



National healthcare organization transitions from mainframe to cluster migration for SAS modernization with UBIX and Qualex

Implementing GenAI and Reinforcement Learning with no-code solution to reduce proprietary SAS requirements

The Challenge

This client was notified by SAS that their current solution would end support within 18 months, so they took the event as a catalyst to reduce their dependency on the cost and proprietary requirements of their current solution. While migrating SAS systems to new hardware they also had to ensure continued support for various users and maintain job submission efficiency.

The primary challenges identified included:

- **Dependency on SAS:** cost prohibitive to maintain, support, find and maintain

The Solution

Starting with a thorough analysis, including system user interviews and data collection, to assess the current system and compare it with available options.

This client then decided to retire their IBM 2064 Model 102 Mainframe and migrate to a cluster of HP ML370 G5 machines and implement the HP StorageWorks 8100 Enterprise Virtual Array SAN storage system with Qualex. Qualex

trained resources on outdated proprietary technology while losing competitive edge to more advanced solutions

- **Impediments of Innovation:** Analytical models have shifted from proprietary vendors to open-source development
- **Modernization Missing:** Current solution required batch-only job submission approach, which was costly and time consuming, so business users suffered

brought in UBIX to understand and modernize the SAS Estate. By finding and quantifying all SAS language components throughout the organization and having a complete inventory of all SAS assets UBIX helped reduce migration project risk and accelerate the SAS to Python refactoring efforts and adding Gen AI and Reinforcement Learning for further innovation.



Customer Profile

A leading U.S. federal agency under the Department of Health and Human Services. This agency has a staff of over 15,000, assets in excess of \$22B and is responsible for protecting public health by controlling and preventing disease, injury, and disability.

Highlights

- Retirement of the IBM 2064 Model 102 Mainframe and successful migration to an HP Cluster environment
- Comprehensive SAS modernization initiative aimed at significantly reducing dependency on SAS, lowering associated costs, and minimizing the need for proprietary resources
- Optimization of real-time business decision-making processes, eliminating the reliance on specialized tools and resources, and enabling more agile and efficient operations across the organization

Benefits

The initial savings were significant, with a reduction in Total Cost of Ownership by half of the existing SAS costs, and a substantial decrease in dependency on proprietary resources and technology. This reduction eliminated many of the delays typically associated with batch processing. By effectively capturing and presenting the full extent of SAS workloads across both the z/OS and distributed environments, the client gained strategic insights that are now driving their analytics modernization efforts.

The deployment of newly refactored Python programs as functions within the UBIX platform has offered business users a clear and straightforward migration path to a no-code/low-code platform. UBIX, a cloud-enabled SaaS application, is lightweight and designed to provide an intuitive analytical

workflow that business users can navigate in under a day's time. Moreover, the transition from mainframe dependence to the HP cluster was executed smoothly, leading to a 20% reduction in operating costs through optimized resource allocation and load balancing. This solution not only addresses current needs but also positions the client to efficiently manage future innovations.

Bottomline: The client successfully transitioned to a more capable system, significantly enhancing their analytical capabilities while supporting a broader range of SAS tools. Business users are now empowered to meet their own analytics requirements without the delays of the legacy batch process and reliance on proprietary resources. This shift represents a major step forward in both operational efficiency and overall business agility.

“Today’s collaboration with UBIX is uniquely positioned to help us optimize mainframe workloads by shifting historical analytic workloads off mainframes to the cloud where business users benefit from a wide range of services. This motion helps return mainframes to their optimal performance for transaction processing”

— Chief Information Officer

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To learn more about how UBIX and Qualex can help with your SAS modernization efforts, contact **949.482.8540** or **info@ubixlabs.com**, or visit **www.ubixlabs.com**



About UBIX

UBIX, a pioneer at the intersection of Generative AI and Reinforcement Learning, optimizes real-time business decisions without the need for specialized tools and resources. Our patented no-code SaaS

platform contextualizes and presents data from inside and outside the enterprise in minutes not days ensuring AI and ML innovation transformation.

For more information please visit www.ubixlabs.com

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