S3C2450 Mango24R2 How to build Wince 6.0

http://www.mangoboard.com/
http://cafe.naver.com/embeddedcrazyboys
Crazy Embedded Laboratory

Document History

Revision	Date	Change note

목차

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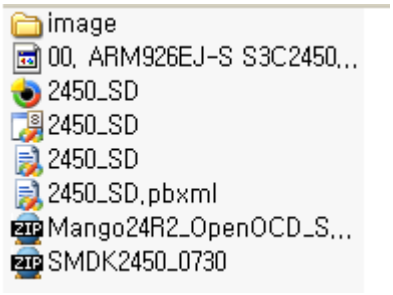
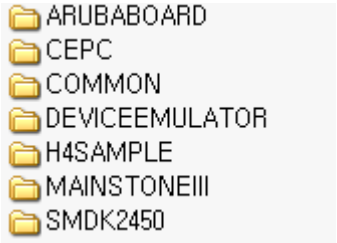
1. Mango24R2 WinCE Build

1.1. 다운로드 및 준비

다운로드 : http://crztech.iptime.org:8080/Release/mango24R2_S3C2450/wince60/2012_0730/
다운을 받아 풀어 줌

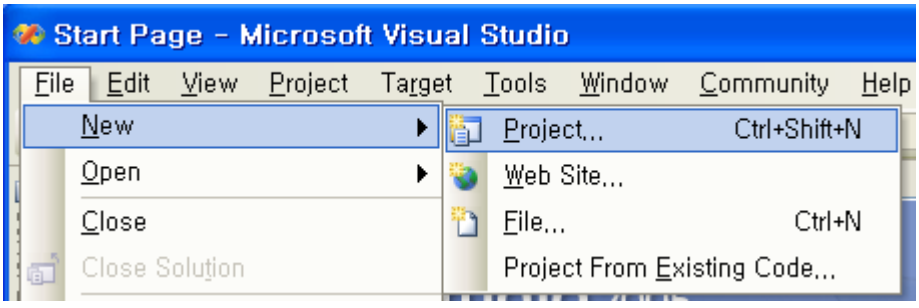


