



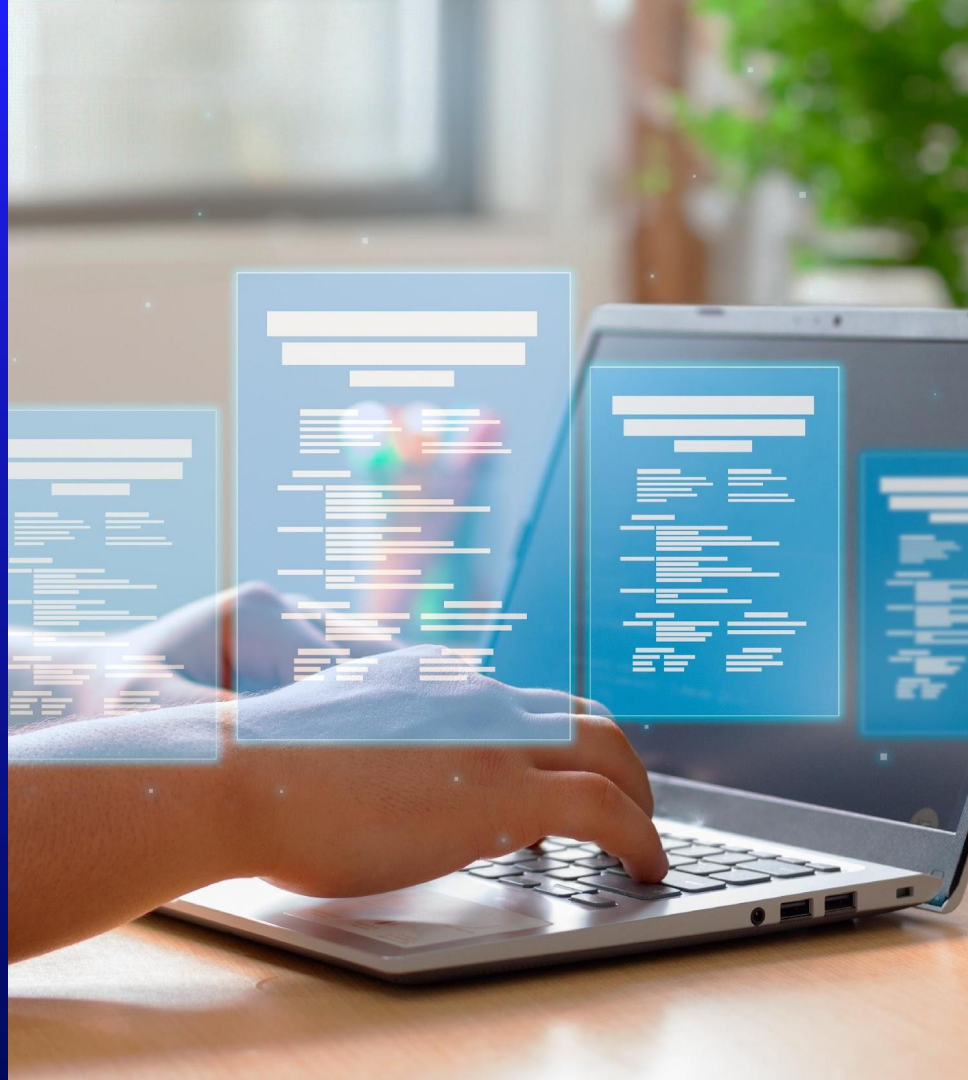
Shaping Healthcare Possibilities

Success Story

Performance and NFR Testing of Web Application hosted on AWS Cloud

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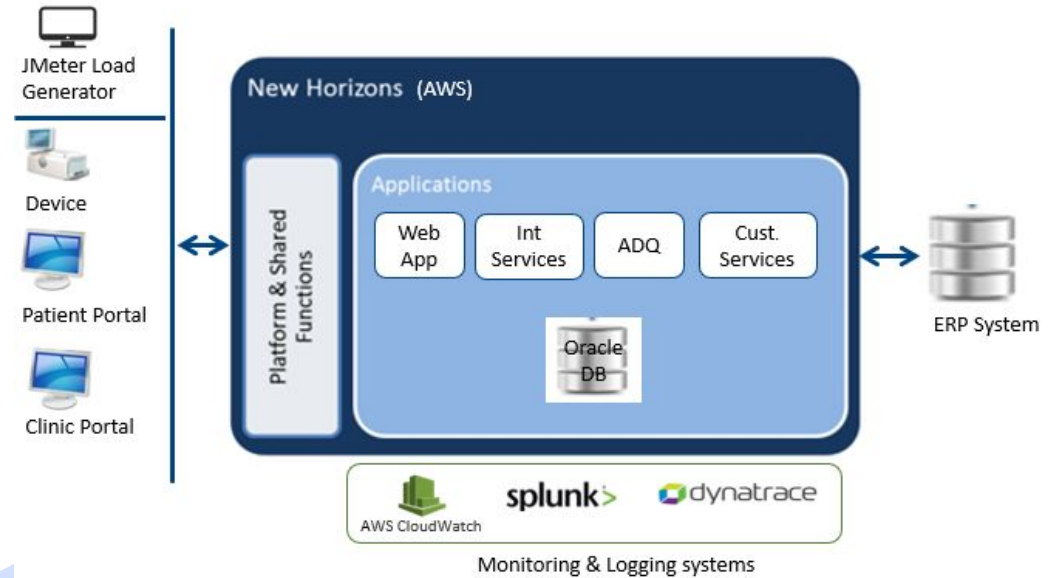
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The Challenge

- Clients renal care application hosted on AWS cloud; this system communicates between Peritoneal Dialysis devices at user locations as well with the Baxter business systems.
- The scope of Performance testing is to verify and analyze performance of integrated system under expected and futuristic load. NFR testing covers verification of systems high availability, scalability, systems logging and monitoring capabilities, data migration and storage capabilities in conjunction with underlying AWS infrastructure.
- CitiusTech Performance practice team Utilized AWS monitoring capacities as well implemented Splunk and Dynatrace for deeper insights around application KPI

Solution(s) & Value Delivered



The Solution

- Assessment of system performance under defined load patterns, analysis of various performance metrics, identification of bottleneck and tuning opportunities
- Induced failure at various components and services of AWS system to analyze the impact of the application/system availability.
- System scalability /elasticity under varying demand or transaction load



The Outcome

- Response time, Throughput, CPU and Memory utilization, Splunk Log Trace, Treatment file E2E and component wise processing time.
- Error and response time trend WRT failover and scalability activities.
- Transaction insights and tuning opportunities Application and system benchmarking with incremental load. Systems availability and system down time with respect to various failures in the system



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Thank You

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