

# DBRE: Data Engineering

MySQL Database Service & HeatWave to run Analytics



Alexandre Fagundes

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**



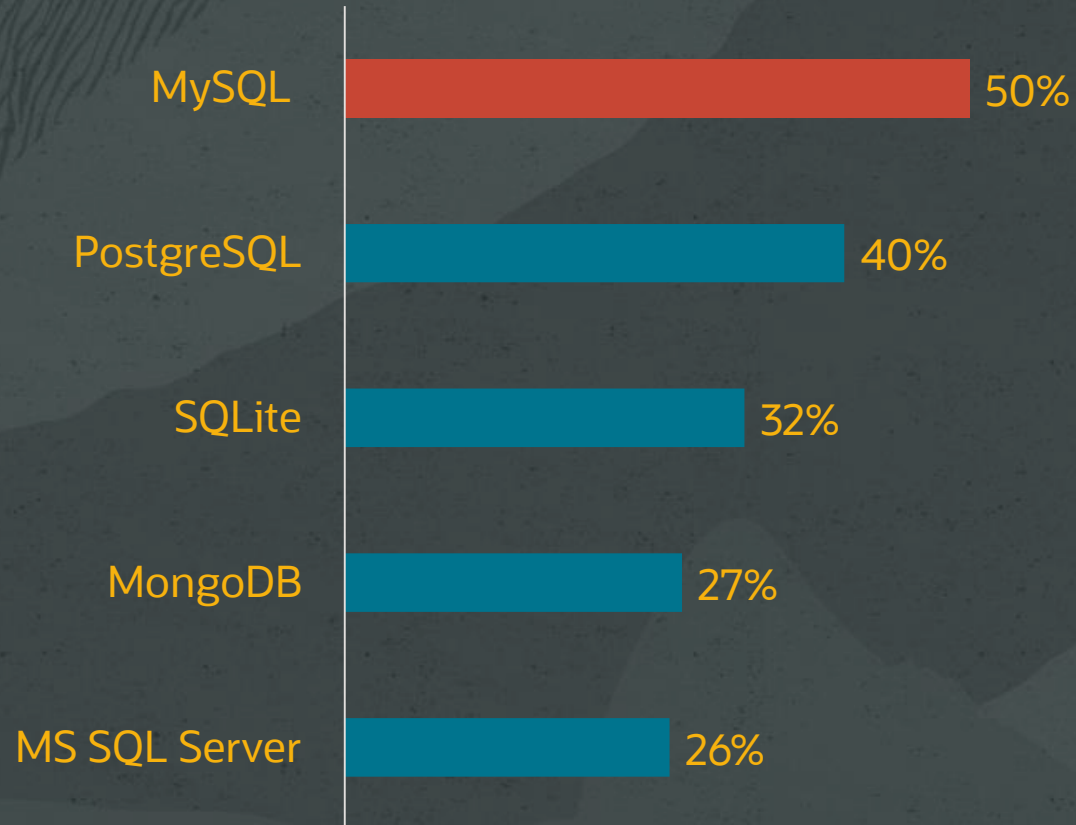


# MySQL DB-Systems



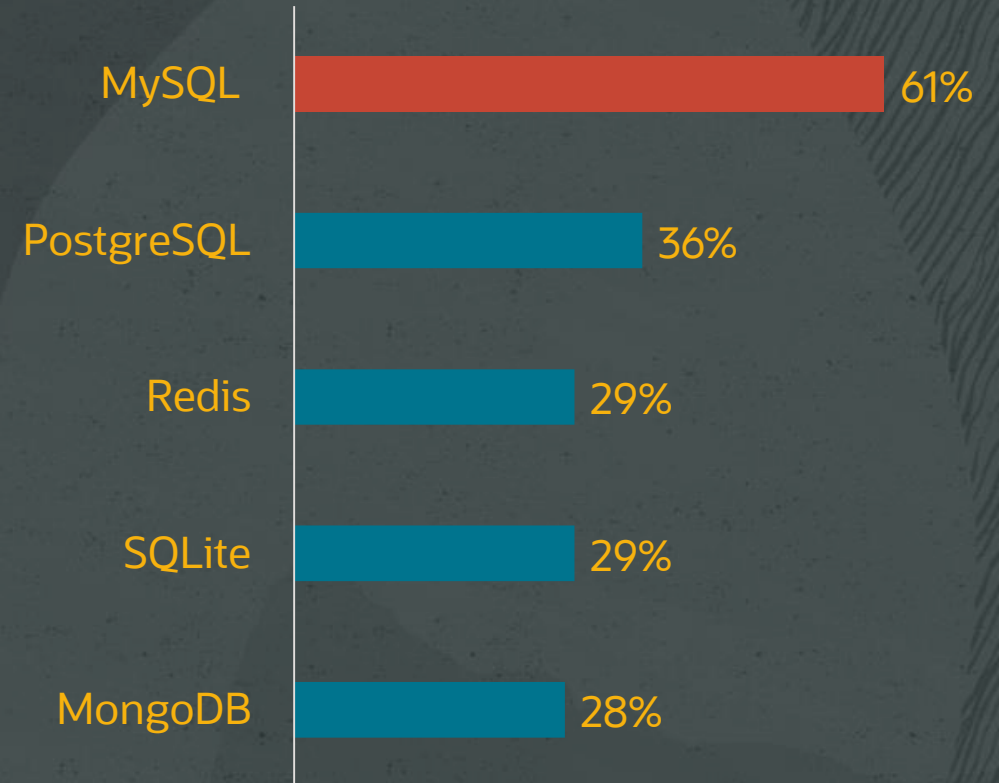
# MySQL is the most popular database for developers

