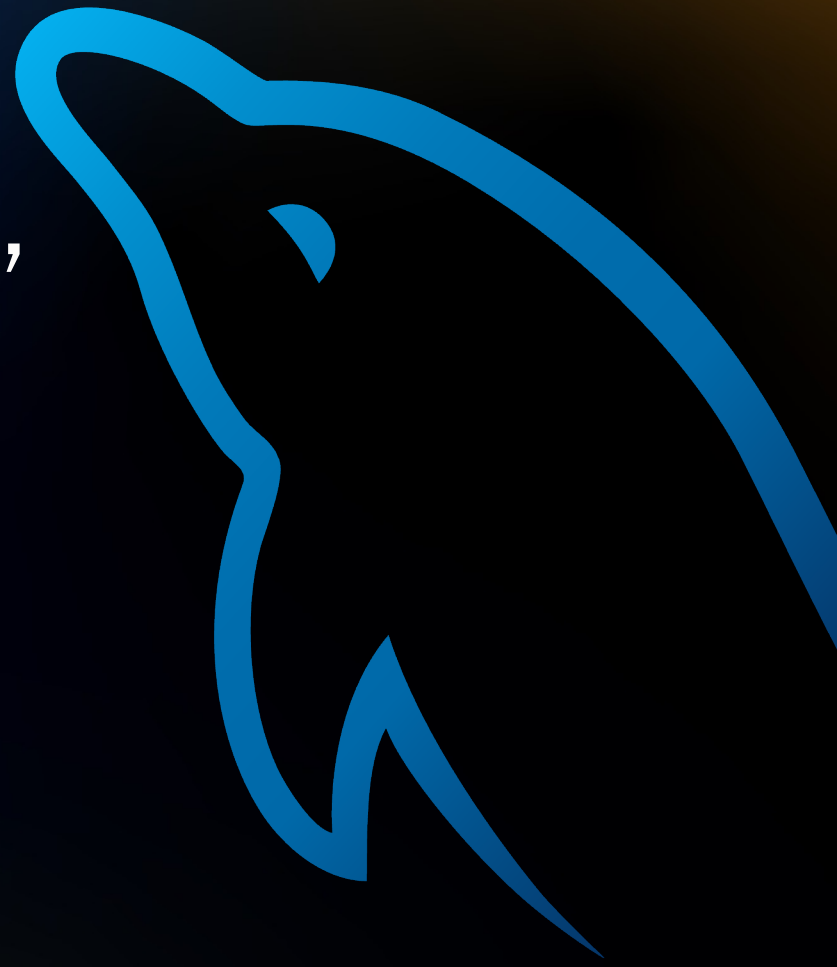
ORACLE DevLive | Level Up | MySQL Summit

Accelerate Web, Ecommerce, and OLTP Applications with MySQL HeatWave



Airton Lastori
MySQL Product Manager
Oracle

Innovative organizations across many industries run MySQL

Social

E-Commerce

Tech

Finance

Manufacturing

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MySQL powers open source applications

Custom Apps Development

Content management and eCommerce

Learning platforms

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MySQL HeatWave

Fully-managed database service

- **Productivity**
  - High-availability & Scalability
  - Backups & Restores
  - Security & Compliance
  - Patching & Upgrades
- Unbeatable **price/performance**
- Developed and operated by the **MySQL engineering team**
- **Enterprise Edition** and **Premier Support** included

