

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	Vari:
CPU Utilization	1.88	5.122	2.831	0.92
Memory(%)	0.366	0.474	0.371	0
Network Input (MB)	32.1	145.4	96.891	117,
Network Output (MB)	6.092	60.12	96.891	25,7
Users #	0	100	60.833	800.
Emit rate (transaction/sec)	39	65	44.883	64.5
Throughput (transaction/sec)	39	65	44.883	64.5
Latency (ms)	0	69,619,241.294	14,484.99	55,1
Error rate	0	0	0	0

☰ Configuratio n

Platform:

Hyperledger
Fabric

Consensus: Raft

Number of Nodes: 5

DataSize: 8

Receivers

Nodes: peer 1
organization 1

2. Performance Metrics

Fig2.1. Number Of Users

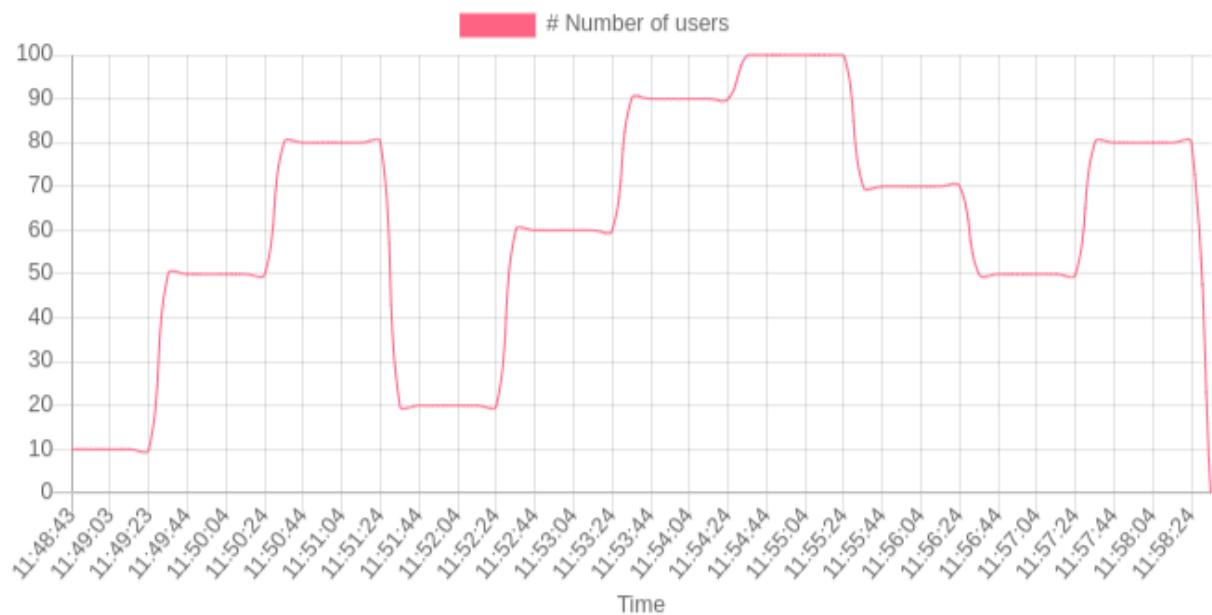


Fig2.2. Number Of Requests

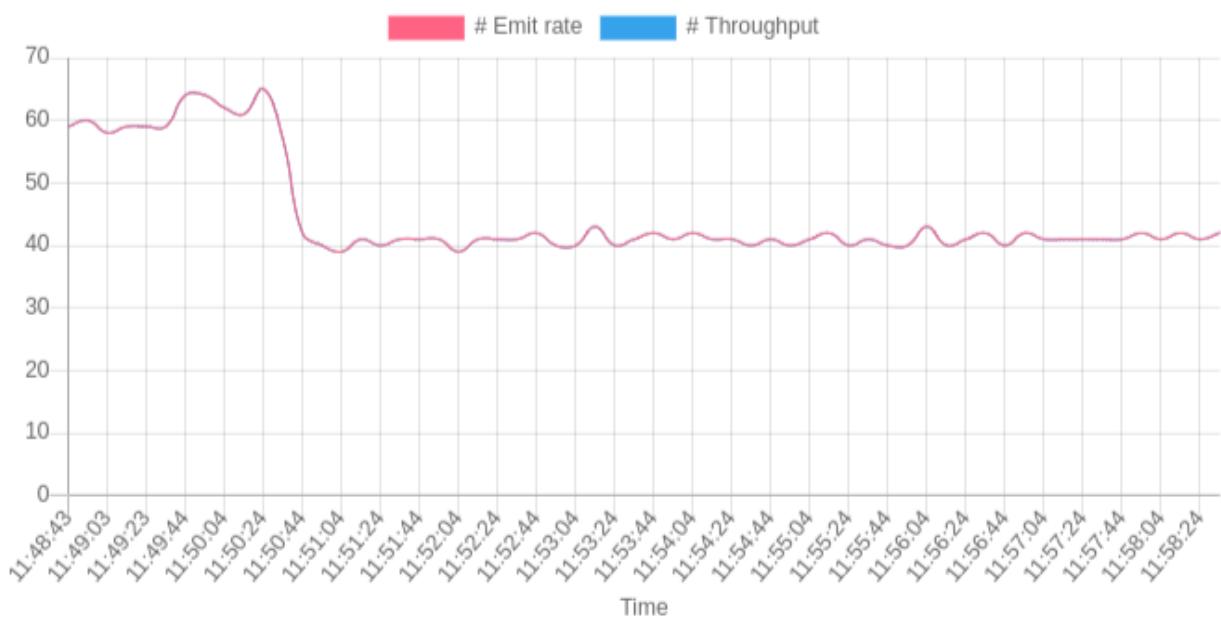


Fig2.3. Latency

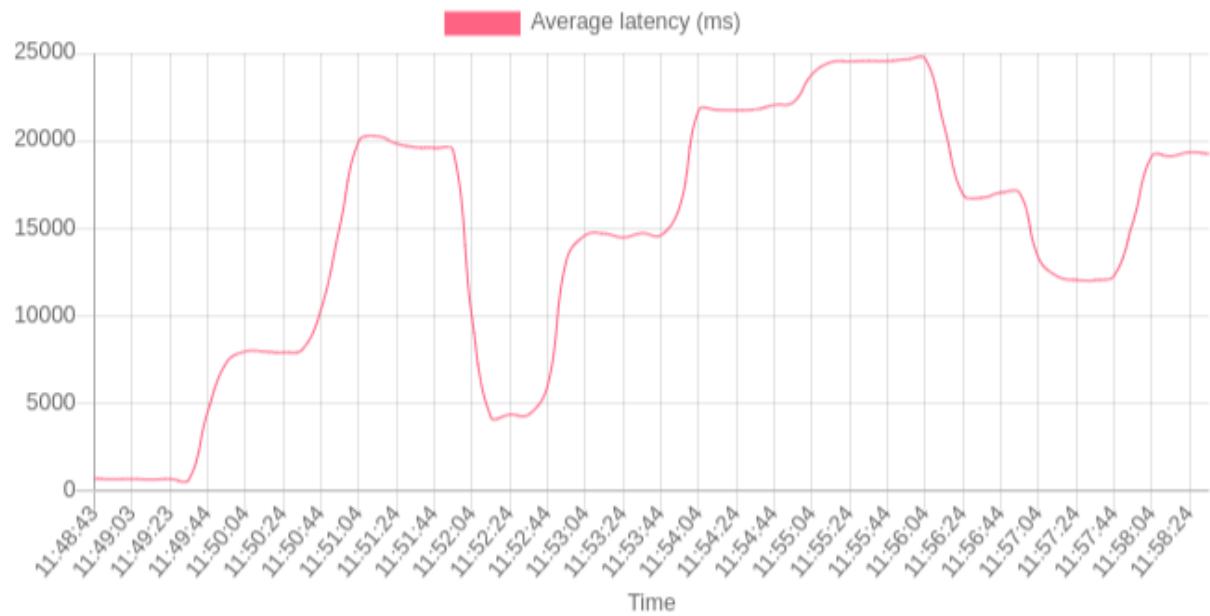
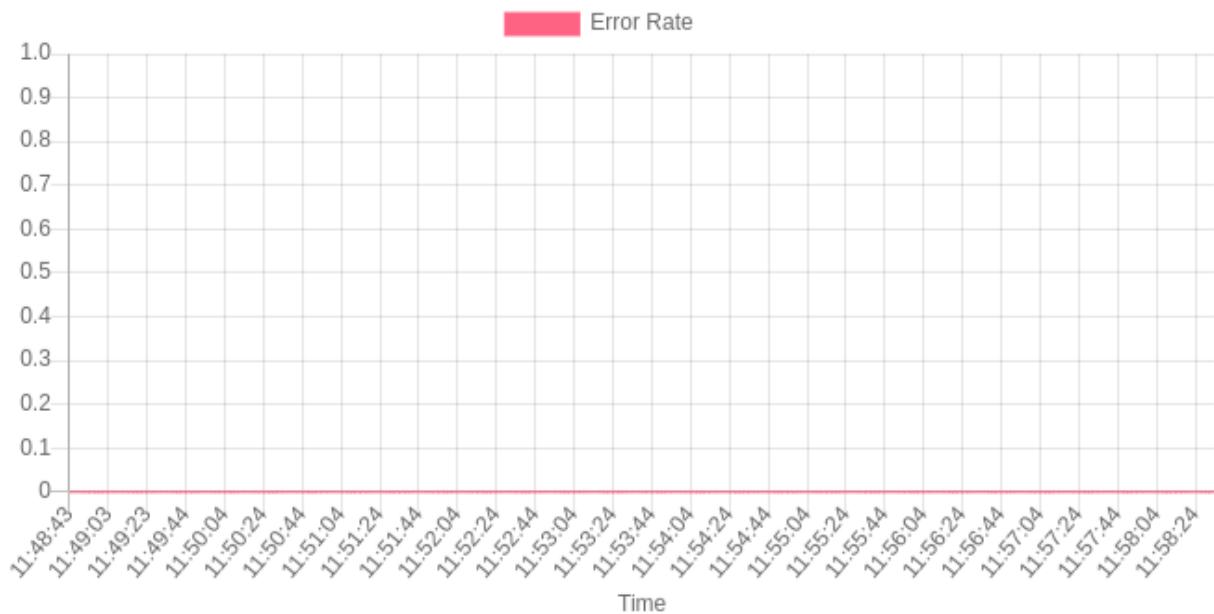


