目录

# 目录

目录	1
Windows-GCC-环境搭建	2
1.1 Windows-GCC-软件获取	2
1.1.1 官网链接	2
1.1.2 进入下载界面	2
1.1.3 下载软件	
1.2 Mingw-get-setup.exe 安装	
13 配置 GCC 编译器	7

## Windows-GCC-环境搭建

### 1.1 Windows-GCC-软件获取

### 1.1.1 官网链接

http://www.mingw.org/

1.1.2 进入下载界面

1.1.2 进入卜载界面	
1. 点击 Downloads 选项	
Ģ	MinGW   Minimalist GNU for ∨ x
<1	▲ 收藏 ~ □ 手机收藏夹 G 谷歌翻译
	As of June 2013 we are accepting donations. Please see the Donate page for more information on how to Donate.
	User login
@	Login
	Navigation
THE REAL PROPERTY AND	<ul> <li>About <ul> <li>Contact</li> <li>Donate</li> <li>History</li> <li>Licensing Terms</li> <li>Mailing Lists</li> <li>Privacy</li> <li>Reporting Bugs</li> <li>Submit Patches</li> <li>Sitemap</li> </ul> </li> <li>Documentation <ul> <li>Recent posts</li> <li>Feed aggregator</li> </ul> </li> </ul>
2. 下载界面	
下载链接: <u>https://osdn.net/projects/n</u>	ningw/releases/
Download File List - MinGW -	× +
	https://osdn.net/projects/mingw/releases/
	] ubuntu
	elop G Pasteoin
	Ad closed by Google
<u></u>	Report this ad Why this ad? ①
OSDN > Find Software > Software Develo MinGW - Minimal	pment > Code Generators > MinGW - Minimalist GNU for Windows > Download File List
Description + Downloads + Sour	ce Code + Ticket + Communication + News
Try stable and low cost Cloud Server	rs for FREE (http://www.vultr.com/)
Download List	

#### 1.1.3 下载软件

利用鼠标滚轮下拉到如下位置,点击下载该软件。 🗢 Download File List - MinGW - 🛛 🗙 🛛 + ΟÓ https://osdn.net/projects/min 🟫 收藏 🗸 🛄 手机收藏夹 🕒 谷歌翻译 📄 ubuntu 📄 信盈达 📄 openwrt < System Requirements Operating System: Windows 0 0 **1**0 mingw-get-setup.exe (Date: 2017-09-06, Size: 91.00 KB) 1.2 Mingw-get-setup.exe 安装 1. 双击运行该软件 名称 类型 修改日期 大小 应用程序 🍈 mingw-get-setup.exe 2018-8-3 12:02 85 KB 点击安装 2. W Installation Manager Setup To mingw-get version 0.6.2-beta-20131004-1 1 Written by Keith Marshall Copyright © 2009-2013, MinGW.org Project http://mingw.org This is free software; see the product documentation or source code, for copying and redistribution conditions. There is NO WARRANTY; not even an implied WARRANTY OF MERCHANTABILITY, nor of FITNESS FOR ANY PARTICULAR PURPOSE. This tool will guide you through the first time setup of the MinGW Installation Manager software (mingw-get) on your computer; additionally, it will offer you the opportunity to install some other common components of the MinGW software distribution. After first time setup has been completed, you should invoke the MinGW Installation Manager directly, (either the CLI mingw-get.exe variant, or its GUI counterpart, according to your preference), when you wish to add or to remove components, or to upgrade your MinGW software installation. View Licence Install Cancel 修改安装路径 3 MinGW Installation Manager Setup Tool mingw-get version 0.6.2-beta-20131004-1 **P** Step 1: Specify Installation Preferences Installation Directory C:\MinGW Change If you elect to change this, you are advised to avoid any choice of directory which includes white space within the absolute representation of its path name. User Interface Options Both command line and graphical options are available. The command line interface is always supported; the alternative only if you choose the following option to ... ☑ ... also install support for the graphical user interface. Program shortcuts for launching the graphical user interface should be installed ... Image: state of the state of ... for all users  $\boxdot$  ... in the start menu, and/or ...  $\boxdot$  ... on the desktop. selection of this option requires administrative privilege. View Licence Continue Cancel