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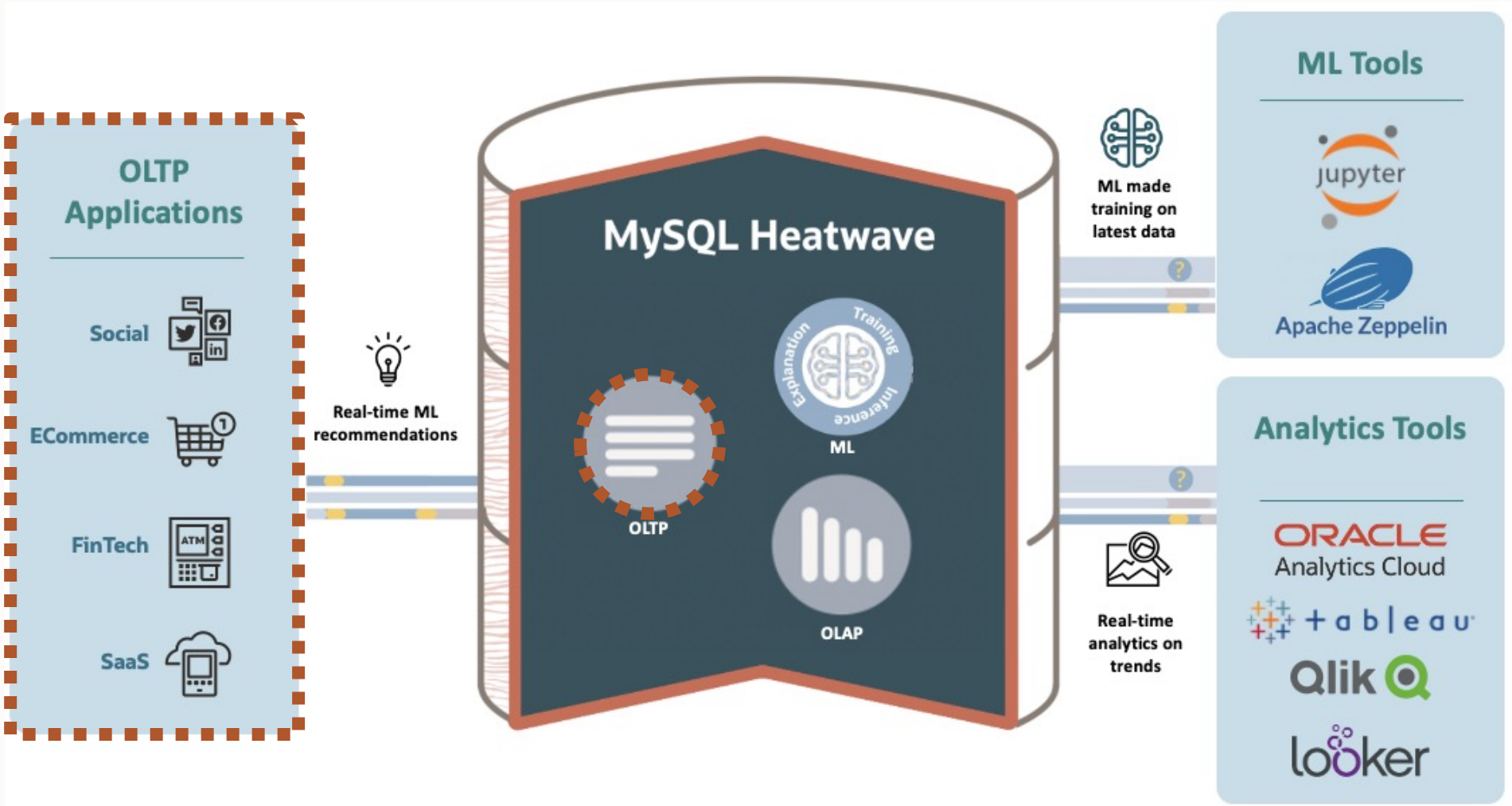
Architectures

One database service for transactions, analytics, and machine learning



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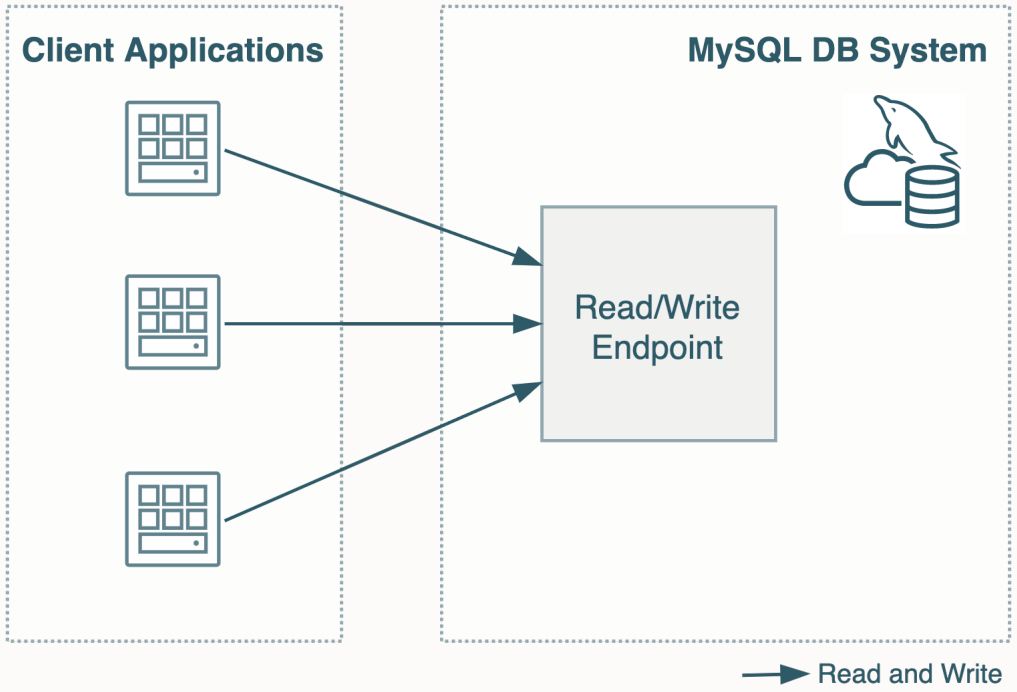
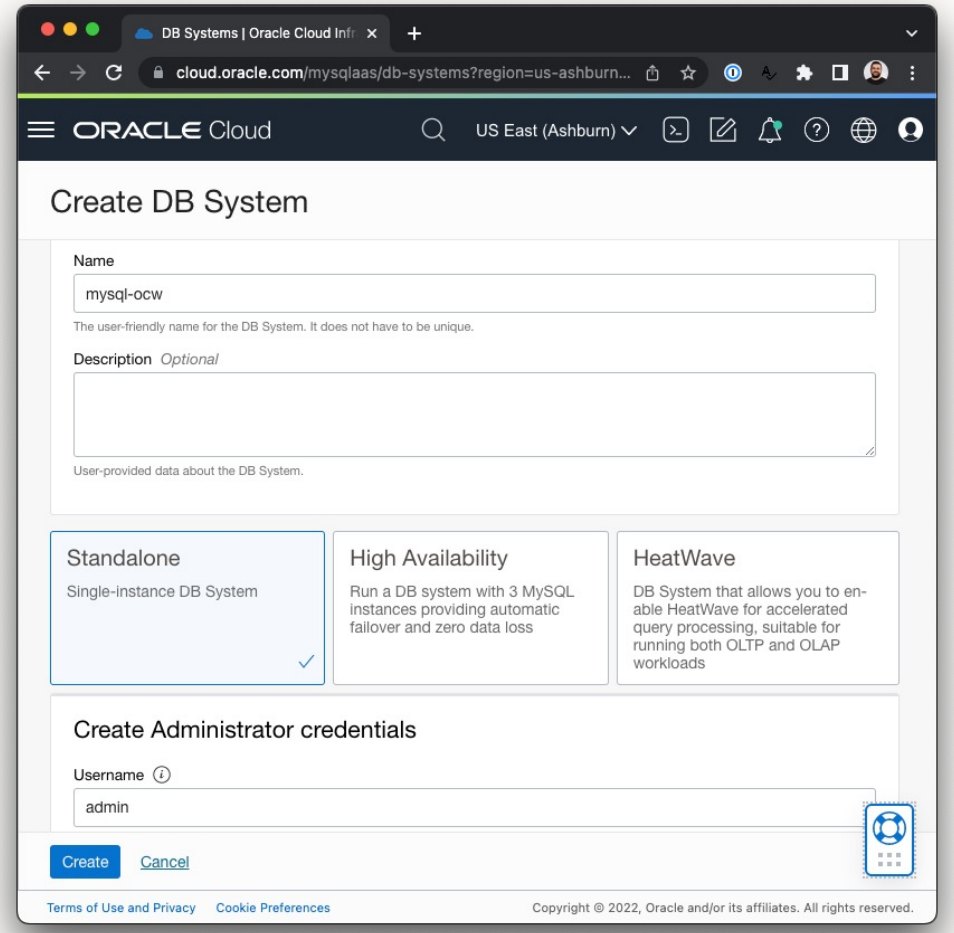
MySQL DB system





