

# Azure SQL Database Meets mission critical requirements while costing up to 86% less than AWS RDS



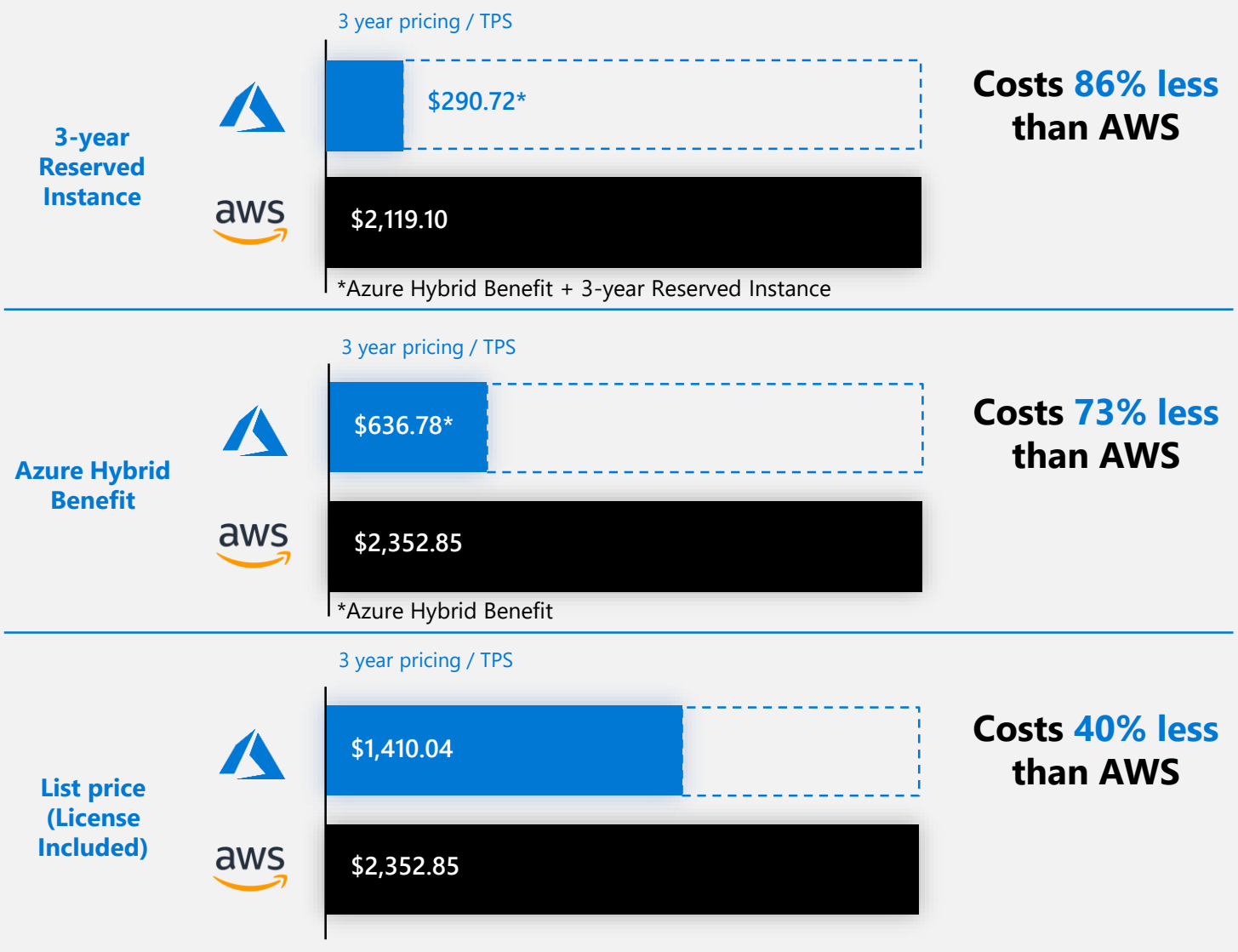
## Azure vs. AWS performance study for Azure SQL Database

GigaOm recently published a study where they tested throughput performance between Azure SQL Database and SQL Server on AWS RDS. The study evaluated price-performance for mission critical workloads running on the services' fully-managed offerings. Performance is derived from the TPC-E transaction per second (TPS) metric.

### The results

### Price/performance

Lower is better



Mission critical SQL Server workloads run best on Azure

# More reasons to pick Azure over AWS for SQL Server workloads



## Best total cost of ownership

Save up to 88% on Azure SQL Database compared to AWS RDS



## Evergreen SQL

Stay always up to date with Azure SQL Database, with full parity based on 100% code consistency



## Industry's highest SLA on Azure SQL Database

Experience up to a 99.995% availability SLA and 100% business continuity SLA



## Machine learning-based performance and security

Optimize performance and security with built-in, ML-based features that act on your behalf



## Komatsu achieves breakthrough performance gains and savings with Azure SQL Database

### Challenge

Modernize infrastructure by consolidating mainframe apps into a single system

### Solution

Migration to Azure SQL Database to optimize performance for its large data volumes

### Outcome

Performance gains and overall cost reduction

“ We determined Azure SQL Database Managed Instance was the best choice for us in terms of scalability, cost, and performance.... We've seen a 49 percent cost reduction and 25 to 30 percent performance gains. ”

Nipun Sharma

Analytics Architect, Business Technology and Systems

## Choose Azure when migrating SQL Server to the cloud

- Read the complete performance study [white paper](#)
- Create an Azure SQL Database with your [Azure free account](#)
- Take advantage of [\\$200 in Azure consumption](#)
- Leverage your on-premises licenses with [Azure Hybrid Benefit](#)



© 2019 Microsoft Corporation. All rights reserved. Price-performance claim based on data from a study commissioned by Microsoft and conducted by GigaOM in August 2019. The study compared price performance between a single, 80 vCore, Gen 5 Azure SQL Database on the business critical service tier and the db.r4.16xlarge offering for SQL Server on AWS RDS. Benchmark data is taken from a GigaOM Analytic Field Test derived from a recognized industry standard, TPC Benchmark™ E (TPC-E), and is based on a mixture of read-only and update intensive transactions that simulate activities found in complex OLTP application environments. Price-performance is calculated by GigaOm as the cost of running the cloud platform continuously for three years divided by transactions per second throughput. Prices are based on publicly available US pricing in East US for Azure SQL Database and US East (Ohio) for AWS RDS as of August 2019. Price-performance results are based upon the configurations detailed in the GigaOM Analytic Field Test. Actual results and prices may vary based on configuration and region.