Last updated 11/2/22

These slides walk through the installation of the MinGW tools

- MinGW
 - Open-source port of the GCC (Unix) compiler for Windows
 - Open-Source free for anyone to use
 - GCC Gnu Compiler Collection
 - Support for C, C++, Fortran
 - Compilers + libraries
 - The Eclipse software is an IDE
 - Integrated Development Environment
 - Ties tools together
 - Does not have a C/C++ compiler built in
 - We will tell Eclipse to use the MinGW tools
 - Part of the project setup

- In your browser go to <u>https://sourceforge.net/projects/mingw/files/</u>
- Download the latest version of the installer
- Go to your downloads folder and Run the mingwget-setup.exe file



Select Install

Your version will probably be different

MinGW Installation Manager Setup Tool

mingw-get version 0.6.2-beta-20131004-1



Written by Keith Marshall Copyright © 2009-2013, MinGW.org Project http://mingw.org

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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.



- Leave the default directory C:\MinGW
- Leave all the boxes as default
- Select Continue



- Wait for all files to download
- Select Continue

Step 2: Download Download Progress	and Set Up MinGW Installation Manager	
Catalogue update completed; p	please check 'Details' pane for errors.	
Processed 113	of 113 items : 100 %	
Details		
<pre>mingw-get: *** INFO *** setup: 131004-1-xml.tar.xz</pre>	unpacking mingw-get-setup-0.6.2-mingw32-beta-20	^
mingw-get: *** INFO *** setup: mingw-get: *** INFO *** setup: 1-bin tar xz	updating installation database register mingw-get-0.6.2-mingw32-beta-20131004-	
mingw-get: *** INFO *** setup: 1-oui.tar.xz	register mingw-get-0.6.2-mingw32-beta-20131004-	
mingw-get: *** INFO *** setup: 1-lic.tar.xz	register mingw-get-0.6.2-mingw32-beta-20131004-	
mingw-get: *** INFO *** setup:	installation database updated	~
View Licence	Continue Quit]

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- Click the box and select mark for installation for
 - mingw32-base, mingw32-gcc-g++, and msys-base

MinGW Installation Man	ager				_		×
Installation Package Sett	tings					Developers	<u>H</u> elp
Basic Setup	Package	Class	Installed Version	Repository Version	Description		
All Packages	mingw-developer-tool.	, bin		2013072300	An MSYS Installation for MinGW	Develop	ers (m
	hingw32-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		
	ningw32-gcc-g++	bin		6.3.0-1	The GNU C++ Compiler		
	mingw32-gcc-objc	bin		6.3.0-1	The GNU Objective-C Compiler		
	🔄 🔄 nsys-base	bin		2013072300	A Basic MSYS Installation (meta)	
	<						
	General Description Des	andencie	e Installed Files M	ersions			
	certain judicious additions	and delet	ions, the set of tools	originally installed by t	he old MSYS monolithic installers.		

Select Installation -> Apply Changes

FII	🍈 MinGW Installation	n Manager				
	Installation Package	Settings				
	Update Catalogue			Package	Class	Installed Ve
	Mark All Upgrades			mingw-developer-tool	bin	
0	Apply Changes			mingw32-base	bin	
-	117 2			mingw32-gcc-ada	bin	
	Quit	Alt+F4		mingw32-gcc-fortran	bin	
			9	mingw32-gcc-g++	bin	
				minaw22 and obje	hin	

Schedule of Pending Actions

Select Apply

-	Okay to proceed? The package changes itemised below will be implemented when you choose "Apply" Defer Discard	
	0 installed packages will be removed	
Γ		^
L	O installed an element will be unreaded	~
F	o installed packages will be upgraded	
		^
L		V
	59 new/upgraded packages will be installed	
1 1 1	ibiconv-1.14-3-mingw32-dll-2.tar libpthreadgc-2.10-mingw32-pre-20160821-1-dll-3.tar.xz ningw32-libgomp-deps-5.3.0-mingw32-dll.meta libgcc-6.3.0-1-mingw32-dll-1 tar.xz	
i	libintl-0.18.3.2-2-mingw32-dll-8.tar.xz	~

- In Windows File Manager
 - Traverse to C: verify MinGW is there
 - Push into MinGW verify the following directories are there