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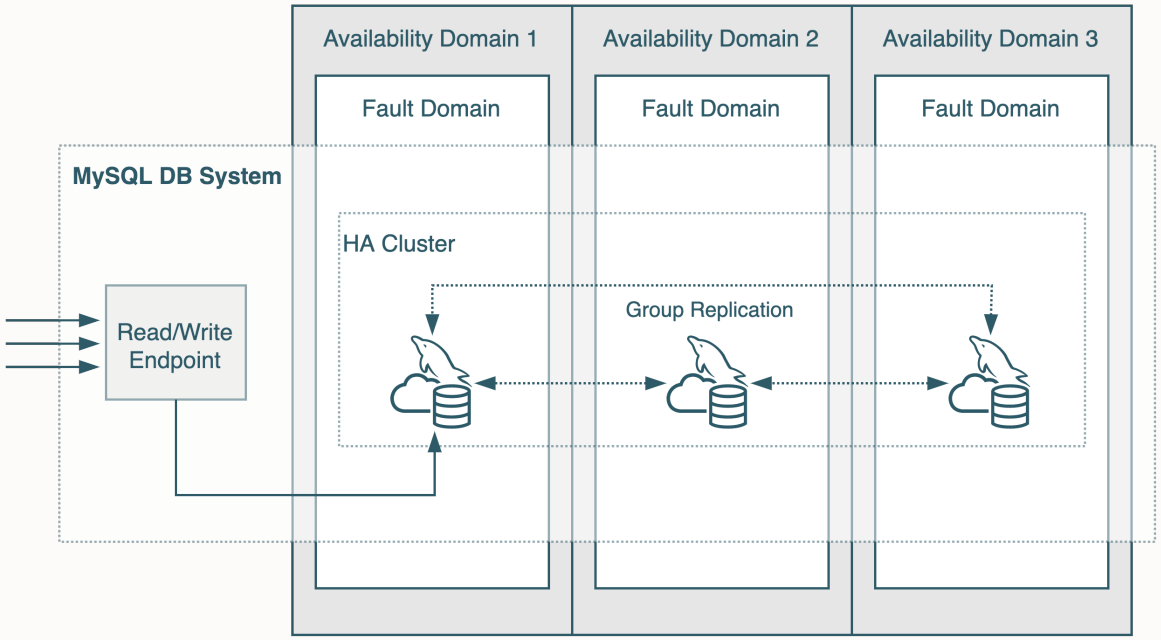
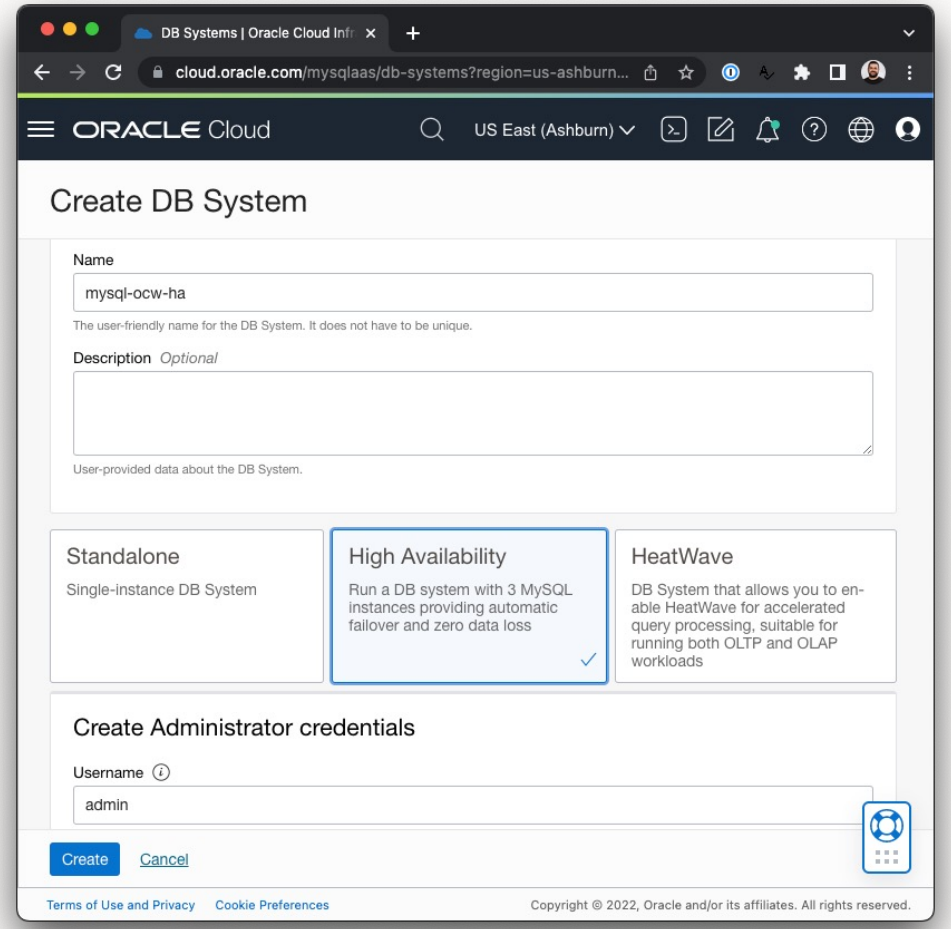
High Availability
Single-click





