AMD

ACCELERATE QUERIES & AI INFERENCE TO TRANSFORM DATA INTO ACTIONABLE INSIGHTS

PERFORMANCE

AMD EPYC™ CPU proven performance, and x86 software compatibility have prompted global Analytics and AI Software ISVs to support and optimize on AMD EPYC CPU based servers.

Microsoft SQL Server®	Cloudera®	MySQL®
~44%	**~40%**	**~2.7x**
More Queries/Hr [1]	More Queries/Hr [2] (1P EPYC configuration)	Queries/Hr SPS-070
(QphH) on DSS benchmark @ SF3000 2x 32c EPYC 9374F vs 2P 32c Intel® Xeon® 8562Y+	(QphH) on DSS benchmark @ 3000GB comparing 1x EPYC 9654 vs. 2x Xeon 8480+	(TPROC-H) on DSS benchmark, 2P EPYC 9654 vs. 2P Xeon Platinum 8380

EFFICIENCY

AMD EPYC CPU efficiency lets customers consolidate and modernize IT infrastructure, helping to free up space for AI and innovation.
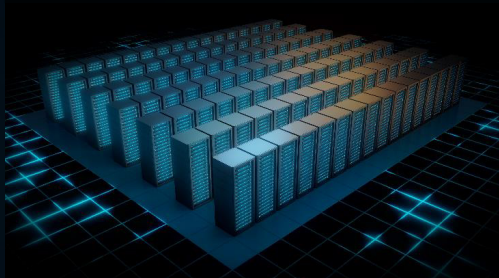
~71%	**~67%**
Less Power 9xxSTCO-002A	Lower 3yr TCO 9xxSTCO-002A

To achieve 391,000 units of integer performance. Based on SPECrate® 2017_int_base score
A 2P AMD EPYC 9965 solution compared to Intel Xeon 8280 for the same performance

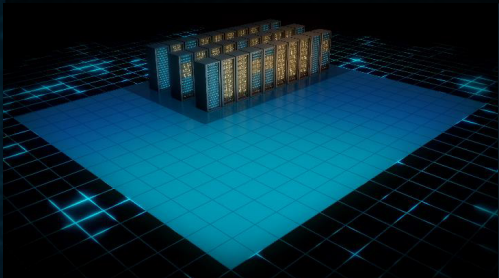**1000 Old Servers**
2P Intel Xeon Platinum 8280 servers

7 to 1
Server Consolidation
Easily Migrate to AMD
9xxSTCO-002A

131 Modern Servers
2P AMD EPYC 9965 servers

Modernize the Data Center - Add More Compute Capacity
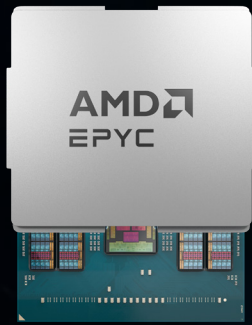
ECOSYSTEM SUPPORT

Compatible with leading database solutions like: Apache Spark®, Cloudera®, Databricks, Hadoop™, IBM DB2®, MariaDB™, Microsoft SQL Server®, MongoDB™, MySQL™, Oracle® Database, and PostgreSQL®.

Add protective shielding to databases hosted without having to add costs or code with AMD Infinity Guard. A hardware-based set of advance security features isolates each virtual host to help defend from threats. *

SECURITY FEATURES

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