



Sourcery G++ 4.3-61 for ARM GNU/Linux

Target Systems

Sourcery G++ for ARM GNU/Linux is for use in developing for systems which run the Linux kernel. You can use Sourcery G++ to build both the Linux kernel and Linux applications.

Editions

Sourcery G++ for ARM GNU/Linux is available in the following editions:

- Personal (\$399/machine)
- Professional (\$2799/machine)

Each Sourcery G++ license entitles you to run Sourcery G++ on a single machine.

Features

Component	Version	Personal	Professional
CS3 Startup Code & Linker Scripts		✓	✓
Eclipse IDE	Europa	✓	✓
GNU Binary Utilities	2.18.50-sg++	✓	✓
GNU C & C++ Compilers	4.3.2-sg++	✓	✓
GNU C Library	2.8-sg++	✓	✓
GNU Debugger	6.8.50-sg++	✓	✓
GNU/Linux Library Optimizer		✓	✓
GNU/Linux Prelinker		✓	✓
Graphical Installer		✓	✓
QEMU Simulator		✓	✓
Sourcery G++ Debug Sprite		✓	✓
Sysroot Utilities		✓	✓

Version numbers shown for open-source components indicate the versions used as the basis for Sourcery G++ for ARM GNU/Linux. CodeSourcery makes extensive enhancements to the base versions, adding support for more CPUs, improving code-generation, and addressing defects found through its validation process.

Support

	Personal	Professional
Access to Updates	✓	✓
Access to Knowledge Base	✓	✓
30-day Installation Support	✓	✓
Unlimited Technical Support	✓	✓
Priority Defect Correction		✓
Long-Term Support Option		✓

Professional Edition customers benefit from Priority Defect Correction. If you find a critical defect in Sourcery G++, CodeSourcery will deploy its engineering team to resolve the problem and make a new release available to you, usually within a few days.

Optional long-term support (available only to Professional Edition customers) provides your team with the ability to continue using a particular version of the GNU Toolchain over the life of your project. CodeSourcery will provide support for — and even correct defects in — Sourcery G++ throughout the support period. Contact sales@codesourcery.com for more information.

Run-Time Libraries

Name	Personal	Professional
ARMv4T - Little-Endian, Soft-Float, GLIBC	✓	✓
ARMv5T - Big-Endian, Soft-Float, GLIBC		✓
ARMv5T - Big-Endian, VFP, GLIBC		✓
ARMv5T - Little-Endian, Soft-Float, GLIBC	✓	✓
ARMv5T - Little-Endian, VFP, GLIBC		✓
ARMv7-A Thumb-2 - Big-Endian, Soft-Float, GLIBC		✓

ARMv7-A Thumb-2 - Little-Endian, Soft-Float, GLIBC	✓	✓
ARMv7-A Thumb-2 - Little-Endian, VFP, GLIBC	✓	✓
Marvell Feroceon - Little-Endian, Soft-Float, GLIBC	✓	✓
Marvell Feroceon - Little-Endian, VFP, GLIBC	✓	✓

Sourcery G++ Professional Edition includes debuggable versions of the run-time libraries. You can install the debuggable versions via the Sourcery G++ IDE and then debug into the run-time library code.

System Requirements

Sourcery G++ for ARM GNU/Linux is available for the following host systems:

- IA32 Windows
Microsoft Windows 2000 (or later) running on x86 CPUs
- IA32 GNU/Linux
x86 GNU/Linux systems including Red Hat Enterprise Linux, SuSE Enterprise Linux, Fedora, and Ubuntu

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Kane Computing Ltd
7 Theatre Court, London Road,
Northwich, Cheshire, CW9 5HB, UK.
Tel: +44(0)1606 351006
Fax: +44(0)1606 351007/8
Email: sales@kanecomputing.com
Web: www.kanecomputing.co.uk