

MySQL HeatWave powered by Oracle Cloud

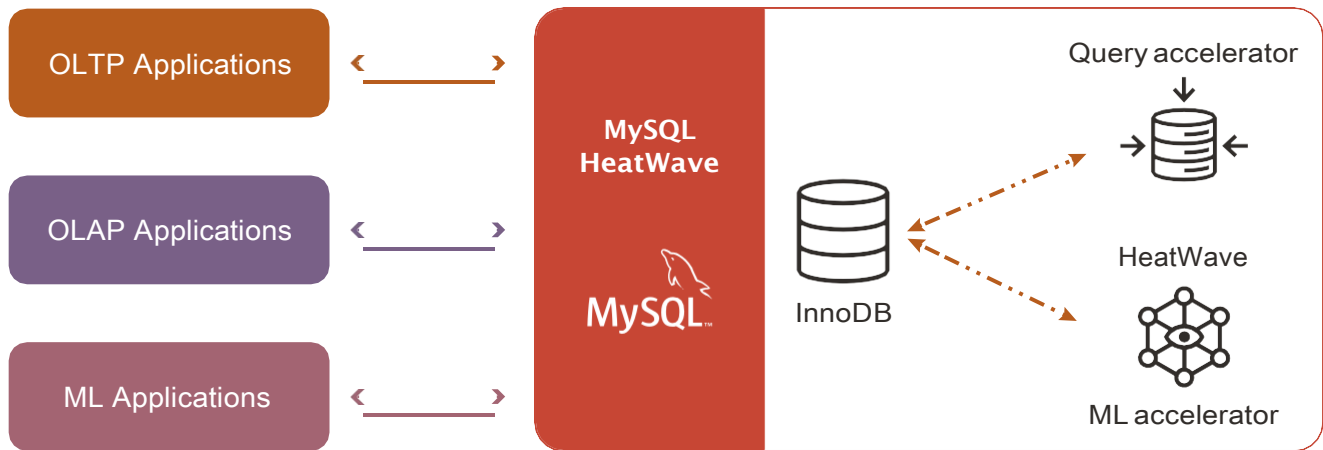


One MySQL Database for OLTP, OLAP and Machine Learning

Turbo-Charge Performance

MySQL HeatWave, is a high performance, massively parallel, in-memory query that increases MySQL performance by orders of magnitude for analytics and mixed workloads.

MySQL HeatWave is the only service that enables customers to access OLTP and OLAP workloads directly from their MySQL database. This eliminates the need for complex, time-consuming, and expensive data movement and integration with a separate analytics database.



Native, in-database Machine Learning

HeatWave supports in-database machine learning (ML) that fully automates the ML Lifecycle and stores all trained models inside the MySQL database, eliminating the need to move data or the model to a separate machine learning tool or service. As a result, users can accelerate ML initiatives, increase security and reduce costs.

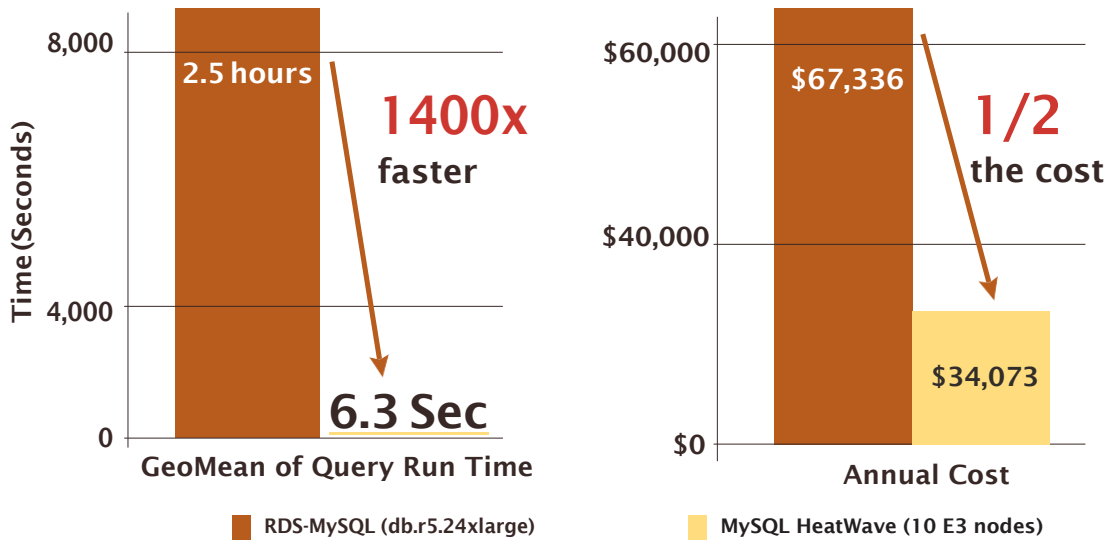
Developers and data analysts can build ML models using familiar SQL commands, removing the requirement to learn new tools and languages or invest in additional expertise.