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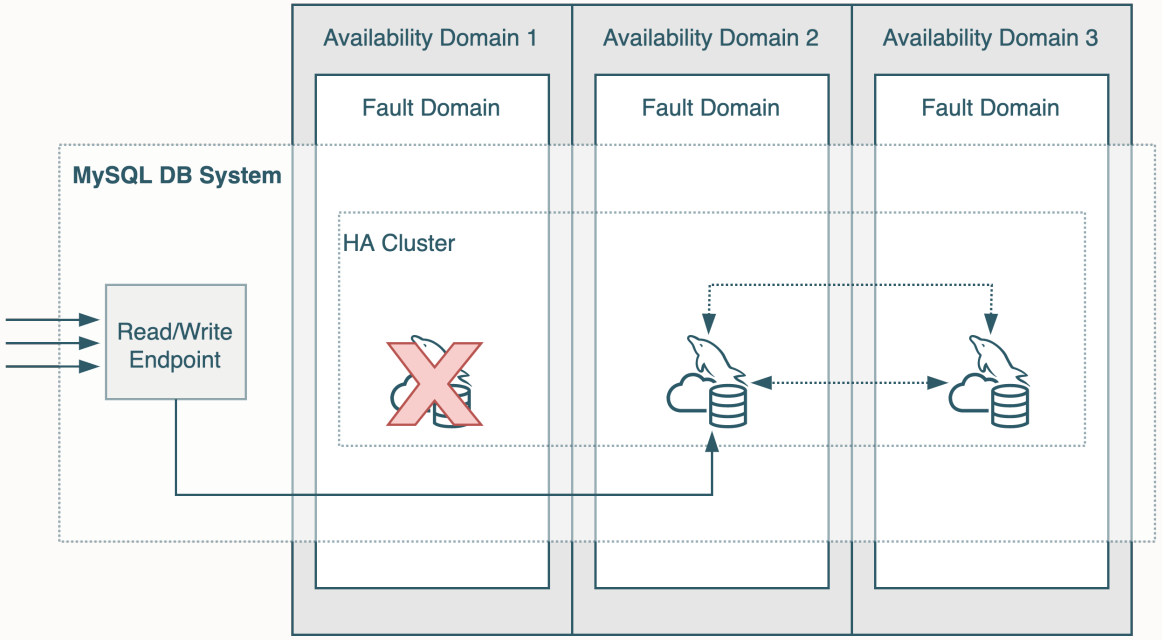
High Availability
Single-click



