Havensight

Global Manufacturer Deploys New SAP Native Mobile Inventory App with Improved Features and Security

A global company that delivers products and services to legal gaming operators across 100 countries was facing an urgent dilemma. Its legacy SAPConsole and Telnet-based mobile inventory app was not secure, and major vulnerabilities had been discovered during a recent security audit. Additionally, some of the app's transactions and features were no longer functional due to upgrades and changes to its SAP back-end and business systems over the years.

To resolve these issues, the company partnered with Havensight Consulting and successfully developed and deployed an entirely new SAP-centric native mobile app. The new solution eliminated the security vulnerabilities, restored and improved its transactional capabilities, and allowed the company to deliver the app across all the Zebra mobile devices that it uses in its warehouse.

PROBLEM

A global company that delivers gaming products to legal, regulated, and commercial gaming operators across 100 countries was using an SAPConsole and Telnet-based SAP mobile app to manage a large volume of products at its finished goods warehouse. The app had been an ideal solution in the past, but it wasn't keeping up with the company's changing needs and had failed a recent security audit.

Since the app depended on SAP's legacy SAPConsole mobile infrastructure, it was no longer optimally secure, and there were major security vulnerabilities that needed to be addressed as quickly as possible. Additionally, some of the app's transactions and features were no longer functional as a result of required upgrades and changes to the company's SAP back-end and other business systems over the years.

To solve these issues, the company wanted to replace this SAPConsole app with a new SAP-native solution that would provide much stronger security, maintain its existing inventory transactions, and restore non-functioning capabilities. Ideally, the app would also provide new features and capabilities that its previous solution didn't provide, and it would render on all the different Zebra mobile computer device types and screen sizes that the company was using in its warehouse.

Quick Summary

COMPANY
A global gaming products and services company serving 100 countries

PROBLEM
A legacy Telnet-based SAPConsole mobile app was not secure and no longer provided some transactions and features due to required upgrades and changes that had been made to back-end systems over the years.

SOLUTION
A new SAP-native mobile inventory management app was developed and deployed to provide powerful security and authentication, fully restore transactional capabilities, and deliver new features with a streamlined and modern SAPUI5 user experience.

RESULTS
- The new app leveraged SAP's mobile security to eliminate major vulnerabilities.
- The new app replicated and restored all transactions while adding new capabilities.
- Havensight used the SAPUI5 mobile framework to create a modern user experience.
- User experiences were significantly streamlined with fewer screens and scrolling.
- The new app renders on all Zebra device types and screen sizes in use.
- The app connects to the SAP back-end via SAP's NetWeaver gateway.
- Deployment has been met with overwhelmingly positive user feedback.

SOLUTION

To develop and deploy the right solution, the company partnered with Havensight Consulting, a leading SAP mobile app development team formed by the original creators of SAP's mobile platform and solutions. Havensight was an ideal choice because its team has decades of SAP mobile solution experience and extensive expertise in creating mobile apps using the latest SAPUI5 mobile framework and its own pre-built Mobile Inventory Templates (MIT).

To get started, Havensight worked with the company's business teams to conduct a detailed analysis of all of its inventory transactions. These included transactions the company was using, those it wasn't using, those that were no longer functioning due to back-end configuration changes, business system changes, and new capabilities they needed to add.

Havensight took this information and created requirements documents for a new mobile inventory solution. Then its developers used Havensight's pre-built Mobile Inventory Templates (MIT) and extended these to meet the company's specific requirements and match its business processes.

Havensight's MIT allowed its developers to quickly design and build the right solution using the current SAPUI5 mobile framework. SAPUI5 is an HTML5 framework that helps developers design and create modern, user-friendly, streamlined, and web-based mobile apps that render and function optimally across different mobile platforms.

Working with the company to review and validate the new app's design and capabilities, Havensight developed a new and improved mobile app and rolled it out in the finished goods warehouse, providing user training, user acceptance testing (UTA), knowledge transfer, and go-live support.

RESULTS

The new mobile app was a huge improvement over the previous legacy solution. Importantly, the app directly connects to the company's SAP back-end using the SAP NetWeaver Gateway, and it leverages SAP's powerful native mobile app security to help eliminate vulnerabilities and minimize threats.

It also supports the company's required inventory transactions, including the transactions it had been using as well as non-functioning transactions that were successfully restored. It also added new features to support the business' evolving needs and processes, and it removed obsolete functions that were no longer required.

The company's new inventory management app provides users with access to all the SAP transactions they need for put-away, transfers, picking, packing, shipping, and other warehouse activities. It does it all in a sleek, simple and user-friendly interface that minimizes the number of screens and limits scrolling needed to navigate their workflows.

The app runs seamlessly on all the Zebra handheld mobile computers, vehicle-mounted computers, and other devices that are used in the warehouse. This includes support for a variety of form factors and screen sizes.

Perhaps best of all, the app has helped workers boost their productivity and efficiency, with the business reporting significant improvements in mobile process efficiency and overwhelmingly positive feedback from its users.

To learn more about developing purpose-built SAP mobile apps and solving your biggest security, functionality, usability, and hardware challenges, contact Havensight Consulting now. We'd be glad to schedule a discovery call to explore the best options for your business and provide expert recommendations.

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