

# 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](#).

## 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](#)  
[Extensions](#)  
[Benchmarks](#)  
[Translations](#)

## Bugs

[Known bugs](#)  
[How to report](#)  
[Bug database](#)  
 · [Management](#)

## News

### 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 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]

### GCC 4.4.6 released [2011-04-16]

## Release Series and Status

### GCC 4.6.1 ([changes](#))

Status: [2011-08-17](#) (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: [2011-10-11](#) Stage 1, open for development.

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

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## **GCC at Google Summer of Code [2011-04-04]**

GCC has been accepted to [Google's Summer of Code 2011](#). We are currently accepting student applications.

## **GCC 4.6.0 released [2011-03-25]**

### **Objective-C enhanced significantly [2011-01-11]**

GCC 4.6 will support many [new Objective-C features](#), such as declared and synthesized properties, dot syntax, fast enumeration, optional protocol methods, method/protocol/class attributes, class extensions and a new GNU Objective-C runtime API. This was contributed by Nicola Pero and Iain Sandoe, with support from Mike Stump.

[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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