- SLA **99.99**%
- Automatic failover
- Zero Data Loss during failure event
- Option to manually switch-over
- Rolling upgrades during maintenance

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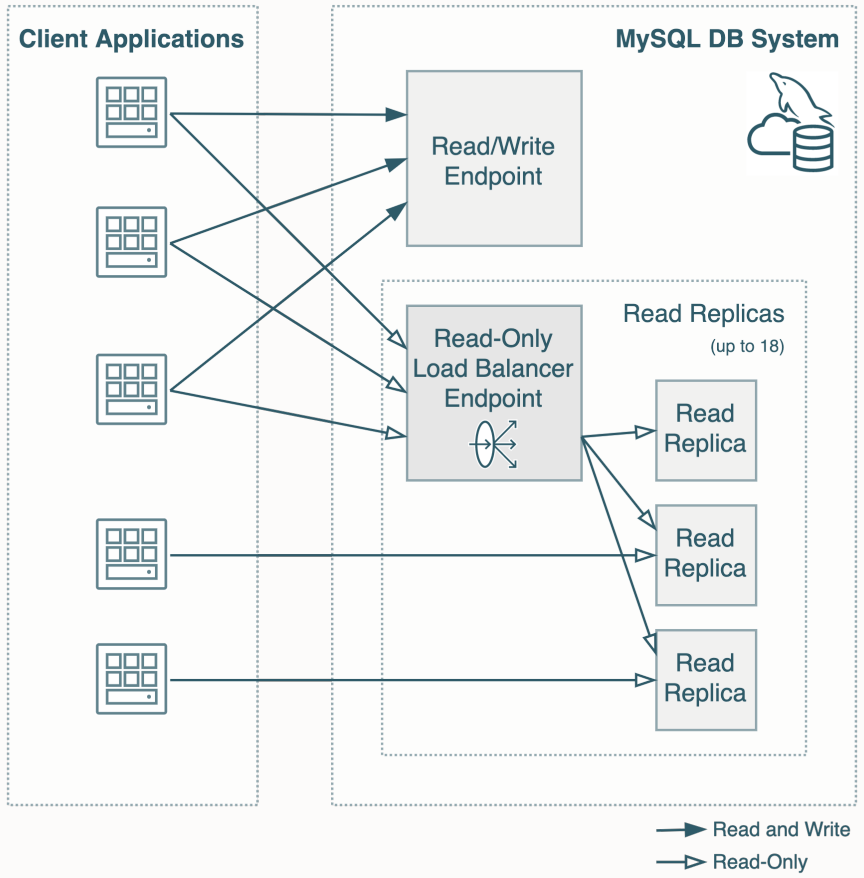
Read Replicas

Scale Read Workloads



- Increase capacity for read-intensive workloads
- Add and remove Read Replicas for horizontal elasticity
- Easy to deploy and maintain
- Built-in Load Balancer for the read-only endpoint
- HA Cluster is ready for switchover or failover