页

共 11 页

Ъ

第4

4. 下一步操作	
	MinGW Installation Manager Setup Tool
	mingw-get version 0.6.2-beta-20131004-1
	<b>1</b>
	Step 1: Specify Installation Preferences Installation Directory
	C:\MinGW Change
	If you elect to change this, you are advised to avoid any choice of directory which includes white space within the absolute representation of its path name.
	User Interface Options Both command line and graphical options are available. The command line interface is always supported; the alternative only if you choose the following option to 
	View Licence Cancel
5. 正在安装中	
	MinGW Installation Manager Setup Tool
	mingw-get version 0.6.2-beta-20131004-1
	<b>1</b>
	Step 2: Download and Set Up MinCW Installation Manager
	Download Progress
	mingw-get-0.6.2-mingw32-beta-20131004-1-gui.tar.xz
	56.92 kB of 56.92 kB : 100 %
	Details
	×
	View Licence Continue Quit
6. 继续下一步	
	MinGW Installation Manager Setup Tool
	mingw-get version 0.6.2-beta-20131004-1
	Step 2: Download and Set Up MinGW Installation Manager
	Download Progress
	Processed 113 of 113 items : 100 %
	Details
<b>\</b> '	mingw-get: *** INFO *** setup: unpacking mingw-get-setup-0.6.2-mingw32-beta-2 0131004-1-xml.tar.xz
-	mingw-get: *** INFO *** setup: updating installation database mingw-get: *** INFO *** setup: register mingw-get-0.6.2-mingw32-beta-20131004 -1-bin.tar.xz
	<pre>mingw-get: *** INFO *** setup: register mingw-get-0.6.2-mingw32-beta-20131004 -1-gui.tar.xz mingw-get: *** INFO *** setup: register mingw-get-0.6.2-mingw32-beta-20131004</pre>
	-1-lic.tar.xz mingw-get: *** INFO *** setup: installation database updated
	View Licence Quit

7. 软件安装完成会自动打开软件,在左侧选择 Basic Setup,然后在右侧选择需安装的编译器,比如 mingw32-gcc-g++, 鼠标右键点击 Mark for Installation

Windows-GCC-环境搭建

#### C语言文档 最后更新:2018/11/22

🍈 MinGW Installat	tion Manager					- U X				
Installation Packa	ge Settings					Help				
Basic Setup	<u> </u>	Packaga	Class	Installed Version	Repository Version	Description				
All Packages			LIASS	Installed version	Repository version	A MOVER A LINE COMPANY OF A				
		mingw-developer-toolkit	bin 1.		2013072300	An MDIS Installation for MinGW Developers (meta)				
		mingw32-base	bin 1.		2013072200	A Basic MinuW Installation				
	1	mingw32-gcc-ada	bin		6.3.0-1	The GNU Ada Compiler				
		mingw32-gcc-fortran	bin		6.3.0-1	The GNU FUNTKAN Compiler				
		mingw32-gcc-g++	Unm	ark	2	The GMU C++ Compiler The CMU Chiesting Compiler				
					0.72300	A Bosic MSVS Tootallation (mata)				
		I mays base	Mari	c for Installation	012300	A Dasic mois installation (meta)				
			Mar	c for Reinstallation						
			Mar	c for Upgrade						
			Marl	c for Removal						
			-							
		<				>				
1		General Description Dana	ndencies	Installed Files V.	rsions					
		The CHU Cat Come 13								
🍈 MinGW Installa	tion Manager					- 🗆 X				
Installation Packa	ae Settinas					Help				
Basic Setup	<u>.</u>		c1	T 11 1 1 1	D 1. H 1	n tut				
All Packages		I rackage	LIASS	installed version	Repository Version	Description				
		mingw-developer-toolkit	bin		2013072300	An MSYS Installation for MinGW Developers (meta)				
		mingw32-base	bin		2013072200	A Basic MinGW Installation				
		mingw32-gcc-ada	bin		6.3.0-1	The GNU Ada Lompiler				
		mingw32-gcc-fortran	bin Lin		6.3.0-1	The GMU FURIERAN COmplier				
		mingw32 get giv	hin		6.3.0-1	The GMU Objective=C Compiler				
		msvs-hase	hin		2013072300	A Basic MSYS Installation (meta)				
						<b>`</b>				
			ndencies	Installed Files Ve	ersions					
		General Description Depe	The GHU C++ Compiler							
		General Description Depe The GHU C++ Compiler			_	_				
		General Description Depe The GHU C++ Compiler This package provides the 1	MinGW im	plementation of the (	NV C++ language compi	ler.				
		General Description Depe The GHU C++ Compiler This package provides the 1 This is an optional compor language.	MinGW im Went of t	plementation of the ( the MinGW Compiler Su	NV C++ language compi ite; you require it o	ler. nly if you wish to compile programs written in the C++				
		General Description Depe The GHU C++ Compiler This package provides the i This is an optional compor language.	MinGW im Lent of f	plementation of the ( he MinGW Compiler Su	SNV C++ language compi ite: you require it o	ler. nly if you wish to compile programs written in the C++				
		General Description Depe The GRU C++ Compiler This package provides the : This is an optional compor language.	MinGW im ent of f	plementation of the ( che MinGW Compiler Su	NV C++ language compi ite; you require it o	ler. nly if you wish to compile programs written in the C++				
		General Description Depe The GRU C++ Compiler This package provides the : This is an optional compor language.	MinGW im ent of 1	plementation of the ( the MinGW Compiler Su	WV C++ language compi ite; you require it o	ler. nly if you wish to compile programs written in the C++				
		General Description Depe The GRU C++ Compiler This package provides the 1 This is an optional compor language.	MinGW im ent of 1	plementation of the ( the MinGW Compiler Su	XV C++ language compi ite; you require it o	ler. nly if you wish to compile programs written in the C++				
		General Description Depe The GRU C++ Compiler This package provides the 1 This is an optional compor language.	MinGW im ent of 1	plementation of the ( che MinGW Compiler Su	XV C++ language compi ite: you require it o	ler. nly if you wish to compile programs written in the C++				

