

BlockCom pass Report

Dec 7, 2021

☰ Description

This report presents the results of running the *BlockCompass* workload that performs simple insert action to a Blockchain Network. The observed metrics are resource consumption metrics (CPU, Memory, Network Input and Network Output) and performance metrics (latency, emit rate, throughput and error rate).

1. Summary

#	Minimum	Maximum	Mean	Value
CPU Utilization	0.492	7.592	3.745	2.0
Memory(%)	0.352	1.95	0.414	0.0
Network Input (MB)	1.236	870.6	437.855	5,4
Network Output (MB)	1.076	746.4	437.855	4,8
Users #	0	100	60.833	79
Emit rate (transaction/sec)	33	65	43.342	64
Throughput (transaction/sec)	33	65	43.342	64
Latency (ms)	0	69,619,241.294	15,056.962	58,
Error rate	0	0	0	0

☰ Configuratio n

Platform:
Ethereum

Consensus:
Clique | Proof of Authority

**Number of
Nodes:** 5

DataSize: 2

Receivers
Nodes: miner 1 , miner 2 , miner 3

2. Performance Metrics

Fig2.1. Number Of Users

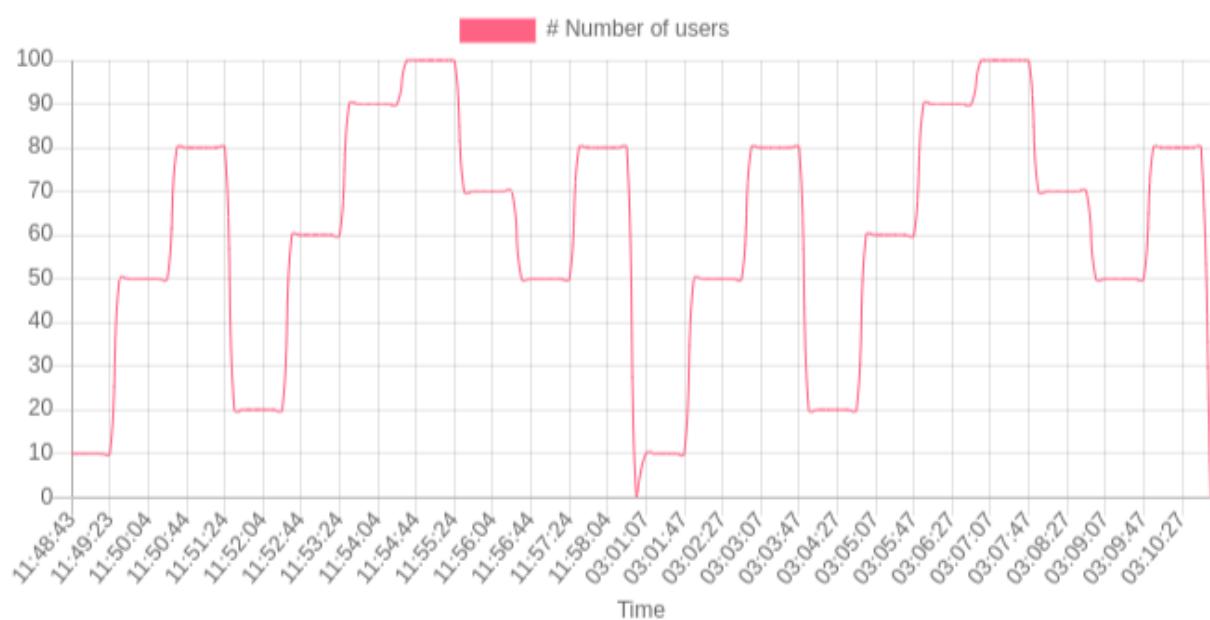
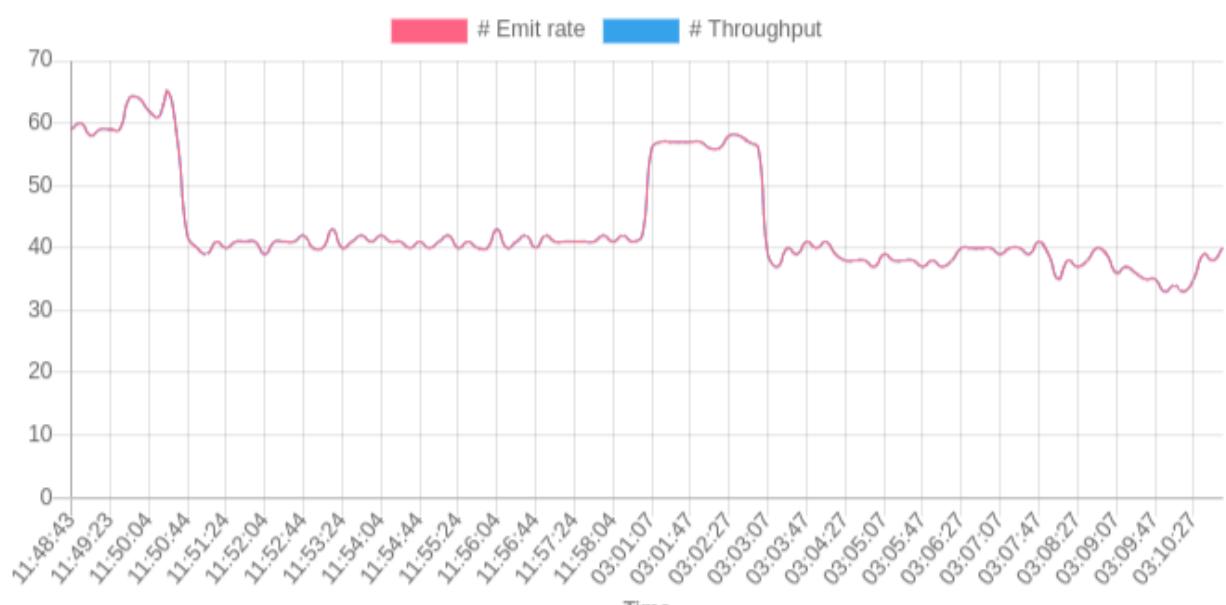


