

Install Bebb GCC

- 0) Open terminal (if not already opened)
 - 1) update first, if needed, (Pi3/4) using `sudo apt-get update` «copy
 - 2) `sudo apt install make wget git gcc g++ lhasa libgmp-dev libmpfr-dev libmpc-dev flex bison gettext texinfo ncurses-dev autoconf rsync` «copy
 - 3) `git clone https://github.com/bebbo/amiga-gcc` «copy
 - 4) `cd amiga-gcc` «copy
 - 5) `make update` «copy
 - 6) `sudo mkdir /opt/amiga` «copy
 - 7) `sudo chgrp users /opt/amiga` «copy
 - 8) `sudo chmod 775 /opt/amiga` «copy
 - 9) `sudo usermod -a -G users ChangeToYourUserName` «copy
 - 10) `make clean` «copy
 - 11) `make clean-prefix` «copy
 - 12) **This step can take up to 60 minutes on Pi 4(maybe x2 on Pi 3)!** `make all NDK=3.2 -j4` «copy
 - 13) `make all-sdk` «copy
 - 14) `cd ..`
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CMAKE

- 1) cmake is needed, so install / build if not present `sudo apt install cmake` «copy

How to build cmake for Ubuntu / Raspberry Pi?

► [Click here for more details](#)

VASM modules

- 1) (change **3.18** to your installed version) `cd /usr/share/cmake-3.18/Modules/` «copy
 - * or this location if above does not exist (change **3.22** to your installed version) `cd /usr/local/share/cmake-3.22/Modules/` «copy
 - 2) `sudo wget https://raw.githubusercontent.com/AmigaPorts/AmigaCMakeCrossToolchains/master/Modules/m68k-amigaos/CMakeASM_V/`
 - 3) `sudo wget https://raw.githubusercontent.com/AmigaPorts/AmigaCMakeCrossToolchains/master/Modules/m68k-amigaos/CMakeDetermini`
 - 4) `sudo wget https://raw.githubusercontent.com/AmigaPorts/AmigaCMakeCrossToolchains/master/Modules/m68k-amigaos/CMakeTestAS`
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WiFi files (needed for Emu68-tools)

- 1) `cd /opt/amiga/m68k-amigaos/include/devices` «copy
 - 2) `wget https://raw.githubusercontent.com/deplinenoise/amiga-sdk/master/netinclude/devices/sana2.h` «copy
 - 3) `wget https://raw.githubusercontent.com/deplinenoise/amiga-sdk/master/netinclude/devices/sana2specialstats.h` «copy
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Emu68-tools

- 1) `cd ~` «copy
- 2) `git clone https://github.com/michalsc/Emu68-tools` «copy

- 3) cd Emu68-tools «copy
 - 4) git submodule update --init --remote --recursive --merge «copy
 - 5) mkdir build install «copy
 - 6) cd build «copy
 - 7) cmake .. -DCMAKE_TOOLCHAIN_FILE=../cmake/toolchain.cmake -DTOOLCHAIN_PATH=/opt/amiga «copy
 - 8) make «copy
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Tweaks (under construction)

1)

2)

Convert binary to .h files

- 1) cd 68040.library xxd -i 68040.bin 68040.h «copy
- 2) cd devicetree.resource xxd -i devicetree.bin devicetree.h «copy
- 3) cd sdcard.device xxd -i brcm-sdhc.bin sdcard.h «copy

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