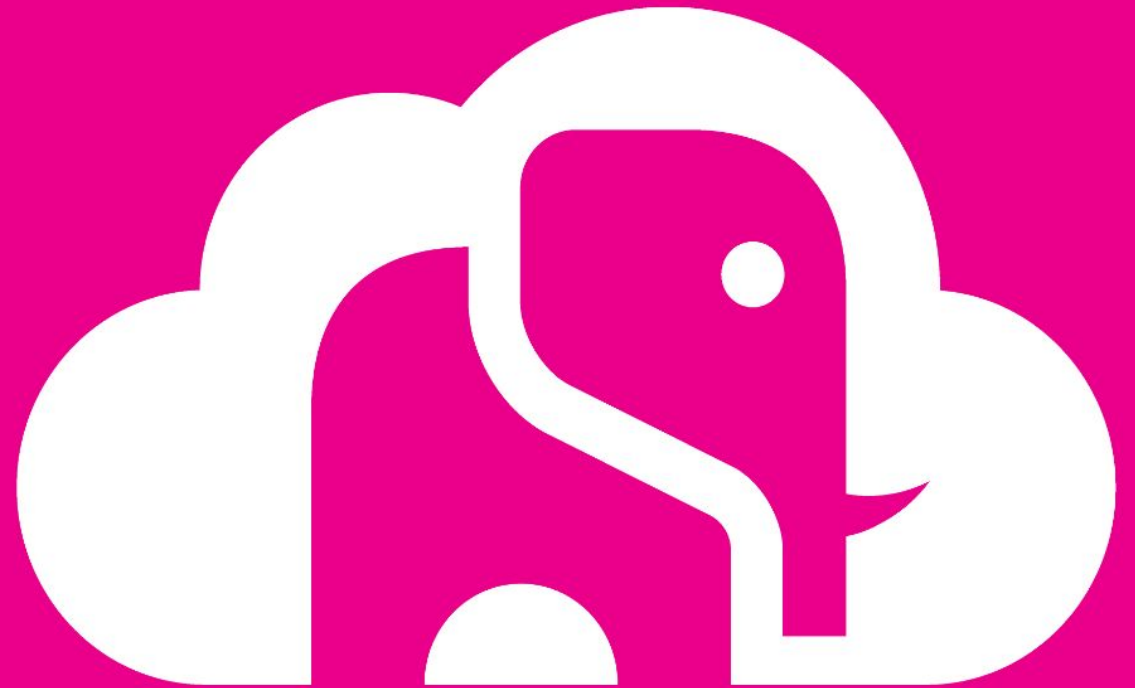


# New options for moving Oracle databases to the cloud

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**You've got Oracle workloads and you  
want to move to cloud.**

**What do you need to consider?**

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# Oracle in the Cloud

What's available today for Oracle in the cloud?



Fully managed database services available on OCI, including RAC and Exadata



Multiple fully managed services available, Amazon RDS for Oracle and Amazon RDS Custom for Oracle



Connect to Oracle database workloads from Microsoft Azure via Interconnect



# Limitations with current Oracle cloud options

- **No support for RAC on non-Oracle clouds**
  - More sophisticated enterprise workloads can't migrate to cloud
  - Potential lock in with a single cloud vendor
- **Lack of choices and lock in**
  - Fully managed database services for Oracle are not widely available across all public clouds
  - If you continue to run Oracle databases on OCI or another CSP's IaaS you will still face the same challenges with high license costs and rigid contracts
  - Privy to Oracle making [license changes](#) at their whim
- **Limited innovation**
  - Major cloud vendors treat Oracle as a lift and shift target - more innovative models like serverless are being delivered on PostgreSQL and other open-source databases



