# Risc-v 开发

Risc-v 开发实践

北京飞利信科技股份有限公司

2018年5月

# Hello World

1 新建裸板程序工程, File > new > C Project

10
Browse
oolchains:
Cygwin RISCV GCC
if there are a super studies the sheet of the

C Project	the set that the	
Basic Settings Basic properties c	f a project	
Author	riscv	
Copyright notice	riscv	
?	< Back Next > Finish	Cancel

C Project		
Select Configur	r <b>ations</b> ns and configurations you wish to deploy on	
Project type: Toolchains: Configurations	Makefile project Cygwin RISCV GCC	
🔽 🛞 Default	E	Select all Deselect all
		Advanced settings
Use "Advanced Additional con Use "Manage	d settings" button to edit project's properties figurations can be added after project creati configurations" buttons either on toolbar or	on. on property pages.
?	<pre>K Next &gt; Finitian</pre>	sh Cancel



## 2 调试配置

参照开发环境【8】进行调试配置

### 3 调试

### 参照开发环境【9】进行调试启动

📃 Debug - bsp/apps/helloworld/helloworld.c - RISCV Design Studio					
Eile Edit Source Refactor Navigate Search Project Run Window Help					
☆ +					
	Quick Acce	ess 😰 🗟 C/C++ 🔯 Debug			
🗱 Debug 🛙 🦌 🙀 🖬 🔽 🗖	(×)= Variables 😂 💁 Breakpoints 🐇	🕅 Registers 🛋 Modules 🛛 🗖			
🔺 🧬 Thread [1] (Suspended: Signal '0' received. Description: 0 🔺	at the second	o ≪s ⊟ #* ¥ %   🖻 छ 🔻			
■ 1 main() helloworld.c:18 0x00000404	Name	Value			
📕 riscv32-unknown-elf-gdb (17/9/8 下午8:43) 🔻					
× >					
le helloworld.c ☆ c reset_handler()		🗄 Outline 🛛 🗖 🗖			
17 {	*	🗊 🖻 🖓 😿 🖋 🔍 😾 🗢			
<pre>\$ 18 printf("Hello World, %d!!!!!\n", y); 19</pre>		📱 spi.h 🔺			
20 while(1);		🔛 pulpino.h 🗉			
21 return 0;	*	🖬 stdio.h			
*	•	● y:int			
🖳 Console 🕺 🖉 Tasks 🦹 Problems 🕢 Executables 🚺 Memory 🛛 🔳 💥 🐘 🔜 🛄 🛄 💭 💽 🗹 🛨 🧮 🖚 🗎					
bsp Default [Riscv Remote Application] riscv32-unknown-elf-gdb (17/9/8 下午8:43)					
<pre>Reading symbols from E:\workspace\bsp\helloworld.elfdone. warning: Can not parse XML target description; XML support was 0x00000464 in illegal insn.handler_c () at libs/bench_lib/src/ 144 insn = *((unsigned int*)(exception_address)); Program stopped.  main () at apps/helloworld/helloworld.c:18 18 printf("Hello World, %d!!!!!\n", y);</pre>	: disabled at compile time bench.c:144	*			