8. 然后点击左上角的 Installation 按钮,选择 Apply Changes,弹出对话框点击 Apply,安装对应的编辑器

	🍈 MinGW Installation M	anager					– 🗆 X
	Installation Package S	ettings					Help
	Update Catalogue Mark All Upgrades Apply Changes	2	'ackage ingw-developer-toolkit ingw32-base ingw32-goo-ada	Class bin bin bin	Installed Version	Repository Version           2013072300           2013072200           6.3.0-1	Description An MSYS Installation for MinGW Developers (meta) A Basic MinGW Installation The GNU Ada Compiler
Л	Quit	Alt+F4	ingw32-gcc-fortran	bin		6.3.0-1	The GNU FORTRAN Compiler
		<pre>     Ger     Th     Th     Th     Iar </pre>	wingw32-goorg++ mingw32-goorobjo msys-base veral Description Deper <b>e GHU C++ Compiler</b> .s package provides the M .s is an optional compon- guage.	bin bin bin ndencies TinGW im ent of t	Installed Files Ve plementation of the C the MinGW Compiler Su	6.3.0-1 6.3.0-1 2013072300 ersions RWU C++ language compi ite: you require it o	The GRU C++ Compiler The GRU Objective-C Compiler A Basic MSYS Installation (meta) ler. nly if you wish to compile programs written in the C++

第5页共11页

MinGW Installation Manager						- 🗆 ×
Installation Package Settings						Help
Basic Setup All Packages	Package	Class Instal	led Version Repo	sitory Version	Description	r MinGW Developers (meta)
	Okay to proceed? The package changes be implemented when 0 installed packages w 0 installed packages w 24 new/upgraded packages w 1ibiconv-1.14-3-mingw 1ibpthreadgc-2.10-mir mingw32-11bgom-deps 1ibgcc-6.3.0-1-mingw3 1ibint1-0.18.3.2-2-mingw32	itemised belov you choose "A vill be removed vill be upgraded vill be upgraded kages will be in maga2-011-2.tar mgw32-011-8.ta -011-tar.xz	y will App pply" App d stalled b821-1-dll-3.tar dl.meta ir.xz	ply Def	er Discard	<pre>ron r piler on (meta)</pre>

🏇 MinGW Installation Manager					_		$\times$
Installation Package Settings							Help
Basic Setup All Packages	Package	Class	Installed Version	Repository Version	Description		
ALL LAUXAGES	mingw-developer-toolkit	bin		2013072300	An MSYS Installation for MinGW Develope:	rs (meta	)
Download Package				)72200	A Basic MinGW Installation		
				)-1	The GNU Ada Compiler		
libiconv-1.14-3-mingw32	2-dll.tar.lzma			)-1	The GNU FORTRAN Compiler		
				)-1	The GNU C++ Compiler		
224.00 kB	of 676.6	58 kB	: 33 %	)-1	The GNU Objective-C Compiler		
				)72300	A Basic MSYS Installation (meta)		
	4						>
							-
	General Description Depe	ndenci es	Installed Files Ve	rsions			
1	The GHU C++ Compiler						
	This package provides the	MinGW im	plementation of the G	NV C++ language compi	ler.		
	This is an optional compo	nent of f	the MinGW Compiler Su:	te; you require it o	nly if you wish to compile programs writt	ten in tl	he C++
	language.						

