

GET MORE FROM MYSQL™ FOR YOUR TRANSACTION-HEAVY WORKLOADS WITH AMD EPYC™ POWERED AMAZON EC2 INSTANCES



Accelerate MySQL™ for cloud-based transaction processing by running jobs faster or smaller at lower cost



Grow compute capacity with no new investment by leveraging M7a instances' excellent performance/\$



Protect your cloud applications and data with unique silicon-powered confidential computing

FASTER

UP TO 42% BETTER PERFORMANCE RUNNING MYSQL™ FOR TRANSACTION PROCESSING

by using Amazon EC2 M7a.4xlarge instances vs. M7i.4xlarge instances¹

SMALLER

USE 29% FEWER INSTANCES TO HOST MYSQL PROCESSING 100M TRANSACTIONS PER MINUTE

on M7a.4xlarge instances vs. M7i.4xlarge²

LOWER COST

UP TO 19% REDUCED CLOUD SPEND RUNNING MYSQL JOBS TO PROCESS 100M TRANSACTIONS PER MINUTE

on M7a.4xlarge instances vs. M7i.4xlarge²

RUN FASTER, SMALLER AND CHEAPER USING AMD EPYC™ PROCESSORS

By running MySQL™ transaction processing on AMD EPYC CPU-powered instances in Amazon EC2, you can **free up budgets for new workloads** such as generative AI or app capacity expansion. MySQL runs faster for online transaction processing on M7a vs. M7i (as measured by the TPROC-C benchmark), which enables a smaller processing footprint and up to **19% lower job cost**.² M7a also offers up to **42% higher MySQL performance** than M7i.¹ You can quickly and easily migrate your MySQL workloads running on alternative x86-powered platforms or on older, more costly instances to M7a to **do more with less**.



ARE YOU READY TO STEP UP YOUR COMPETITIVE CLOUD ADVANTAGE?

FOR MORE INFORMATION, VISIT:

[Higher Performance at Lower Cost](#)

[AWS and AMD Partner Page](#)

[Amazon EC2 M7a Instances](#)

[AMD EPYC Server Processors](#)

[AMD Documentation Hub - AWS](#)

TOGETHER WE ADVANCE_CLOUD COMPUTING

- 1 Performance improvement potential represents average testing results; see [AMD M7a vs. INTC M7i Performance Brief](#) for test results.
- 2 Based on AMD testing as of 9/28/2023, M7a.4xl has a 1.42x performance advantage compared with M7i.4xl for the MySQL TPROC-C benchmark. Instance pricing of m7i.4xlarge is \$0.8064/hour and m7a.4xlarge costs \$0.92736/hour, based on published [Amazon EC2 On-Demand Pricing for US East \(Ohio\) Region as of 9/28/2023](#). Performance (MySQL TPROC-C transactions per minute [TPM]): m7i.4xlarge, 922,146; m7a.4xlarge, 1,305,523. Cloud performance results are based on the test date in the configuration. Results may vary depending on changes to the underlying configuration and other conditions such as the placement of the VM and its resources, optimizations by the cloud service provider, accessed cloud regions, co-tenants and the types of other workloads exercised at the same time on the system. MySQL is a trademark of Oracle and/or its affiliates. SP5C-015.

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