

You can install Yagarto arm-none-eabi cross compiler on the Lab PC or your own laptop if you wish in order to compile main.c, in the source directory, using the makefile. Type 'make' at the command line.

You can create your bare-metal Tiny OS all here in main.c using the BCM2835 pdf and ARM pdf reference manuals and helpful links and other resources available online.

After assembling and generating the kernel.img here, simply swap the kernel.img in the Raspbian distro on the SD Card with your bare-metal Tiny OS kernel.img created here, then power up the RPI.

The makefile has been modified to compile/assemble/link both C and Assembly (.s) source files present in the source directory.

The bcm2835-1.25 directory contains an actual ready-made library, which can be installed on a PC, but we are not doing that here – we are only using the source code as a reference. Example code is also in this directory.

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