SDK2450_0730.zip을 풀어 주고 압축을 풀어준 폴더를 "C:₩WINCE600₩PLATFORM"위치로 이동 후 SMDK2450으로 변경



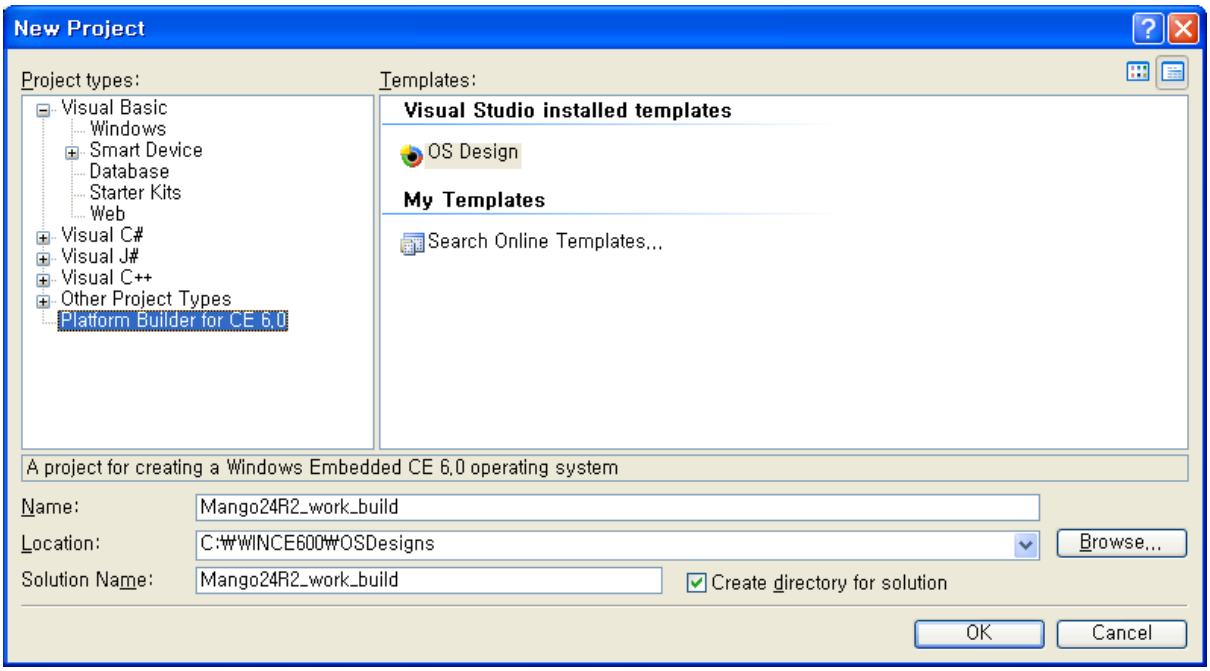
Microsoft Visual Studio 2005 실행

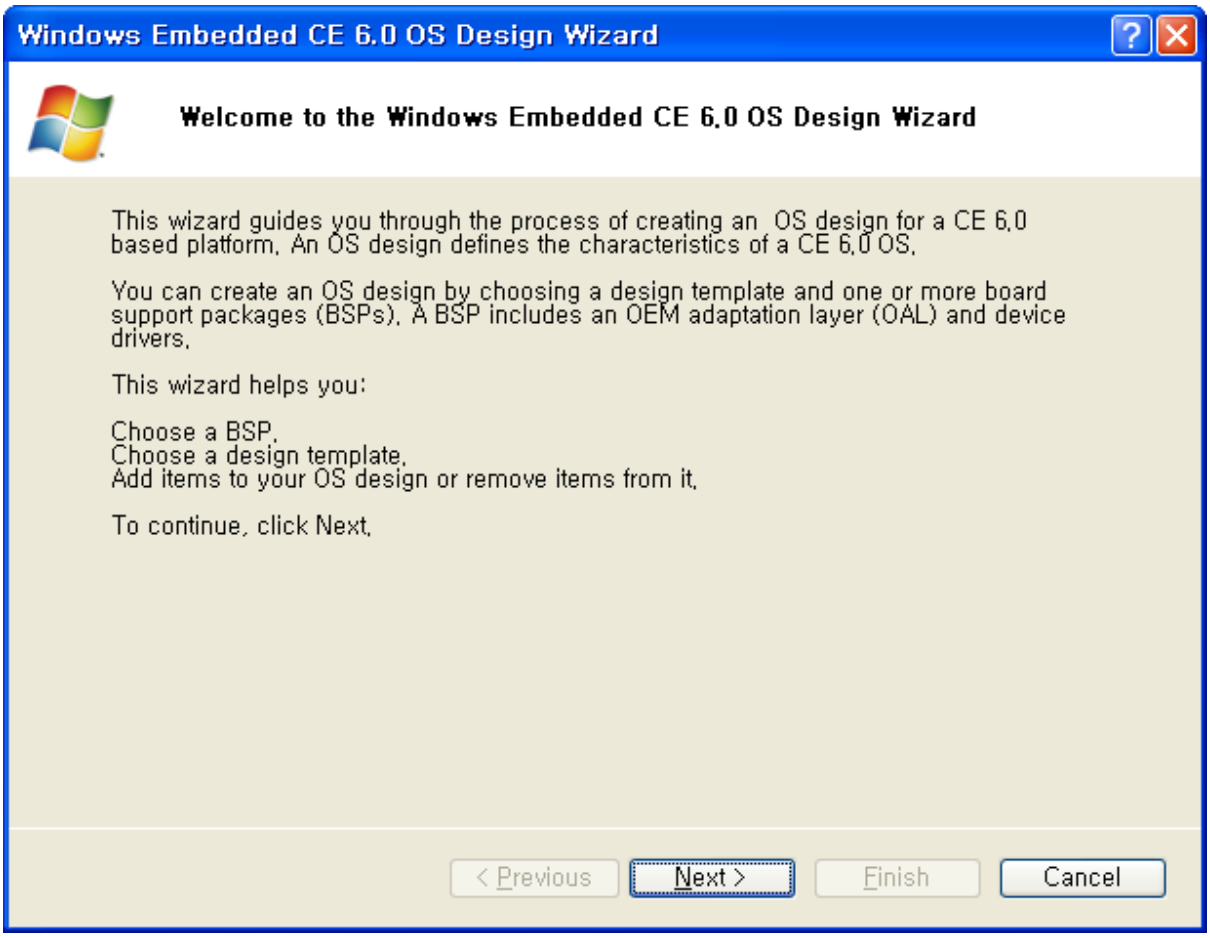
File -> New -> Project 실행

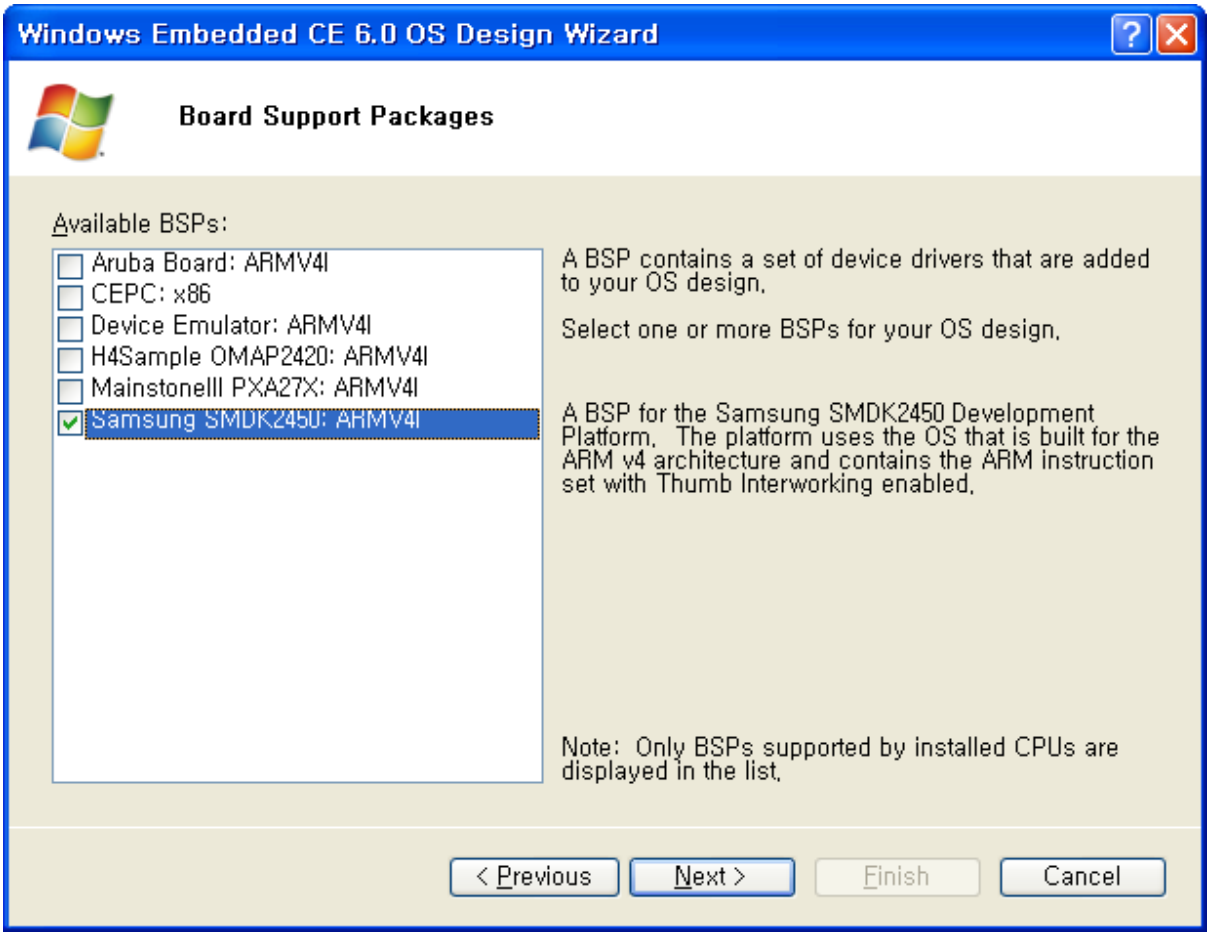


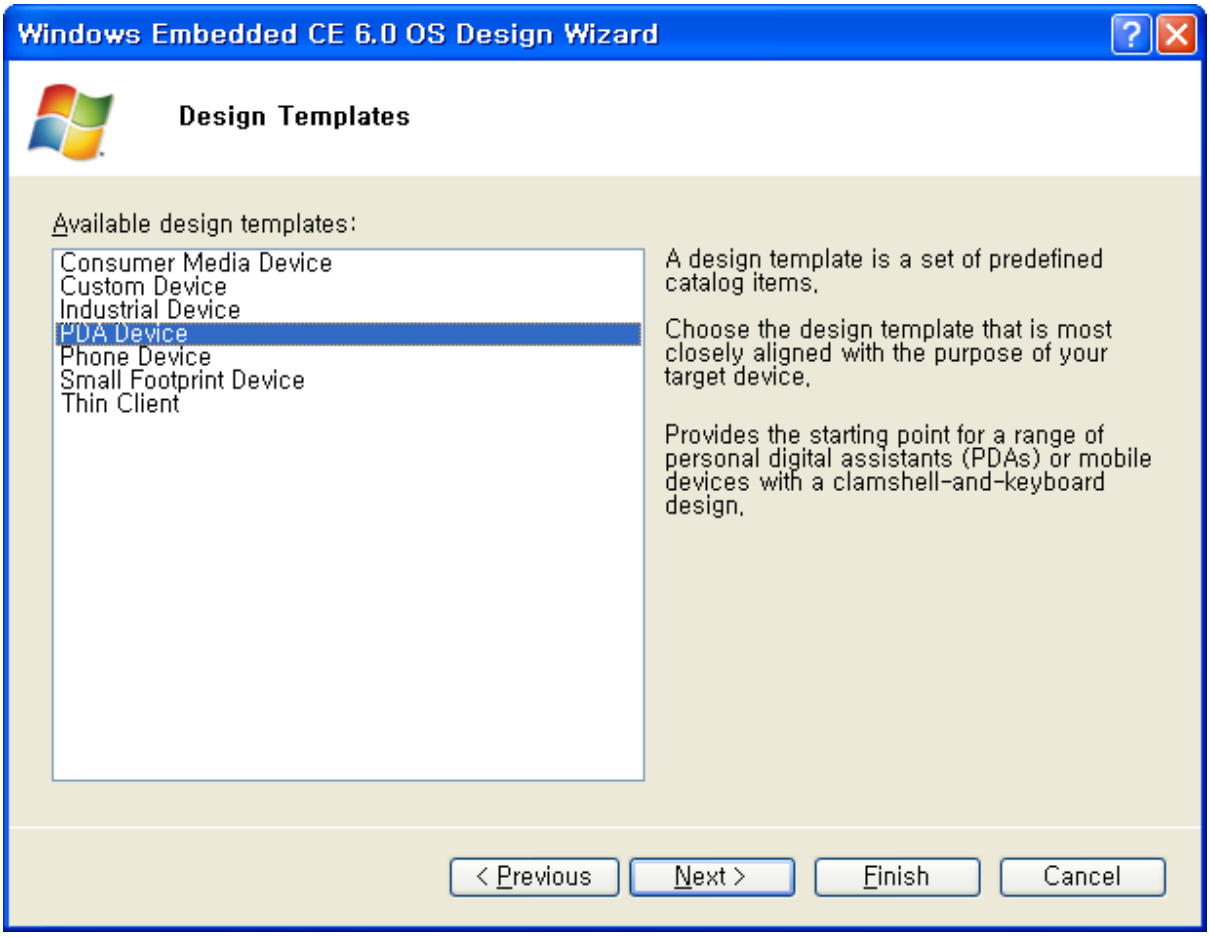
아래와 같은 창이 나오면 왼쪽에 Platfom Builder for CE6.0 선택 후 OS Design 선택 그리고

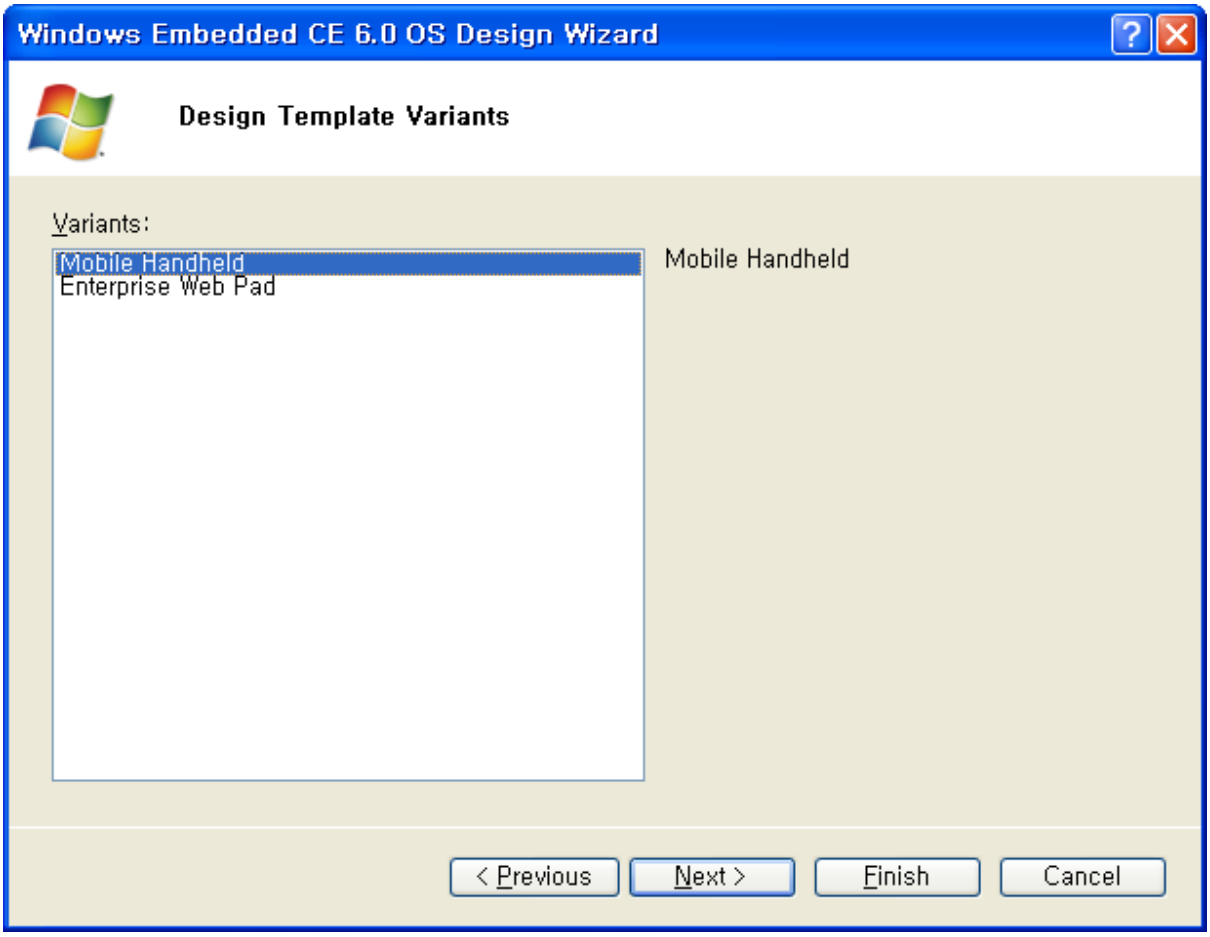
Name (Mango24R2_Work_Build)을 설정 후 "OK" 클릭

