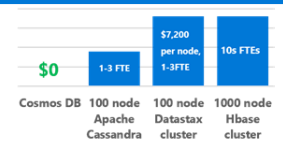
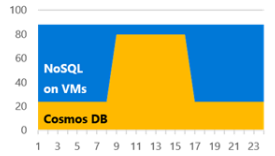
Azure Cosmos DB

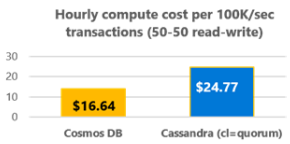
Save vs Cassandra on-premises

On-prem Cassandra TCO Challenges

Cassandra	Cosmos DB
High DevOps and license fees	No DevOps or license fees Up to 30% savings
No elasticity. Provision for the peak.	Instant and limitless elasticity Up to 40% savings
High datacenter and hardware maintenance costs	Economy of scale, lower cost Up to 40% savings







6TB workload, 80K TPS, 50-50 read-write split observed among our customers, off-peak to peak ratio is 40%, 1K objects. 4 proc, 4 cores/proc server nodes. Hardware, datacenter costs estimated using Azure TCO calculator for 5 years pro-rated monthly. DSE license assumed $7,200 / year per node (assumes 8 cores). Azure 3Y reserved price was used for Cosmos DB. Findings based on Microsoft calculations.

TCO Savings with Azure Cosmos DB