whiteblock

The Scalable Blockchain Testing Platform

Whiteblock is a full-stack blockchain testing platform that helps development teams quickly test & deploy high-performing distributed ledger technologies.

Introduction

Whiteblock helps development teams **accelerate their time-to-market and validate system performance**. Our testing platform allows users to provision multiple fully-functioning nodes (>1000) in a controllable and private test network. Transactions can be automated as nodes interact in real-time, allowing testers to observe the performance of protocols, algorithms, decentralized applications, or changes to system infrastructure prior to deployment.

Services

Genesis (SaaS)

Whiteblock's testing platform provides a reliable and cost-efficient method of validating the performance and scalability of blockchain systems and applications. Give your development team the power to build large scale test networks in minutes. Whiteblock Genesis helps to reduce overhead, save time, and build high-performing solutions with ease.

Whiteblock Core Services (BTaaS)

Leverage the expertise of the Whiteblock team with our Blockchain Testing-as-a-Service offering. We'll set up your test network, develop the necessary libraries for your client, and run the tests for you. The world's leading blockchain projects rely on Whiteblock Core Services to drive deep actionable insights into the abilities of their system.

Use Cases

Scalability
Test and identify the limits and functionality of blockchain systems, protocol, algorithms, or decentralized applications in a controlled and automated environment.

Security & Resilience
Derisk operations before it's too late and test system resilance against vulnerabilities like the 51% attack, DDoS, and other scenarios that could result in the critical failure of a blockchain project.

Continuous Integration
Automatically test and validate changes to your existing codebase before going live and catch any issues before they hit the main net. Test twice, deploy once, and rest assured.

Reporting
In addition to the raw performance data, all BTaaS projects are summarized in a full academic report that provides an overview and outline for the capabilities of your system. Additional marketing materials may also be provided and the public release of these assets is determined at your sole discretion.
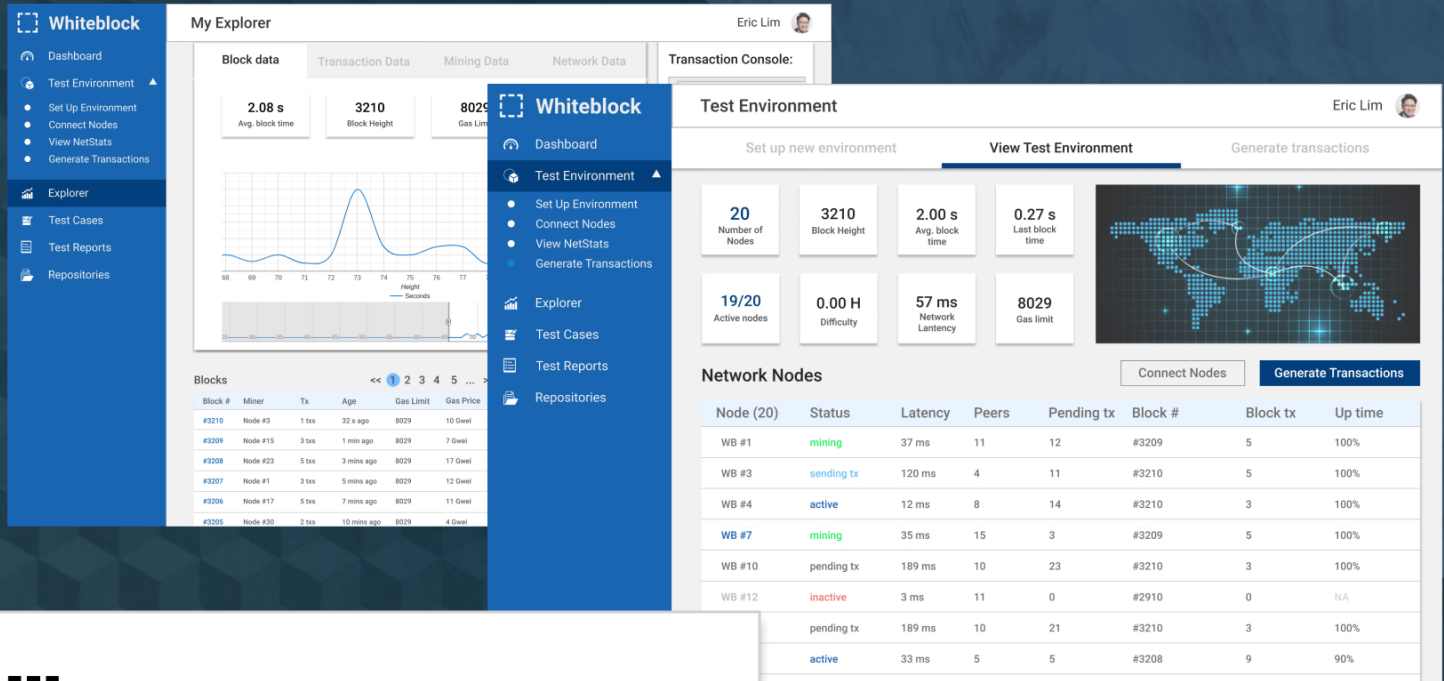
Clients & Partners

CONSENSYS

ENTERPRISE ETHEREUM ALLIANCE

Syscoin

BLOCKCHAIN FOUNDRY

THE LINUX FOUNDATION

ethereum foundation

HYPERLEDGER

Supported Platforms

ethereum

NEO

bitcoin

nem

MONERO

EOS

> We're really happy with the test results. We now know our scalability changes will work in practice and not just in theory. These results are going to shape our future development efforts and make it easier to demonstrate these changes to the community."

Alex Sterk , CEO of Ubiq Technologies

Build your own scalable test network in minutes with Genesis

Platform Overview

- Blockchain agnostic.
- Simulate live, global network with data & statistics in real-time.
- Provision and configure hundreds of nodes.
- Test fault tolerance.
- Configure latency, packet loss, & bandwidth.
- Randomize or configure transactions size, frequency, & rate.
- Private, integrated development environment.

Network Specs

Bandwith Capabilities: Up To 100Gb/s

Maximum Nodes: >20,000

Maximum Latency: 20S | 20,000 MS

Packet Loss: Random, Periodic, Burst, BER, Gilbert-Elliot

Time Accuracy: Within .01 Milliseconds

Reporting

Our blockchain testing services include detailed test reports. These reports provide an overview of your system's capabilities for your users from a neutral third-party. The clients can decide to keep their test results confidential or promote the report to the wider market.

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Visit **www.whiteblock.io** and start scaling your blockchain today!