

How a Multi-billion Dollar American Dairy Processor **Successfully and Easily** Shifted from Microsoft Dynamics to SAP S/4HANA, Using NeoLoad

With revenues exceeding \$1 billion, and >2000 employees, the leading dairy manufacturing company responsible for one of America's best Greek Yogurt brands put its faith in NeoLoad. Before we talk about what they did, let's discuss what's at stake for this organization.

With a continuously evolving climate, the need to manage change while maintaining a "step" ahead of the competition is essential. At the core are the processes and procedures associated with its software development practices. For instance, as a Greenfield Approach follower, the company is shifting from Microsoft Dynamics to the SAP S4Hana platform. It's imperative to the organization that when they look back on the migration, they will do so with confidence, assured that performance was never compromised. Hence, the introduction of NeoLoad.

After extensive searching and evaluating via multiple proofs of concept with many of the industry's top performance testing tools, the company chose NeoLoad from Neotys, as suggested by our Global Partner, Infosys – here's why.

Technical Overview

Concerned over the notion that this was their first SAP implementation, the group wanted to ensure response time integrity post-implementation. Working on the S4HANA platform, the company was using an extended warehouse management module, apart from other SAP modules. The move to HANA means that it will be scalable, column-based, as compared to the earlier RBBM (and row-based testing by comparison to the old/existing MS Dynamics solution). As part of the new SAP platform, the SLA response time for RFID scanners in the warehouse estimates at 0.5 seconds for all scanned/RFID activity. When completed, the customer expects a volume of 480 concurrent users, of which 300 RFID (web-based apps). On the SAP side, they had 180 users (mainly SAP Fiori users).

Confident that the NeoLoad solution fits these requirements perfectly across the SAP technology landscape (both web-based apps and SAP users), Neotys dug in with the collaboration. It also helped that a shared entity who also uses NeoLoad, reinforced the decision offering up their firsthand experience with benefits such as:

- Flexibility, being script less automation - increase in productivity
- Business value
- Reliability and performance

As a result of their trial, they also pointed out that the transition to NeoLoad was effortless as it was straightforward to learn how to use, and the scripting was fast. The Neotys support team played a vital role as partners in every step of the wave.

NeoLoad scripts were created for both SAP Fiori and EWM for various flows, across multiple stores. RFID scenarios were all web-based, and scripts were created and conducted a performance testing to simulate a concurrency of 480 users threshold.

Solution Provided

With SAP being a heterogeneous environment, the performance engineering team conducted due diligence assessment of the S/4 HANA landscape, requirements, customer-required SLAs, and developed a solution for the same.

The dairy giant was able to overcome these challenges smoothly with the NeoLoad SMEs; as a result, NeoLoad helped:

- Automate/generate scripts across SAP landscape like S4 HANA, Fiori, and SAP Business Client
- Handle data with ease in real-time (including dynamic values) rather than using a .csv as part of the test data activity
- Validate scripts - checking for errors, user path validity, and flag features all in real-time. Scripting was developed with corresponding business intelligence. All the validations were performed during runtime
- Co-relate request and response using simple click - which automatically navigates to the exact request

Performance Benefits

NeoLoad scripts were created for both SAP Fiori and EWM for various flows, across multiple stores. RFID scenarios were all web-based, and scripts were created and conducted a performance testing to simulate a concurrency of 480 users threshold. Neotys provided the necessary support in establishing real-time scenarios. Load generator selection (based on business flow) was flexible and easy. Script re-usage and Frameworks each offered time and effort savings, meanwhile, reduces mistake potential - proving out a positive return on their investment.

About Neotys

Neotys has nearly 15 years of development investment into NeoLoad - the performance testing platform designed to accelerate Agile and DevOps processes. It's built by engineers who recognized that to achieve their Agile adoption objective; they needed to create a product that could facilitate superior load and performance testing continuously. The result - up to 10x faster test creation and maintenance with NeoLoad. We genuinely believe that the performance engineer can become the critical application performance partner providing the best testing coverage while respecting the cadence of the Continuous Delivery process. As performance becomes the responsibility of the wider team, continued delivery of an optimized performance testing platform is what drives our work every day.