



**OPENWORKS**

**BE UNSTOPPABLE**



# OPENWORKS

**LEVELING THE PLAYING FIELD FOR  
STARTUP AND SMALL BUSINESS DATA-  
DRIVEN OPS WITH SKYSQL**

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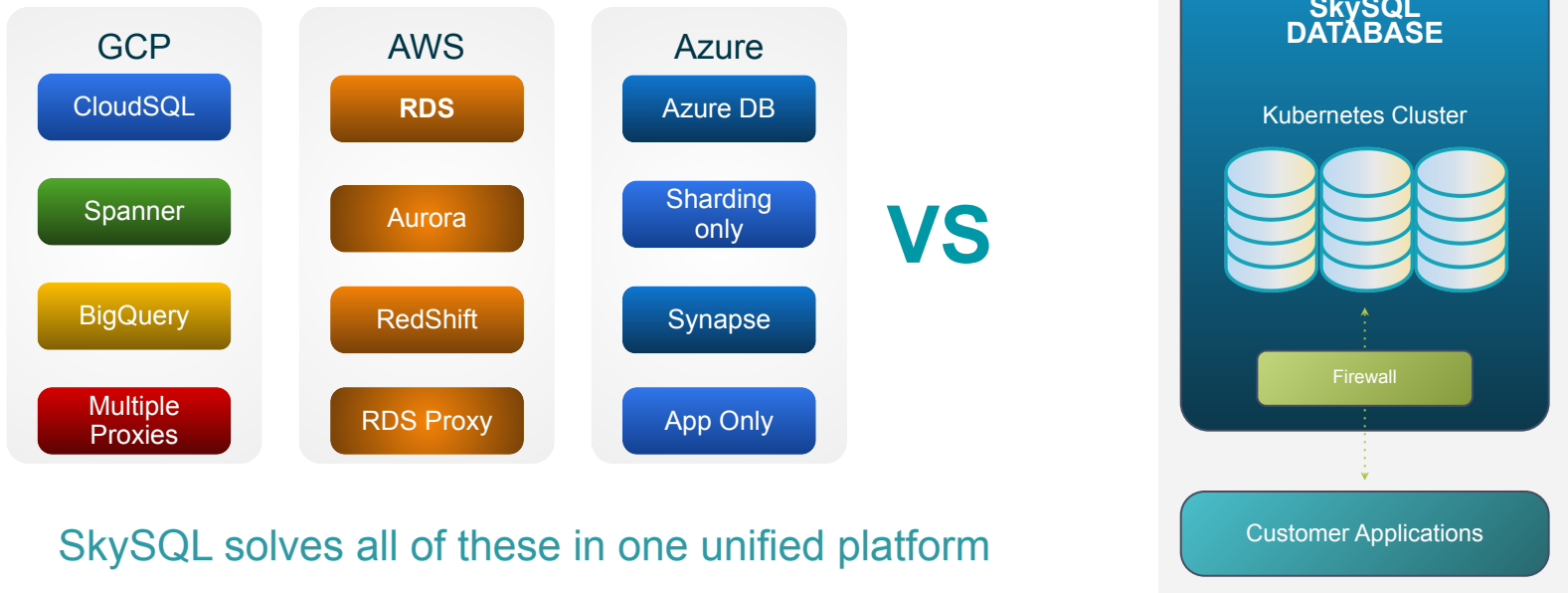
# CHALLENGES FOR SMBS

- Managing Expansion
- Remaining Competitive in the Market
- Financial Planning
- Skill and Talent Shortages
  - Finding a good IT staff and retaining those people can be next to impossible

# IDENTIFYING IT PAIN

- Lack of resources or budget
  - Many know what is needed but simply cannot make their infrastructure do it
- SaaS offerings
  - SaaS can help provide the perfect solution but almost always introduce a silo into the management of that
- Open Source Directives
  - Many companies have a desire for open source software but must have support for critical applications
- Proprietary Lock-in
  - Being stuck with a proprietary software and the ever growing bills associated with that

