# Howto build and run libgcj/gcj snapshots or cvs

- 1. Get a GCC snapshot or obtain GCC via CVS.
- 2. Make a compile directory
  - \$ mkdir compile
- 3. Move the snapshot into the compile dir, e.g.

```
$ cd compile
```

- mv .../gcc-20001211.tar.gz.
- \$ gunzip \*.gz
- \$ tar xfv \*. tar
- \$ 1n -s gcc-20001211 gcc
- 4. Tell the build system you want to build libgcj

Have a look at the toplevel configure in (gcc/configure in) and make sure that the variable `noconfigdirs' isn't assigned to something (like target-libjava or \${libgcj}.)

Also, check for platform-specific assignments of `noconfigdirs' with  ${\{libgcj\}}$ ; if  ${\{libgcj\}}$  is listed for your platform, remove it before configuring.

- 5. Compile and install gcc/gcj/libgcj
  - \$ cd compile
  - \$ mkdir objdir
  - \$ cd objdir
  - \$ ../gcc/configure --enable-threads=posix --prefix=/home/joerg/gcc \
    --enable-shared --enable-languages=c++, java \
    --with-as=/opt/gnu/bin/as --with-ld=/opt/gnu/bin/ld
  - \$ make bootstrap
  - \$ make
  - \$ make install

The Boehm GC is the collector picked up by default.

If you compile under Linux you could omit the last two options. Under Solaris you'll need them. If you omit '--prefix' the compiled source will be installed under /usr/local. For more information about installing gcc and/or configuration options see:

http://gcc.gnu.org/install/index.html

If you have a broken gas/bin-utils (such as Debian potato) then you want to edit the auto-host.h file and remove the definition of HAVE\_GAS\_HIDDEN after configuring, but before typeing make. See the FAQ for more information.



GCJ Home GCC Home Status FAQ Documentation Contributing Done with GCJ

## **About GCC**

Mission Statement Releases Snapshots Mailing lists Contributors Steering Committee

### **Documentation**

#### Installation

- · Platforms
- Testing

Manual

**FAQ** 

Wiki

**Further Readings** 

#### **Download**

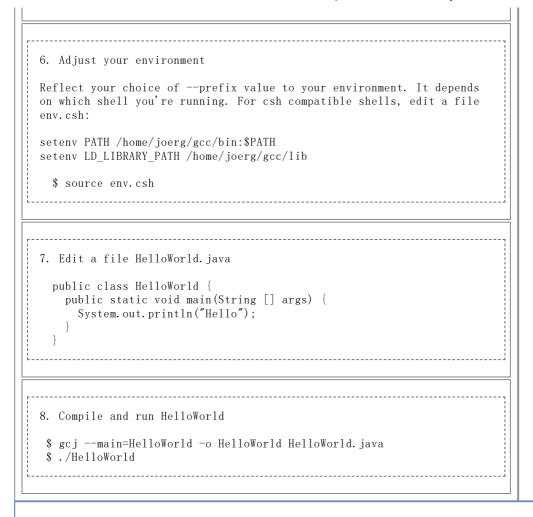
Mirror sites Binaries

## "Live" Sources

SVN read access Rsync read access SVN write access

## **Development**

Development Plan
• Tentative Timeline
Contributing
Why contribute?
Open projects
Front ends
Back ends



Bugs
Bugs

Known bugs How to report Bug database · Management

Please send FSF & GNU inquiries & questions to gnu@gnu.org. There are also other ways to contact the FSF.

These pages are maintained by the GCC team.

For questions related to the use of GCC, please consult these web pages and the GCC manuals. If that fails, the gcc-help@gcc.gnu.org mailing list might help.

Please send comments on these web pages and the development of GCC to our developer mailing list at gcc@gnu.org or gcc@gcc.gnu.org. All of our lists have public archives.

Copyright (C) Free Software Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110, USA.

Verbatim copying and distribution of this entire article is permitted in any medium, provided this notice is preserved.

Last modified 2006-06-21

