



Support for Renesas' SH-4A and SH4AL-DSP Added to GNUPro™ Tools for SuperH Family of Microprocessors

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Overview

Red Hat's GNUPro toolsuite for Renesas' SuperH family of processor cores provides:

- Easy-to-install versions of the full suite of industry-standard GNU development tools and libraries for 32- and 64-bit SuperH core development
- GNUPro documentation, including a "Getting Started" guide and tutorials
- Fast, knowledgeable support through direct access with our world-class support experts

This new release includes support for the new SH4A and SH4AL-DSP processor cores, performance and usability enhancements, as well as upgrades to the underlying GNU tools.

Description

GNUPro, recognized as the world's most popular embedded development tools suite, is a collection of tools and runtime technologies that enables the creation, deployment, and testing of target software components for devices.

The core of the GNUPro toolsuite include specially configured, built, tested, and supported versions of the GNU development tools:

- GCC version 3.4-sh4a-031219
- GDB version 6-sh4a-031219
- Insight, the graphical debugger interface, version 6 sh4a-031219
- GNU binutils version 2.14-sh4a-031219
- The newlib ISO C runtime library, version 1.10.0-sh4a-031219

GNUPro for the SuperH architecture also includes a complete software instruction set simulator for the SuperH family of cores, including the SH-4A and SH4AL-DSP.

GNUPro for the SH architecture supports the following processor cores: SH-1, SH-2, SH-2E, SH2-DSP, SH-3, SH-3E, SH3-DSP, SH-4, SH-4A, SH4AL-DSP and SH5.

Additional enhancements for the SH4A and SH4AL-DSP processor include compiler optimizations to take advantage of the new 7-stage instruction pipelines and binary compatibility improvements with Renesas' own compiler tools.



This latest release of Red Hat's GNUPro for the SuperH architecture runs on:

- Red Hat Enterprise Linux v.3 for x86
- Sun Solaris 7, 8 and 9 for sparc
- Microsoft Windows 2000 and XP

Availability

Support offerings for GNUPro version sh4a-031219 are available immediately.

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