

Original Sourceforge SVN: <http://sourceforge.net/projects/atomicparsley/>

WEZ Bitbucket HG fork: <https://bitbucket.org/wez/atomicparsley>

Sheild007 Fork of WEZ, also Bitbucket HG: <https://bitbucket.org/shield007/atomicparsley>

Builds of WEZ Bitbucket for Windows, including build script:

<https://bitbucket.org/jonhedgerows/atomicparsley/wiki/Building%20for%20Windows>

## Attempt clean install of MinGW, build of WEZ

Install from: <http://mingw.org/>

<http://sourceforge.net/projects/mingw/files/>

<https://sourceforge.net/projects/mingw/files/latest/download>

<http://sourceforge.net/projects/mingw/files/latest/download?source=files>

all point to: mingw-get-setup.exe

## MinGW Installation Manager Setup Tool

mingw-get version 0.6.2-beta-20131004-1



Written by Keith Marshall

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<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.

View Licence

Install

Cancel

MinGW Installation Manager Setup Tool

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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 ...

... just for me (the current user), or ...  ... for all users \* ...

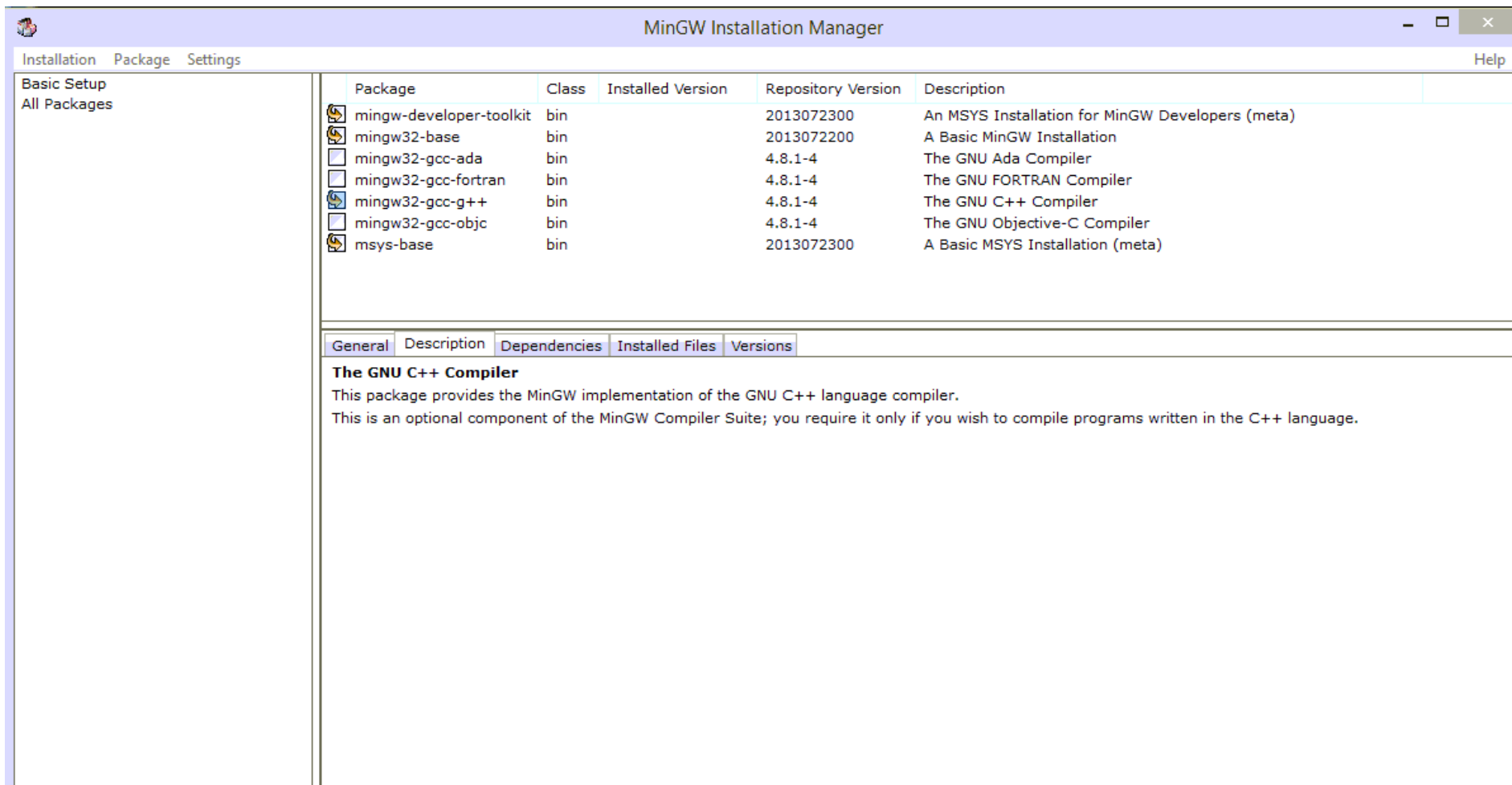
... in the start menu, and/or ...  ... on the desktop.