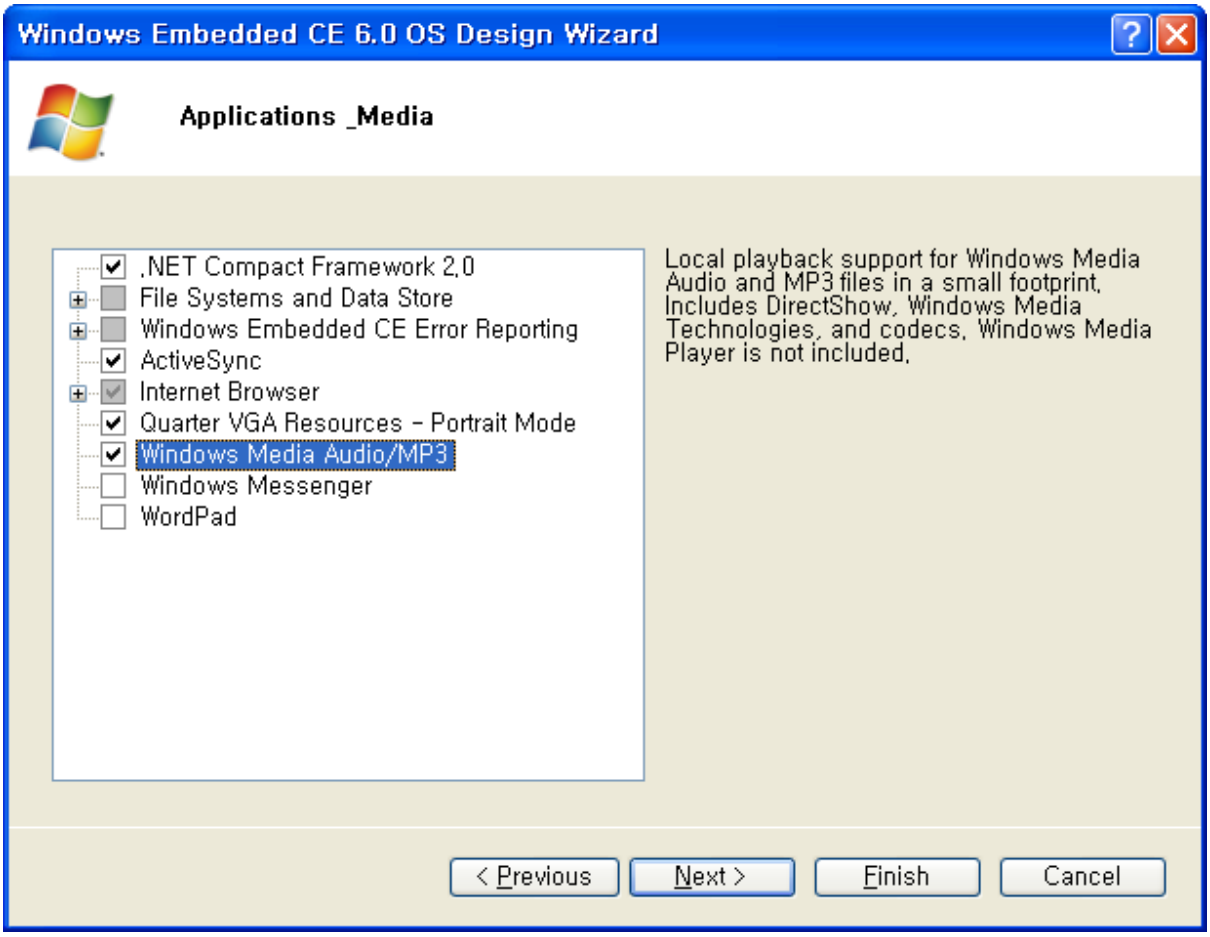


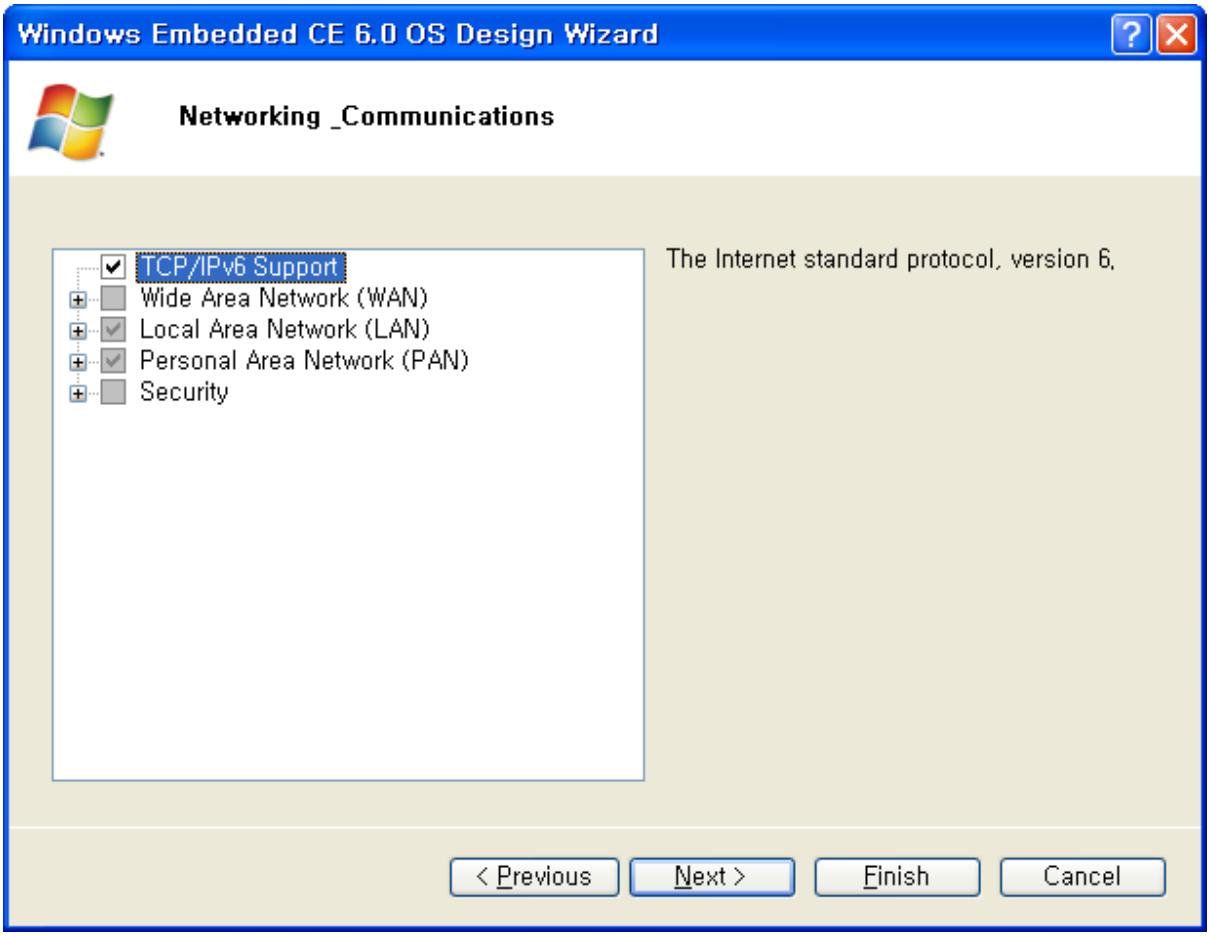


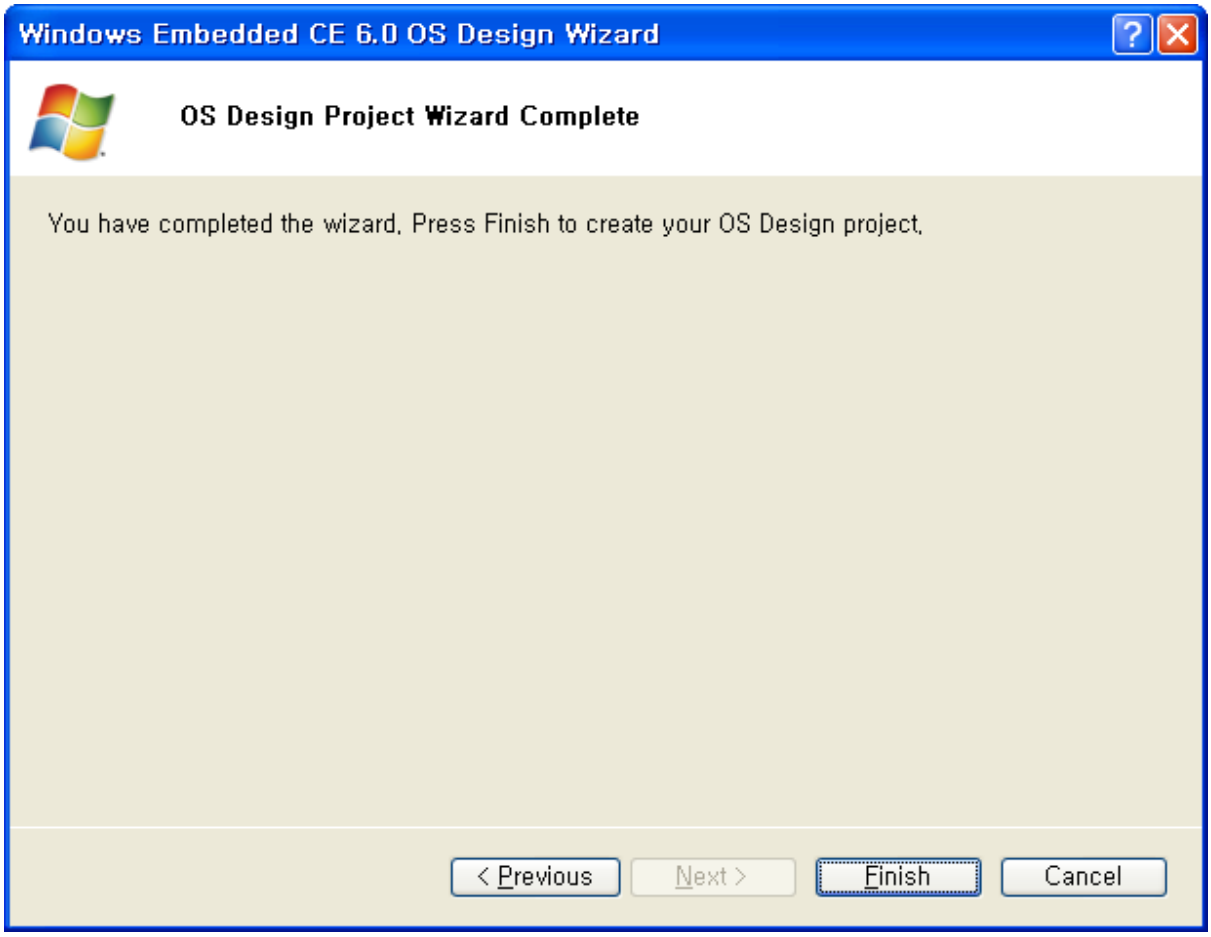

Windows Embedded CE 6.0 OS Design Wizard
Board Support Packages
Available BSPs:
Aruba Board: ARMV4I
CEPC: x86
Device Emulator: ARMV4I
H4Sample OMAP2420: ARMV4I
MainstoneIII PXA27X: ARMV4I
Samsung SMDK2450: ARMV4I
A BSP contains a set of device drivers that are added to your OS design.
Select one or more BSPs for your OS design.
A BSP for the Samsung SMDK2450 Development Platform. The platform uses the OS that is built for the ARM v4 architecture and contains the ARM instruction set with Thumb Interworking enabled.
Note: Only BSPs supported by installed CPUs are displayed in the list.
< Previous
Next >
Finish
Cancel


Windows Embedded CE 6.0 OS Design Wizard
Design Templates
Available design templates:
Consumer Media Device
Custom Device
Industrial Device
PDA Device
Phone Device
Small Footprint Device
Thin Client
A design template is a set of predefined catalog items.
Choose the design template that is most closely aligned with the purpose of your target device.
