

Given the discussions around quantifying chain performance and hardware upgrades, we are creating a purpose built testnet for this called Velocity. This dedicated testnet will be used to find how the chain performs under different conditions leveraging a special build of Secret that allows deeper insights into performance.

Current Status:

- Build Completion

: The special build of Secret is already completed.

- Bootstrap Node

: The bootstrap node is up and running, so we can add regular validators.

Initial Plan Overview:

1. Node Deployment and Registration

: Setting up and registering multiple validators and api nodes.

1. Contract Deployment

: Deploying various smart contracts to Velocity.

1. Load Testing

: Create or use existing tooling to load test contracts across various different enclave sizes and hardware for comparison.

1. Bottleneck Analysis

: Find hotspots and bottlenecks around performance.

1. Data Presentation

: Organizing and presenting the collected data.

Delta Timeout Test

Delta Timeouts: Discover how the chain performs with different delta timeouts, and verify if it works as expected to make the block time elastic under load and consistent under normal load.

If you have a dApp and would like your contracts included in these performance tests, please reach out to [TheNodeFather](#), [LisalsLoud](#), or [SeanRad](#).