\* selection of this option requires administrative privilege.

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Continue

Cancel



Mark these for install:

- mingw-developer-toolkit
- mingw32-base
- mingw32-gcc-g++
- msys-base

Then apply changes.

Go back into installer, add libz dev.

The screenshot shows the MinGW Installation Manager window. The left sidebar contains a tree view with categories: Basic Setup, All Packages, MinGW (MinGW Base System, MinGW Libraries, MinGW Contributed, MinGW Autotools), MSYS (MSYS Base System, MinGW Developer Toolkit, MSYS System Builder). The main area displays a table of installed and available packages. The package 'mingw32-libz' is selected, and its details are shown in the bottom pane.

Package	Class	Installed Version	Repository Version	Description
<input checked="" type="checkbox"/> mingw32-libtool	bin	2.4-1	2.4-1	A shared library generation tool
<input type="checkbox"/> mingw32-libtool	doc		2.4-1	A shared library generation tool
<input type="checkbox"/> mingw32-libtool	lic		2.4-1	A shared library generation tool
<input type="checkbox"/> mingw32-libunistring	dev		0.9.3-1	libunistring: Library for manipulating Unicode strings
<input type="checkbox"/> mingw32-libunistring	dll		0.9.3-1	libunistring: Library for manipulating Unicode strings
<input type="checkbox"/> mingw32-libunistring	doc		0.9.3-1	libunistring: Library for manipulating Unicode strings
<input type="checkbox"/> mingw32-libunistring	lic		0.9.3-1	libunistring: Library for manipulating Unicode strings
<input checked="" type="checkbox"/> mingw32-libz	dev		1.2.8-1	A Massively Spiffy Yet Delicately Unobtrusive Compression Library
<input checked="" type="checkbox"/> mingw32-libz	dll	1.2.8-1	1.2.8-1	A Massively Spiffy Yet Delicately Unobtrusive Compression Library
<input type="checkbox"/> mingw32-lua	bin		5.2.0-1	Lua Embedded Scripting Language Interface
<input type="checkbox"/> mingw32-lua	dev		5.2.0-1	Lua Embedded Scripting Language Interface
<input type="checkbox"/> mingw32-lua	dll		5.2.0-1	Lua Embedded Scripting Language Interface
<input type="checkbox"/> mingw32-lua	doc		5.2.0-1	Lua Embedded Scripting Language Interface
<input type="checkbox"/> mingw32-lua	lic		5.2.0-1	Lua Embedded Scripting Language Interface
<input type="checkbox"/> mingw32-lua	man		5.2.0-1	Lua Embedded Scripting Language Interface
<input checked="" type="checkbox"/> mingw32-mingw-get	bin	0.6.2 beta 20131	0.6.2 beta 20131	MinGW Package Download and Installation Tool

**A Massively Spiffy Yet Delicately Unobtrusive Compression Library**  
SubSystem: mingw32  
Package Name: mingw32-libz  
Component Class: dev  
Installed Version: none  
Repository Version: libz-1.2.8-1-mingw32-dev-1.tar  
Package URL: <http://prdownloads.sourceforge.net/mingw/zlib-1.2.8-1-mingw32-dev.tar.lzma?download>  
Licence URL: <http://prdownloads.sourceforge.net/mingw/zlib-1.2.8-1-mingw32-lic.tar?download>  
Source URL: <http://prdownloads.sourceforge.net/mingw/zlib-1.2.8-1-mingw32-src.tar?download>

by default, libz 1.2.8-1 dll is installed, but not dev.