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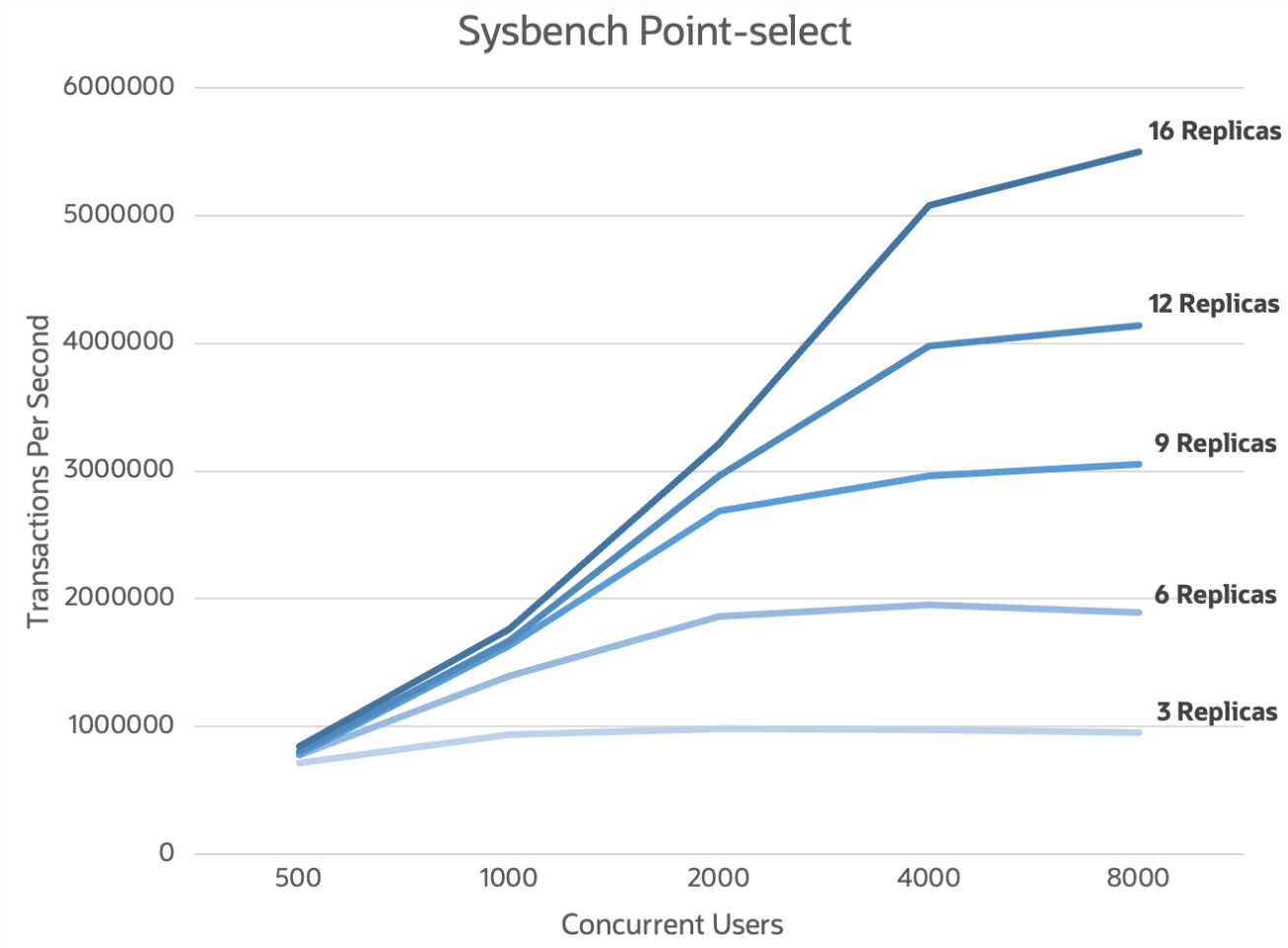
Read scalability



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DB system Inbound and Outbound Replication

Cross-region replication

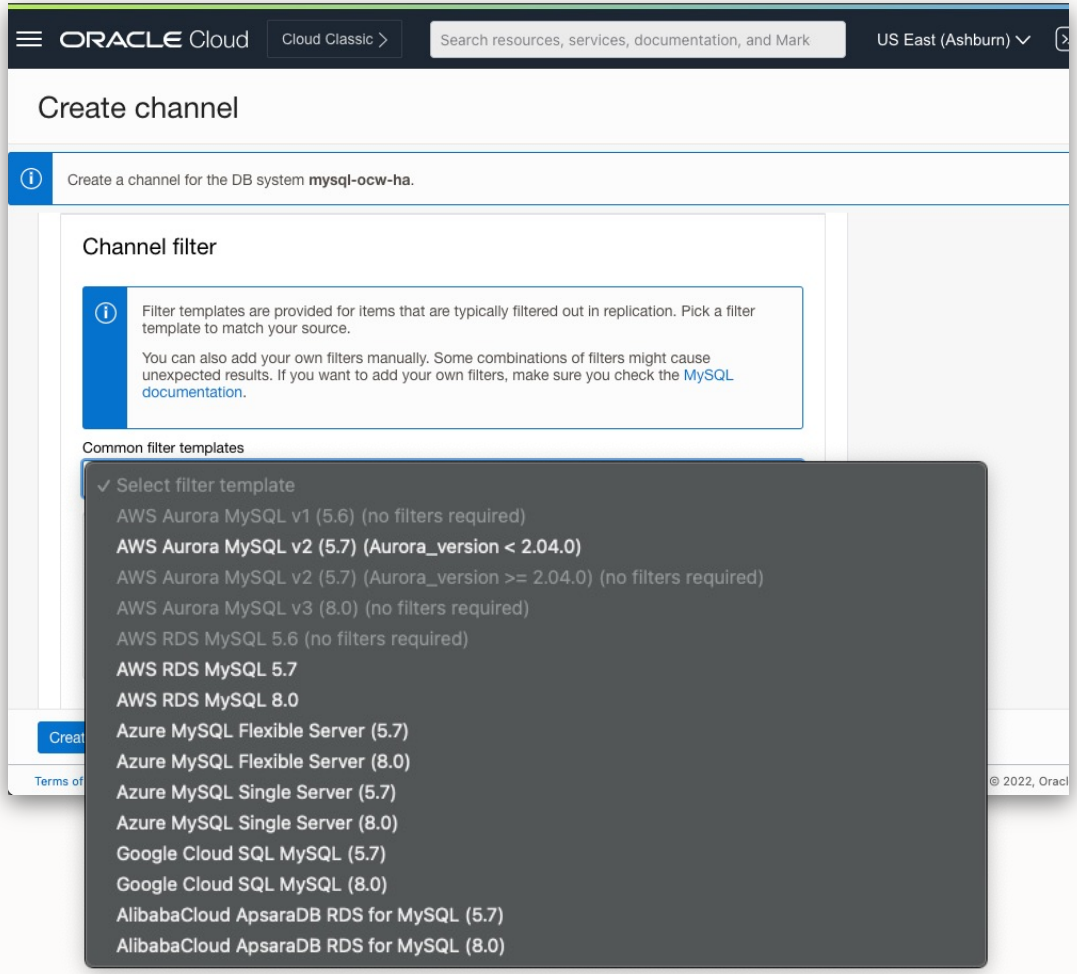
- DB System to DB System

Live Migrations

- Minimize downtime

Hybrid deployments

- On-premises and other cloud vendors
- Disaster Recovery
- Capacity bursting
- HeatWave for Analytics, ML, Lakehouse