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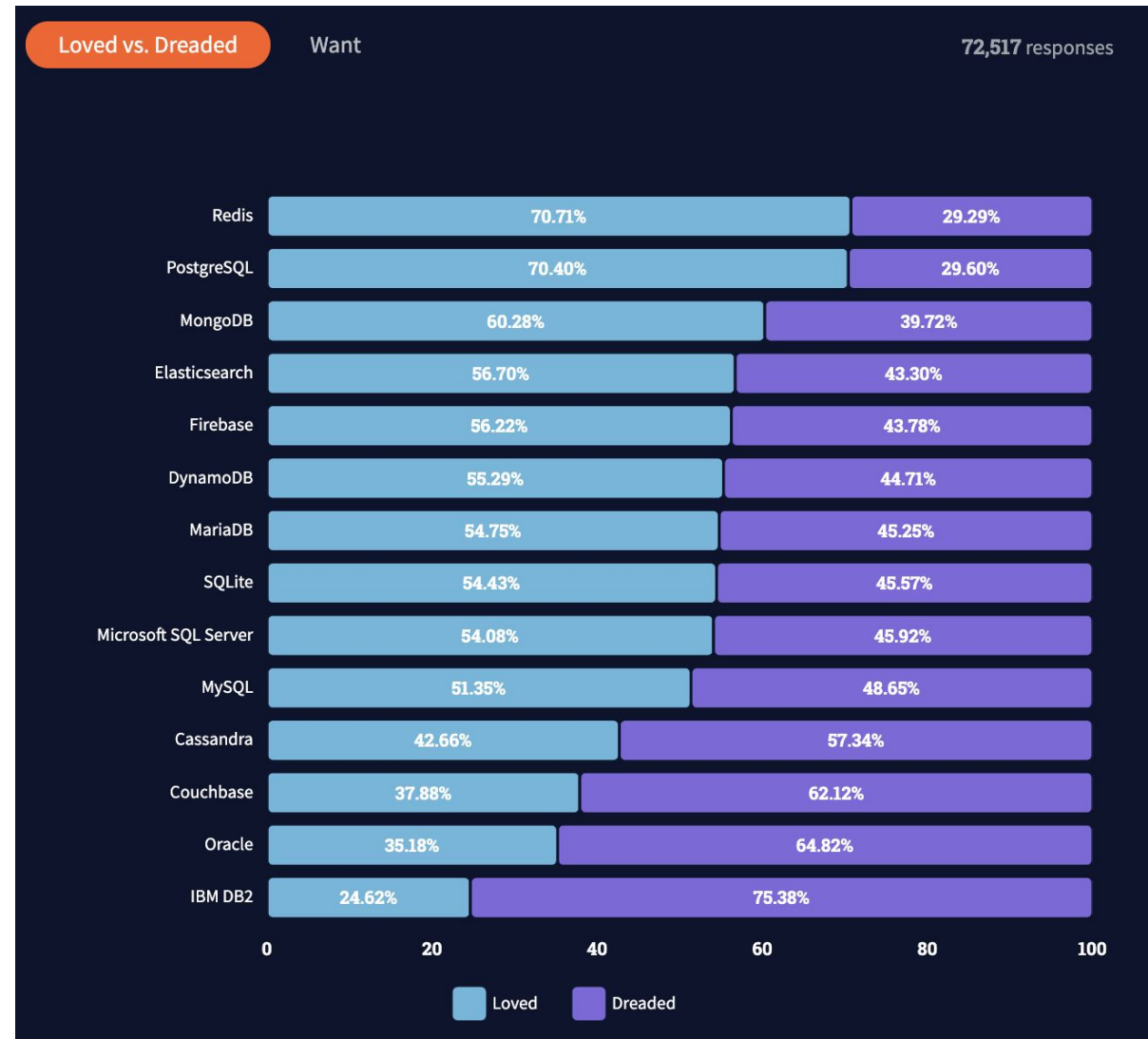
**Not many options exist for Oracle.**

**What about other cloud database options?**

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# Another DB option to consider

- PostgreSQL is the Most Loved RDBMS all five years it's been asked
- PostgreSQL increased in popularity from ~36% in 2020 to ~44% in 2021
  - Highly extensible
  - Truly open source and has a strong community
  - PostgreSQL is a popular and strategic amongst cloud platforms, e.g. AWS Babelfish



Source: Stack Overflow Survey 2021



# PostgreSQL in the Cloud

A wide variety of services available



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**With abundance of PostgreSQL fully managed cloud databases, why not migrate directly to PostgreSQL?**

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**Migrating database workloads is hard.**

**Choosing the database is the easy part.**



# Migration is complicated



## Schemas

- Objects and code
- Mapping data types
- Handling syntax differences
- Raising incompatibilities



## Data

- Methodology: Bulk, ongoing, fallback
- Tools: ETL, validation



## Infrastructure

- Hosting environment
- Deployment type
- DBMS optimization
- Proprietary utilization



## Application

- Code
- Languages
- Connectors
- Syntax
- Performance
- Optimization
- Indexing



# Where does this leave you?

- **Limited Oracle cloud options**
  - You're not necessarily getting the full benefits of moving to cloud with a lift and shift approach
- **PostgreSQL cloud options are appealing, but getting there is hard**
  - PostgreSQL doesn't have compatibility with Oracle and migrating is a non trivial effort



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**How can EDB help?**

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# EDB compatibility with Oracle database



SCHEMA



DATA



CODE



API



TOOLS

**Part of the way**  
SCHEMA AND DATA ONLY



**Most of the way**  
SCHEMA, DATA AND CODE



**Almost there**  
SCHEMA, DATA, CODE AND INTERFACE



**All the way**

SCHEMA, DATA, CODE, INTERFACE AND OPERATIONAL TOOLS



# Compatibility, Tooling, and Expertise



## EDB Postgres Advanced Server

Compatibility with Oracle database data types, PL/SQL support, packages, data dictionary views and drivers.



## Migration Tooling

Run schema assessments, migrate and validate data.



## Expertise

Over 15 years of expertise in helping customers migrate their Oracle workloads

**Reduce the time and effort required to migrate from Oracle and ease the transition for your Oracle DBAs and developers.**



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**Is all of this available from EDB on the cloud?**

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# BigAnimal

EDB's fully managed cloud offering on Microsoft Azure



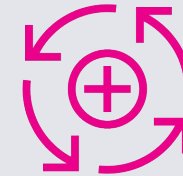
## Postgres Expertise

EDB's expertise goes above the infrastructure; we steer the database roadmap and patch its bugs



## Oracle Compatibility

Leave Oracle and further your cloud journey with a fully managed Postgres service



## Continuous Availability

High availability of your PostgreSQL clusters so you're always on, always available

**BIGANIMAL**







**Find out more at [biganimal.com](http://biganimal.com)**

**Thank you!**