

README Files

NuttX README Files

Last Updated: February 17, 2019

Additional information can be found in the Documentation/ directory and also in README files that are scattered throughout the source tree. Below is a guide to the available README files. Some README files contain more important information than others. The key README files are shown in **BOLDFACE** /*ITALIC* below.

Below is a guide to the available README files in the NuttX source tree:

```
nuttX/
|- README.txt
|- arch/
|   |- arm/
|   |   |- src
|   |   |   |- common
|   |   |   |   |- README_lwl_console.txt
|   |   |   |- lpc214x
|   |   |   |   |- README.txt
|   |   |   |- stm32l4
|   |   |   |   |- stm32l4/README.txt
|   |   |- renesas/
|   |   |   |- include/
|   |   |   |   |- README.txt
|   |   |   |- src/
|   |   |   |   |- README.txt
|   |   |- x86/
|   |   |   |- include/
|   |   |   |   |- README.txt
|   |   |   |- src/
|   |   |   |   |- README.txt
|   |   |- z80/
|   |   |   |- src/z80
|   |   |   |   |- README.txt
|   |   |   |- src/z180
|   |   |   |   |- README.txt
|   |   |   |   |- z180_mmu.txt
|   |   |- README.txt
|   |- audio/
|   |   |- README.txt
|   |- boards/
|   |   |- arm/
|   |   |   |- a1x/
|   |   |   |   |- pcduino-a10/
|   |   |   |   |   |- README.txt
|   |   |   |- am335x/
|   |   |   |   |- beaglebone-black/
|   |   |   |   |   |- README.txt
|   |   |   |- c5471/
|   |   |   |   |- c5471evm/
|   |   |   |   |   |- README.txt
|   |   |   |- cxd56xx/
|   |   |   |   |- spresense/
|   |   |   |   |   |- README.txt
|   |   |   |- dm320/
|   |   |   |   |- ntosd-dm320/
|   |   |   |   |   |- doc/README.txt
|   |   |   |   |   |- README.txt
|   |   |   |- efm32/
|   |   |   |   |- efm32-g8xx-stk/
|   |   |   |   |   |- README.txt
|   |   |   |   |- efm32gg-stk3700/
|   |   |   |   |   |- README.txt
|   |   |   |   |- olimex-efm32g880f128-stk/
|   |   |   |   |   |- README.txt
|   |   |   |- imx6/
|   |   |   |   |- sabre-6quad/
|   |   |   |   |   |- README.txt
|   |   |   |- imxrt/
|   |   |   |   |- imxrt1050-evk/
|   |   |   |   |   |- README.txt
|   |   |   |   |- imxrt1060-evk/
|   |   |   |   |   |- README.txt
|   |   |- kinetis/
```

- freedom-k28f/
 - README.txt
- freedom-k64f/
 - README.txt
- freedom-k66f/
 - README.txt
- kwikstik-k40/
 - README.txt
- teensy-3.x/
 - README.txt
- twr-k60n512/
 - README.txt
- twr-k64f120m/
 - README.txt
- kl/
 - freedom-kl25z/
 - README.txt
 - freedom-kl26z/
 - README.txt
 - teensy-lc/
 - README.txt
- lc823450/
 - lc823450-xgevk/
 - README.txt
- lpc17xx_40xx/
 - lincoln60/
 - README.txt
 - lpc4088-devkit/
 - README.txt
 - lpc4088-quickstart/
 - README.txt
 - lpcxpresso-lpc1768/
 - README.txt
 - lx_cpu/
 - README.txt
 - mbed/
 - README.txt
 - mcb1700/
 - README.txt
 - olimex-lpc1766stk/
 - README.txt
 - open1788/
 - README.txt
 - pnev5180b/
 - README.txt
 - u-blox-c027/
 - README.txt
 - zkit-arm-1769/
 - README.txt
- lpc214x/
 - mcu123-lpc214x/
 - README.txt
 - zp214xpa/
 - README.txt
- lpc2378/
 - olimex-lpc2378/
 - README.txt
- lpc31xx/
 - ea3131/
 - README.txt
 - ea3152/
 - README.txt
 - olimex-lpc-h3131/
 - README.txt
- lpc43xx/
 - bambino-200e/
 - README.txt
 - lpc4330-xplorer/
 - README.txt
 - lpc4337-ws/
 - README.txt
 - lpc4357-evb/
 - README.txt
 - lpc4370-link2/
 - README.txt
- lpc54xx/
 - lpcxpresso-lpc54628/
 - README.txt
- max326xx/
 - max32660-evsys/
 - README.txt
- moxart/
 - moxa/
- nrf52/

