

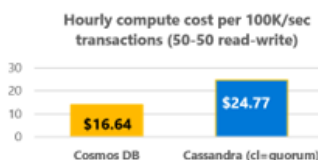
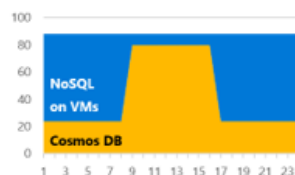
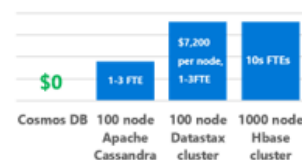


Azure Cosmos DB

Save vs MongoDB on IaaS

Cloud MongoDB TCO Challenges

MongoDB	Cosmos DB
High DevOps and license fees	No DevOps or license fees Up to 30% savings
Limited elasticity. Over-provisioning	Instant and limitless elasticity Up to 25% savings
Not Cloud-optimized. Poor compute, network, and storage utilization.	Azure-optimized. High compute and network utilization. Up to 40% savings



2TB workload, 20K TPS, 50-50 read-write split observed among our customers, off-peak to peak ratio is 40%, 1K objects, 4 shards, 3-way replication, L16 VMs used per Azure guidance. MongoDB license assumed \$4,800 / year per node. Azure monthly consumption prices were used. Workload is smaller than Cassandra due to observed reliability/performance challenges with MongoDB at high load. Findings based on Microsoft calculations.

TCO Savings with Azure Cosmos DB

