

Enabling Smart, Connected Devices from Concept to Market

Bring products to life with best-in-class product development solutions from Bsquare

Highlights

- Human machine interface (HMI) screen design
- Custom UI and Adobe® Flash® UI framework
- Application middleware
- WebKit-based browser
- Adobe Flash Player
- Security



Overview

By engaging Bsquare services early in the development cycle, you will avoid costly rework later – resulting in less development risk, faster time to market and lower costs. An effective application plan must address four critical areas: application user interface and user experience, device management, data management and security. That may sound like a tall order – and Bsquare has the expertise to deliver on these. Our extensive experience with Windows Mobile™, Windows® CE as well as Android™ and all OS provides companies in-depth knowledge of application development, platform and quality assurance challenges. Our engineers can work closely with your development team to make sure your application plan addresses all relevant development and deployment concerns.

Bsquare Solutions

- User interface and application architecture design and consulting
- Hardware acceleration software
- Skinning engine architecture – easily rebrand and customize devices for different target users or markets
- Device management, data management and

User Interface

Bsquare can help you define and design the appropriate User Experience and User Interface for your device. Bsquare has extensive experience in graphic design, wire frame and screen flow along with a strong team of developers focused on UI development. Bsquare helps bring your vision alive on the device.

Device Management

An effective device management solution is a critical part of your application plan – it can greatly reduce your support cost and lower your security risk. With our extensive device management expertise on both the client and server side, Bsquare can help you develop the optimum device management plan.

Bsquare can help you determine which approach for each device management issue will work best for your device. With important data being stored on mobile and embedded devices, we can help you determine what backup and recovery solution is best for your device. Bsquare can show you how to use debug/ service logs to greatly reduce support time and cost

Data Management

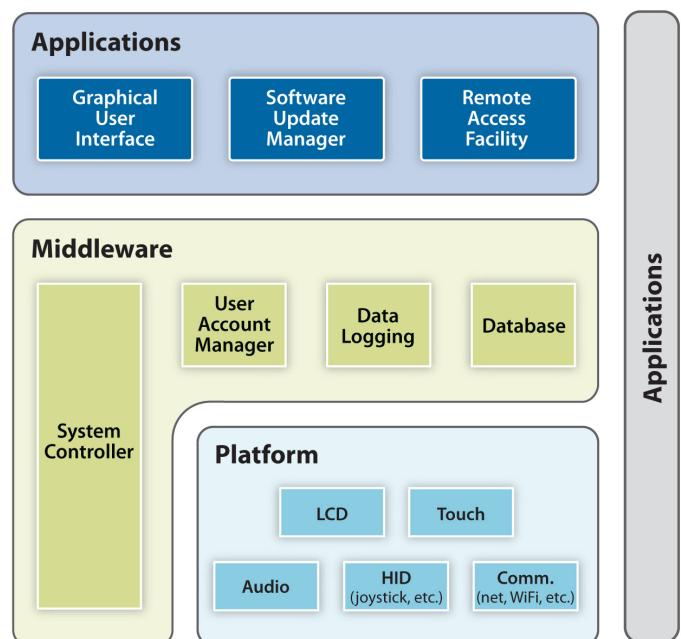
If your application includes a substantial amount of data, it's important to store it in a database in order to give users maximum management flexibility. A database enables users to search the data and sort it into categories and simplifies the process of synchronizing data stored on the device with data stored on a server. Because data stored on mobile and embedded devices is often sensitive, data management plans must address performance issues as well as security issues. Should data be saved on both the client and server? Finding the right balance between performance (usability) and security is the key.

Security

Mobile and embedded devices often store sensitive information. ATMs and Point of Service (POS) terminals may store credit card numbers and portable medical devices may store patient medical data. It is critical that any application plan address security issues.

Balance the need for security with the need for good performance. Bsquare can help you choose the most appropriate encryption technology and apply it in the best way to meet the needs of your application. We can help you meet regulatory requirements ensuring that your device complies with all applicable regulations. Authentication methods range from passwords to

smart cards to biometric methods. Bsquare has extensive experience in developing custom shells – a means of preventing users from unauthorized activity (changing key settings, running an application, using a browser). Our McAfee Embedded Security software ensures that only authorized applications can run on a device. In addition, device activities are tracked. If you need a secure data transfer solution we have in-depth experience with password protection, digital certificates, and SSL or WPA encryption methods



For more information, please visit www.bsquare.com. Or email us at sales@bsquare.com

At Bsquare

Bsquare is a solution provider to the global embedded device community. Our teams collaborate with OEMs at any stage in their device development to bring quality products to market faster. Since 1994, Bsquare has been a trusted partner to smart device makers worldwide.

Bsquare Headquarters
 Toll-free +1.888.820.4500
 Tel: +1.425.519.5900
sales@bsquare.com