Version One (Agility) Performance Tuning for Digital AI

> "QA Consultants provided a complete solution that we can use to augment our existing performance test activities with continuous performance tuning. The project was under budget and hugely insightful to our engineering teams."
> – Mickey Rogers, Director of Engineering, Agility

CHALLENGE & TEST REQUIREMENTS

- Looking for a continuous tuning solution to support Agility application required experience with integrated performance testing and engineering
- With cloud migration, a solution for right-sizing and continuous improvement was needed that could work with existing on-premise architecture as well
- Needed to measure and validate any performance improvements as a result of database tuning and to profile the database under load

SOLUTION & APPROACH

- QAC conducted performance testing that mimicked production usage for the whole app
- Implemented Neoload and DB Marlin to streamline automation, monitoring, and analysis
- Implemented a private cloud edition of Neoload Web on Amazon EKS (Kubernetes) to lower cost and ease the pain of upgrades

RESULTS

- ✓ Isolated the database layer and gained deep visibility into troublesome areas quickly
- ✓ Future proofed the testing for reuse in a Continuous Integration pipeline
- ✓ Trained/Mentored internal staff with full a seamless knowledge transfer experience

ROI

- ✓ Velocity reduction in tool setup and automation
- ✓ Lower cost of test administration and ongoing maintenance
- ✓ Continuous Performance Testing