Provides the starting point for a range of personal digital assistants (PDAs) or mobile devices with a clamshell-and-keyboard design.
< Previous
Next >
Finish
Cancel


Windows Embedded CE 6.0 OS Design Wizard
Design Template Variants
Variants:
Mobile Handheld
Enterprise Web Pad
Mobile Handheld
< Previous
Next >
Finish
Cancel

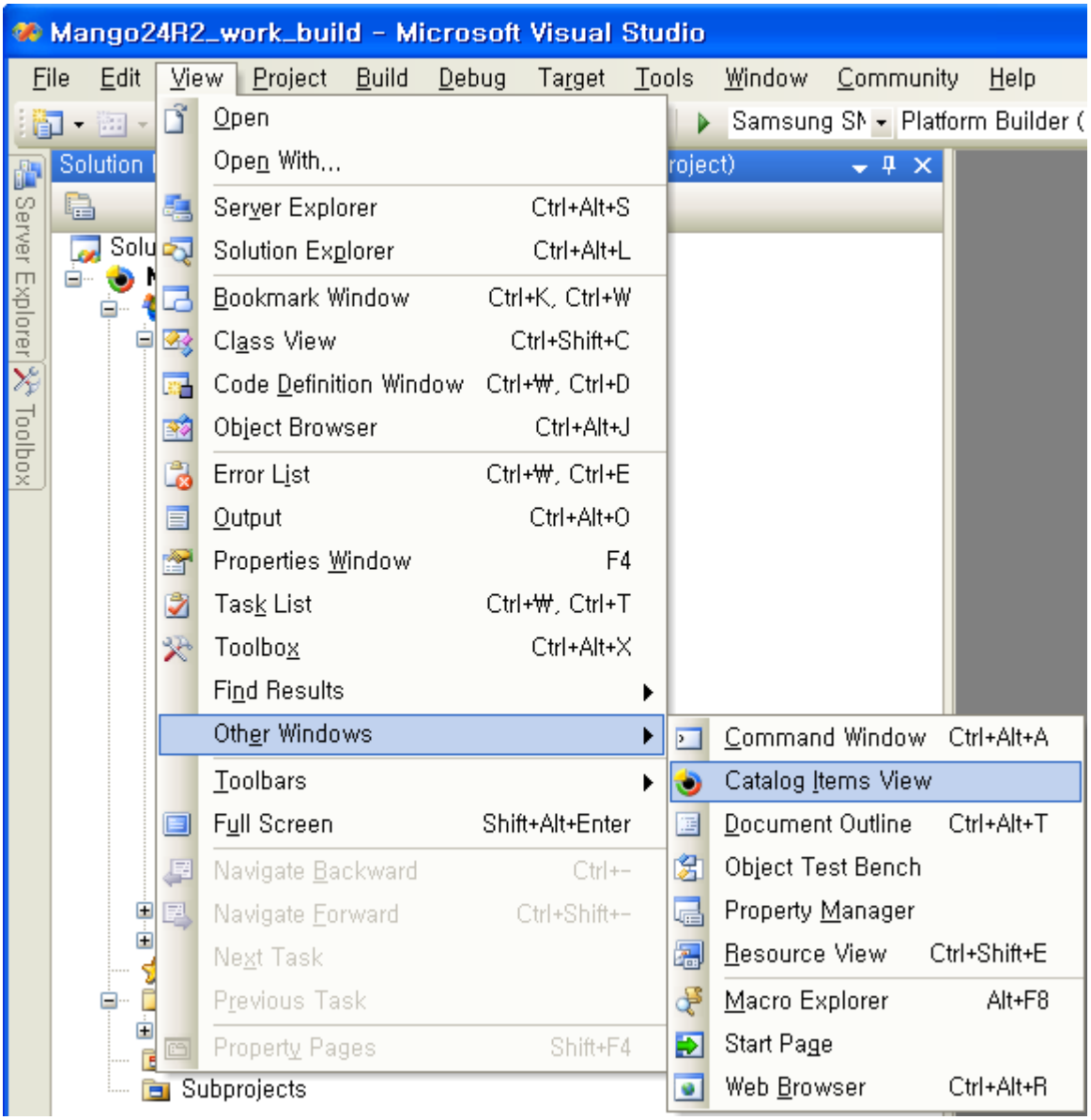

Windows Embedded CE 6.0 OS Design Wizard
Applications _Media
.NET Compact Framework 2.0
File Systems and Data Store
Windows Embedded CE Error Reporting
ActiveSync
Internet Browser
Quarter VGA Resources - Portrait Mode
Windows Media Audio/MP3
Windows Messenger
WordPad
Local playback support for Windows Media Audio and MP3 files in a small footprint. Includes DirectShow, Windows Media Technologies, and codecs. Windows Media Player is not included.
< Previous
Next >
Finish
Cancel

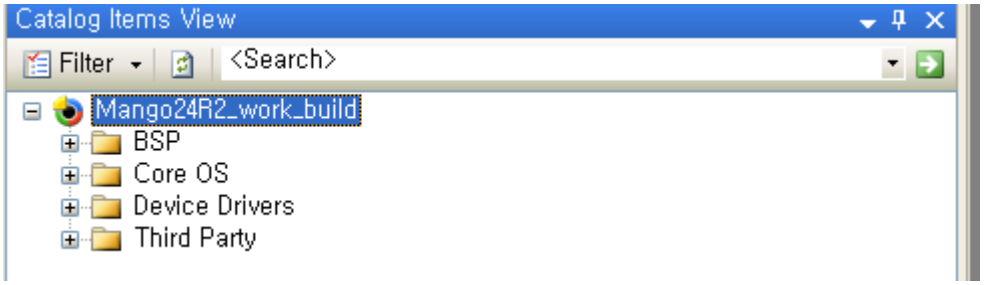

Windows Embedded CE 6.0 OS Design Wizard
Networking _Communications
TCP/IPv6 Support
Wide Area Network (WAN)
Local Area Network (LAN)
Personal Area Network (PAN)
Security
The Internet standard protocol, version 6.
< Previous
Next >
Finish
Cancel