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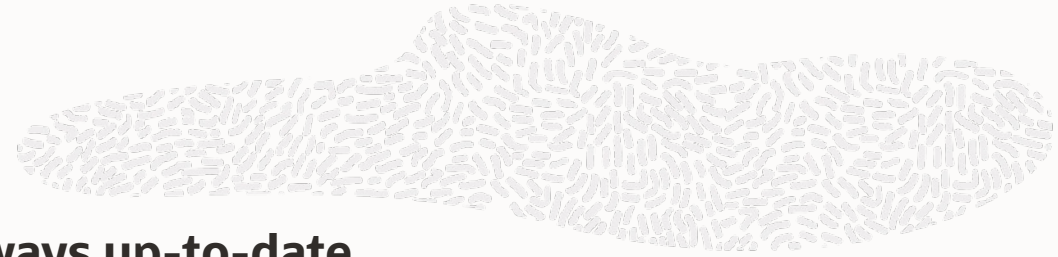
Security, Patches and Upgrades



Always Secure

- Enforces use of private networks and security lists
- Always encrypted
- Enterprise Data masking functions
- Enterprise Encryption functions
- Identity federation
- Public API audit
- Password policy validation
- Connection control against brute force attacks attempting to guess MySQL login credentials

Always up-to-date

- Latest MySQL Server patches in the same day or earlier
- Automatic upgrades
- Rolling upgrades
- Long-Term Supported (LTS) releases *Coming soon*

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Demo

Service links

PINNED

- Instances Compute
- Virtual Cloud Networks Networking

RECENTLY VISITED

You haven't visited anything yet.

RECOMMENDED - Customize

- Groups Identity
- Policies Identity
- Tenancies Organization Management
- Buckets Object Storage & Archive Storage
- Autonomous Database Autonomous Database
- Logging Logging

Quickstarts

View my deployments

FEATURED

Predict the result of the next race

25-30 mins

APPLICATION DEVELOPMENT

Deploy a WordPress website

6-8 mins

APPLICATION DEVELOPMENT

Deploy a low-code app on Autonomous Database using APEX

3-5 mins

APPLICATION DEVELOPMENT

Deploy RStudio in a container

10-12 mins

APPLICATION DEVELOPMENT

Deploy a baseline landing zone

7-9 mins

DATABASE

Visualize and analyze Strava data on Autonomous Database

2-4 mins

Your tenancy
mdspm

All services operational
View health dashboard

Cost savings opportunities

Estimated savings: 0

View recommendations (38)

OCI mobile app

Review alarms, access billing and usage data, and manage resources on the go.