9. 安装成功并完成

,



10. 查看安装是否成功,在软件上点击刚才安装的编译器,在 Installed Files 栏有安装信息,说明安装成功。

🍈 MinGW Installation Manage	ər				– 🗆 X
Installation Package Settings	s				Help
Basic Setup All Packages	Package	Class	Installed Version	Repository Version	Description
100,0803	🔲 mingw-developer-toolkit	bin		2013072300	An MSYS Installation for MinGW Developers (meta)
	mingw32-base	bin		2013072200	A Basic MinGW Installation
	mingw32-gcc-ada	bin		6.3.0-1	The GNU Ada Compiler
	🔲 mingw32-gcc-fortran	bin		6.3.0-1	The GNU FORTRAN Compiler
	mingw32-gcc-g++	bin	6.3.0-1	6.3.0-1	The GNU C++ Compiler
mingw32-goorada     bin     6.3.0-1     The GNU PARTAILETON       mingw32-goorada     bin     6.3.0-1     The GNU C++ Compiler       mingw32-goorabic     bin     6.3.0-1     The GNU Objective-C Compiler       msys-base     bin     2013072300     A Basic MSYS Installation (meta)	The GNU Objective-C Compiler				
	msys-base	bin		2013072300	A Basic MSYS Installation (meta)
				/	
	<		·		>
	General Description Deper	ndencies	Installed Files Ve	ersions	
	The GHU C++ Compiler				^
	Package: gcc-c++-6.3.0-1-mi	ngw32-b	in.tar.xz		
	This package provides the f	followin	g files:		
	bin/c++.exe				
	bin/g++.exe bin/mingw32=c++.exe				
	bin/mingw32-g++.exe				
	libexec/gcc/mingw32/6.3.0/	/cciplus	<pre>Installed Version Repository Version Description 2013072200 An MSYS Installation for MinGW Developers (meta) 2013072200 A Basic MinGW Installation 6.3.0-1 The GNU FORTRAN Compiler 6.3.0-1 The GNU C++ Compiler 6.3.0-1 The GNU Objective-C Compiler 2013072300 A Basic MSYS Installation (meta) 2013072300 A Basic MSYS Installation (meta) 3 Installed Files Versions 2-bin tar.xz eing files: </pre>		
	lib/gcc/mingw32/6.3.0/deb	ug/libst	dc++. dll. a		
	lib/gcc/mingw32/6.3.0/inc	lude/c++	/scoped_allocator		~

### 1.3 配置 GCC 编译器

1. 进入刚才安装 MinGW 的路径下,复制 bin 路径,我这里安装的是 C:\MinGW\bin

🔜   🖸 🔄 🖛   bin					– 🗆 X
文件 主页 共享 查看					~ 📀
← → ~ ↑ 📙 > 此电脑 → 本地磁盘 (C:) → MinGW → bin				<b>∨ </b> ∂ 搜索"bi	م n"
🚖 ▼ 🚱 ▼ 🛞 ▼ 📄 新建文档 📄 Copy 🕞 复数标器	Paste 🗐 R	ename 🧳 Undo	🥏 刷新 🗙 Close tab	* * *	<b>\$</b>
bin x +	Paste				
	修改日期	类型	大小		^
■ 卓面	2017-5-22 18:18	应用程序	945 KB		
T#	2017-5-22 18:18	应用程序	970 KB		
as.exe	2017-5-22 18:18	应用程序	1,694 KB		
■ 又怕	2017-5-30 04:59	应用程序	975 KB		
Note:	2017-5-22 18:18	应用程序	934 KB		
QTTabBar-Win10 🔲 cpp.exe	2017-7-25 01:03	应用程序	974 KB		
word-模板 📧 dlltool.exe	2017-5-22 18:18	应用程序	1,001 KB		
安装步骤 III dllwrap.exe	2017-5-22 18:18	应用程序	160 KB		
III elfedit.exe	2017-5-22 18:18	应用程序	148 KB		
■ 此电脑 ■ g++.exe	2017-5-30 04:59	应用程序	975 KB		
🔿 网络	2017-7-25 01:03	应用程序	973 KB		
gcc-ar.exe	2017-7-25 01:03	应用程序	70 KB		
gcc-nm.exe	2017-7-25 01:03	应用程序	70 KB		
gcc-ranlib.exe	2017-7-25 01:03	应用程序	70 KB		
III gcov.exe	2017-7-25 01:03	应用程序	605 KB		
gcov-tool.exe	2017-7-25 01:03	应用程序	583 KB		
gprof.exe	2017-5-22 18:18	应用程序	1,001 KB		~
53 个项目					