Fig2.4. Error Rate



3. Resource Utilization

Fig3.1. CPU Utilization (%)

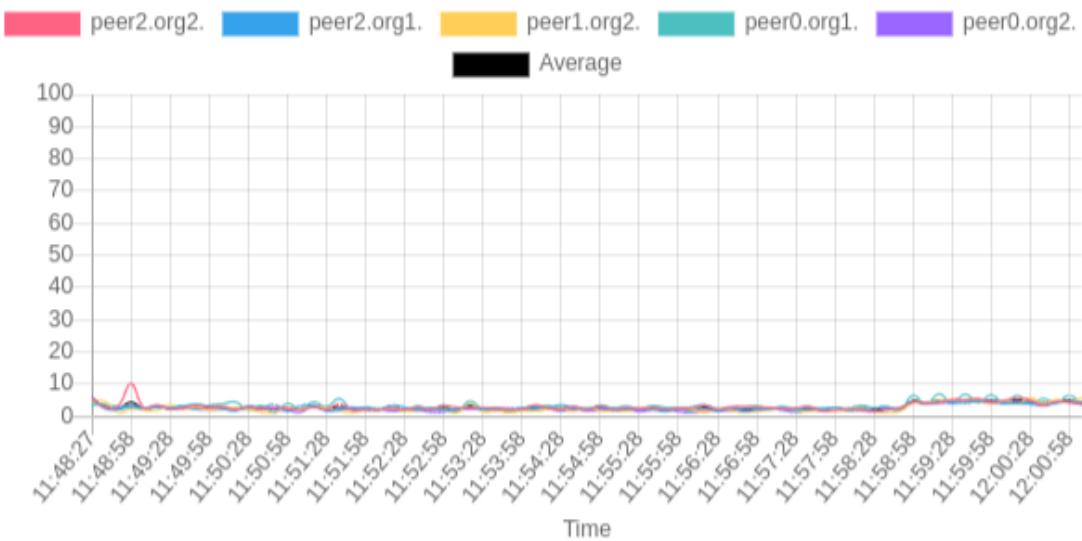


Fig3.2. Memory Utilization (%)