Install now

Get early access to OCI features

Try out upcoming features and share your feedback

Join preview program

What's new

Pipelines and pipeline runs are introduced.
Jan 25, 2023

Management Agent Enhancements
Jan 23, 2023

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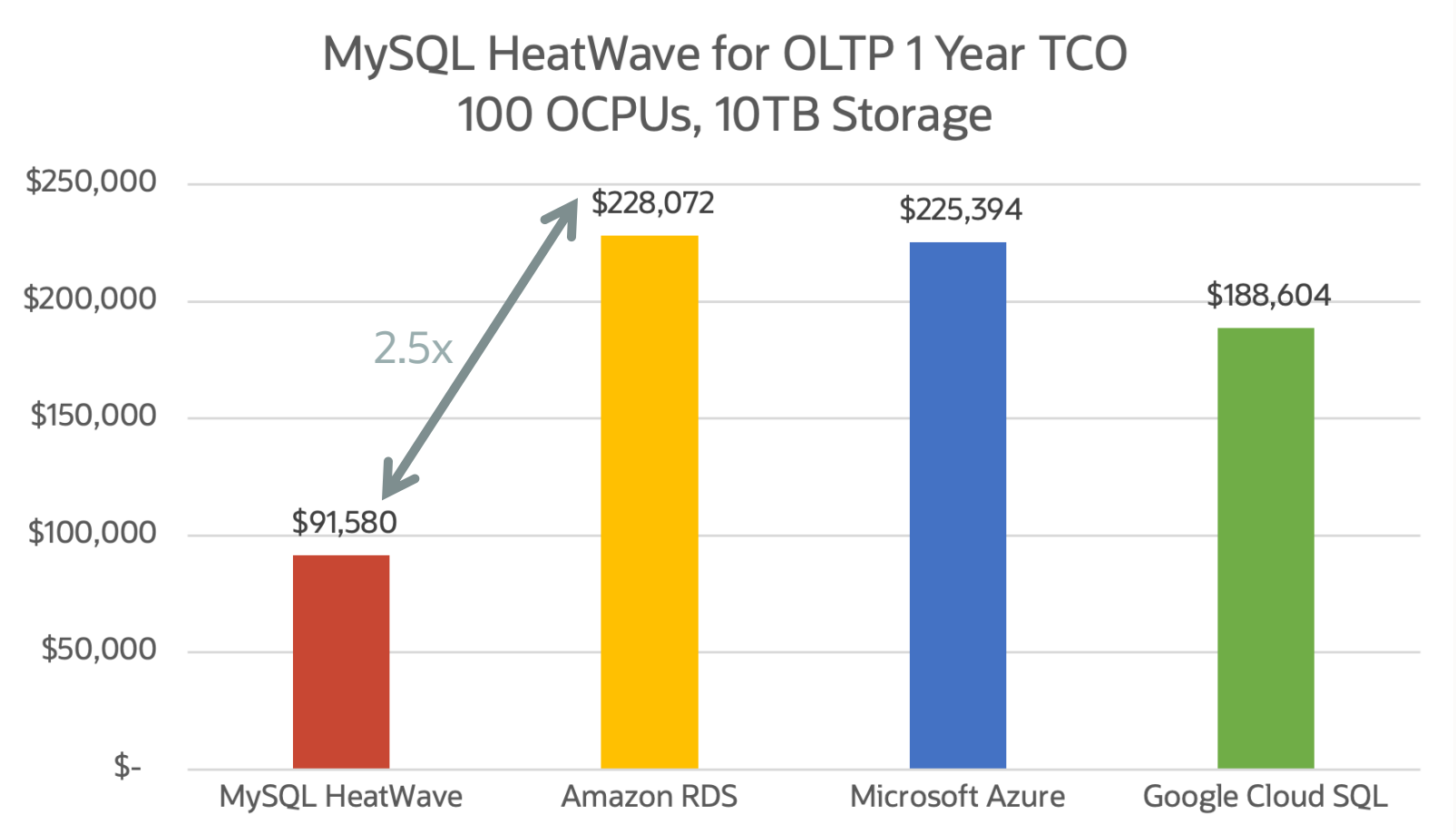
Wrap-up

Unbeatable price/performance



MySQL HeatWave Standard X9 Intel 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.

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The MySQL team as part of your team

Oracle Premier Support included

Service Operations by the MySQL developers

MySQL Enterprise Edition included

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Get started with MySQL HeatWave

Get $300 in credits and try free for 30 days

» **oracle.com/mysql/free**

MySQL HeatWave

Learn more about MySQL HeatWave

» **oracle.com/mysql**

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Thank you!

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MySQL HeatWave Cloud Service

100% developed, managed, and supported by Oracle

	Automation	MySQL HeatWave
Database	High Availability	✓
	Read Replicas	✓
	Backup	✓
	Query Acceleration	✓
	AutoPilot	✓
	AutoML	✓
	Security Patch & Upgrade	✓
	Provision & Configure	✓
OS	OS Security Patch & Upgrade	✓
	OS Installation	✓
Server	Hardware Provisioning & Maintenance	✓
Storage	Storage Provisioning & Maintenance	✓
Data Center	Rack & Space	✓
	Power, HVAC, Networking	✓

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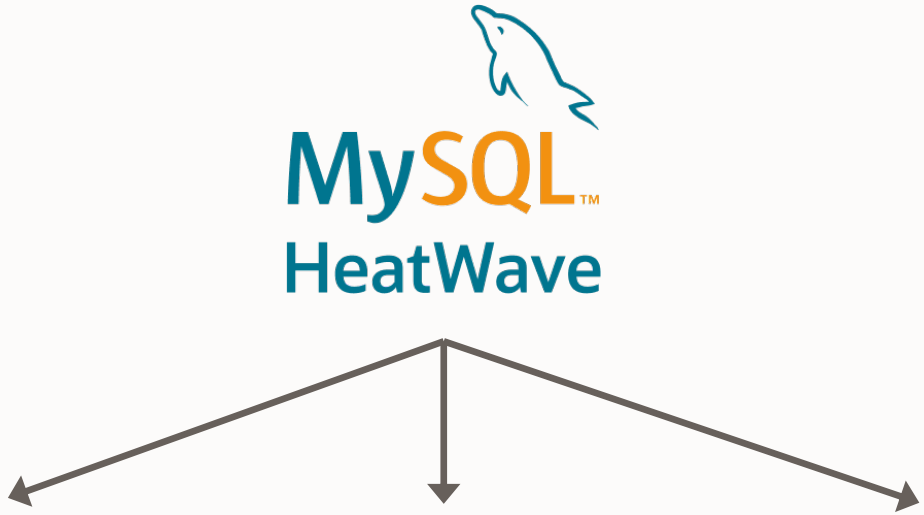
Available in Public Clouds



ORACLE CLOUD Infrastructure

aws

Optimized to deliver the best price performance in each cloud

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35 Regions

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