Fig2.2. Number Of Requests



Time

Fig2.3. Latency

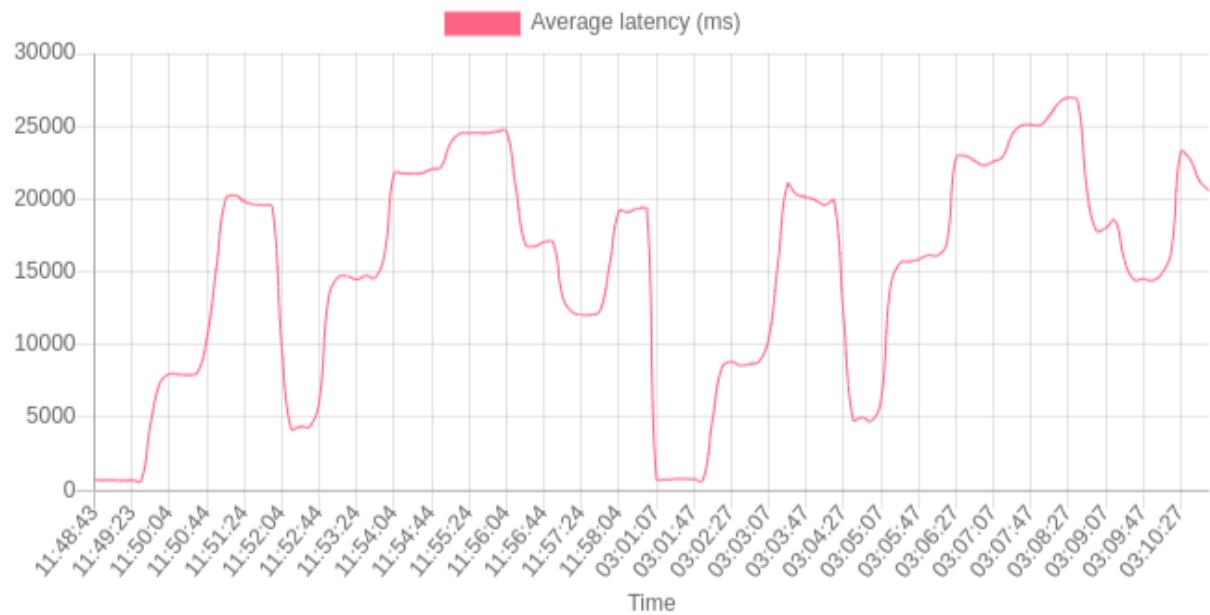
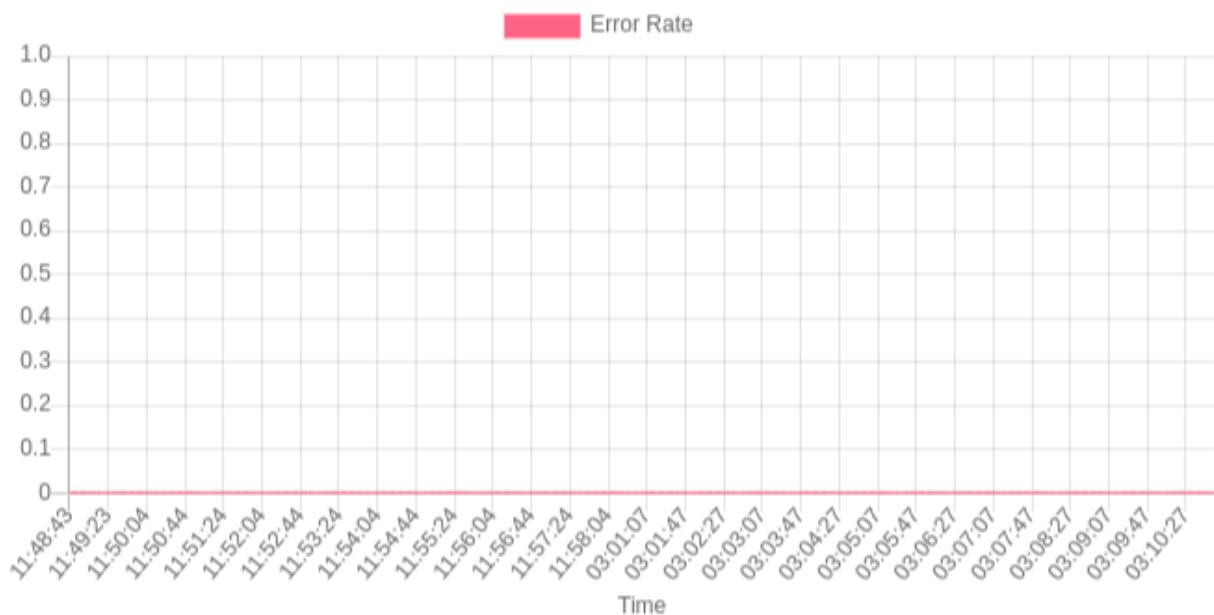


