An Intellinum White Paper
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Express Server for
Oracle WMS and MSCA

Executive Summary

Intellinum Express Server is an Oracle Validated Integration solution for Oracle WMS and MSCA. It empowers business to maximize their return on investment by allowing them to enhance Oracle WMS and MSCA mobile transactions so the screens are more personalized per business requirements. With this product, a business analyst or a super user who has intimate knowledge of the business process can personalize the mobile transactions to automate data entries, streamline operations, add validations to enforce business rules, introduce new fields to capture additional information, create new mobile pages to perform inquiry or custom transactions, and use value-added features such as voice-plus-scan and e-Signature.

Intellinum Express Server recognizes that every company has different needs, so it provides all of its features with great flexibility. Personalization can be setup at different levels: Site, Responsibility, Organization and User. Furthermore, the result works for all types of MWA clients - desktop and handheld, telnet and GUI. Last but not least, all of these can be done without modifying Oracle's code, making the personalization easy-to-do, patch-safe, and upgrade-safe.

Product Features and Benefits

The personalization features of Express Server works for all mobile transactions, regardless if they are standard or custom developed. Here are some ideas of what the product can do:

✓ Add new fields to display or capture additional information

✓ Hide optional fields to streamline the operations

✓ Add field validation to enforce business rules

✓ Set fields default value to reduce key strokes

✓ Add field automation (auto-enter) to skip field, allowing user to auto navigate to the next field without pressing Enter, Down arrow or Tab
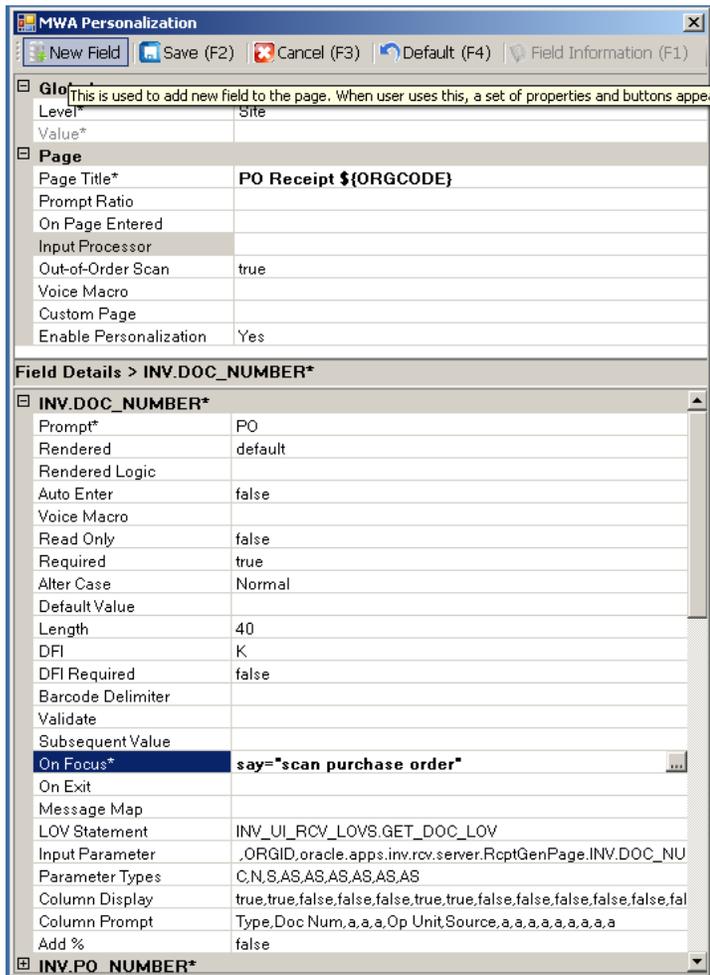
- ✓ Automate Generate LPN/Lot or Display LOV page

- ✓ Make optional fields be required to enforce specific business rule

- ✓ Make editable fields be non-editable to prevent user error

- ✓ Change page title or field prompt to make the transactions more user-friendly

- ✓ Setup barcode parsing logic allowing transactions to be done in fewer scans

- ✓ Integrate one or more mobile transactions or zoom-in to another transaction

- ✓ Add an Input Pre-processor to process data from user. Use cases include data validation, parsing single data to multiple fields values and performing item cross reference translation.

- ✓ Create new custom page to perform inquiry or custom transaction

- ✓ Add E-Signature feature to capture signature in any mobile transaction

- ✓ Add Voice-plus-scan feature, allowing users to get voice direction from system so they can perform transactions without looking at the screen. This feature not only improves user efficiency, but increases user safety on the floor as well.

Note: E-Signature and Voice-plus-scan features are only available when Express Client is used as the MWA client technology.

Express Server Personalization

Intellinum Express Server is designed to be easy to use. During runtime, personalization is initiated from the mobile screen itself by pressing a special key. For security reason, only users who have been setup as personalization administrator in their profile option have the capability to access the personalization page. In the personalization page, the authorized user chooses the level and value where personalization is applicable and changes page and fields properties according to the business need. This personalization can be done easily in Telnet or a desktop GUI client which is included as part of the solution. The desktop GUI client provides property palettes and text editor which makes the personalization easy to do.
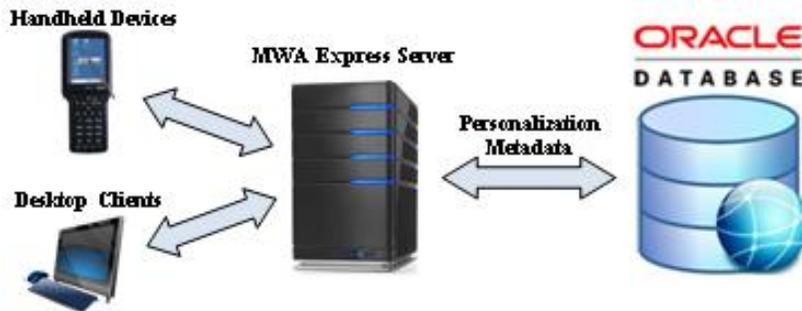
Screenshot of the Personalization Window

Upon save, personalization metadata is stored in Oracle E-Business Suite database. There is no need to bounce mobile servers to activate the personalization changes. When the same mobile screen is opened again from the menu, the Express Server will read the personalization metadata from database and apply the personalization to the screen immediately. Intellinum Express Server solution also includes concurrent programs that facilitate migration of personalization metadata to different Oracle EBS instances.

Integration with Oracle E-Business Suite

Intellinum Express Server integrates seamlessly with Oracle E-Business Suite. The product is installed and runs on the same application tier where current Oracle E-Business Suite MWA server runs and the personalization metadata are stored in Oracle E-Business Suite database. This eliminates additional hardware investment. The product administration is also very similar with Oracle E-Business Suite MWA server so there is no learning curve for system administrator or DBA.

Screenshot of the Express Server architecture

Conclusion

Intellinum Express Server solution empowers Oracle WMS and MSCA customers to tailor their mobile transactions according to the business need, allowing companies to maximize the return on investment. The solution provides many useful features with flexibility to personalize at different levels. The personalization process itself is easy to perform with the use of desktop GUI client and last but not least, the solution integrates seamlessly with Oracle E-Business Suite architecture.