## 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

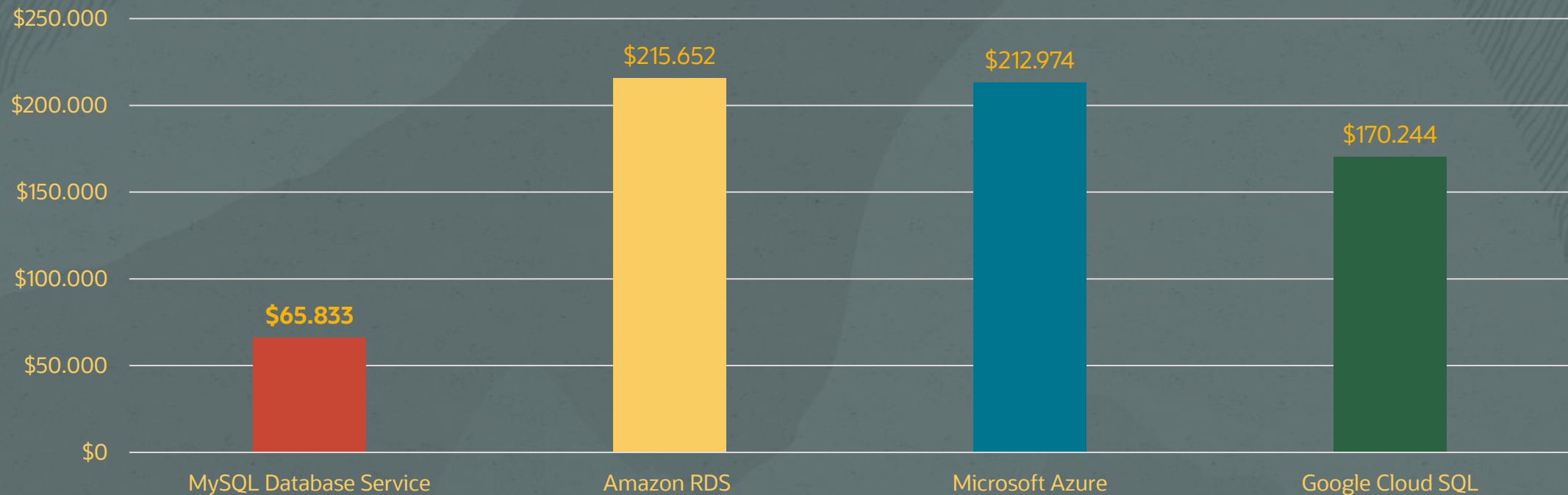


TOYOTA



# 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](#).

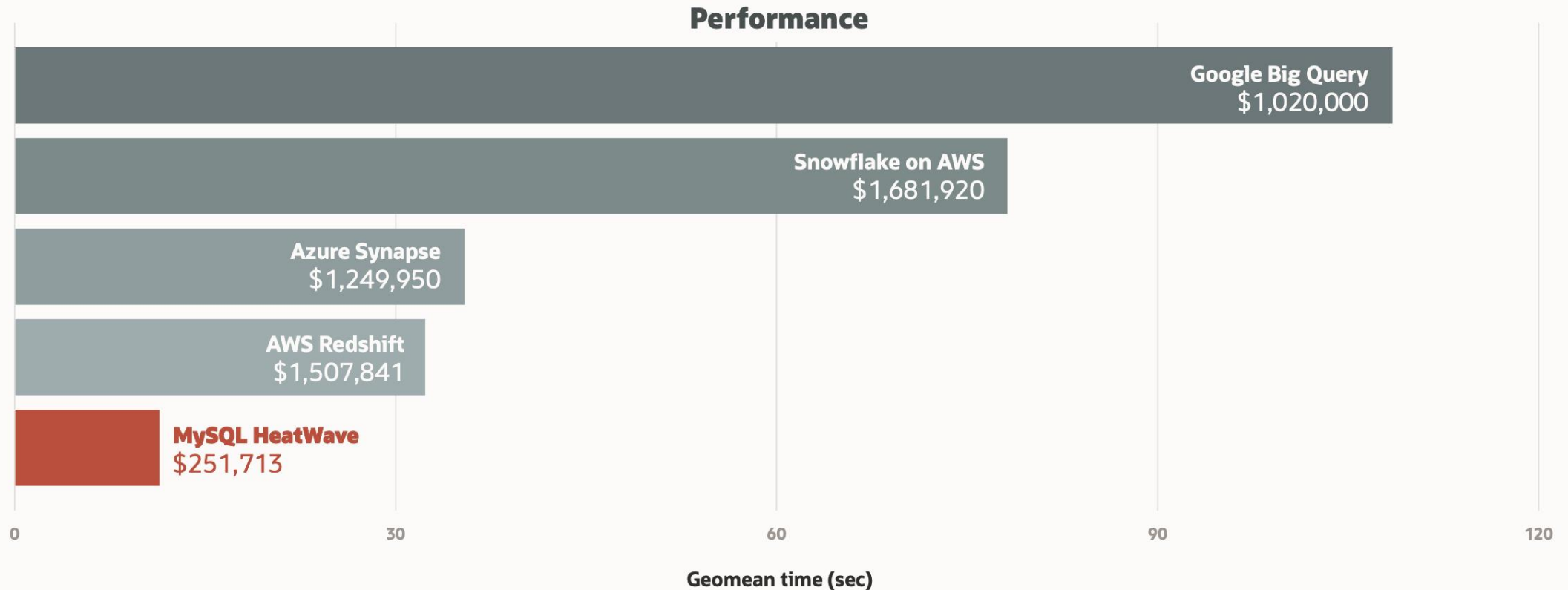
Google: High Memory N1 Standard Intel 13GB/Core, [GCP Northern Virginia](#).

Configuration: 100 OCPUs, 1 TB Storage.



