# Cloud comparative analysis for Oracle Database Workloads

The client's Oracle database was running sufficiently in a public cloud vendor's legacy cloud. However, the vendor pushed for migration to their next-generation cloud platform prior to decommissioning of the original cloud. Unfortunately, after migrating and with minimal other changes, database performance regressed to an unsuitable level in the new cloud environment. When assessment and remediation efforts from the cloud vendor and independent contractors were unsuccessful in improving database performance, the client began to consider alternative public clouds and replatforming from Oracle to SQL Server. Pythian was engaged to help assess the current architecture and propose a sustainable path forward.

Pythian began with a deep-dive analysis to address the root cause of the performance regressions, Pythian was able to identify, quantify and present this analysis, and proposed remediation options. Alternatives included database changes, different cloud architecture options, changing cloud vendors completely and replatforming to SQL Server - empowering the client to make informed choices about their future state architecture.

A list of seven possible options (including consideration of alternative cloud vendors [Microsoft Azure] and mutually exclusively alternative database engines) were presented in heat map form with quantified estimates for effort, anticipated performance gains, and financial costs. This allowed the customer to proceed with confidence.

## Outcomes

• Pythian provided **seven possible options** in heat map form.

• Pythian's analysis and expertise turned a forced exit (from the existing hosting environment) into a **performance-improvement opportunity**.

Pythian