

DBRE: Data Engineering

MySQL Database Service & HeatWave to run Analytics



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LAD Partner Enablement



Safe Harbor Statement

The following is intended to outline our general product direction. It is intended for information purposes only, and may not be incorporated into any contract. It is not a commitment to deliver any material, code, or functionality, and should not be relied upon in making purchasing decisions. The development, release, and timing of any features or functionality described for Oracle's products remains at the sole discretion of Oracle.





SQL> select * from person where name = 'Alexandre Fagundes'



MULTI_TASK = YES Father, Son, Husband, DBA

MULTI_THREAD = YES

Graduated in Information Systems (UniSociesc - SC)
Applications & Database Administrator
Certified OCI Architect Professional
Certified Microsoft Azure Administrator

PARALLEL_READ = YES

“SRE Engineering” Google Inc.

SESSION_PERSISTENCE = YES

Oracle EBS & Database Consultancy Services since 2002

KEEP_ALIVE = YES

Next-Certifications: Oracle Cloud DB Services, MS Azure DBA, AWS



About Our Live Sessions

MySQL and the IT Market

Launch MySQL DB-Systems

Create an Oracle Analytics Cloud instance

Host for MySQL Shell

Enable Heatwave Cluster

My First OAC Dashboard



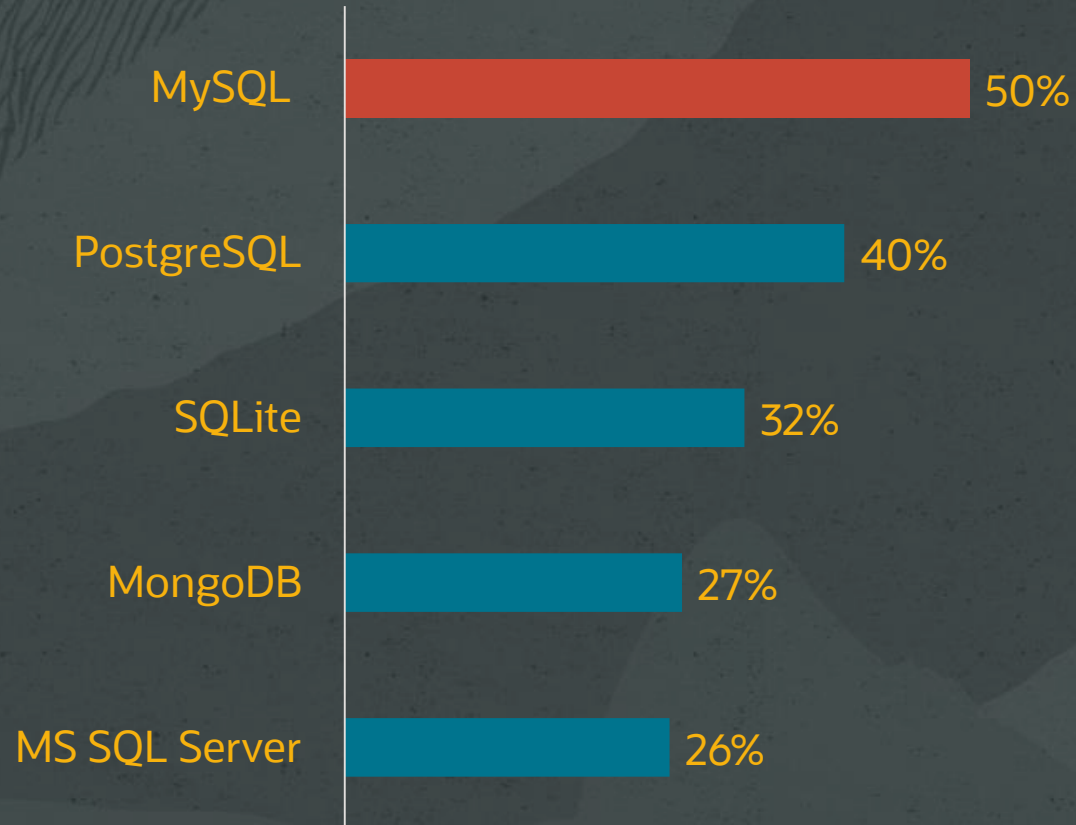


MySQL DB-Systems



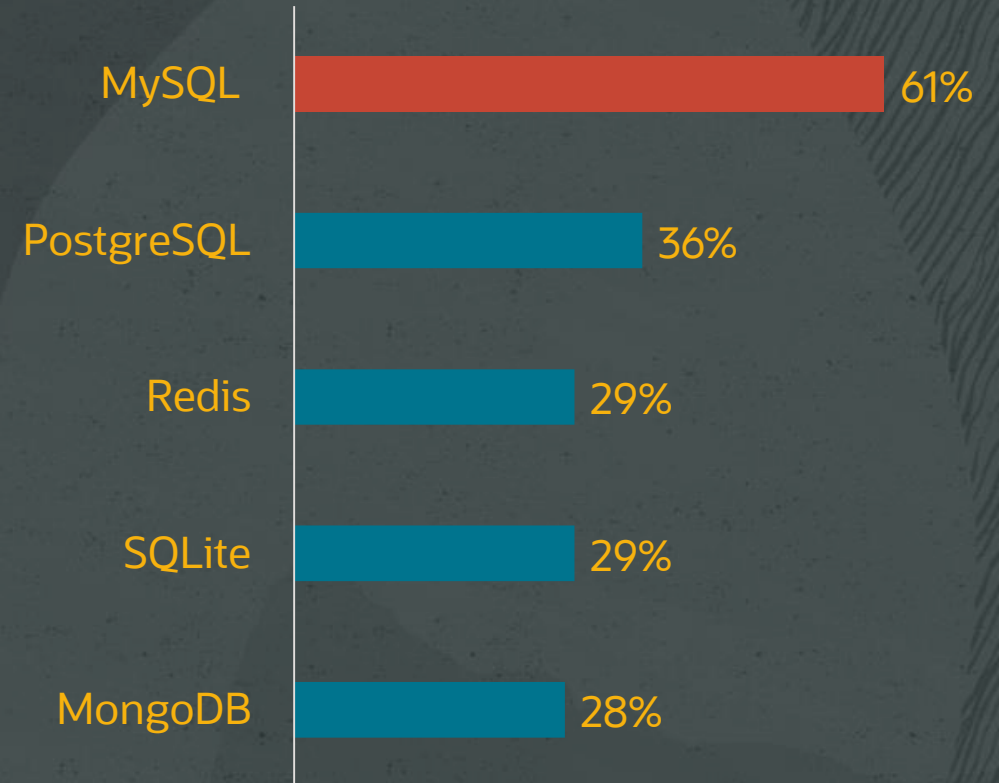
MySQL is the most popular database for developers

Most popular databases



[Stackoverflow survey 2021](#)

Which databases have you used in the last 12 months?



[JetBrains survey 2021](#)