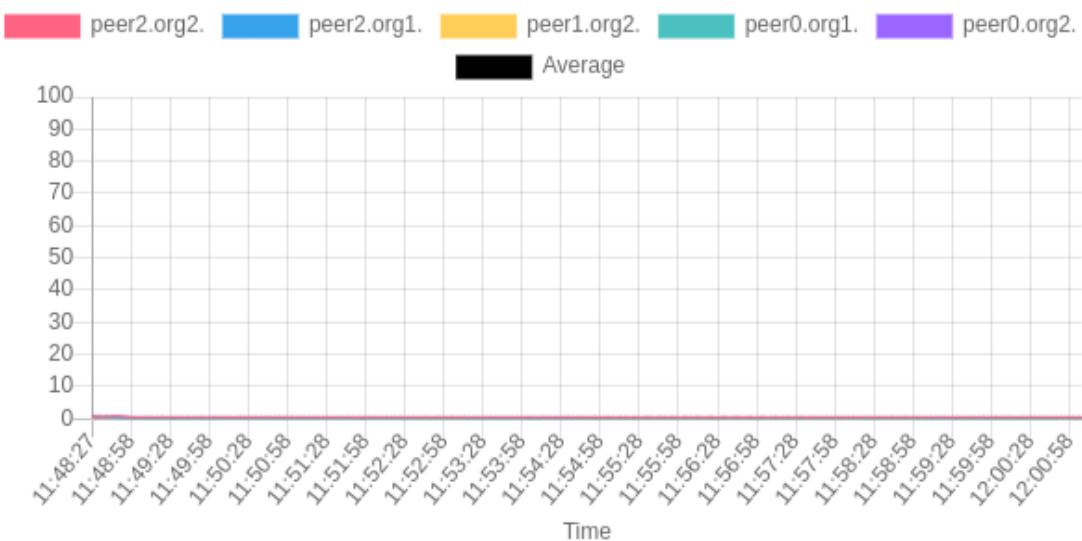


Fig3.3. Network Input (Bytes)



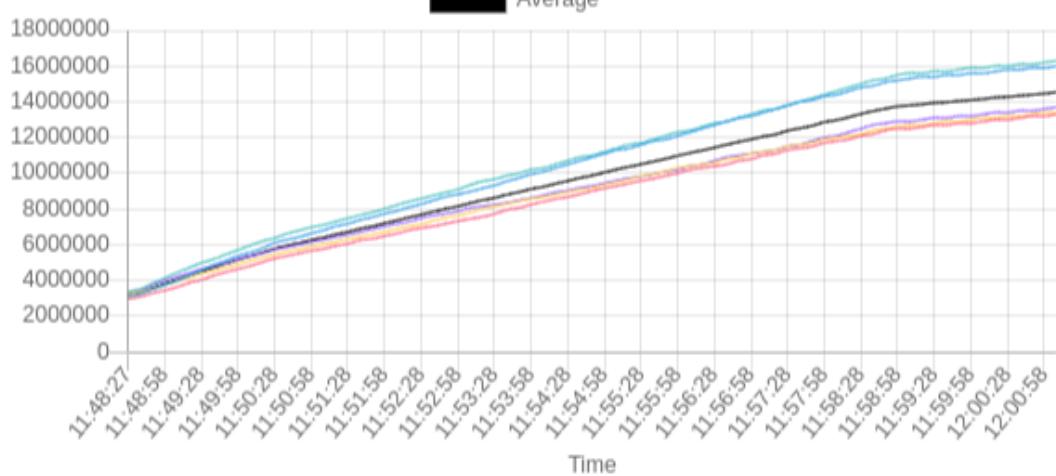
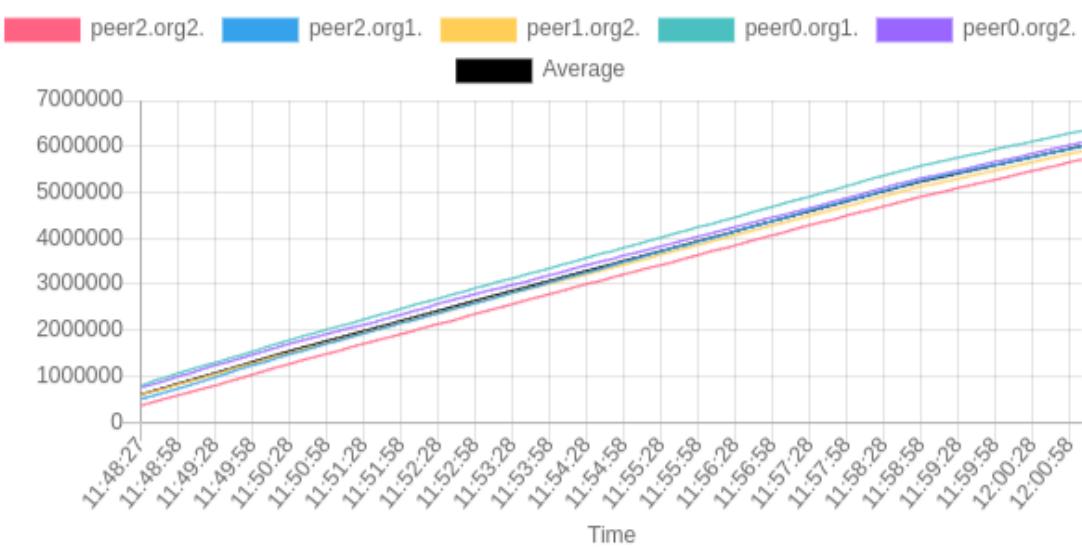


Fig3.4. Network Input Output (Bytes)



4. Comments