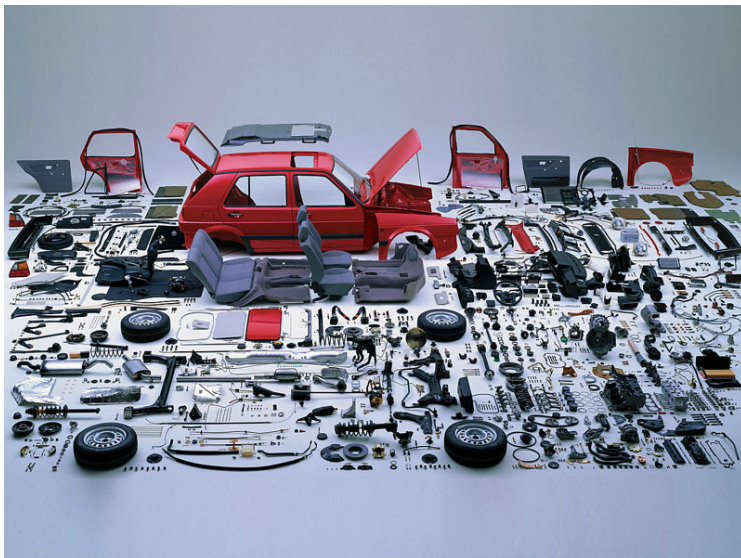
# HYPERSCALE SILOS



SkySQL solves all of these in one unified platform

- Transactional, Analytical, Distributed SQL, Serverless Analytics, True HA and Scale, Monitoring, Reporting: in each Hyperscaler

# DIY BUILD vs PreBUILT



VS



# SKYSQL DBAAS

## Enterprise Server

The only MariaDB DBaaS running on MariaDB Enterprise server and the only DBaaS to have Xpand.

## Any Workload

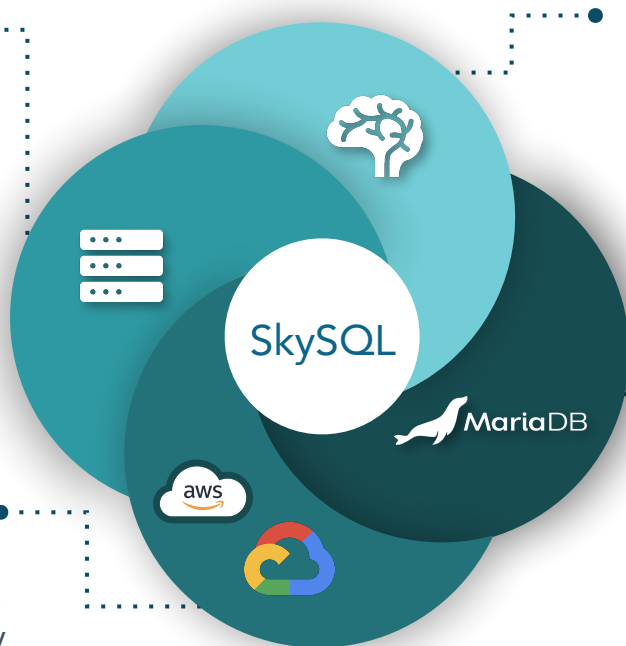
The first DBaaS to support transactional (OLTP), analytical (OLAP), and distributed SQL workloads with massive scaling.

## Any Cloud

Deployable in AWS and Google Cloud, with hybrid and multi-cloud capabilities across 20+ regions globally

## Only MariaDB

The only MariaDB cloud offering built, operated and supported by MariaDB Corporation



# REPLACED MARIADB COMMUNITY SERVER WITH ENTERPRISE SERVER ON SKYSQL



## BACKGROUND



Fulfillment and logistics for major retailers including Starbucks, Goodyear, and Amazon



