

# GCC, the GNU Compiler Collection

The GNU Compiler Collection includes front ends for [C](#), [C++](#), Objective-C, [Fortran](#), [Java](#), Ada, and Go, as well as libraries for these languages ([libstdc++](#), [libgcj](#),...). GCC was originally written as the compiler for the [GNU operating system](#). The GNU system was developed to be 100% free software, free in the sense that it [respects the user's freedom](#).



We strive to provide regular, high quality [releases](#), which we want to work well on a variety of native and cross targets (including GNU/Linux), and encourage everyone to [contribute](#) changes or help [testing](#) GCC. Our sources are readily and freely available via [SVN](#) and weekly [snapshots](#).

Major decisions about GCC are made by the [steering committee](#), guided by the [mission statement](#).

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## News

### POWER7 on the GCC Compile Farm [2011-11-10]

IBM has donated a 64 processor POWER7 machine (3.55 GHz, 64 GB RAM) to the [GCC Compile Farm project](#). Hosting is donated by the OSU Open Source Lab.

### Epiphany processor support [2011-11-03]

A port for Adapteva's Epiphany multicore processor has been contributed by Embecosm.

### GCC 4.6.2 released [2011-10-26]

### OpenMP v3.1 [2011-08-02]

An implementation of the [OpenMP v3.1](#) parallel programming interface for C, C++ and Fortran has been added. Code was contributed by Jakub

## Release Series and Status

### GCC 4.6.2 (changes)

Status: [2011-10-27](#) (regression fixes and docs only).

[Serious regressions](#). [All regressions](#).

### GCC 4.5.3 (changes)

Status: [2011-04-29](#) (regression fixes and docs only).

[Serious regressions](#). [All regressions](#).

### GCC 4.4.6 (oldest maintained release series)

Status: [2011-04-18](#) (regression fixes and docs only).

[Serious regressions](#). [All regressions](#).

### Active development: GCC 4.7.0 (changes)

Status: [2011-11-08](#) Stage 3, bug fixes and docs only.

[Serious regressions](#). [All regressions](#).

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Jelinek of Red Hat, Inc. and  
Tobias Burnus.

### TI C6X processor support [2011-07-15]

A port for the TI C6X  
family of processors has  
been contributed by  
CodeSourcery.

### GCC 4.3.6 released [2011-06-27]

### GCC 4.6.1 released [2011-06-27]

### GCC 4.5.3 released [2011-04-28]

[Older news](#) | Any additions? Don't  
be shy, send them to  
[gerald@pfeifer.com](mailto:gerald@pfeifer.com)!

There is also a [detailed search form](#).

### Get our announcements

*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](mailto:gcc-help@gcc.gnu.org) mailing list might help. Comments on these web pages and the development of GCC are welcome on our developer list at [gcc@gcc.gnu.org](mailto:gcc@gcc.gnu.org). All of [our lists](#) have public archives.*

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