



FAQ / Application Note

Subject : How to create WinCE.NET4.1 BSP?	
FAQ Document No: S08004	Date: 2003/06/03
Model No. All Models	Rev. A1
Category: □General □H/W ■S/W □Others,	Application
Purpose : create WinCE.NET4.1 BSP and how to	use it, for example ECM-3412

- 1. Install the entire necessary device driver for your device in WinCE.NET Platform Builder.
- 2. Tool Bar \rightarrow Platform \rightarrow BSP Wizard

🚯 Eile Edit View Project P	'l <u>atform</u> Target <u>B</u> uild <u>T</u> ools <u>W</u> i	ndow <u>H</u> elp
No. 100 (100 (100 (100 (100 (100 (100 (100	<u>R</u> esolve Feature(s) <u>Anchor Feature(s)</u> Re <u>f</u> resh Features	🔁 阳
3610	Review Special Notifications Insert Feature Dependencies Settings	
⊕	<u>Configure SDK</u> Build SDK	Stal
	BSP <u>W</u> izard	Getting S
	Export Wizard	What's Ne Online Co

3. Click "next", then select "Clone an existing BSP" and select the existing BSP you need below.

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to an existing	e a new ESF, clone an e: ESP.	asung Bar, or add a	nvers	
0	<u>C</u> reate a new BSP defin	ition		
۲	Clone an existing BSP			
	BSP to clone:			
	National Geode: x86	i	~	
0	A <u>d</u> d driver(s) to an exis	ting BSP		
	BSP to add driver(s)	to:		
	CEPC: x86		~	
			(The Sale

Avalue Technology Inc.

Headquarters: Tel: 886-2-8226-2345 Europe office: Tel: 45-7025-0310 US office Tel: 1-732-578-0200 Tel: 86-21-5426-3399 China office:

Fax: 886-2-8226-2777

Email: sales@avalue.com.tw

Fax: 1-732-578-0250

Email: sales.europe@avalue.com.tw Email: sales@avalue-usa.com Fax: 86-21-6495-0370 Email: sales.china@avalue.com.tw

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4. Please key in the BSP name and the information for reference below.

to import the Dar nuo the Calaby.		
Enter the BSP name, vendor, versior	n, and description for your new BSP.	
Ne <u>w</u> BSP name:		
ECM-3412		
<u>V</u> endor:	V <u>e</u> rsion:	
Evalue Technology Inc.	1 0 0 0	
Description:		
ECM-3412 BSP		

5. In BSP Directory,

key in the folder name for your BSP. Then you will find it in "c:\wince410\platform\"

Select the BSP platform directory	and CPU of your new BSP.	
BSP directory:		
ECM-3412		~
C <u>P</u> U:		
⊡emulator ⊠x86		

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7. In this step, you can configure the drivers you want to include in your BSP.

P contents:				
- 💑 ECM-3412				
	5	8 5		

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Fax: 1-732-578-0250

www.avalue.com.tw

Email: sales@avalue.com.tw Email: sales.europe@avalue.com.tw Email: sales@avalue-usa.com Fax: 86-21-6495-0370 Email: sales.china@avalue.com.tw

8. Select default drivers for your device in this step.



10. Now you have to edit "ECM-3412.bat". You can find this file in "c:\wince410\platform\ECM-3412\"

完成

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files to the appropriate folder, click Finish.

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You have to set device driver and set it enable here. For example, if you want to enable GX1 Audio driver, you have to add a line in ECM-3412.bat :

BSP_WAVEDEV_GXUAMAUD=1

To get the information, you can right click on device driver and click "setting"



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 US office
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 China office:
 Tel: 86-21-5426-3399

Fax: 886-2-8226-2777 Email

Fax: 1-732-578-0250

Fax: 86-21-6495-0370

www.avalue.com.tw

Email: sales@avalue.com.tw Email: sales.europe@avalue.com.tw Email: sales@avalue-usa.com Email: sales.china@avalue.com.tw

atform Settings		
ATIONAL GEODE: X86 Win32 (M V 3412 Control Berline Store S	General Custom Build BIB Info Environment Environment Yariables: Variable Value BSP_NOAUDIO BSP_WAVEDEV_GXUAMAUD 1 PB_REQUIRES_SYSGEN gxuSmaud	
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- 11. You can file a file named "ECM-3412.cec" in "C:\Program Files\Windows CE Platform Builder\4.10\cepb\cec". Copy it to "c:\wince410\platform\ECM-3412"
- 12. Compress the folder "c:\wince410\platform\ECM-3412" (For Ex. ECM-3412.zip") and this is BSP for ECM-3412.

How to use this BSP?

- 1. Decompress the file to "c:\wince410\platform"
- 2. Run WinCE.NET4.1 platform builder and try to import cec file(FILE→ Manage Catalog Feature)

nported catalog f	eature <u>f</u> iles:				
File	Version	Vendor	Description	~	OK
audio.cec	4.10	Microsoft	Audio Features		
display.cec	4.10	Microsoft	Display Features		Remove
irda.cec	4.10	Microsoft	IrDA Features	=	1
keybmouse.cec	4.10	Microsoft	Keyboard and Mouse Features		Import
netcard.cec	4.10	Microsoft	Ethernet Features		
parallel.cec	4.10	Microsoft	Parallel Port Features	_	Refresh
pci.cec	4.10	Microsoft	PCI Bus Features		
pomoia.cec	4.10	Microsoft	PCMCIA Features		
platmgr.cec	4.10	Microsoft	Platform Manager Features		
serial.cec	4.10	Microsoft	Serial Port Features		
usb.cec	4.10	Microsoft	USB Features		
wcetk.cec	4.10	Microsoft	Windows CE Test Kit Client		
aspen.cec	4.10	Microsoft	Aspen BSP Features		
assabet.cec	4.10	Microsoft	Assabet BSP Features	-	
boston.cec	4.10	Microsoft	Boston BSP Features	×	

3. Import "ECM-3412.cec" (You can find it in "c:\wince410\platform\ECM-3412\")

Avalue Technology Inc.

US office

Fax: 886-2-8226-2777

Fax: 1-732-578-0250

Fax: 86-21-6495-0370