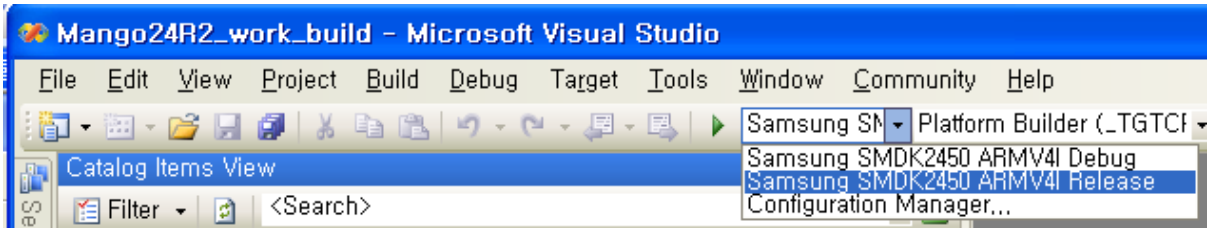

Windows Embedded CE 6.0 OS Design Wizard
OS Design Project Wizard Complete
You have completed the wizard. Press Finish to create your OS Design project.
< Previous
Next >
Finish
Cancel

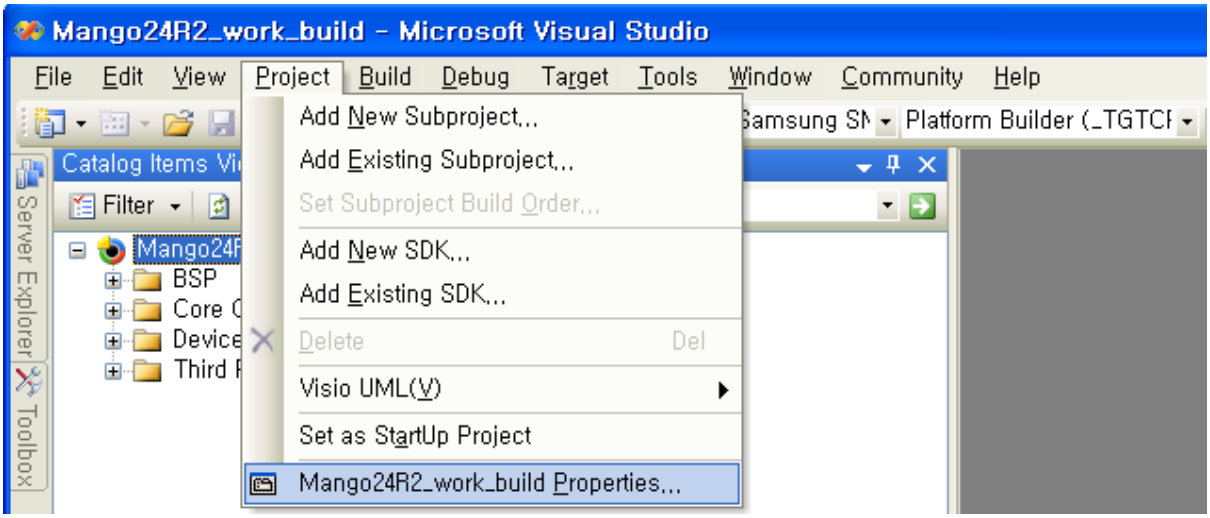
Catalog Item Notification
OBEX Server
Security Warning
Security Warning
Under certain circumstances, the Object Exchange Protocol (OBEX) catalog item can compromise the security of your platform. This catalog item poses the following potential security risks:
If proper security and authentication techniques are not used, a service that interferes with services.exe can be installed.
If proper encryption techniques are not used, OBEX running over Bluetooth could expose data packets to third parties.
To learn more about potential OBEX security risks, as well as the best practices for using this catalog item more securely, see the following topics:
OBEX Security
Enhancing the Security of a Device
Acknowledge
Cancel

