如何创建并使用新的 platform

创建新 platform:

Navigate	Pro	ject Run Scripts Window Help		
rget Configi	***	New CCS Project New Energia Sketch Examples		Interpretended in the second seco
gPkg _evmAM437 _LedBlink_ev _log.o - [AR		Build Project Build All Build Configurations Build Working Set Clean Build Automatically Show Build Settings	Ctrl+B	<pre>185 var Cache = xdc.useModule('ti.s 185 var Cache = xdc.useModule('ti.s 186 Cache.enableCache = true; 187 Cache.configureL2Sram = false;/ 188 189 var Mmu = xdc.useModule('ti.sys 190 Mmu.enableMMU = true; 191 192 /* Force peripheral section to 193 var peripheralAttrs = {</pre>
soc.o - [AR oc.o - [ARM led_blink.o	L, Ĉ,	Import CCS Projects Import Legacy CCSv3.3 Projects Add Files		194 type : Mmu.FirstLevelDesc_ 195 tex: 0, 196 bufferable : false,
_soc.o - [AF ojs.opt evmAM437	S	RTSC Tools Import Energia Sketch Import Energia Libraries	Þ	Path able : false, Platform Edit/View 200 ;; New
LedBlink_ev LedBlink_ev log.d		C/C++ Index Properties	ŀ	201 202/* Define the base address of t 203 var peripheralBaseAddr = 0x44DF 204

package name, 选择 device family 和 device name.

Platform package 'myBoard' exists in repository C:\Users \a0220235\myRepository\packages					
Platform Package Details					
Package Na	ne:	myBoard			
Platform Package Repository: C:\Users\a0220235\myRepository\packa			Browse		
C Add Repo	sitory to Project	Package Path			
Device Details					
Device Family cortexa9					
Device Nam	e AM437X		-		

Next 后点 import..按钮,导入一个现有的 platform。

evice Memory		
Name	Salact Diatform	Access
_2SRAM 0>		RWX
CMCRAM 0>	Platform List ti.platforms.evmAM437X -	RWX
Customize Memory	OK Cancel	
xternal Memory		

下面就可以按照需求对新的 platform 进行配置,最后点 finish 进行保存。

Page 2 of 2 - Dev	ice Page				
Enter Details for de	vice				
Device Details					
Device Name	AM437X				
Device Family	Device Family cortexa9				
Clock Speed (MHz) 80.0					
Device Memory					
Name	Base	Length	Space	Access	
L2SRAM	0x40500000	0x00040000	code/data	RWX	
OCMCRAM	0x40300000	0x00020000	code/data	RWX	
Customize Mem	ory				
Name	Base	Length	Space	Access	
EXT_RAM	0x80000000	0x08000000	code/data	RWX	
Memory Sections Code Memory: EX	「_RAM ▼ Data N	Nemory: EXT_RAM	▼ Stack Memor	y: EXT_RAM •	
?	< Back	Next >	Finish	Cancel	

使用方法:

选择已有的基于 bios 工程,右键选择属性,选择 rtsc,如下图。

Properties for GPIO_LedBlink_ev	mAM437x_armTestProject
type filter text	General \diamondsuit \checkmark \checkmark
 Resource General Build GNU Compiler Runtime Symbols Directories Optimization Preprocessor Assembler Debugging Diagnostic Options Miscellaneous GNU Linker GNU Objcopy Utility [Disa > XDCtools Debug 	Configuration: Debug [Active] Manage Configurations, Add Point am335x PDK Add Edit Remove Select All Select All Configurations Cubersha0220235\myRepository\packages
	Target: gnutargets.arm.A9F Platform: ti.platforms.evmAM437X
•	Build-profile: debug
Show advanced settings	OK Cancel

选择 other repositories,然后点右边 add..

type filter text	General			← → ⇒ →
 > Resource General > Build > C6000 Compiler Processor Options Optimization Include Options Performance Adviso > Advanced Options > C6000 Linker C6000 Linker C6000 Hex Utility [Disa > XDCtools Debug 	Select Product of Please select the p repository locatio Code Composer S Product Select product Select reposit	or Repository	Mana	ge Configurations.
	Target: Platform:	OK Cancel		Select All Deselect All

然后选择自己创建 platform 的目录。

这样就可以选到刚刚创建的 platform 了。

有的 CCS 有点问题,需要重新进入下面界面,然后改一下 XDCTOOLS VERSION 版本才能出现自己 创建的 platform.

	General	
Resource		
Jeneral Build	Configuration: Debug [Active]	 Manage Configuration
▲ GNU Compiler		
Runtime		
Symbols	Main Products	
Directories	XDCtools version: 3.32.1.22_core	
Preprocessor	Products and Repositories	
Assembler		
Debugging	▷ ■ am335x PDK	Add
Diagnostic Options	▼ S 1.0.7	Edit
GNU Linker	⊳ ms7xx PDK	Remove
GNU Objcopy Utility [Disa	▷ 🔜 ≤665x PDK	
> XDCtools	▲ 🔽 🗟 Other Repositories	Select All
Debug	\$[AKGE1_CONTENT_BASE] [C:/ti/ccsv//ccs_base]	Deselect All
		•
	Target: gnu.targets.arm.A9F	
	Platform: ti platforms evmAM437X	
4 111	Build-profile: debug	
Show advanced settings		OK Cancal
		Calicer
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Main ➡ Products OCtools version: 3.50. A Products and Reposi CTools Librar CTools Lib	2.20_core itories ♣ Order y + Level Driver omponents s.arm.A9F	Add Edit Remove Select All Deselect All

然后编译就可以了。

修改 platform:

使用如下菜单掉出修改界面。



选择已有的 platform 就可以继续修改了。

😯 Edit Platform							
Page 1 of 2- Basic Information							
8 Need to select platform package							
Platform Package Details							
Platform Package Repository:	C:\Users\a0220235\myRepository\packag	Browse					
Package Name:		-					
CPU Core:	myBoard123						
1	myBoardtest testK2H						
?	Back Next > Finish	Cancel					