Large oil and gas company does Cloud Integration migration (SAP BTP) with Crave InfoTech

About Client

The client, a major player in the global oil and gas industry, operates across various countries, dealing with an array of suppliers. These suppliers utilize OpenInvoice for registration and invoice generation with the client. The company's existing cloud integration within SAP ECC plays a crucial role in managing cost centers, purchase orders, Work Breakdown Structure (WBS), as well as fetching invoices and price books.

Crave InfoTech

Crave InfoTech, renowned for its expertise in SAP technologies, specializes in creating streamlined and efficient solutions for complex business processes. Their proficiency in SAP BTP and deep understanding of enterprise needs position them as the ideal partner for this migration project.

Problem

The client was facing challenges with their existing cloud integration within SAP ECC for managing supplier interactions via OpenInvoice.

The system involved custom coding, resulting in inefficiencies in process control and scalability.

There were issues with the scheduling of invoices and purchasing workflows, and a pressing need to migrate to a more advanced and robust platform like SAP BTP's Cloud Integration.

Solution

The client partnered with Crave InfoTech to transition their integration capabilities (for OpenInvoice) to SAP S4 HANA, utilizing SAP BTP.

Crave InfoTech developed user-friendly interfaces for streamlined workflows and seamlessly integrated OpenInvoice using SAP Integration Suite.

The migration maintained the business logic from SAP ECC to SAP S4 HANA, optimized workflow scheduling, and ensured a low-code approach with a clean core.

Crave InfoTech also enabled the client to fully utilize the capabilities of SAP BTP, enhancing overall business process management.

Problem

The client's global footprint, with operations and supplier interactions across countries, inherently brought integration and management challenges. The company's reliance on OpenInvoice for supplier interactions and invoice management necessitated a robust and efficient system that could handle the scale and speeds. The existing framework within SAP ECC, while functional, was not optimized to handle the scale and diversity of client's international operations effectively.

Need to streamline Workflows

The existing workflows for managing purchase orders, Work Breakdown Structure (WBS), and invoices weren't streamlined as they were dependent on custom coding for their business logic. This was particularly evident in the scheduling and management of invoices, which was something the client wanted fixed.

Custom Coding within Cloud Integration | Need for Clean Core

The incumbent integration solution was reliant on custom coding (with SAP ECC). The client realized that this posed significant challenges in terms of system maintenance and scalability.

Custom coding, while offering tailored solutions, often leads to increased complexity, making system updates and integration with new technologies cumbersome. The client wanted to incorporate a cleaner core within their new (migrated) Cloud Integration solution.

Integration limitations

The existing cloud integration within SAP ECC for interoperating with OpenInvoice was not fully leveraging the potential of advanced integration technologies. This limitation was a barrier to achieving streamlined and automated processes in purchase order creation and invoice management.

Migration needs

With the evolving business landscape and technological advancements, there was a pressing need to migrate to a more advanced system. SAP BTP's Cloud Integration, within SAP; Integration Suite, promised a more sophisticated and scalable solution, but the transition required careful planning to ensure continuity of business logic and process integrity.

System complexity and user experience

The complexity of the existing system impacted the user experience negatively. Users dealing with the intricacies of purchase order creation and management faced a learning curve that could be further reduced with a streamlined workflow – making the processes faster and easier to adapt. The client was keen on embracing this going ahead.

Solution

Crave InfoTech, leveraging its deep expertise in SAP solutions, designed a comprehensive and sophisticated approach to migrate client's cloud integration from SAP ECC to SAP S4 HANA.

Streamlined interfaces for workflows

Crave InfoTech developed easy-to-use interfaces, ensuring that the workflows for managing purchase orders, invoices, WSB, price books, and cost centers were intuitive and user-friendly. This redesign focused on enhancing user experience and minimizing training needs for their (client's) staff.

OpenInvoice integration with SAP BTP

The team integrated OpenInvoice with SAP BTP, utilizing the SAP Integration Suite. This integration was not just about connecting two systems but ensuring that data flowed seamlessly and securely, enhancing real-time visibility and decision-making capabilities.

Business logic migration and enhancement

Crave successfully migrated the existing business logic of cloud integration from SAP ECC to SAP S4 HANA, ensuring continuity and consistency in operations.

This helped sustain the operations with minimal relearning while expanding on the core competencies (processes) with streamlined Workflows.

Enhanced Workflow management

Implemented advanced scheduling and event mesh to further streamline the workflow, leading to improved efficiency and time management. This ensured a leaner and faster process for purchase order creation, parking, and posting, along with fetching invoices and other elements.

Low-code approach with Clean Core

Crave InfoTech's approach emphasized a low-code development strategy. This approach not only expedited the migration process but also ensured a 'clean core' - a system free from unnecessary customizations.

Exploiting full potential of SAP BTP

Crave guided the client in exploring the multifunctional advantages of SAP BTP, including clean and faultless integrations (SAP Integration Suite), low-code Workflow and UI creations, and other native SAP solutions for more comprehensive business process management.

Disclaimer

All data within the case study is taken from the engagement with the client. Supportive data about the client and industry is taken from publicly-verified documents.

All metrics mentioned in the study are approximations based on actual benefits gained and learnings achieved through the deployment.

Crave InfoTech

Crave InfoTech is a fast-growing and award-winning enterprise solutions company. Based out of New Jersey, United States, Crave InfoTech has rapidly become the premier choice when it comes to stand-alone industry-benchmarking solutions like Business Technology Platform (BTP) enablement, Enterprise Asset Management (EAM), Warehouse Management (WMS), Enterprise Mobility, IoT, Professional Services, Design Thinking-enabled solutioning, etc.

The company has made great strides with pre-packaged and SAP-driven products within industries like Life Sciences, Utilities, Oil and Gas, Manufacturing, Retail, E-commerce, etc. offering minimal cost of ownership, complete solutions, fast market deployment, and total all-round support.

Crave InfoTech has partnered with SAP, Zebra, Google, Here Technologiesp, etc. to not just resell value-added products but also enhance the reach, application and efficiency of their legacy systems.

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