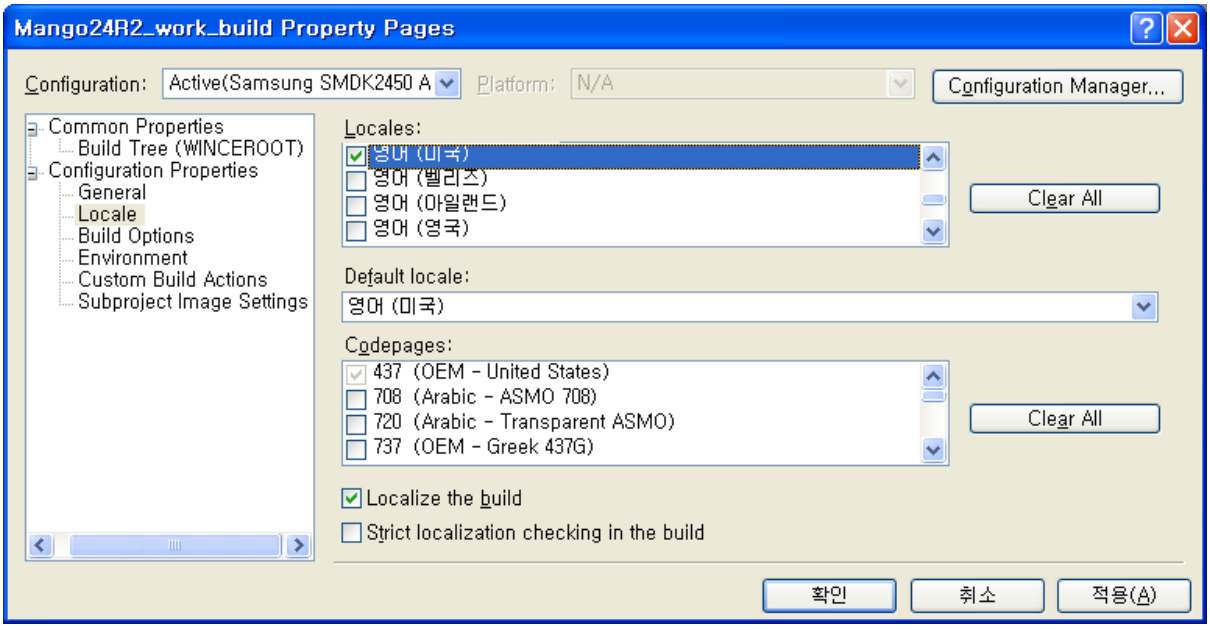
1.2. WinCE Builld

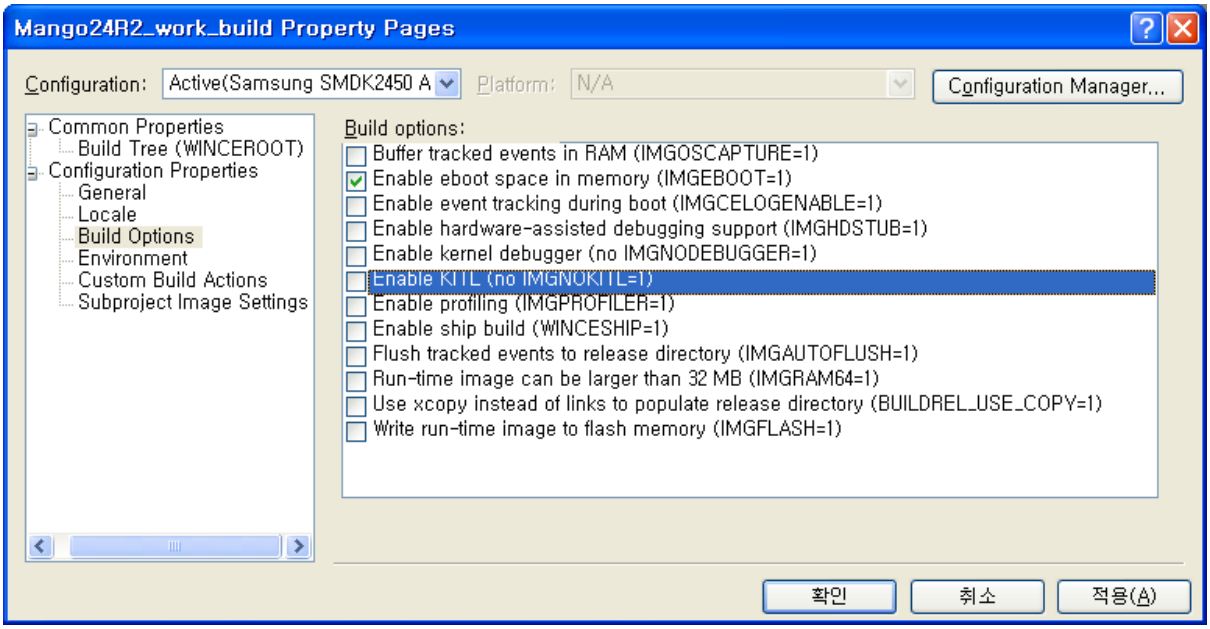


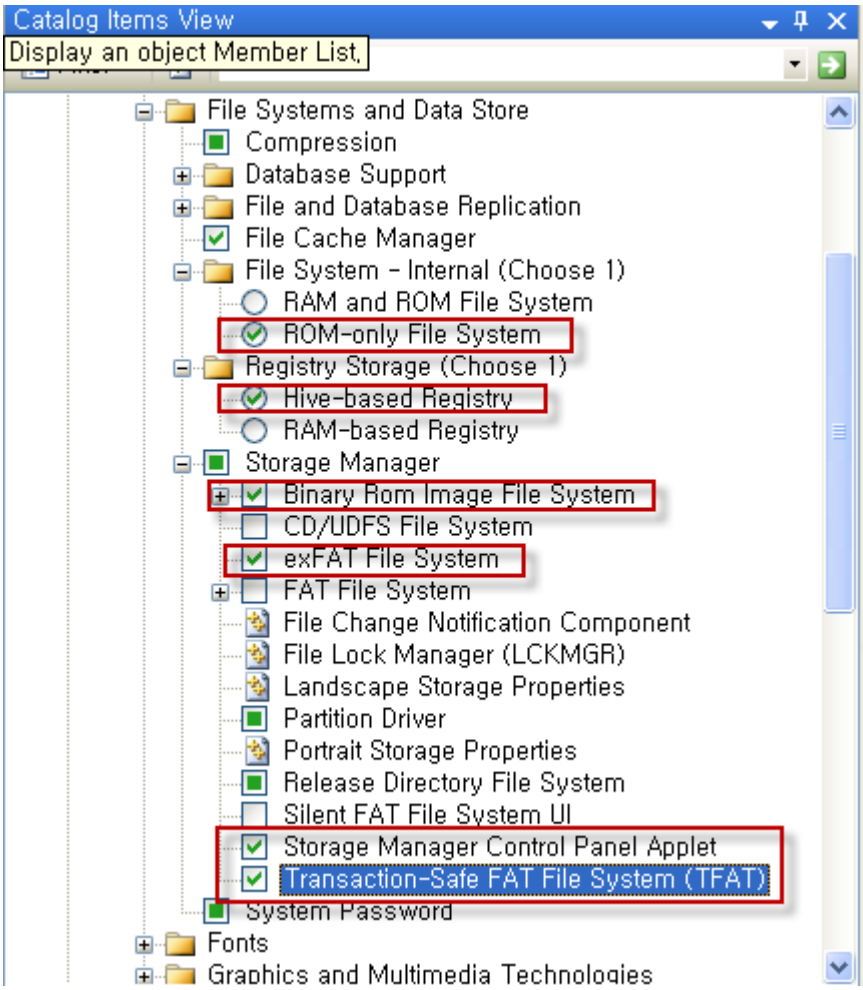


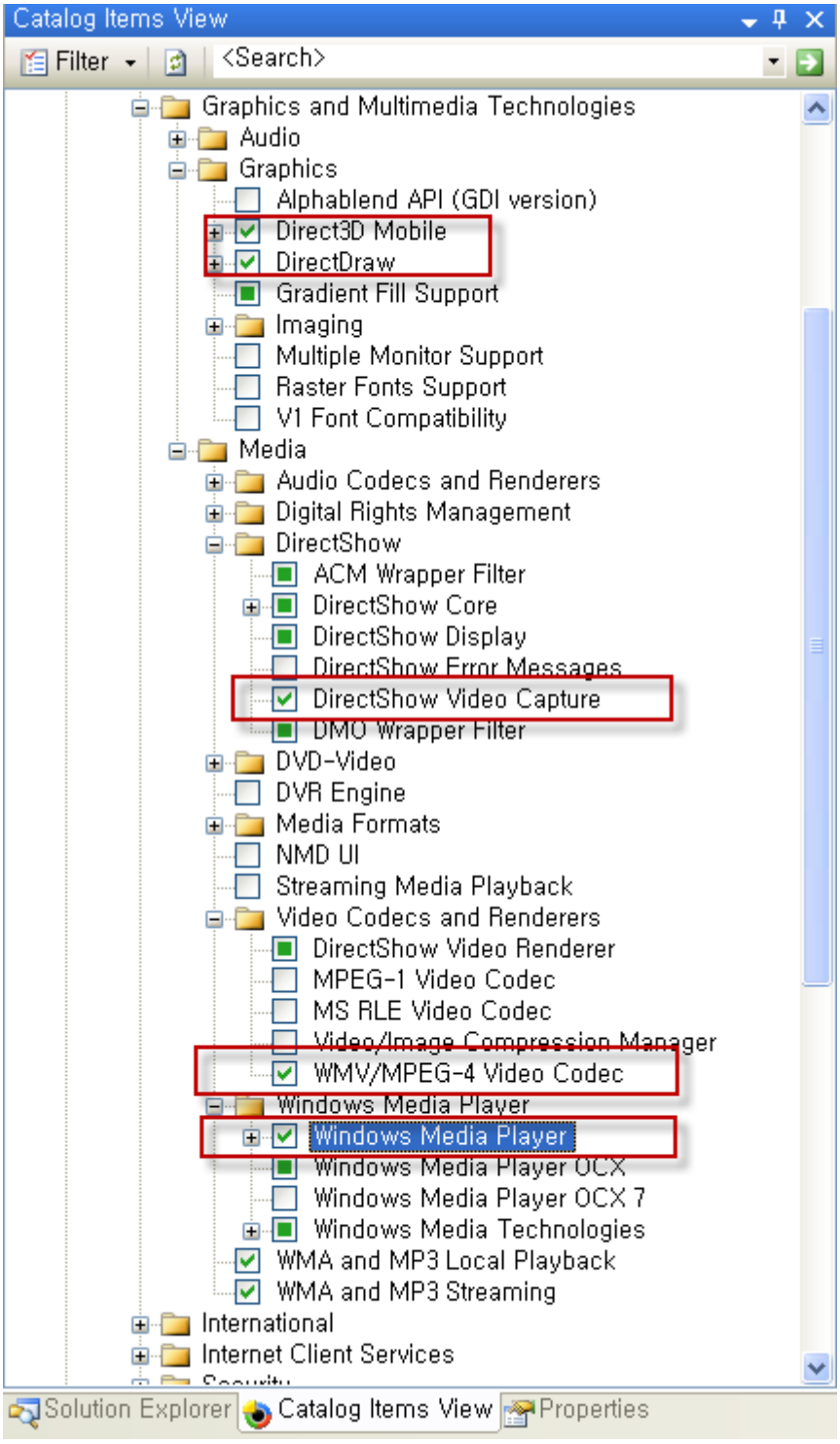

Mango24R2_work_build - Microsoft Visual Studio
File Edit View Project Build Debug Target Tools Window Community Help
Samsung SM
Platform Builder (_TGTCF
Samsung SMDK2450 ARMV4I Debug
Samsung SMDK2450 ARMV4I Release
Configuration Manager...
Catalog Items View
Filter
<Search>

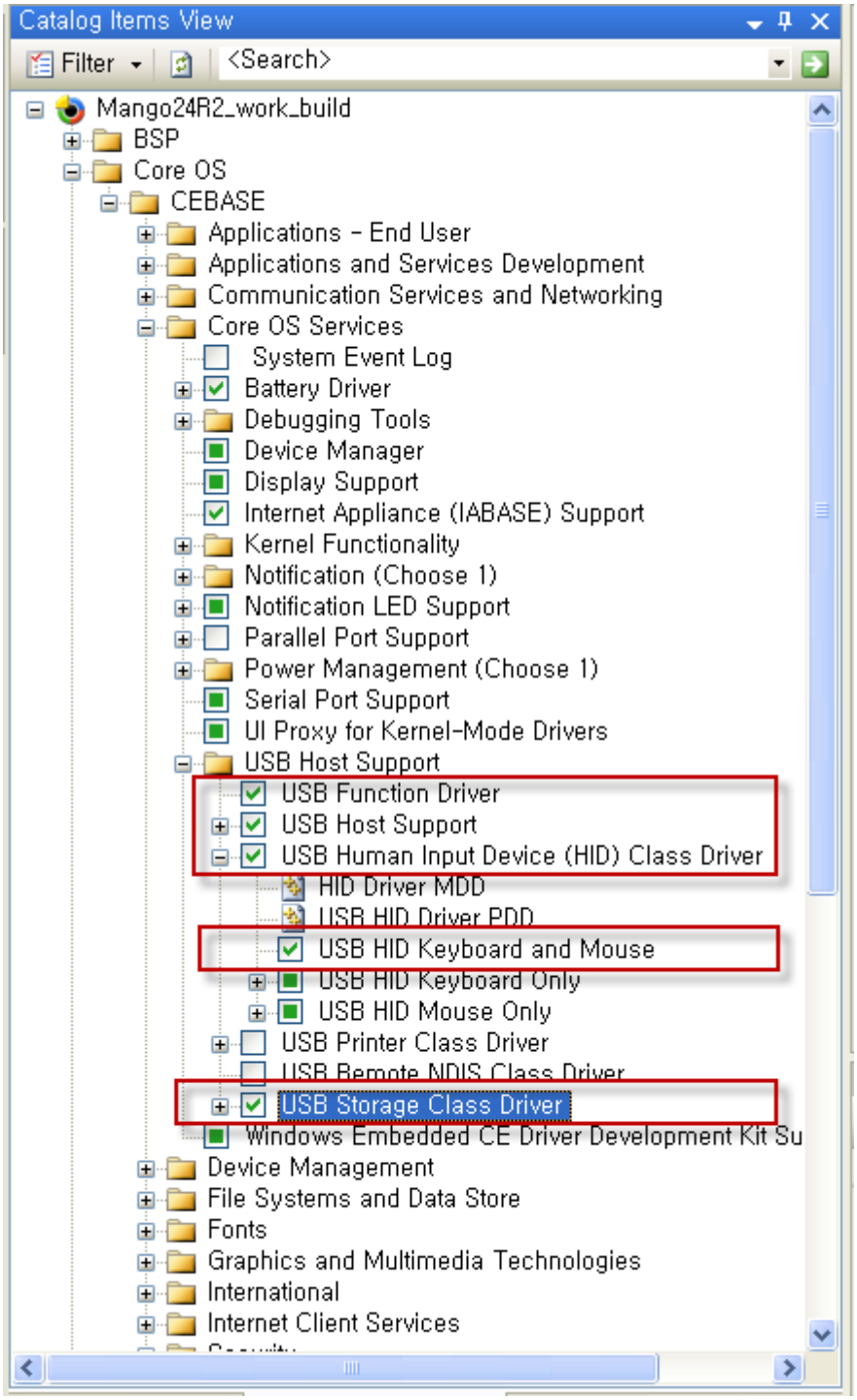

Mango24R2_work_build - Microsoft Visual Studio
File Edit View Project Build Debug Target Tools Window Community Help
Add New Subproject...
Add Existing Subproject...
Set Subproject Build Order...
Add New SDK...
Add Existing SDK...
Delete Del
Visio UML(V)
Set as StartUp Project
Mango24R2_work_build Properties...
Server Explorer
Toolbox
Filter
BSP

