



Shaping Healthcare Possibilities

Success Story

Cloud Migration success: Performance and NFR testing in AWS environment

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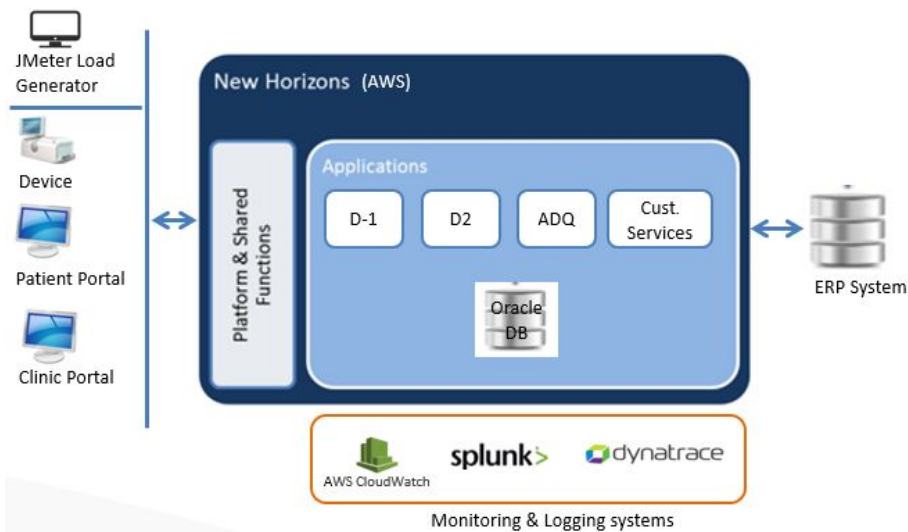


The Challenge

Client is a leading healthcare services provider in the U.s market specializing in Renal care. Challenge:

- Comparative Performance analysis of **A Renal Care Application lifted & shifted to AWS Cloud**
- **NFR Testing** includes systems high **availability**, **scalability**, systems logging and monitoring features and its performance impact
- Instrumentation of **Dynatrace** and **Splunk** and **integration** of AWS CloudWatch

Solution Schematic



The Solution

- **Workload Modeling:** Prod usage trend and growth analysis using WebTrends data across geography.
- **Test Framework Development:** Simulation of Renal care Device and web traffic using JMeter, LoadRunner, building test execution and monitoring framework
- **RCA & Tuning opportunities:** Analysis of various performance metrics, identification of bottleneck and tuning opportunities
- **Reliability Testing :** Induced failure at various components and services of AWS system to analyze the impact on system availability



The Outcome

- Growth analysis & performance evolution to cater futuristic demand
- Improvement in MTTR, component recovery and alerting
- Error and response time trend WRT failover and scalability
- Automation of test date creation & test execution process



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Thank You

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