



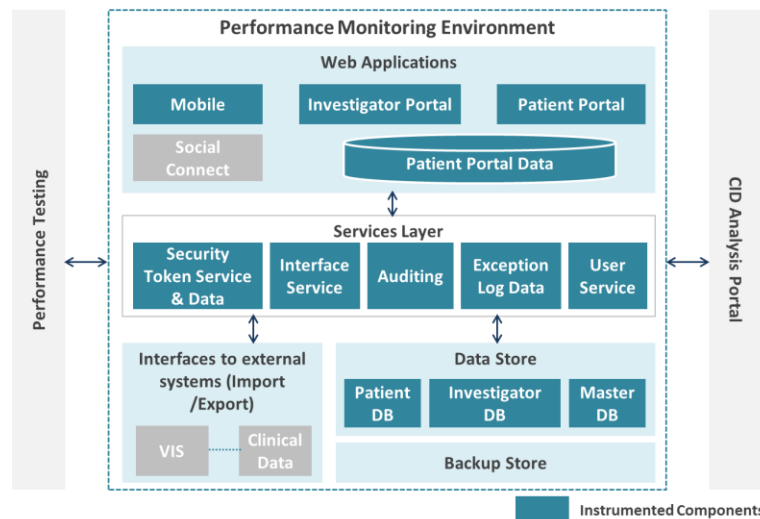
Case Study

Clinical Trials Portal Performance Optimization

Client Requirements

The client is a leading clinical trials solution provider. To reach out to a large patient population for screening, recruitment and education, client developed cloud-hosted portals. Client's end users were experiencing very slow response times during the portal transactions. Client engaged CitiusTech's Performance Engineering Services (PES) team to provide performance optimization.

Solution Schematic



CitiusTech Solution:

- Comprehensive application load testing, benchmarking, component v/s resource utilization
- Application profiling to identify bottlenecks and performance optimization to improve response times
- Architecture assessment for scalability and assist client with performance patch rollouts
- Key Metrics Tracked - Response time, CPU utilization

Value Delivered

- Ensured rapid instrumentation of codebase and identified slow performing methods using CitiusTech Instrumentation Dashboard (CID)
- Improved performance by 30% by reducing server round trips and JS, CSS and image optimizations
- Improved page response times by 50% with optimized code and SQL query tuning

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About CitiusTech

CitiusTech is a provider of healthcare technology services and solutions to medical technology companies, providers, payers and life sciences organizations, with over 2,500 professionals worldwide and serving over 75 healthcare organizations globally. CitiusTech's services and solutions include healthcare software development, healthcare interoperability, regulatory compliance, BI/analytics, consumer engagement, care coordination and population health management. CitiusTech helps customers accelerate innovation in healthcare through a number of solutions and accelerators for clinical quality reporting, healthcare big data, cloud computing, mobile health and predictive analytics. With cutting-edge technology expertise, world-class service quality and a global resource base, CitiusTech consistently delivers best-in-class solutions and an unmatched cost advantage to healthcare clients worldwide.

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