Fig2.4. Error Rate



3. Resource Utilization

Fig3.1. CPU Utilization (%)

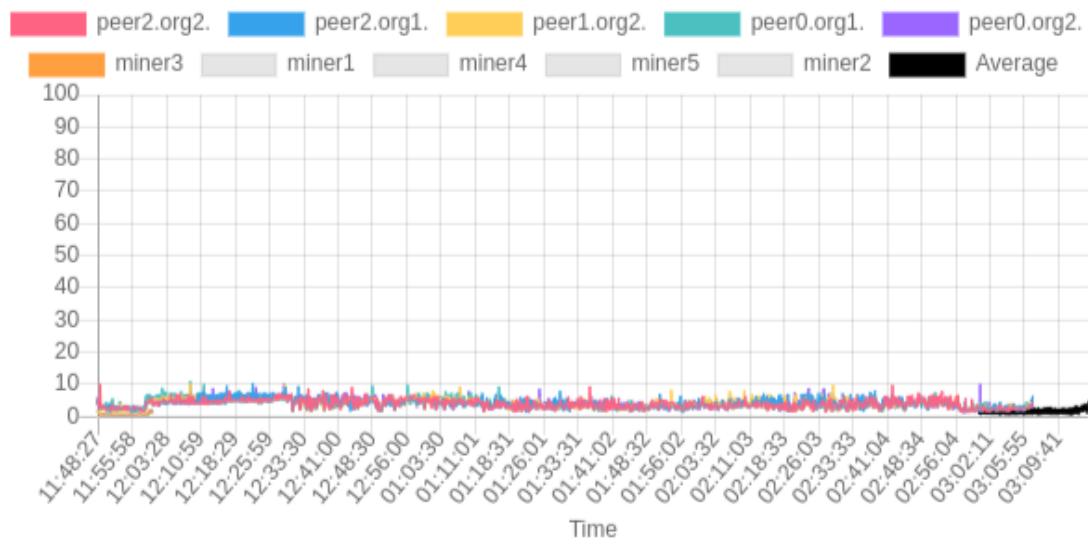


Fig3.2. Memory Utilization (%)

