



# whiteblock

## THE SCALABLE BLOCKCHAIN TESTING PLATFORM

**Whiteblock is a blockchain performance testing company.** Our product and service offerings help development teams accelerate their time-to-market and validate system performance.

The Whiteblock testing platform allows users to provision multiple fully-functioning nodes in a private testing environment where they have complete control. 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.

The links between nodes can also be configured to mimic the behavior and conditions of a live and dynamic global network in order to deterministically validate performance with unrivaled precision.

Deploy with ease using the Whiteblock platform.

### Products & Services



#### Infrastructure As A Service

Run your own tests in a private, isolated environment that you can completely control and configure to your liking. Provide us with your project's specifications and we'll build out a custom infrastructure to meet your needs.



#### Testing As A Service

Ease your team's development and engineering overhead by putting Whiteblock to work for you. Provide our team of world-class engineers with a scope of work and we'll build out your testnet and run tests for you.

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

# Specifications

BANDWIDTH CAPABILITIES	MAXIMUM NODES
Up To 100 Gbps	>1000
MAXIMUM LATENCY	BACKGROUND TRAFFIC
10000ms	Random, PCAP Replay
PACKET LOSS	
Random, Periodic, Burst, BER, Gilbert-Elliot	

## Use Cases

**Validation** - Objectively prove system performance with a neutral third-party.

**Troubleshooting** - Identify performance issues and bugs in a controlled environment.

**Stress Testing** - Observe system performance under worst-case scenarios.

**Functional Testing** - Observe how a system will perform at scale within a full, robust network.

**Load Testing** - Identify transactional throughput under real-world conditions.

**Due Diligence** - Validate investment opportunities and ensure they can actually deliver.

**Evaluation** - Determine which blockchain is best for the needs of your ICO, dApp, or system.

## Platform Overview

Blockchain Agnostic

Simulate Live, Global Network

Provision Multiple Nodes

Implement Blackout Conditions

Dynamically Add Or Remove Nodes

Test Fault Tolerance

Configure Latency, Packet Loss, & Bandwidth

Randomize or Configure Transactions Size, Frequency, & Rate

View Throughput Statistics In Real-Time

Automate, Randomize, or Control Processes

Private, Isolated Development Environment

No AWS or Cloud Environment Needed

## Reporting

Our services include thorough and detailed reporting for your test series. Provide an overview of your system's capabilities for your users to validate performance claims with a neutral third-party or keep your proprietary results in-house to help your team build the best solution. Whiteblock does not share data with third-parties or the public and results are kept strictly confidential.

**For more information, visit us online at [www.whiteblock.io](http://www.whiteblock.io) or send an email to [hello@whiteblock.io](mailto:hello@whiteblock.io)**