

Abaco's Varadero Wireless Framework

Build Robust Wireless Data Collection Applications for Palm OS[®] & Microsoft[®] Windows Powered Devices Using the Development Tools and Languages You Already Know!

The screenshot displays the Varadero Admin software interface. The main window shows a session table with the following data:

Session#	User	IP Address	Client	Connected Since
18	1	192.168.173.113	n/a	10/12/2000 11

Below the session table, there is a table with columns for Session#, User, and Application:

Session#	User	Application
18	1	Asset

The interface also features a tree view on the left with 'Applications' and 'Users' folders. The 'Applications' folder contains 'Aligasco', 'Asset', 'Clock', 'General F', and 'New App'. The 'Users' folder contains '1'. A 'Shop Floor Demo' application window is overlaid on the interface, showing a form with fields for 'Prod ID' and 'Description', and buttons for 'Add', 'Find', 'Edit', 'Clear', and 'EXIT'. Three handheld devices are shown: a Symbol device, an Intermec 7000 device, and an LXE device, all displaying the 'Shop Floor Demo' application.

Varadero Version 2.0

Abaco's Varadero Wireless Framework is quickly becoming the industry standard for interactive data communication for the new generation of mobile computing devices. This technology platform extends the reach of mobile business application development in the enterprise.

By combining the power of server-based computing with a development framework that supports the most popular, standard application development tools and languages, Abaco's Varadero Wireless Framework provides you with the power to create and deploy robust mobile computing applications quickly and easily.

Product Highlights

Easy Application Development

Develop robust, connected automated data collection applications using the standard development tools and languages you already know:

- Visual Basic
- Delphi
- Powerbuilder
- Borland C/C++
- Visual C/C++
- Visual J++ ... and more

Thin Client Technology

Access applications with a full graphical interface operating over a robust thin-client protocol. Deploy applications over multiple device platforms with only one set of application source code residing on the server. The footprint for the Varadero client is extremely low:

- less than 100Kb on Pocket PC/Windows CE/95/98/NT
- less than 64Kb on Palm OS devices.

Real-Time Communications

Using a patented protocol along with UDP, a user can leave a wireless space and return with full assurance that the server connection will be maintained. Operates via RF and GSM, WWAN or LAN connections to provide you with real-time communications.

Hardware Flexibility

Choose devices that best suit your job-specific requirements. Supports a variety of hardware extensions maximizing your hardware investment:

- bar code scanners
- portable printers
- magnetic stripe readers
- signature and image capture
- voice messaging...
- and the list continues to grow as new technologies emerge



Sample Applications

Shop Floor, Warehousing

Background: One of Canada's top producers of crude oil, natural gas and recovered sulphur products, required a system to collect data from multiple warehouses located throughout Alberta to maintain an optimal level of inventory. The application is a high-volume, low value maintenance and repair order (MRO). The problem: Not the typical technology users, the users of this system had little or no technical background. And, the deadline for implementation was five weeks. The solution needed to be simple, fast and inexpensive.

How it Works: The Varadero solution enables the oil producer to reorder inventory on a real-time basis as each unit is used, simply by scanning it. Warehouse workers, using a wireless handheld device, keep the inventory at an optimal level by simply scanning the order number, the material number and entering the quantity. Goods issued, goods receipts and transfer postings are all tracked automatically.

User Benefits: With warehouses located across a wide geographical area, the thin-client architecture's ability to deploy and maintain applications from the central server proved to be a major benefit, as did the speed of implementation. Also essential was the ability of the application to connect with the SAP system to retrieve product information and quantities directly, allowing the reordering of necessary goods on a real-time basis.

As part of the Pocket PC worldwide launch, Microsoft showcased this demo.

Point of Service, Retail

Background: A retailer of computer and electronic equipment wanted a mobile solution for point of sale and retail applications. The application developed using Varadero enables that solution.

How it Works: Within the retail store, a customer looking to purchase computer equipment can enter the product number or scan the item in which they are interested. The application will provide an item description, to which the customer can add accessories, extend the product warranty, get additional information, or enter the quantity they wish to purchase. The application will enable the customer to store purchases in their "virtual basket" until they're finished, at which time they can select checkout and simply swipe a credit card to tender payment. They then proceed to a pick-up counter where their order is waiting.

User Benefits: With this application, product numbers and product information can be retrieved directly from the SAP System; credit card information can be validated through SAP; a record of each sale can be posted to SAP; and inventory can be adjusted accordingly.

About Abaco

Abaco PR, Inc. is the global leader in delivering the wireless enterprise. Founded in 1993, the company is headquartered in Atlanta, with offices in Puerto Rico, The Netherlands, the United Kingdom, Germany and Australia. Abaco provides complete solutions through wireless systems consulting and software design for the enterprise environment for Fortune 500 companies worldwide.

Working in cooperation with leading software developers such as Microsoft, Oracle and SAP, Abaco develops advanced business solutions to enhance companies' productivity and profitability through automated data collection. By facilitating the collection and dissemination of mission-critical information in real-time, Abaco helps the world's largest companies optimize their logistics management.

As a leader in the emerging wireless technology industry, Abaco provides enterprise software solutions for the new generation of handheld mobile computing devices, enabling users to do business anytime, anywhere. Abaco focuses on innovations for the future through heavy research and development. Abaco's products include the Abaco Bridge, the Abaco Bridge for R/3 and Abaco's Varadero Wireless Framework.

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