MySQL HeatWave Performance and Price Comparisons

Price performance comparisons based on publicly available benchmarking code from Oracle demonstrate

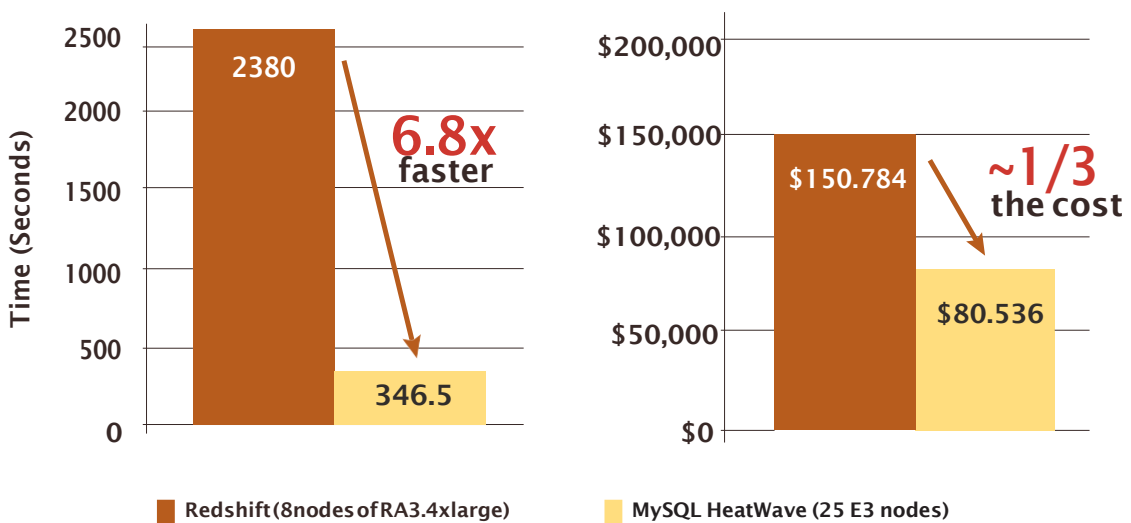
1400x faster than Amazon Aurora and 1/2 the cost

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



6.8x faster than Redshift Aqua and ~1/3 the cost

MySQL HeatWave is 6.8x faster and ~1/3 the cost of Redshift Aqua



See more performance information [here](#)

Benefits of MySQL Heatwave

Single Database for OLTP and OLAP

- P Eliminates ETL
- P Native, real-time analytics
- P Existing applications work without changes
- P Data is always encrypted

HeatWave ML

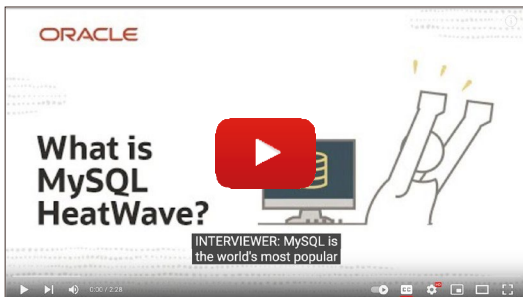
- P In-database machine Learning
- P Fully automates the ML lifecycle
- P Included at no additional cost
- P Removes need for separate ML service
- P No need to learn new ML tools or languages

P Autopilot automates many of the most important and often challenging aspects of achieving high query performance at scale—including provisioning, data loading, query execution, and failure handling.

P MySQL HeatWave is available on Amazon Web Services (AWS). MySQL HeatWave is the only service that combines OLTP, analytics, machine learning, and machine learning-based automation within a single MySQL database. AWS users can now run transaction processing, analytics, and machine learning workloads in one service, without requiring time-consuming ETL duplication between separate databases.

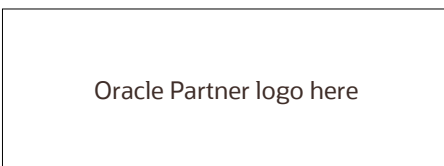
Check out the HeatWave on AWS press release [here](#)

See what's possible with this MySQL HeatWave Animation



GET STARTED

Contact your Oracle MySQL Partner



[Contact us today](#)

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Benchmark queries are derived from the TPC-H benchmark, but results are not comparable to published TPC-H benchmark results since they do not comply with the TPC-H specification.



Red3i speeds insights by 1,000X with MySQL HeatWave

[Discover](#)



Genius Sonority speeds game analytics by 90X with MySQL HeatWave

[Discover](#)



Tamara cuts costs, speeds performance with MySQL HeatWave and Oracle Cloud

[Discover](#)



VRGlass increases database performance by 5X over Amazon EC2 with MySQL HeatWave

[Discover](#)



Centroid simplifies and scales data and analytics with MySQL HeatWave on AWS

[Discover](#)

MySQL HeatWave: Benefits to Partners

Generate new services revenue

- Lift and shift opportunities can require discovery, migration, integration, managed services, etc.
- Cloud services revenue for partners can equate to 5-10x of IaaS spend

Competitive Migrations

- Huge opportunity for migrating customers off competitive clouds (AWS, Azure, GCP, etc.)

Create new, non-Oracle workloads

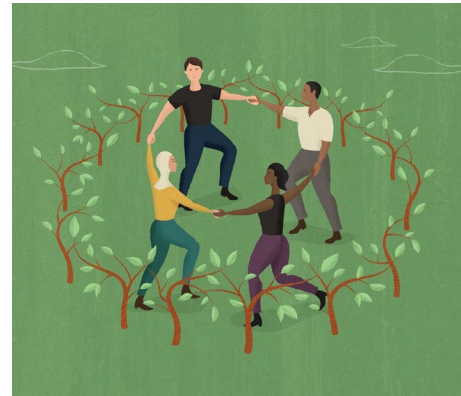
- Large base of non-Oracle workloads to target
- Use HeatWave to win new OCI logos

Drive additional consumption/Increase share of wallet

- \$1 in MDS/HeatWave creates ~\$2-3 in complementary services
- Increase [CSP](#) and [OCI](#) Implementation Incentive payouts

Leverage MySQL's popularity

- 70% of Oracle DB customers use MySQL
- Millions of existing MySQL users



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