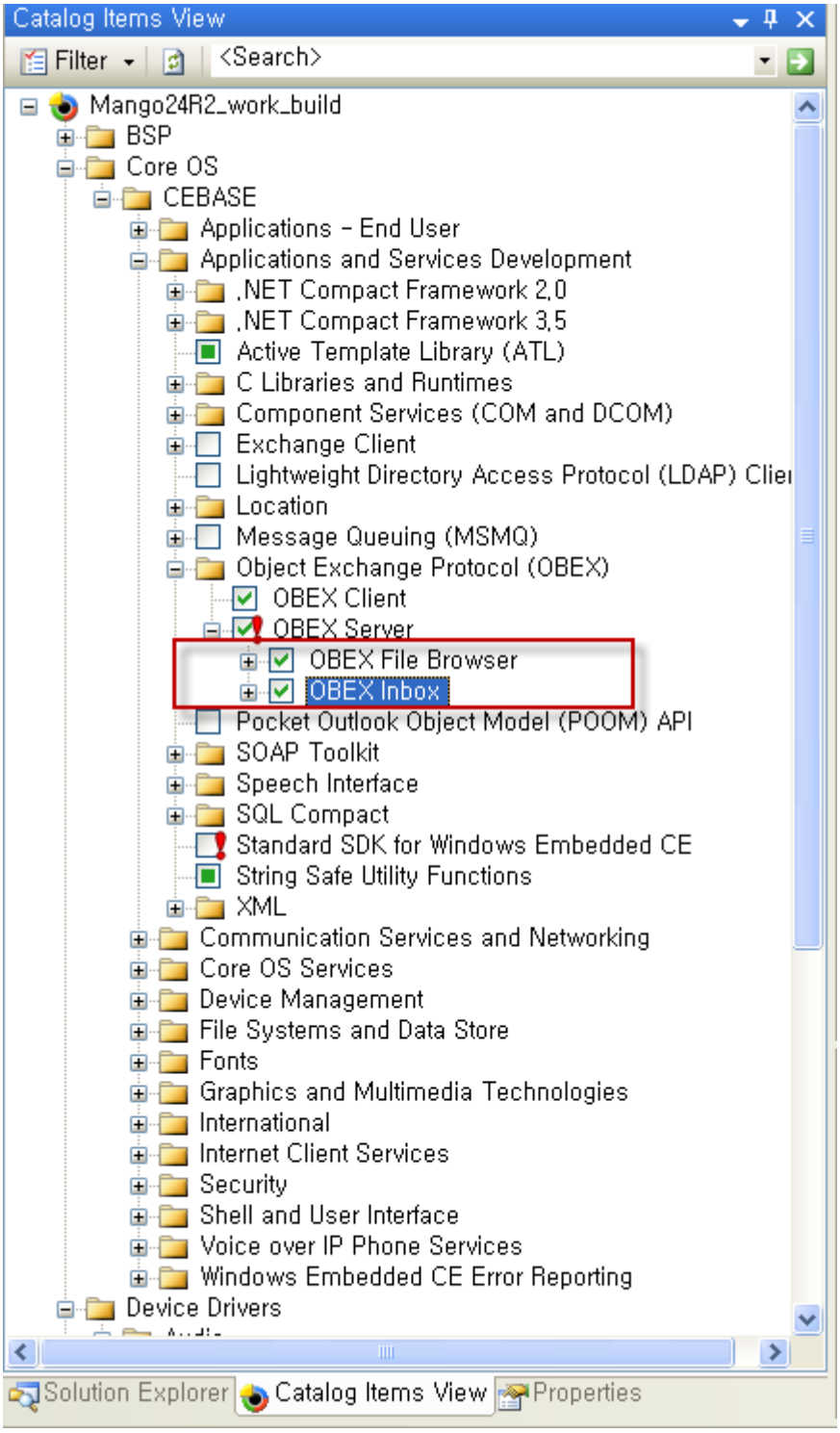

Mango24R2_work_build Property Pages
Configuration: Active(Samsung SMDK2450 A
Platform: N/A
Configuration Manager...
Common Properties
Build Tree (WINCEROOT)
Configuration Properties
General
Locale
Build Options
Environment
Custom Build Actions
Subproject Image Settings
Locales:
영어 (미국)
영어 (벨리즈)
영어 (아일랜드)
영어 (영국)
Clear All
Default locale:
영어 (미국)
Codepages:
437 (OEM - United States)
708 (Arabic - ASMO 708)
720 (Arabic - Transparent ASMO)
737 (OEM - Greek 437G)
Clear All
Localize the build
Strict localization checking in the build
확인
취소
적용(A)

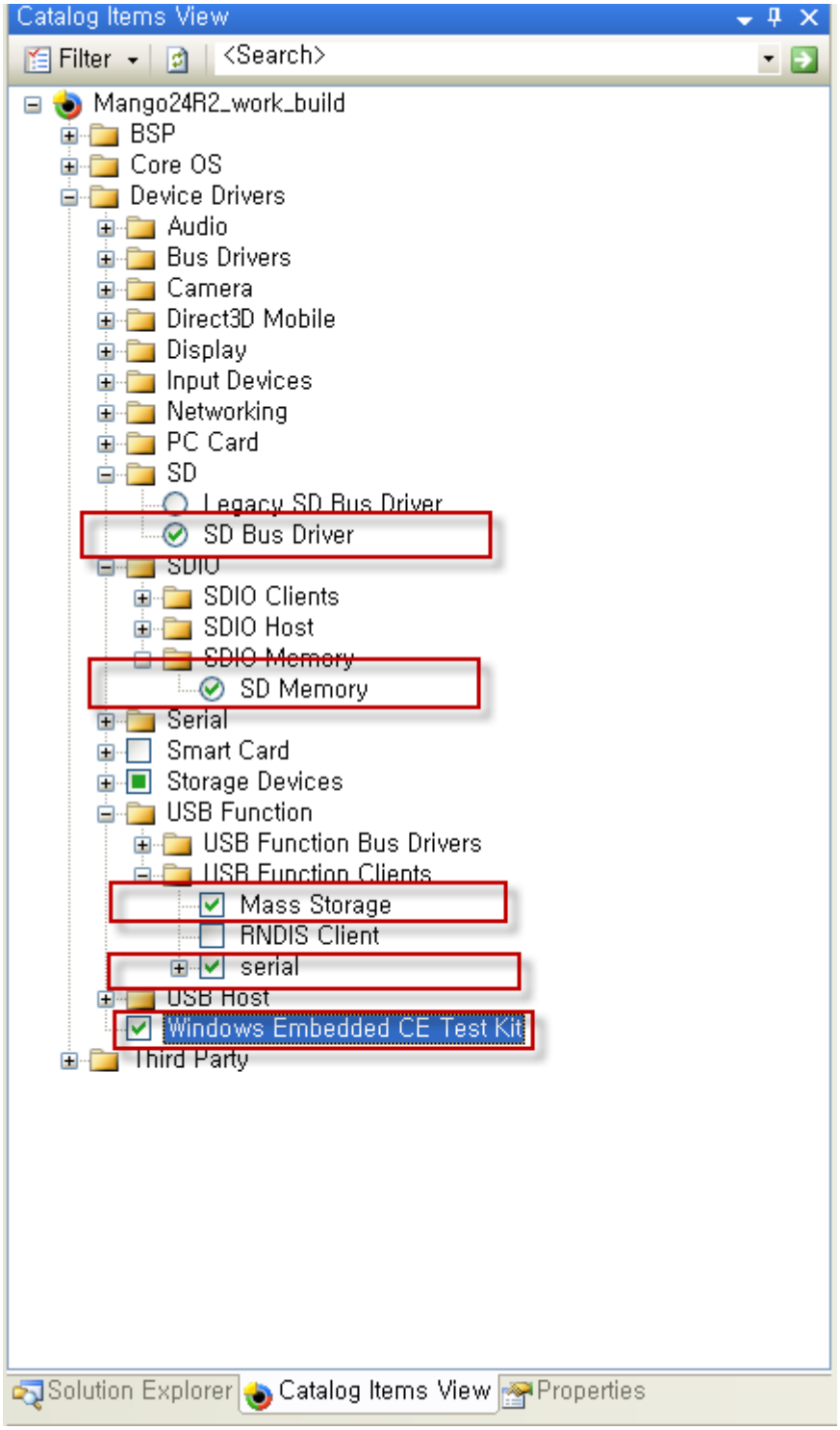

Mango24R2_work_build Property Pages
Configuration: Active(Samsung SMDK2450 A
Platform: N/A
Configuration Manager...
Common Properties
Build Tree (WINCEROOT)
Configuration Properties
General
Locale
Build Options
Environment
Custom Build Actions
Subproject Image Settings
Build options:
Buffer tracked events in RAM (IMGOSCAPTURE=1)
Enable eboot space in memory (IMGEBOOT=1)
Enable event tracking during boot (IMGCELOGENABLE=1)
Enable hardware-assisted debugging support (IMGHDSTUB=1)
Enable kernel debugger (no IMGNODEBUGGER=1)
Enable KITL (no IMGNOKITL=1)
Enable profiling (IMGPROFILER=1)
Enable ship build (WINCESHIP=1)
Flush tracked events to release directory (IMGAUTOFLUSH=1)
Run-time image can be larger than 32 MB (IMGRAM64=1)
Use xcopy instead of links to populate release directory (BUILDREL_USE_COPY=1)
Write run-time image to flash memory (IMGFLASH=1)
확인
취소
적용(A)