Innovative enterprises across many industries run MySQL

Social

facebook



LinkedIn



Pinterest

E-Commerce

Booking.com

NETFLIX

UBER



淘宝网
Taobao.com

阿里巴巴
Alibaba.com

Tech



GitHub

HubSpot

zendesk



Finance



J.P.Morgan

citi



VISA



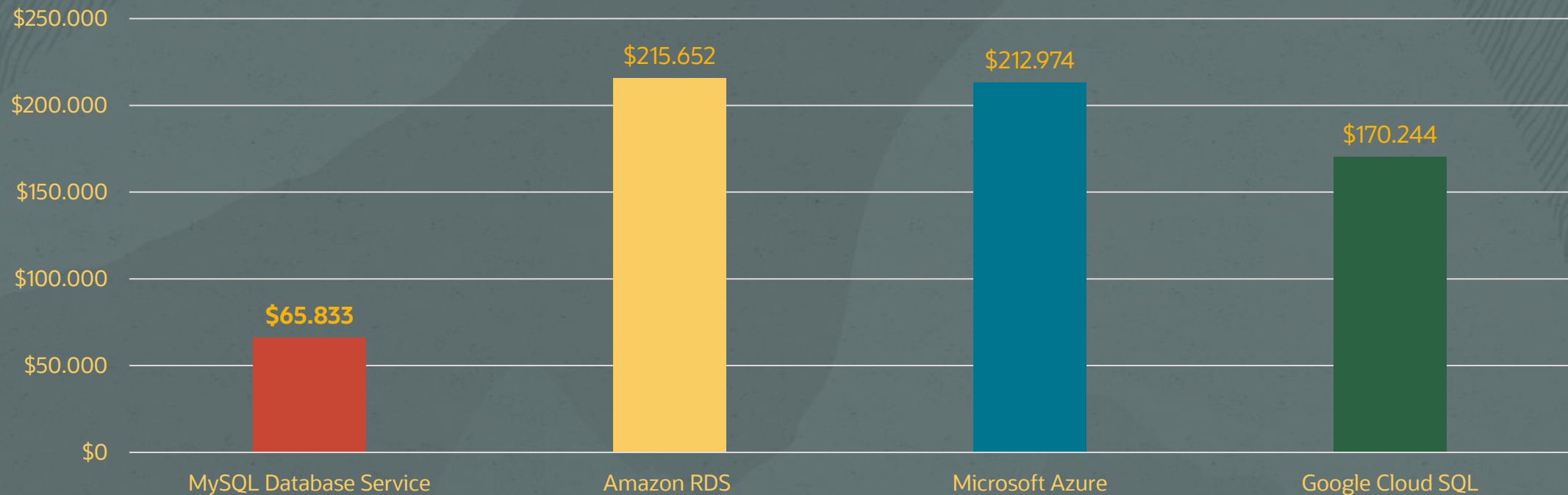
Manufacturing

TESLA



MySQL Database Service costs less

Annual cost for a 100 OCPUs, 1TB Storage configuration



MySQL Database Service: Standard E3 AMD 16GB/Core, all regions have the same price.

Amazon RDS: Intel R5 16GB/Core, [AWS US East](#).

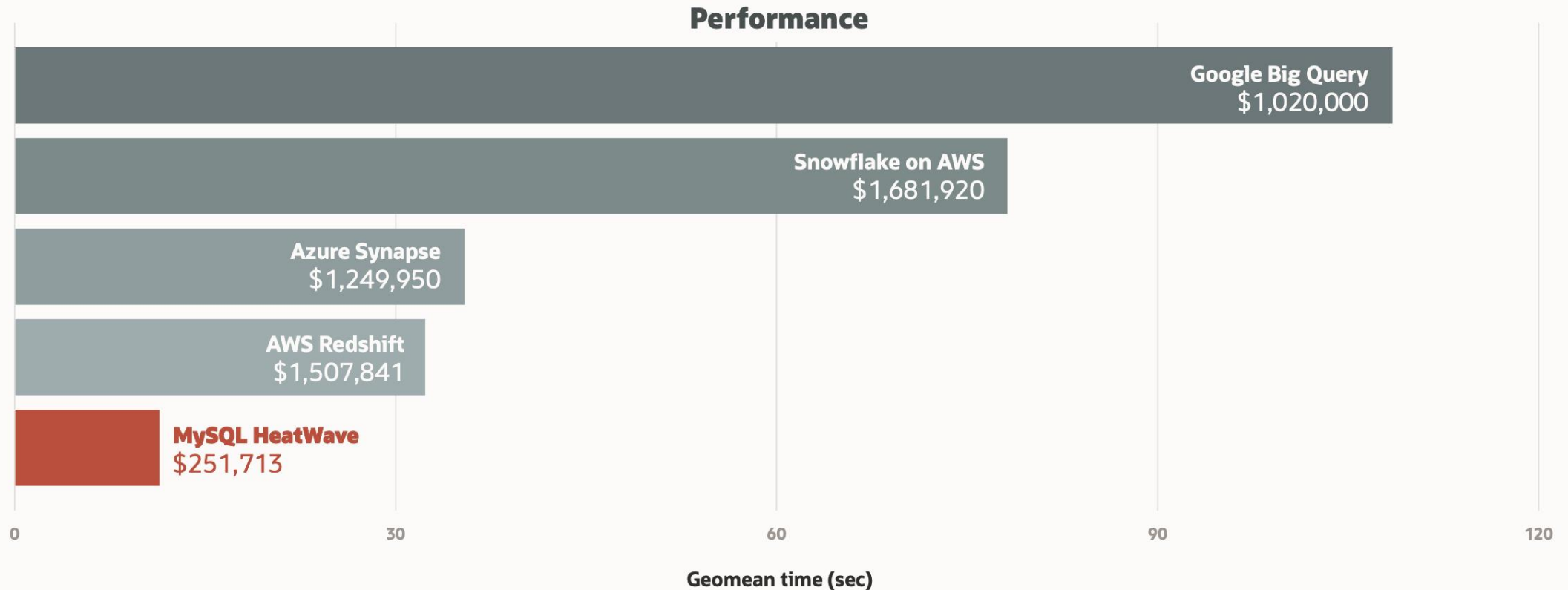
Azure: Memory Optimized Intel 20GB/Core, [MS Azure US-East](#).

