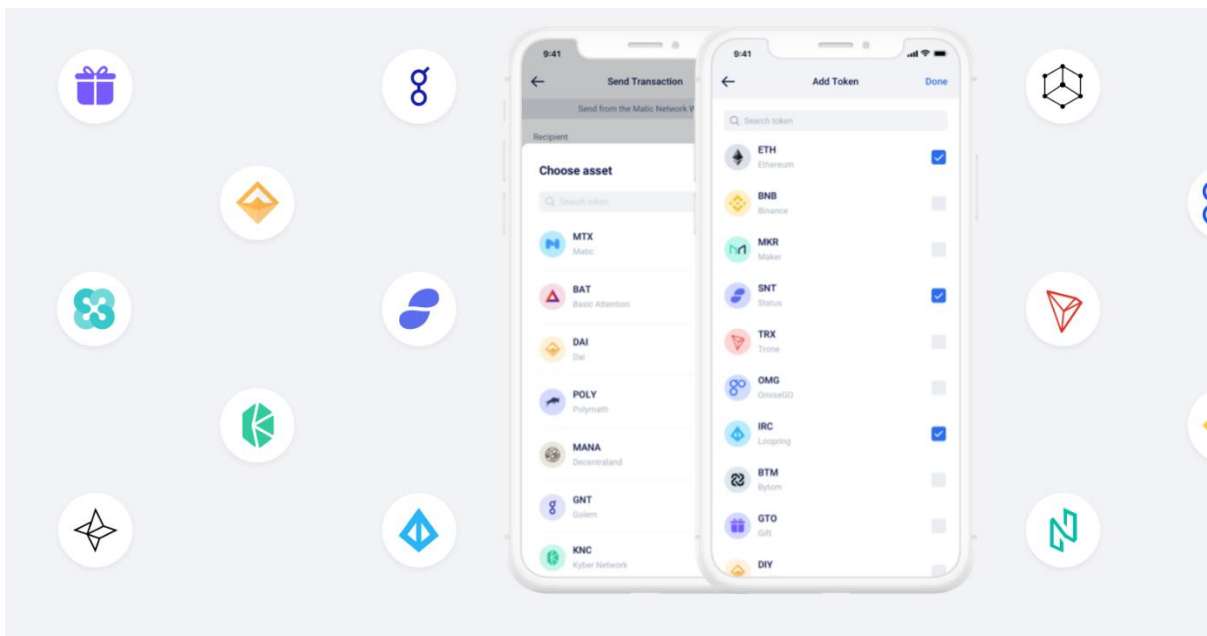
<div align="center">**Matic Developers Tools**</div>

Matic Development Team act on the simple statement making simple and seamless. For that, the team will provide new infrastructure around the Matic Network including user-friendly wallets for individual users and merchants, payroll dashboards, payment SDKs and other open source tools.

Matic SDK

Matic SDK provides user to interact with components of Matic network like Matic's wallet, block explorer and dagger. Team is working with validator monitoring and network monitoring tools to make network more compatible and stronger which can self survive attacks more efficiently.

Matic Wallet

The Matic development team has built an easy-to-use Plasma wallet mobile app, integrated with WalletConnect, to keep security of stored of keys, intuitive access to the features provided by the Matic Network, as well as a seamless mechanism to connect browser-based DApps to the mobile app. Users can interact with DApps on browsers and in the future many more devices, while still keeping their keys secure in their mobile wallet.

The Matic wallet will act as a ready tool for DApp developers to get their users onboard and working with Matic sidechains quickly and efficiently.
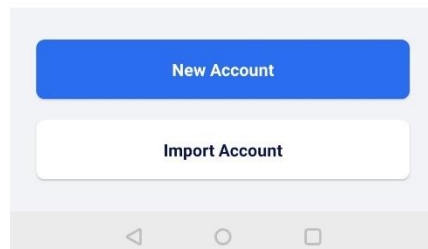
Matic Wallet Features:-

- Easy to use : Helps you to manage all your tokens in one place. Easy transfer of taken place due to it's design.

- WalletConnect Integration: It allows Developers to interact with their developed projects using QR code scanner using WalletConnect. WalletConnect define as open protocol for connecting Dapps to mobile wallets using end-to-end encryption. It does keep an eye better than Metamask. Interact with any Dapp without risking your security.
- Trustless and Secure: We keep your integrity and confidentiality of private keys.
- Supports Matic Network: Wallet manages and transfer tokens on Matic Sidechains just as Metamask does with developer friendly environment.

Transfer Ethereum Assets

Deposit funds from Ethereum to Matic and make quicker transactions with negligible fees.
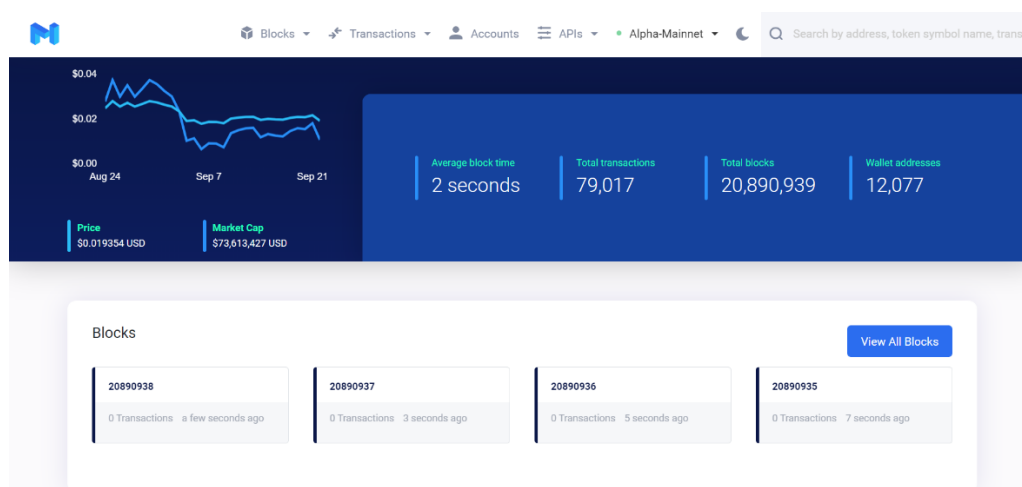
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New Account

Import Account

Matic Dagger

Dagger is a tool or engine to track Ethereum accounts and events in real-time. Users can get notifications on any event recently streamed. Getting information regarding what you are upto in building your project is what Dagger does. Providing reliable events. One can avoid risk and complexity of polling for events, and dedicate in building what really matters: with added features of UX and making better products.

Dagger is fast and robust instead of polling when a new block gets mined it uses push mechanism. Built on "MQTT" protocol standard. You can develop your own client easily. Uses multiple rooms for displaying events as : latest and one which are confirmed.

Matic Block Explorer

Upcoming Tools

Validator Monitoring

Matic development team provides a friendly environment to examine each and every step of what they are stepping into. This tool enables easily to evaluate node status and staking rewards.

Network Monitoring Tools

Team exploring advanced analytics on the network data.