

# Executive Summary of an Audited LDBC Benchmark Result

Linked Data Benchmark Council – Social Network Benchmark – Business Intelligence Workload

## Audit Overview

 <b>Test Sponsor:</b>	Database management system: TigerGraph 3.7.0
	DBMS availability date: 2022/09/15

## Setup Overview

Hardware	Operating system
Dell PowerEdge R6625	Ubuntu 20.04.5 LTS

## Hardware Configuration

CPU cores / threads / type	Total cache size per CPU	Memory size	Storage / file system
2 AMD EPYC 9354 CPUs at 3.748 GHz, 32 cores, 64 threads per CPU  Total cores: 64 Total threads: 128	L1d cache: 2 MB L1i cache: 2 MB L2 cache: 64 MB L3 cache: 512 MB	1.5 TB	Root disk: Dell Ent NVMe v2 AGN RI U.2 1.92TB / ext4  Data disk: Dell Ent NVMe v2 AGN RI U.2 3.84TB / xfs

## System Pricing

Total system cost	Machine cost	License cost	Maintenance fee
1,353,315.09 USD	146,307.09 USD	1,097,280.00 USD	109,728.00 USD

## Benchmark Configuration and System Settings

Workload	Social Network Benchmark Business Intelligence workload (SNB BI)
SNB Datagen version	v0.5.0
SNB BI driver and implementations version	v1.0.2
SNB specification version	v2.2.0
Execution mode	disjoint RW mode
Data format	composite-projected-fk layout, compressed CSV files (decompressed during preprocessing)
Scale factor	1000

## Summary of performance metrics

Scale factor	Benchmark duration	Power@SF	Power@SF/\$	Throughput@SF	Throughput@SF/\$
1000	198.38 minutes	30,990.08	22.90	12,993.85	9.60

Audited by Andrei Fabian Murariu (Pometry)	Report date: 2022/11/09
This summary references an audited LDBC benchmark run. The results have been gathered by an independent and impartial auditor who has validated the implementation of the queries and verified the overall system's configuration conformance to the description of the benchmark and its strict requirements.	