Leads to these installed files:

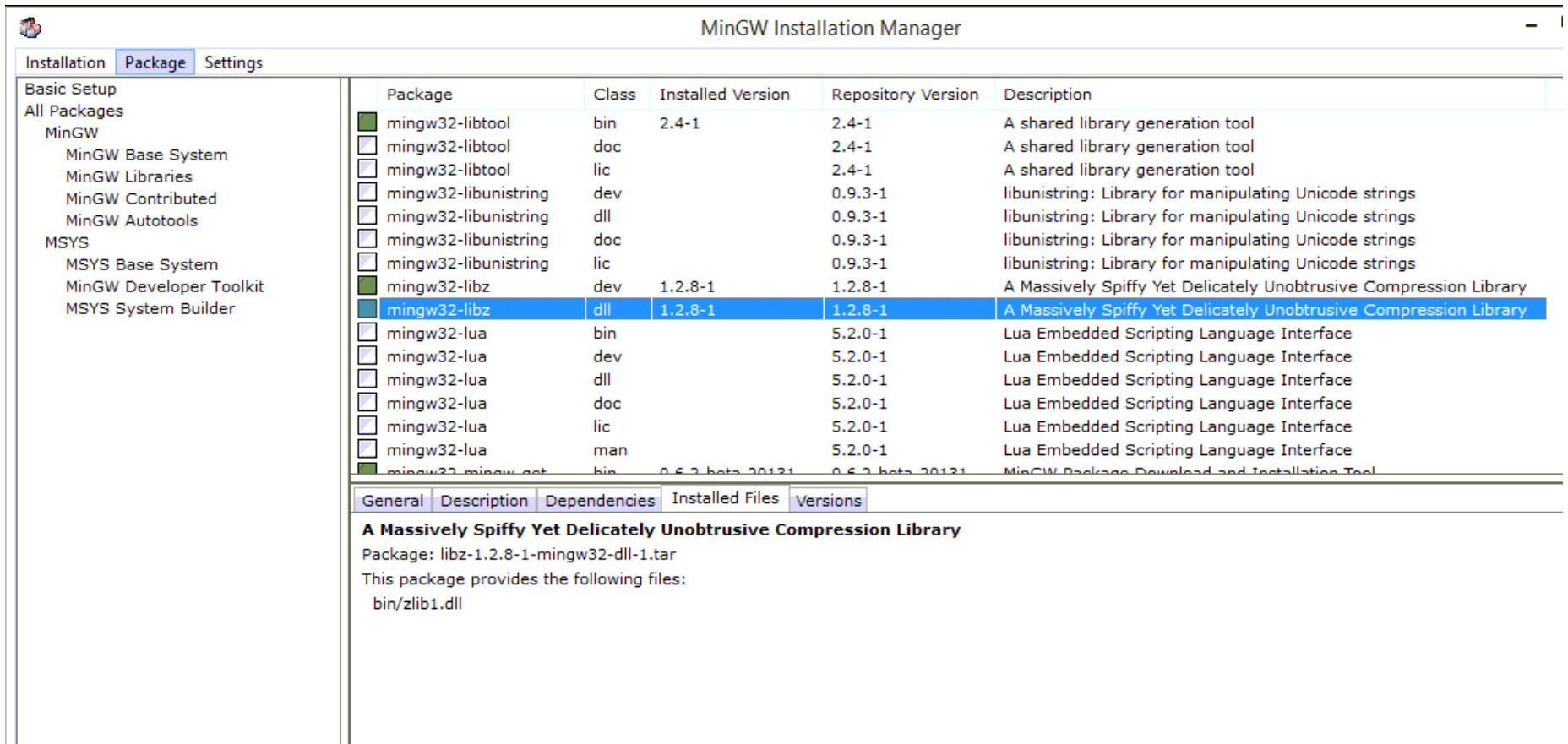
The screenshot shows the MinGW Installation Manager window. The left sidebar lists the installation tree, including Basic Setup, All Packages, MinGW, and MSYS. The main area displays a table of installed and available packages. The package 'mingw32-libz' is selected, and its details are shown in the bottom pane.

