Fast, Secure and Encrypted

A White Paper
v.2.00.00
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HASHBIT BLOCKCHAIN [HBIT]

Contents

1. Introduction

HashBit Blockchain (HBIT) is a EVM compatible Blockchain, extremely light, fast and simple for any type of integration, be it applications, games, online stores but above all we are working to make it perfect for everyday use, allowing everyone to day to be able to use it quickly and easily, when buying in a store or a simple transfer of coins between two users via their smartphone.

HBIT is used through a normal browser, using all available tools, simplicity must be the basis for easy mass use, speed for practically instant transactions and the safety of each user is our priority.

2. Problem Statement v/s Proposed Solution

Problem	Solution
Consumption of Resources	HBIT is "Green" it does not require any type of mining hardware, the POA requires verified and secure validators to create new blocks and confirm transactions, this allows for uncompromised monitoring and security.
Transaction Speed	With 100,000+ TPS it is among the fastest blockchains currently in circulation, and with transaction costs of around $0.000001 it is perhaps the least expensive on the market.
Easy to use	The evm and RPC compatibility allows you to use the HBIT Blockchain with Metamask, all wallets out there by simply adding the HBIT network, nothing could be easier to use.

3. Product Overview

HBIT is **Built for mission-critical use**: Miners, service providers, and exchanges need fast synchronisation and maximum uptime. HBIT provides the core infrastructure essential for speedy and reliable services.

- Clean, modular codebase for easy customisation
- Advanced CLI-based client
- Minimal memory and storage footprint
- Synchronise in hours, not days with Warp Sync
- Modular for light integration into your service or product

Technical Overview

HBIT goal is to be the fastest, lightest, and most secure HBIT client. We are developing HBIT using the cutting-edge **Rust programming language**. HBIT is licensed under the GPLv3 and can be used for all your HBIT needs.

By default, HBIT runs a JSON-RPC HTTP server on port :3545 and a Web-Sockets server on port :3546. This is fully configurable and supports a number of APIs.

4. Proof of Authority

HBIT supports a Proof-of-Authority consensus engine to be used with EVM based chains. Proof-of-Authority is a replacement for Proof-of-Work, which can be used for private chain setups.

It does not depend on nodes solving arbitrarily difficult mathematical problems, but instead uses a set of "authorities" - nodes that are explicitly allowed to create new blocks and secure the blockchain. The chain has to be signed off by the majority of authorities, in which case it becomes a part of the permanent record. This makes it easier to maintain a chain and keep the block issuers accountable.

For consortium setting there are no disadvantages of PoA network as compared to PoW. It is more secure (since an attacker with unwanted connection or hacked authority can not overwhelm a network potentially reverting all transactions), less computationally intensive (mining with difficulty which provides security requires lots of computation), more performant (Aura consensus provides lower transaction acceptance latency) and more predictable (blocks are issued at steady time intervals). PoA deployments are used by the enterprise and by the public.

5. *Coins*

The total supply of HBIT is 50 billion coins, divisible to 18 decimal places.
All tokens were issued with the creation of the *genesis block* (the first block in the HBIT blockchain).

6. *HBIT.BEP20 Token (Binance Smart Chain)*

Description

On October 26, 2022, we launched the BEP20 token on Binance Smart Chain, with a Public sale.
We distributed the remainder of the HBIT amount to the investors who participated.
What are the main features of our HBIT.BEP20?

Contract: 0xEda3866f07566d9379a91A07F8D62e19C03183e0
BSC Scan page:
https://bscscan.com/token/0xEda3866f07566d9379a91A07F8D62e19C03183e0
Notes: Blue Mark, sign of guarantee and legitimacy

Functionality:

Sending and Receiving HBIT.BEP20 through the Binance SmartChain, it means that it is possible to exchange it through Metamask, TrustWallet and all existing wallets that support the BSC.

You can buy HBIT BEP20 from PancakeSwap in a totally decentralized way here:
https://pancakeswap.finance/swap?
outputCurrency=0xEda3866f07566d9379a91A07F8D62e19C03183e0

Or on different Exchanges, the complete list can be found on the official website.

7. *HBIT.HBC20 Smart Chain*

Functionality:
Blocks every 5 seconds
Up to 100,000 Transactions per Second
Smart Contracts
Support for Dapps
Compatible with Metamask Ledger and all wallets that support evm Blockchains.

Data for Addition on Metamask and other Wallets:
Chain ID: 11119
Name: HashBit Mainnet
RPC (Asia zone): https://mainnet-rpc.hashbit.org/
RPC (Europe zone): https://rpc.hashbit.org/
Symbol: HBIT
Explorer: https://explorer.hashbit.org/

Documentation: https://docs.hashbit.org/

Developers will be able to easily build new projects, Dapps and services on the Blockchain quickly and easily.

Fees:
Each transaction on the HBIT.HBC20 Blockchain costs around 0.000021 HBIT the smart Contracts a little more, in the documentation there are all the costs depending on the type of transaction.

Projects:
HashBitPAD - An Official Platform where it will be possible to:
Exchange projects by creating Pools and adding Liquidity in a totally decentralized way.
Launch your own projects via the LanchPad and raise funds, as well as distribute your Tokens to investors.

NFT, Creation and Marketplace, where everyone will be able to create and sell, or buy NFT collections created on the Blockchain.

Browser Wallet - A browser-based wallet, where each user can manage their HBITs and Tokens in one place.

Token Creation Tool - Basic tool to create your own Token on the Blockchain

Mobile Wallet - To manage your coins from a smartphone app

Staking - To stake your HBIT and earn APY % on it

IDO Launchpad – Launch your project on the Blockchain with a Sale.

Locker – Lock token or LP for a specified time

More to come, and we're sure many developers will start building applications on the HBC20 Blockchain.

The full available Dapps and tool list can be found on Official Website.

Conclusions

Official Website: **https://hashbit.org** is where you can find all the information, links and the ever growing HBIT community.
It is your starting point and where you can stay up to date on all ongoing developments.
HBIT wants to be a secure Blockchain for daily use and mass adoption, not just a simple asset to buy and sell.
To stay up to date, we recommend joining our Telegram group here: https://t.me/hashbitofficial/
and following us on Twitter here: https://twitter.com/hashbitorg
These are the main social networks where you will find support and new news in advance, as well as direct support from the Community and the HBIT Team.

Many new features will be added over time and this WhitePaper will be updated accordingly. The team is working to make them available as quickly as possible.

Thank you for your support and welcome to the HBIT Blockchain.