Rapid growth in business drives continuous scaling

## CHALLENGE



Rackspace failing every 24 hours



Holiday season traffic bursts

## SOLUTION



Migrated days before Black Friday without outages or issues to SkySQL

## BENEFITS



Continuous uptime and scalability

## 100 DBs

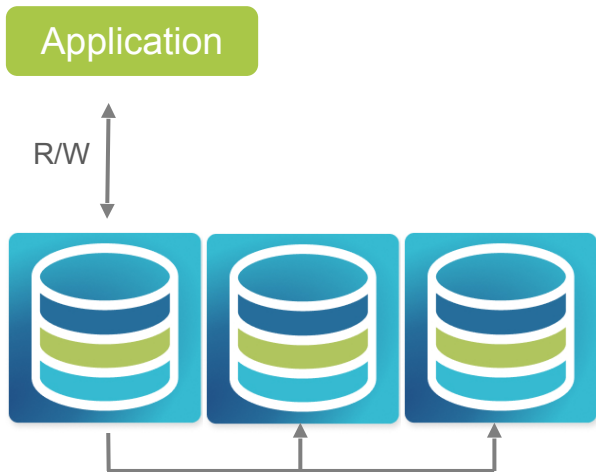
Consolidated 100 DBs reducing complexity while alleviating the DBA burden





## XPAND - DISTRIBUTED SQL

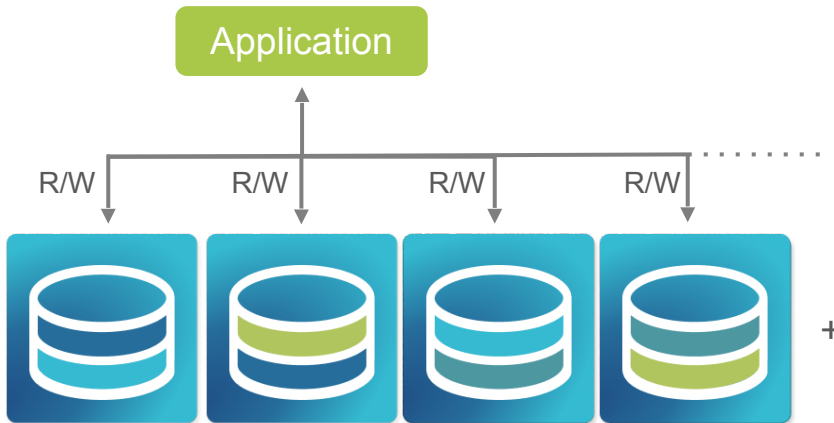
### TRADITIONAL CLOUD DATABASE TOPOLOGY



- Write scale limited by primary instance size
- Read Write Splitting and failover available if properly set up

VS

### XPAND DISTRIBUTED TOPOLOGY



- Can read and write to any node
- Massive scale for dynamic workloads

# CAMPUS CLOUD MANAGES ALL STUDENT DATA WITH MARIADB SKYSQL ON GOOGLE CLOUD

## BACKGROUND



Formerly Campus Cloud, a cloud-based Student Information Systems Provider



Cloud solution that manages all student data in one place – across admissions, academics, financial aid, accounts and billing, graduation and career placement

## CHALLENGE



Support over 100K students during peak use periods e.g., class enrollment, admissions



On-premise, in-house support of existing platform deficiencies exposed during Covid-19

## SOLUTION



Selected MariaDB SkySQL on GCP for Enterprise-grade Open Source with SkyDBA support



**Key decision factors:** HA, Dynamic scalability, security, zero-downtime, SkyDBAs

## BENEFITS



Improved connectivity with key learning management systems: Canvas, Moodle, Brightspace



Lift-and-shift, given they were running MariaDB on-premises, so up and running during the pandemic

## NEXT STEPS

Check out these sources  
to learn more about  
MariaDB

- **Try the full SkySQL service including ticketed support with \$500 credit**
  - <https://mariadb.com/skyview>
- **Join the MariaDB Community Slack**
  - <https://r.mariadb.com/join-community-slack>
- **Try Xpand on Docker**
  - <https://hub.docker.com/r/mariadb/xpand-single>



**THANK YOU**

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