Google: High Memory N1 Standard Intel 13GB/Core, [GCP Northern Virginia](#).

Configuration: 100 OCPUs, 1 TB Storage.

Performance and price comparison

30TB TPCH, HeatWave is **faster and cheaper** than all the competitive database services

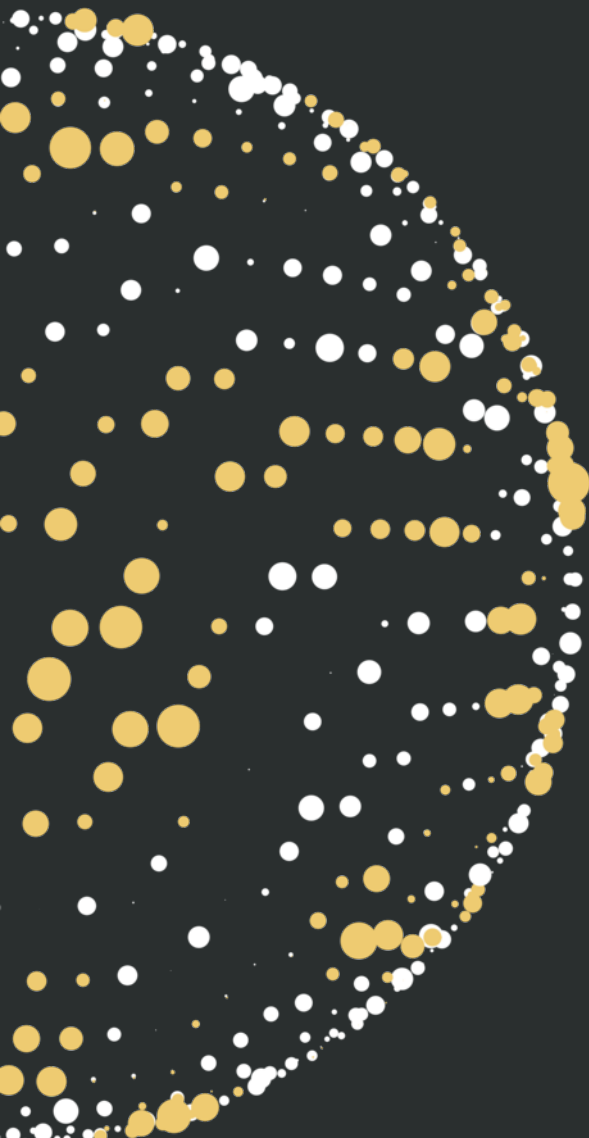


3rd party numbers derived from Gigaom report of Oct 2020

Using PAYG pricing for Snowflake. Other prices are based on 1 year pricing

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





Benchmarks & TCO Savings

5400x Faster than RDS

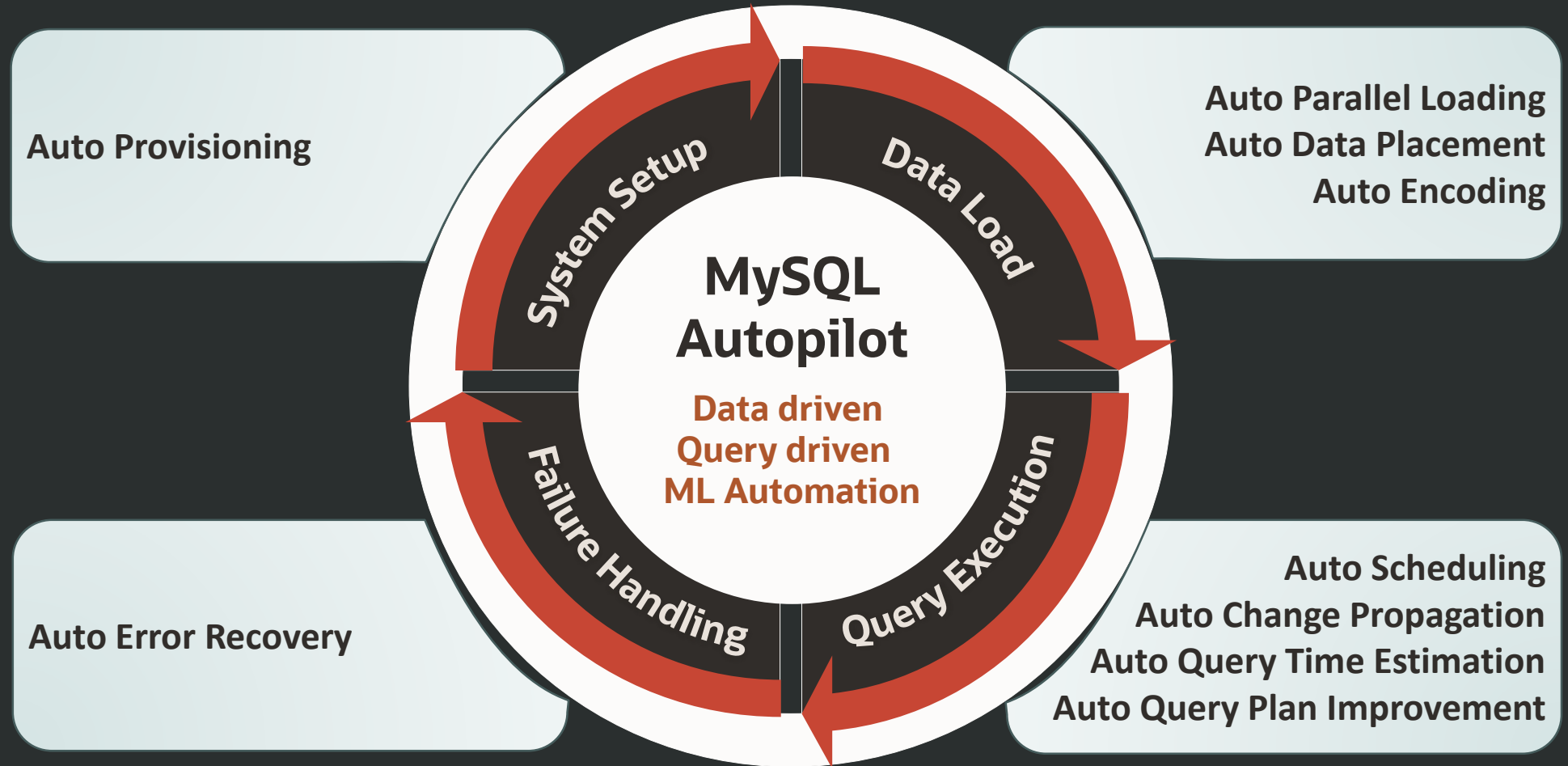
1400x Faster than Aurora

6.5x Faster than Redshift AQUA

7x Faster than Snowflake

MySQL Autopilot Features

Machine learning based automation



MySQL Database Service: High Availability

Fault-tolerant system with automatic failover and zero data loss

- Single Click High Availability
- Automatic Failover
- Increased Uptime
- Zero Data Loss

- Recover Time Objective (RTO): Minutes
- Recovery Point Objective (RPO): Zero

Create MySQL DB System

Standalone

Single-instance MySQL DB System

High Availability

Run 3-node MySQL DB System providing automatic failover and zero data loss





PRACTICE

Launch MySQL DB-Systems

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Host for MySQL Shell

Enable Heatwave Cluster

My First OAC Dashboard





Test Drive MySQL Database Service For Free Today

Get **\$300** in **credits** and try
MySQL Database Service
free for **30 days**.

<https://www.oracle.com/mysql/free/>

