# Case Study - Performance Engineering As A Service

**Client: Leading Clinical Research Organization, North Carolina, USA**

## Challenges

- Performance and Capacity Evaluation for customer consent applications deployed in clinical trial management

- Short Testing Window

- Lack of In-House Performance Testing Tool

- Geographically Distributed Users

## Our Solution

- **Performance Testing as a Service** - Tool Framework and Platform, Script Maintenance

- **Custom and Adhoc Executions:** Evaluating multi-site rollouts targeting diverse user bases.

- **End-to-End User Experience Measurement:** Assessing user experiences from different geographical locations.

- **Executions Across Overlapping Time Zones:** Simulating real user conditions.

- **Dependency Elimination:** Reducing reliance on resources and technical expertise for test executions.

## Value Delivered

- **55% Savings** in Initial Performance **Test Scripting Turnaround**

- **70% Ongoing Maintenance Cost Savings** through ad-hoc pay-as-you-go execution schedules aligned with site rollouts.

- **Early Defect Detection** and resolving them before the app release to users.

- **90% Reduction in Testing Cycle** Setup and Execution - 3 weeks to 5 days.

- **100% Reduction** in **CAPEX Costs**

- **No Infrastructure** and Tool Maintenance **Overhead Costs**