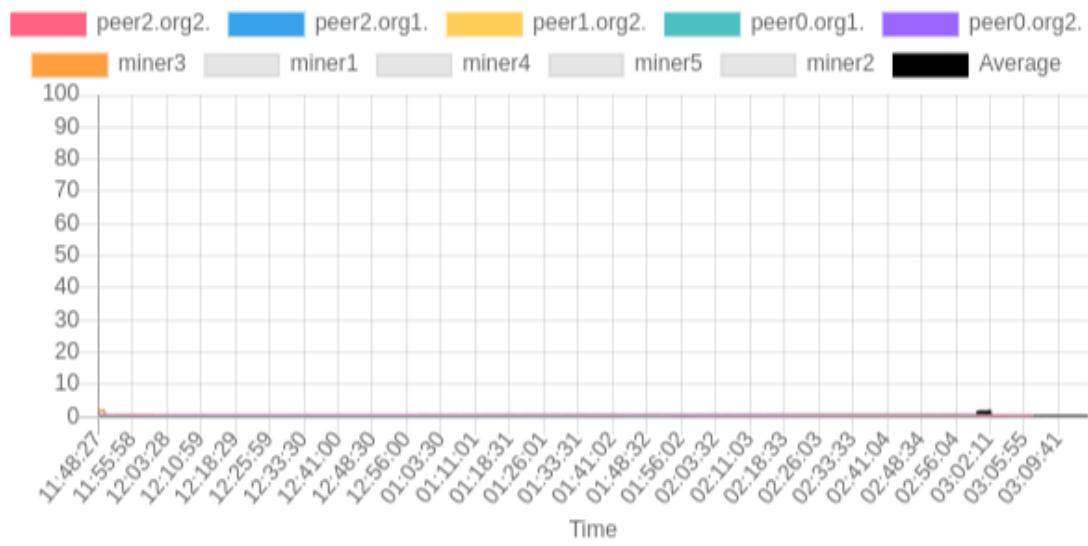


Fig3.3. Network Input (Bytes)



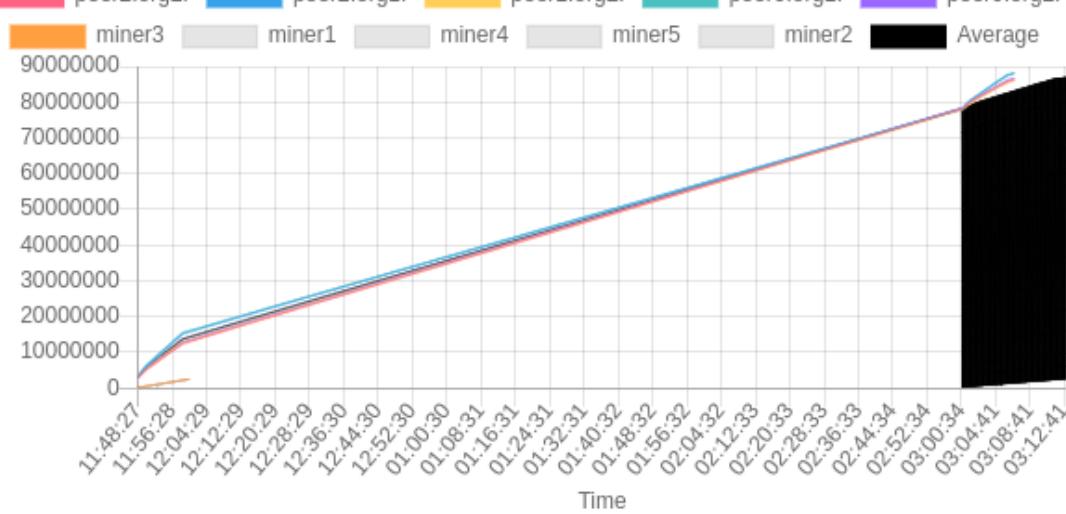
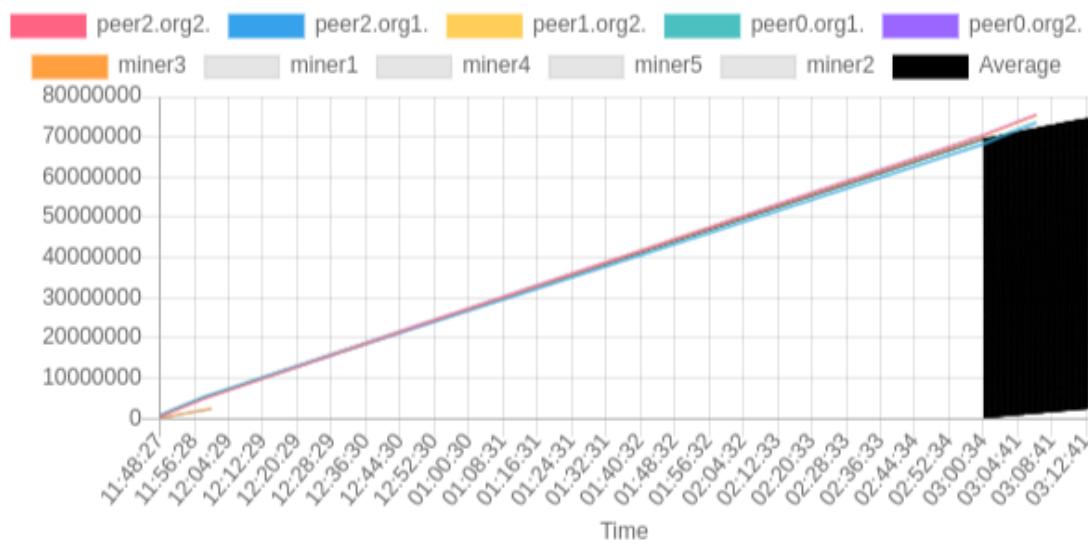


Fig3.4. Network Input Output (Bytes)



4. Comments