2. 右键点击电脑属性



第7页共11页



	计算机名 硬件 高级 系统保护 远程 要进行大多数更改,你必须作为管理员登录。
	设 <u>晋(S</u> )
	- 用户配置文件
~,	设置( <u>E</u> )
	启动和故障恢复 系统启动、系统故障和调试信息
	设置[]
	环境变量( <u>N</u> )
	确定 取消 应用(A)

5. 在系统变量下选择 Path,编辑

环境变量

变量	值
OneDrive	C:\Users\SongLee\OneDrive
Path	C:\Users\SongLee\AppData\Local\Microsoft\WindowsApps;
TEMP	C:\Users\SongLee\AppData\Local\Temp
ТМР	C:\Users\SongLee\AppData\Local\Temp
	新建(1) 编辑(E) 删除(D)
统变量( <u>S</u> )	
·····································	<u> </u>
ComSpec	C:\Windows\system32\cmd.exe
DriverData	C:\Windows\System32\Drivers\DriverData
NUMBER_OF_PROCESSORS	4
OS	Windows_NT
Path	C:\Windows\system32;C:\Windows;C:\Windows\System32\Wb
PATHEXT	.COM;.EXE;.BAT;.CMD;.VBS;.VBE;.JS;.JSE;.WSF;.WSH;.MSC
PROCESSOR_ARCHITECT	AMD64
	新建( <u>W</u> )

 win7系统操作方法 添加刚才复制的内容,添加之前,在末尾需要输入英文分号";",点击确定,配置系统环境变量完成。

7. win8/10 系统操作方法

	变			
	0	%SystemRoot%\system32	新建(N)	
	Pa	%SystemRoot%		
	ТЕ	%SystemRoot%\System32\Wbem	编辑(E)	
	т	%SYSTEMROOT%\System32\WindowsPowerShell\v1.0\		
		%SYSTEMROOT%\System32\OpenSSH\	浏览(B)	
		C:\Program Files (x86)\ATI Technologies\ATI.ACE\Core-Static		
			删除(D)	
				_
			上移(U)	
Y				
	系统		下移(0)	
	变			^
			编辑文本(T)	
	N			
	Da			
	D/			
	PI			~
		确定	取消	
		WOAL	*0./H	

页



系统属性					×
计算机名	硬件	高级	系统保护	远程	
要进行	大多数更i	改,你必须	须作为管理。	员登录。	•
一性能					
视觉交	如果,处理	1器计划,	内存使用,	以及虚	<sup>医</sup> 拟内存
					设置(5)
用户配	置文件				
与登录	<b>秋</b> 戸相主	的桌面谈	置		
					设置(E)
一启动和	故障恢复	[			
系统局	目动、 系统	的障和调	试信息		
					环境变量( <u>N</u> )
					Environmenter and a second
				确定	取消 应用(A)

8. 验证是否配置 OK

打开 cmd。使用 windows+r 键打开运行界面。在运行界面中输入 cmd,最后输入回车键。

<ul> <li>Windows 将根据你所输入的名称,为你打开相应的程序、 文件夹、文档或 Internet 资源。</li> <li>打开(0) mmd </li> <li>确定 取消 浏览(B)</li> </ul>	🖅 运行		×	
打开(0) cmd ~ ~ · · · · · · · · · · · · · · · · ·	٨	Windows 将根据你所输入的名称,为你打开相应的程序、 文件夹、文档或 Internet 资源。		
确定 取消 浏览(B)	打开( <u>O</u> )	emd	~	
		确定 取消 浏览(B)		

在命令行终端中输入 gcc -v 即可查看是否配置 OK。



1 页