

ENSURED FUTURE-SCALE READINESS FOR A GLOBAL SUPPLY CHAIN MANAGEMENT SOFTWARE PROVIDER

ABOUT THE CLIENT

A global supply chain management software provider that helps track warehouse merchandise with connected, automated solutions

Served more than 4,400 global customers

Caters to diverse domains such as automotive & aerospace, health & wellness, consumer packaged goods, food software, beverage, third-party logistics, retail, apparel & footwear, and eCommerce industries

Has over 30 years of experience in providing integrated solutions



BUSINESS NEEDS

Conform latest emerging technology-based platform against business critical performance requirements

Determine scalability for 3X Y-o-Y future traffic growth and infrastructure consumption patterns for better cluster predictability

Replicate real-life user experiences at expected scale across various access channels, including API, web, mobile application, and RF devices

Ensure intactness of business SLAs under worst case traffic scenarios, for both synchronized as well as asynchronous interactions

Define the e-commerce integrated platform for diverse user roles and 75,000 concurrent users

Fine-tune the platform for wider integrations and interoperability



SOLUTIONS

Engaged through advisory services to perform gap analysis and device scaled end-to-end performance test strategy

Derived the application traffic pattern and usage post-analyzing the entire application ecosystem

Defined user modelling applying statistical approach to include combinations of user interactions and data parameters

Conducted tool feasibility for various traffic sources—Telnet, Https, and data encrypted traffic—and identified custom monitoring and stubs

Executed bottom-up performance benchmarking, from component to application, using Micro Focus LoadRunner covering user experience analysis, load testing, stress testing, and endurance testing

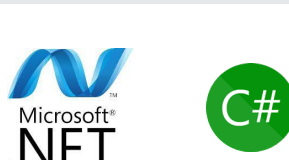
Monitored multiple tiers such as user experience, infrastructure consumption layers, and storage layers



TECHNOLOGY STACK

PRODUCT TECHNOLOGY STACK

Languages and Frameworks



Web Server



Web Technologies

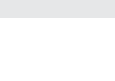


Database



TEST ENGINEERING STACK

Load Generation and Result Analysis Tool



Log Analysis



APM



Protocols



Telnet

UX Analysis



BUSINESS BENEFITS



Optimized configurations for targeted 75,000 concurrent user traffic



Balanced cluster and scalability readiness to support **3X Y-o-Y traffic growth**



Fine-tuned application synchronization and improved responsiveness by **27%**



Achieved better traffic management and adequate risk mitigations



Ensured **better predictability** about application sizing and its responsiveness



Strengthened development practices by integrating performance testing as a part of SDLC



Improved and ensured **quick go-to-market turnaround time**

Cybage Performance Testing Capabilities



Advisory Services



Test Engineering and Execution Services



User Experience Benchmarking



Load Testing



Stress Testing



Spike Testing



Optimization testing



Scalability Testing



Resilience Testing

Conquering Quality with Exceptional Detailing