



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®

~44%

More Queries/Hr ¹

(QphH) on DSS benchmark @ SF3000
2x 32c EPYC 9374F vs 2P 32c Intel® Xeon® 8562Y+

Cloudera®

~40%

More Queries/Hr ²
(1P EPYC configuration)

(QphH) on DSS benchmark @ 3000GB
comparing 1x EPYC 9654 vs. 2x Xeon 8480+

MySQL®

~2.7x

Queries/Hr [SPS-070](#)

(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%

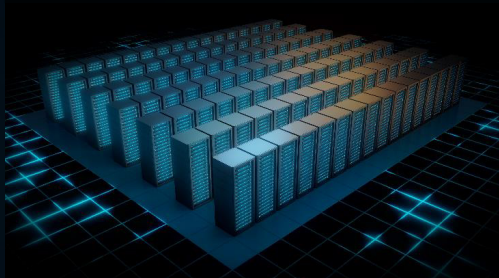
Less Power [9xx5TCO-002A](#)

~67%

Lower 3yr TCO [9xx5TCO-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

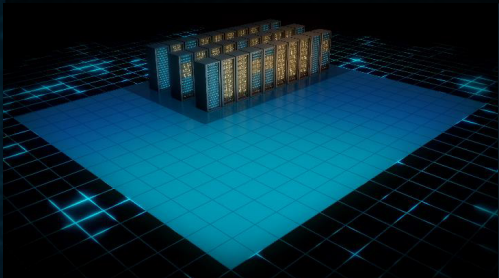


7 to 1

Server Consolidation
Easily Migrate to AMD

[9xx5TCO-002A](#)

131 Modern Servers
2P AMD EPYC 9965 servers



Modernize the Data Center - Add More Compute Capacity

ECOSYSTEM SUPPORT

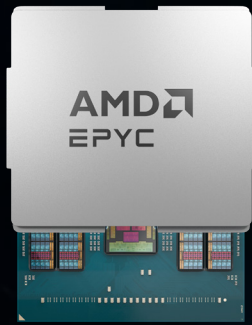
Compatible with leading database solutions like:
[Apache Spark®](#), [Cloudera®](#), [Databricks](#), [Hadoop™](#), [IBM DB2®](#),
[MariaDB™](#), [Microsoft SQL Server®](#), [MongoDB™](#), [MySQL™](#),
[Oracle® Database](#), and [PostgreSQL®](#).

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

NOW PART OF 350+ OEM PLATFORMS AND 900+ INSTANCES ON THE CLOUD.

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1 - <https://www.amd.com/content/dam/amd/en/documents/epyc-technical-docs/performance-briefs/amd-epyc-9004-pb-extending-mssql-server-oltp-dss-perf-leadership.pdf>
2 - <https://www.amd.com/content/dam/amd/en/documents/epyc-business-docs/performance-briefs/amd-epyc-9004-pb-cloudera.pdf>

* AMD Infinity Guard features vary by EPYC™ Processor generations and/or series. Infinity Guard security features must be enabled by server OEMs and/or Cloud Service Providers to operate. Check with your OEM or provider to confirm support of these features. Learn more about Infinity Guard at <https://www.amd.com/en/technologies/infinity-guard>. GD-183A.

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