# Performance and price comparison

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

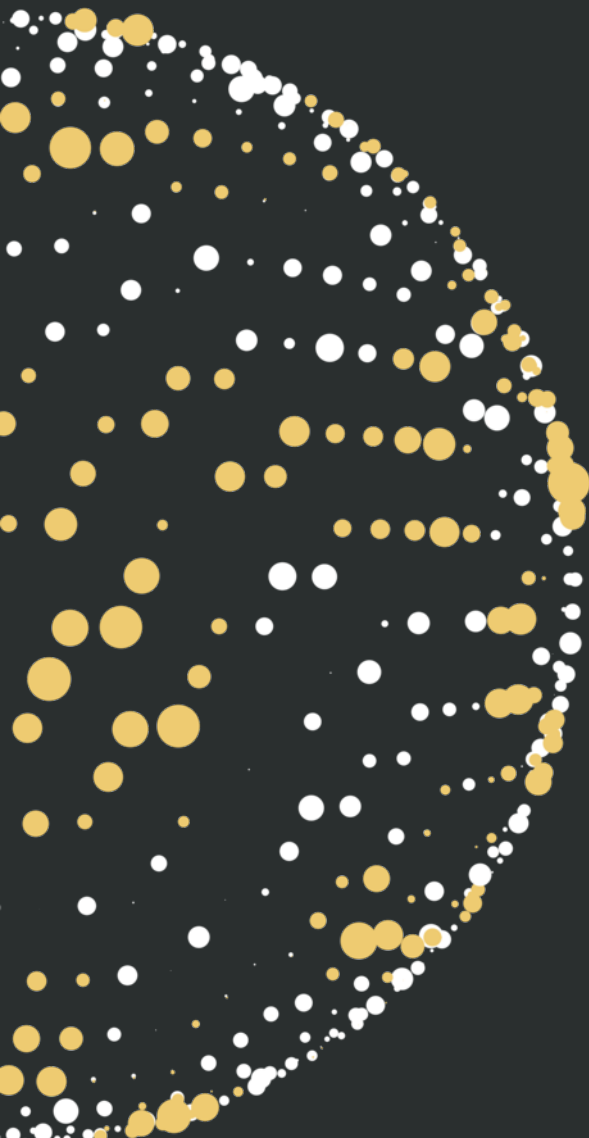


3rd party numbers derived from Gigaom report of Oct 2020

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**

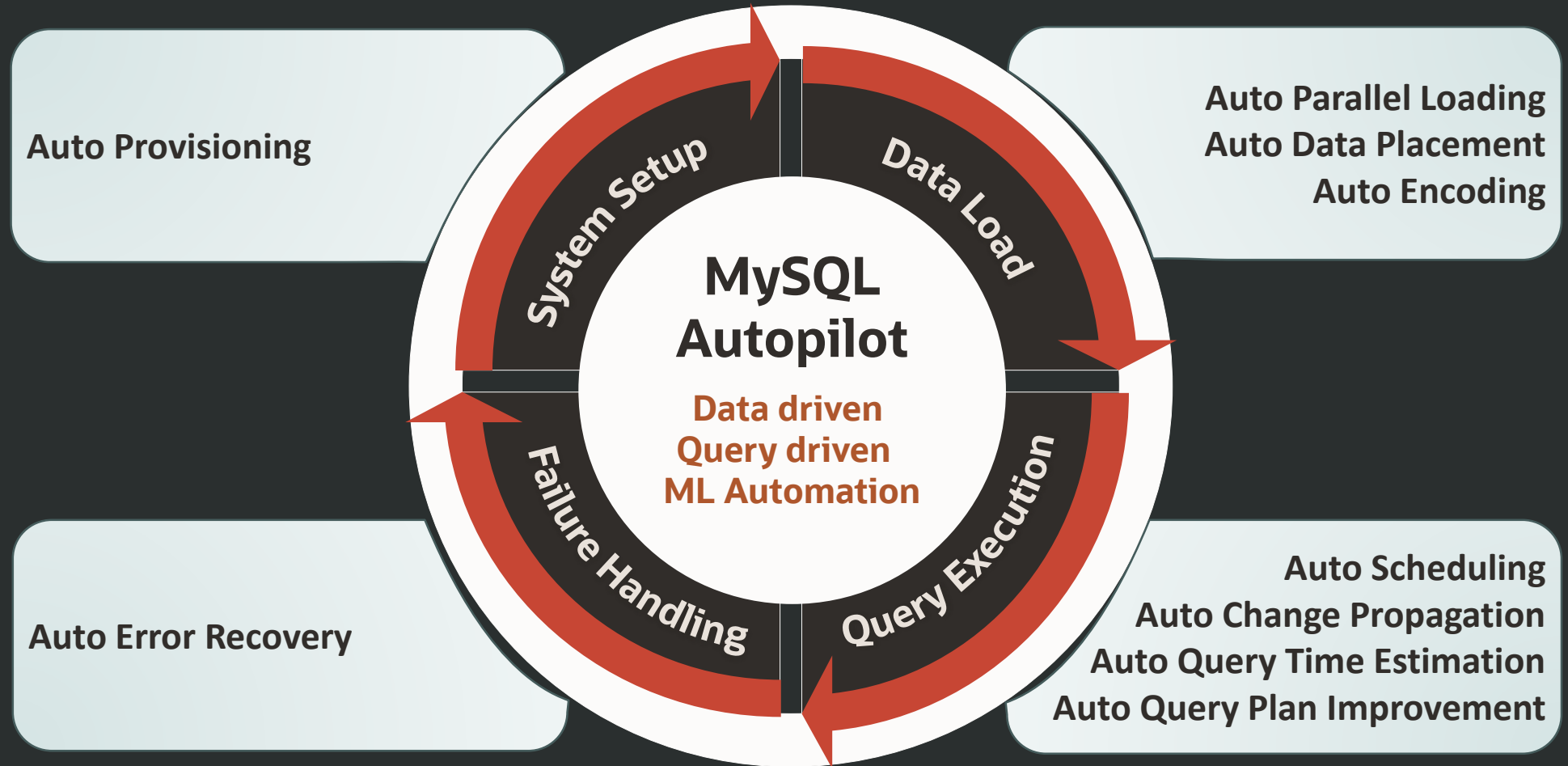
**1400x Faster than Aurora**

**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

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# 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/>







**Feedback/Comments/Ask for help**

[alexandre.af.fagundes@oracle.com](mailto:alexandre.af.fagundes@oracle.com)

# Thank you

