ORACLE

MySQL HeatWave

MySQL HeatWave is a fully managed database service for transactions, real-time analytics across data warehouses and data lakes, and machine learning, without the complexity, latency, and cost of ETL duplication. It is available on OCI, AWS, and Azure.

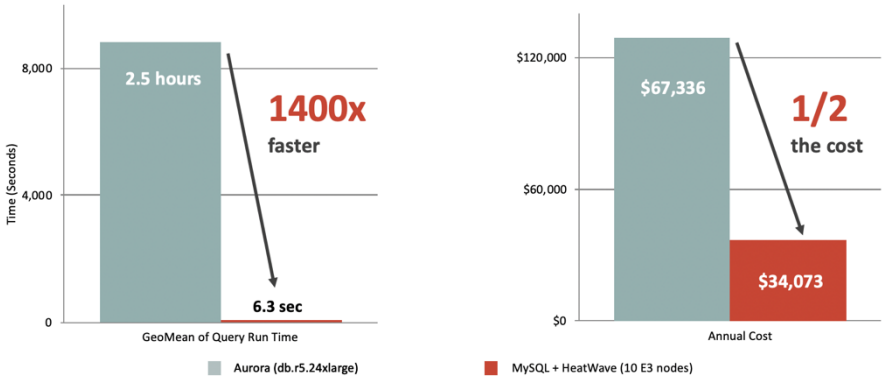
MySQL HeatWave is 4.2X faster than Amazon Redshift at one-fifth the cost, 3.3X faster than Snowflake at one-eight the cost, and 1,400X faster than Amazon Aurora at half the cost.

One MySQL Database Service for OLTP, OLAP, ML, & Lakehouse

MySQL HeatWave is the only MySQL cloud service with a built-in, high-performance, in-memory query accelerator—HeatWave. It increases MySQL performance by orders of magnitude for analytics and mixed workloads, without any changes to current applications. With HeatWave AutoML, developers and data analysts can build, train, deploy, and explain machine learning models in MySQL HeatWave, without moving data to a separate machine learning service.

1400X Faster and half the Cost of Amazon Aurora

With its built-in HeatWave in-memory query accelerator, MySQL HeatWave is faster and less expensive, as demonstrated by multiple standard industry benchmarks. It is 1400x faster than Amazon Aurora at half the cost.



MySQL HeatWave is 1400x faster and 1/2 the cost of Amazon Aurora.

MySQL HeatWave

ORACLE CLOUD Infrastructure

aws

"MySQL HeatWave dramatically reduced our AWS Aurora and Redshift cost by more than 50%. We are no longer moving data around so now we have blazing fast, real-time insights with no effort. More importantly, scalability has made our expansion plan possible, allowing us to onboard more data and new clients without impact to costs. It's a dream come true."

Pablo Lemos
Cofounder and CTO
Tetris.co

MySQL HeatWave for Online Transaction Processing (OLTP)

MySQL powers the most demanding Web, E-commerce, SaaS, and Online Transaction Processing (OLTP) applications. MySQL HeatWave delivers the same robust MySQL transactional capabilities as a fully managed database service, available in OCI, AWS, and Azure.

Real-time Analytics – without ETL

HeatWave is designed to enable customers to run analytics on data stored in MySQL databases, without the need for ETL. Analytics queries always access the most up-to-date data as updates from transactions automatically replicate in real-time to the HeatWave analytics cluster.

In-database Machine Learning with MySQL HeatWave AutoML

HeatWave AutoML includes everything users need to build, train, deploy, and explain machine learning models within MySQL HeatWave, at no additional cost. Customers don't need to move data to a separate machine learning service. They can easily and securely apply machine learning training, inference, and explanation to data stored inside MySQL HeatWave.

Query Data in Object Store with MySQL HeatWave Lakehouse

MySQL HeatWave includes MySQL HeatWave Lakehouse, letting users query half a petabyte of data in object storage—in a variety of file formats, such as CSV, Parquet, and export files from other databases. Customers can leverage the benefits of HeatWave even when their data is stored outside a MySQL database.

"We found MySQL HeatWave improved performance by 90X, which solved the challenges and concerns we had in moving data to realize real-time analysis. It was a big surprise for us."

Masayuki Kawamoto
Director, CTO
Genius Sonority

Machine learning-powered Automation with MySQL Autopilot

MySQL Autopilot provides workload-aware, machine learning-powered automation of various aspects of the application lifecycle, including provisioning, data loading, query execution, and failure handling. MySQL Autopilot also helps deliver high OLTP throughput and recommends the right compute shape at any given time to obtain the best price-performance.

Request a free MySQL HeatWave workshop
Try MySQL HeatWave for free

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