Package	Class	Installed Version	Repository Version	Description
<input checked="" type="checkbox"/> mingw32-libtool	bin	2.4-1	2.4-1	A shared library generation tool
<input type="checkbox"/> mingw32-libtool	doc		2.4-1	A shared library generation tool
<input type="checkbox"/> mingw32-libtool	lic		2.4-1	A shared library generation tool
<input type="checkbox"/> mingw32-libunistring	dev		0.9.3-1	libunistring: Library for manipulating Unicode strings
<input type="checkbox"/> mingw32-libunistring	dll		0.9.3-1	libunistring: Library for manipulating Unicode strings
<input type="checkbox"/> mingw32-libunistring	doc		0.9.3-1	libunistring: Library for manipulating Unicode strings
<input type="checkbox"/> mingw32-libunistring	lic		0.9.3-1	libunistring: Library for manipulating Unicode strings
<input checked="" type="checkbox"/> mingw32-libz	dev	1.2.8-1	1.2.8-1	A Massively Spiffy Yet Delicately Unobtrusive Compression Library
<input checked="" type="checkbox"/> mingw32-libz	dll	1.2.8-1	1.2.8-1	A Massively Spiffy Yet Delicately Unobtrusive Compression Library
<input type="checkbox"/> mingw32-lua	bin		5.2.0-1	Lua Embedded Scripting Language Interface
<input type="checkbox"/> mingw32-lua	dev		5.2.0-1	Lua Embedded Scripting Language Interface
<input type="checkbox"/> mingw32-lua	dll		5.2.0-1	Lua Embedded Scripting Language Interface
<input type="checkbox"/> mingw32-lua	doc		5.2.0-1	Lua Embedded Scripting Language Interface
<input type="checkbox"/> mingw32-lua	lic		5.2.0-1	Lua Embedded Scripting Language Interface
<input type="checkbox"/> mingw32-lua	man		5.2.0-1	Lua Embedded Scripting Language Interface
<input checked="" type="checkbox"/> mingw32-mingw-get	bin	0.6.2-beta-20121	0.6.2-beta-20121	MinGW Package Development and Installation Tool

**A Massively Spiffy Yet Delicately Unobtrusive Compression Library**  
Package: libz-1.2.8-1-mingw32-dev-1.tar

This package provides the following files:

- include/zconf.h
- include/zlib.h
- lib/libz.a
- lib/libz.dll.a
- mingw32/include/zconf.h
- mingw32/include/zlib.h
- mingw32/lib/libz.a
- mingw32/lib/libz.dll.a



Create C:\MinGW\msys\1.0\etc\fstab that contains:

```
c:/mingw /mingw
```

Create shortcut

to C:\MinGW\msys\1.0\msys.bat

within C:\Users\
 called "MinGW Shell"

Create C:\MinGW\msys\1.0\home\

```
alias ll='ls -latrh'
```

Install <http://tortoisehg.bitbucket.org/>

Look at <https://bitbucket.org/jonhedgerows/atomicparsley/downloads/mingwbuildtip.sh>

Check for existence:

Yes:

```
/mingw/include/zlib.h
```

```
/bin/autogen.exe
```

```
/mingw/bin/g++.exe
```

No:

```
/bin/wget.exe
```

```
/bin/unzip.exe
```

```
/bin/zip.exe
```

```
/bin/autoconf
```

```
/bin/automake
```

NOTE: decided to leave these alone and just give it a try

Inside MinGW /home/<id>

```
mkdir atomicparsleybuild
```

```
cd atomicparsleybuild
```

```
hg clone https://Foosatraz@bitbucket.org/Foosatraz/wez-atomicparsley-foosatraz-fork
```

```
cd wez-atomicparsley-foosatraz-fork
```

```
./autogen.sh
```

```
configure.ac:60: installing `./compile'
```

```
configure.ac:15: installing `./config.guess'
```



```
configure.ac:15: installing `./config.sub'
configure.ac:13: installing `./install-sh'
configure.ac:13: installing `./missing'
./configure --prefix=/mingw
NOTE: I hit a bunch of issues here, with errors that looked like:
    checking for deflateEnd in -lz... rm: cannot lstat `confptest.exe': Permission denied
    rm: cannot lstat `confptest.exe': Permission denied
    no
    configure: error: zlib is required
    rm: cannot lstat `confptest.exe': Permission denied
Root cause was Windows trying to read confptest.exe while it was being created/overwritten.
Once I paused my AntiVirus and Backup software, everything worked again.
make LDFLAGS=-static
strip AtomicParsley.exe
```

Now I have a working AtomicParsley.exe !!!