

## coreboot - Bug #316

### [crossgcc] Toolchain building for older Versions broken

08/04/2021 04:55 PM - Wladislav Artsimovich

<b>Status:</b>	New	<b>Start date:</b>	08/04/2021
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>	build system	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>			
<b>Description</b>			
<p>Building older versions of Coreboot (Tested was 4.10, 4.11, 4.12) errors out at different stages, on Manjaro Linux, with the latest updates. Building from git master works though. make crossgcc-i386 CPUS=\$(nproc) fails with:</p> <p><b>4.10:</b></p> <p>Building BINUTILS v2.32 for target ... failed. Check 'build-i386-elf-BINUTILS/build.log'. make[2]: *** [Makefile:26: build_gcc] Error 1 make[1]: *** [Makefile:48: build-i386] Error 2 make *** [util/crossgcc/Makefile.inc:47: crossgcc-i386] Error 2</p> <p><b>4.11:</b></p> <p>Building BINUTILS v2.32 for target ... failed. Check 'build-i386-elf-BINUTILS/build.log'. make[2]: *** [Makefile:26: build_gcc] Error 1 make[1]: *** [Makefile:51: build-i386] Error 2 make *** [util/crossgcc/Makefile.inc:48: crossgcc-i386] Error 2</p> <p><b>4.12:</b></p> <p>Building GCC v8.3.0 for target ... failed. Check 'build-i386-elf-GCC/build.log'. make[2]: *** [Makefile:26: build_gcc] Error 1 make[1]: *** [Makefile:51: build-i386] Error 2 make *** [util/crossgcc/Makefile.inc:35: crossgcc-i386] Error 2</p> <p>The logs are attached mentioned in these errors are attached.</p> <p>System: Host: gigi-pc Kernel: 5.10.53-1-MANJARO x86_64 bits: 64 compiler: gcc v: 11.1.0 Desktop: Budgie 10.5.3 wm: budgie-wm dm: LightDM Distro: Manjaro Linux base: Arch Linux</p> <p>CPU: Info: Quad Core model: Intel Core2 Extreme Q9300 bits: 64 type: MCP arch: Penryn rev: A cache: L2: 6 MiB flags: lm nx pae sse sse2 sse3 sse4_1 ssse3 bogomips: 20277 Speed: 2533 MHz min/max: 1600/2534 MHz boost: enabled Core speeds (MHz): 1: 2533 2: 2534 3: 2534 4: 2534</p> <p>Graphics: Device-1: Intel Mobile 4 Series Integrated Graphics vendor: Lenovo driver: i915 v: kernel bus-ID: 00:02.0 chip-ID: 8086:2a42 Display: x11 server: X.Org 1.20.11 compositor: budgie-wm driver: loaded: intel resolution: 1920x1200 s-dpi: 96 OpenGL: renderer: Mesa DRI Mobile Intel GM45 Express (CTG) v: 2.1 Mesa 21.1.5 direct render: Yes</p>			

I need to build those older versions to properly build up and test an issue about Coreboot + Grub being broken on the Thinkpad x200 since 4.12.

## History

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### #1 - 08/24/2021 01:33 AM - Iru Cai

Building crossgcc in coreboot 4.12 looks fine. Can you run make crossgcc-clean then build crossgcc again?

For coreboot 4.11, you can modify util/crossgcc/buildgcc, and change --enable-gold to --disable-gold. But there's still problem building ISAL because of bison version, you can manually update IASL to the latest version.

If you want to build the toolchain with Ada support, you also need <https://review.coreboot.org/c/coreboot/+42158>.

## Files

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4.12-build-i386-elf-GCC-build.log	6.59 KB	08/04/2021	Wladislav Artsimovich
4.11-build-i386-elf-BINUTILS-build.log	133 KB	08/04/2021	Wladislav Artsimovich
4.10-build-i386-elf-BINUTILS-build.log	187 KB	08/04/2021	Wladislav Artsimovich