

4700 Developing your device using Windows Mobile

BSQUARE's Training Philosophy

BSQUARE is committed to providing quality training to Microsoft Windows Embedded developers who want to get their project to market quickly. Our instructors are backed up by a team of engineers who have spent time in the trenches developing and debugging Microsoft Windows Embedded systems. They can offer you insight into not only the standard architecture and development tools, but also advanced techniques that can make a difference in your embedded system development time and quality.

BSQUARE's Curriculum

Beyond this course, BSQUARE Professional Training Services offers the following classes for Microsoft Windows Embedded developers in Bellevue, WA Akron, OH Boston, MA, Dallas, TX and other cities across the US. Domestic and international on-site training can be arranged.

4700 Windows Mobile Course Outline Instructor led 4 day class.

Introduction to Windows CE/Windows Mobile

What is Windows CE?
What is Windows Mobile?
How it is used in devices?
Why it is different from other operating Systems?

Kernel Features

Memory Map
Security Features

OEM Adaptation Layer

PQOAL vs Old Model
Structure of OAL
Main areas for development

Device Driver Architecture

Entry Points (Open, Close, Init, IOControl)
Registry Entries for Loading Drivers

MultiMedia and Codecs

How do codecs work in Windows Mobile?
Sample Codec Lab

Advanced Build Lab

Understanding the CE build system
SYSGEN
Build
Buildrel
Makeimg

Debug Lab

Using KITL Debugging
Debugging Retail Builds
Break / Fix Lab

Smartphone Platform Architecture

Overview of Components

Managed Application Development

C# Application Development Lab

Native Application Development

C++ Application Development Lab

Cell Core and RIL

RIL Structure
RIL Proxy
RIL Functions
CMDA Specific Considerations

Provisioning

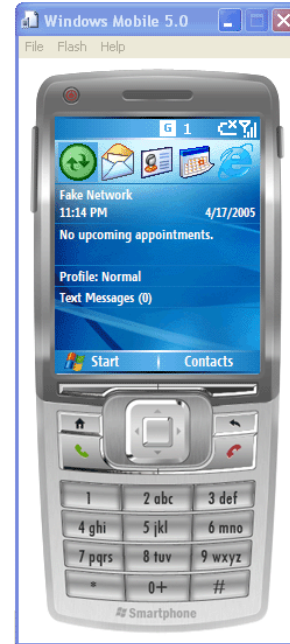
XML Settings Provisioning System
OMA Configuration



Course Description

This course provides attendees the knowledge and hands on experience to be able to use the Windows Mobile Adaptation Kit, understand the basics of bootloader, OAL and device drivers architecture and development, and power management through system states, driver states, Power Management, and Self-managing device drivers. As well as, the ability to test a Windows Mobile device using the CE test kit, logo test Kit, and other testing tools.

BSQUARE was the first company to offer a customizable hands-on training for developer who are new to Windows Mobile and responsible for device development. Customized classes are led by a BSQUARE instructor partnered with an engineer who has extensive experience with targeted Windows Mobile platforms and development environments.



Cancellation Policy – Students may cancel classroom registration without penalty by providing BSquare with a written notice of cancellation by emailing training@bsquare.com at least 10 business days prior to the first day of class. If a cancellation is made fewer than 10 business days prior to the first day of class, the student is responsible for the full amount of class. Any associated course materials will be sent to the student. Student substitutions may be made at any time prior to the start of class. In the case that BSQUARE is forced to cancel a course for any reason, we will notify all currently registered students in writing at least 10 business days prior to the first day of class.

Retake Policy – Any student who has paid in full for a class will be eligible to attend the same class at no additional charge on a space available basis. Students who retake a class must bring all associated course materials with them at the start of class. Under this policy students must attend the class within 12 months of the first day of the class the student originally attended or was scheduled to attend.

Schedules and registration

Please view our Web site www.bsquare.com for information on schedule and registration. You can e-mail us at training@bsquare.com to discuss how we can deliver any of our classes on-site for the convenience of your development team.

About 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 become a trusted partner to smart device makers worldwide.

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