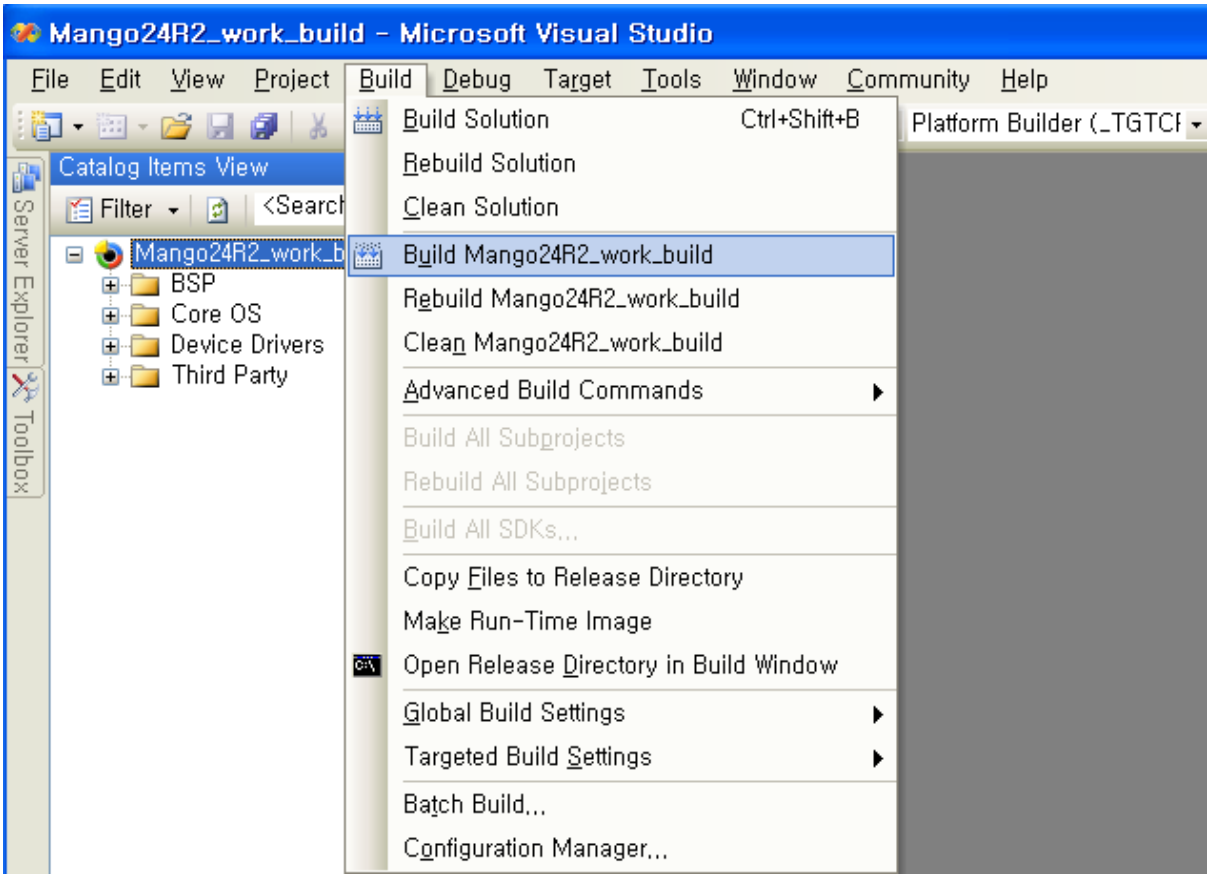

Catalog Items View
Display an object Member List.
File Systems and Data Store
Compression
Database Support
File and Database Replication
File Cache Manager
File System - Internal (Choose 1)
RAM and ROM File System
ROM-only File System
Registry Storage (Choose 1)
Hive-based Registry
RAM-based Registry
Storage Manager
Binary Rom Image File System
CD/UDFS File System
exFAT File System
FAT File System
File Change Notification Component
File Lock Manager (LCKMGR)
Landscape Storage Properties
Partition Driver
Portrait Storage Properties
Release Directory File System
Silent FAT File System UI
Storage Manager Control Panel Applet
Transaction-Safe FAT File System (TFAT)
System Password
Fonts
Graphics and Multimedia Technologies

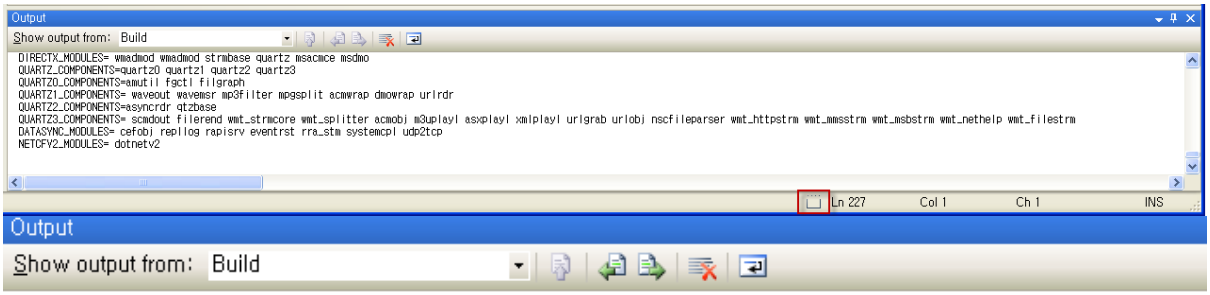

Catalog Items View
Filter
<Search>
Graphics and Multimedia Technologies
Audio
Graphics
Alphablend API (GDI version)
Direct3D Mobile
DirectDraw
Gradient Fill Support
Imaging
Multiple Monitor Support
Raster Fonts Support
V1 Font Compatibility
Media
Audio Codecs and Renderers
Digital Rights Management
DirectShow
ACM Wrapper Filter
DirectShow Core
DirectShow Display
DirectShow Error Messages
DirectShow Video Capture
DMO Wrapper Filter
DVD-Video
DVR Engine
Media Formats
NMD UI
Streaming Media Playback
Video Codecs and Renderers
DirectShow Video Renderer
MPEG-1 Video Codec
MS RLE Video Codec
Video/Image Compression Manager
WMV/MPEG-4 Video Codec
Windows Media Player
Windows Media Player
Windows Media Player OCX
Windows Media Player OCX 7
Windows Media Technologies
WMA and MP3 Local Playback
WMA and MP3 Streaming
International
Internet Client Services
Solution Explorer
Catalog Items View
Properties


Catalog Items View
Filter
<Search>
Mango24R2_work_build
BSP
Core OS
CEBASE
Applications - End User
Applications and Services Development
Communication Services and Networking
Core OS Services
System Event Log
Battery Driver
Debugging Tools
Device Manager
Display Support
Internet Appliance (IABASE) Support
Kernel Functionality
Notification (Choose 1)
Notification LED Support
Parallel Port Support
Power Management (Choose 1)
Serial Port Support
UI Proxy for Kernel-Mode Drivers
USB Host Support
USB Function Driver
USB Host Support
USB Human Input Device (HID) Class Driver
HID Driver MDD
USB HID Driver PDD
USB HID Keyboard and Mouse
USB HID Keyboard Only
USB HID Mouse Only
USB Printer Class Driver
USB Remote NDIS Class Driver
USB Storage Class Driver
Windows Embedded CE Driver Development Kit Su
Device Management
File Systems and Data Store
Fonts
Graphics and Multimedia Technologies
International
Internet Client Services


Catalog Items View
Filter
<Search>
Mango24R2_work_build
BSP
Core OS
CEBASE
Applications - End User
Applications and Services Development
.NET Compact Framework 2.0
.NET Compact Framework 3.5
Active Template Library (ATL)
C Libraries and Runtimes
Component Services (COM and DCOM)
Exchange Client
Lightweight Directory Access Protocol (LDAP) Clie
Location
Message Queuing (MSMQ)
Object Exchange Protocol (OBEX)
OBEX Client
OBEX Server
OBEX File Browser
OBEX Inbox
Pocket Outlook Object Model (POOM) API
SOAP Toolkit
Speech Interface
SQL Compact
Standard SDK for Windows Embedded CE
String Safe Utility Functions
XML
Communication Services and Networking
Core OS Services
Device Management
File Systems and Data Store
Fonts
Graphics and Multimedia Technologies
International
Internet Client Services
Security
Shell and User Interface
Voice over IP Phone Services
Windows Embedded CE Error Reporting
Device Drivers
Solution Explorer
Catalog Items View
Properties


Catalog Items View
Filter
<Search>
Mango24R2_work_build
BSP
Core OS
Device Drivers
Audio
Bus Drivers
Camera
Direct3D Mobile
Display
Input Devices
Networking
PC Card
SD
Legacy SD Bus Driver
SD Bus Driver
SDIO
SDIO Clients
SDIO Host
SDIO Memory
SD Memory
Serial
Smart Card
Storage Devices
USB Function
USB Function Bus Drivers
USB Function Clients
Mass Storage
RNDIS Client
serial
USB Host
Windows Embedded CE Test Kit
Third Party
Solution Explorer
Catalog Items View
Properties





Output

Show output from: Build

```
 C:₩WINCE600₩OSDesigns₩Mango24R2_work_build₩Mango24R2_work_build₩RelDir₩smdk2450_ARMV4I_Debug 디렉터리

2012-09-05  오후 06:36        50,272,959 NK.bin
               1개 파일          50,272,959 바이트
               0개 디렉터리  17,851,338,752 바이트 남음

BLDDEMO: CB2450 build complete.

CB2450 - 0 error(s), 538 warning(s)
========== Build: 1 succeeded or up-to-date, 0 failed, 0 skipped ==========
```