- nrf52-generic/
 - [README.txt](#)
 - nuc1xx/
 - nutiny-nuc120/
 - [README.txt](#)
 - s32k1xx/
 - s32k118evb/
 - [README.txt](#)
 - s32k146evb/
 - [README.txt](#)
 - s32k148evb/
 - [README.txt](#)
 - sam34/
 - arduino-due/
 - [README.txt](#)
 - flipnclick-sam3x/
 - [README.txt](#)
 - sam3u-ek/
 - [README.txt](#)
 - sam4cmp-db/
 - [README.txt](#)
 - sam4e-ek/
 - [README.txt](#)
 - sam4l-xplained/
 - [README.txt](#)
 - sam4s-xplained/
 - [README.txt](#)
 - sam4s-xplained-pro/
 - [README.txt](#)
 - sama5/
 - sama5d2-xult/
 - [README.txt](#)
 - sama5d3x-ek/
 - [README.txt](#)
 - sama5d3-xplained/
 - [README.txt](#)
 - sama5d4-ek/
 - [README.txt](#)
 - samd21l2/
 - arduino-m0/
 - [README.txt](#)
 - samd20-xplained/
 - [README.txt](#)
 - samd21-xplained/
 - [README.txt](#)
 - saml21-xplained/
 - [README.txt](#)
 - samd5e5/
 - metro-m4/
 - [README.txt](#)
 - samv7/
 - same70-xplained/
 - [README.txt](#)
 - samv71-xult/
 - [README.txt](#)
 - stm32/
 - axoloti/
 - [README.txt](#)
 - clicker2-stm32/
 - [README.txt](#)
 - cloudctrl/
 - [README.txt](#)
 - fire-stm32v2/
 - [README.txt](#)
 - hymini-stm32v/
 - [README.txt](#)
 - maple/
 - [README.txt](#)
 - mikroe-stm32f4/
 - [README.txt](#)
 - nucleo-f103rb/
 - [README.txt](#)
 - nucleo-f207zg/
 - [README.txt](#)
 - nucleo-f302r8/
 - [README.txt](#)
 - nucleo-f303re/
 - [README.txt](#)
 - nucleo-f303ze/
 - [README.txt](#)
 - nucleo-f334r8/
 - [README.txt](#)
 - nucleo-f410rb/
 - [README.txt](#)

- nucleo-f446re/
 - README.txt
- nucleo-f4x1re/
 - README.txt
- nucleo-l152re/
 - README.txt
- olimexino-stm32/
 - README.txt
- olimex-stm32-e407/
 - README.txt
- olimex-stm32-h405/
 - README.txt
- olimex-stm32-h407/
 - README.txt
- olimex-stm32-p107/
 - README.txt
- olimex-stm32-p207/
 - README.txt
- olimex-stm32-p407/
 - README.txt
- omnibusf4/
 - README.txt
- photon/
 - README.txt
- shenzhou/
 - README.txt
- stm32_tiny/
 - README.txt
- stm3210e-eval/
 - README.txt
- stm3220g-eval/
 - README.txt
- stm3240g-eval/
 - README.txt
- stm32butterfly2/
 - README.txt
- stm32f103-minimum/
 - README.txt
- stm32f334-disco/
 - README.txt
- stm32f3discovery/
 - README.txt
- stm32f411e-disco/
 - README.txt
- stm32f429i-disco/
 - configs/fb/README.txt
 - README.txt
- stm32f4discovery/
 - README.txt
- stm32ldiscovery/
 - README.txt
- stm32vldiscovery/
 - README.txt
- viewtool-stm32f107/
 - README.txt
- stm32f0l0g0/
 - b-l072z-lrwan1/
 - README.txt
 - nucleo-f072rb/
 - README.txt
 - nucleo-f091rc/
 - README.txt
 - nucleo-g070rb/
 - README.txt
 - nucleo-g071rb/
 - README.txt
 - nucleo-l073rz/
 - README.txt
 - stm32f051-discovery/
 - README.txt
 - stm32f072-discovery/
 - README.txt
- stm32f7/
 - nucleo-144/
 - README.txt
 - stm32f746g-disco/
 - configs/fb/README.txt
 - configs/nxdemo/README.txt
 - configs/nxterm/README.txt
 - README.txt
 - stm32f746-ws/
 - README.txt
 - stm32f769i-disco/
 - README.txt
- stm32h7/
 - nucleo-h743zi/
 - README.txt
- stm32l4/

- b-l475e-iot01a/
 - README.txt
- nucleo-l432kc/
 - README.txt
- nucleo-l452re/
 - README.txt
- nucleo-l476rg/
 - README.txt
- nucleo-l496zg/
 - README.txt
- stm32l476-mdk/
 - README.txt
- stm32l476vg-disco/
 - README.txt
- stm32l4r9ai-disco/
 - README.txt
- str71x/
 - olimex-strp711/
 - README.txt
- tiva/
 - dk-tm4c129x/
 - README.txt
 - eagle100/
 - README.txt
 - ekk-lm3s9b96/
 - README.txt
 - launchxl-cc1310/
 - README.txt
 - launchxl-cc1312r1/
 - README.txt
 - lm3s6432-s2e/
 - README.txt
 - lm3s6965-ek/
 - README.txt
 - lm3s8962-ek/
 - README.txt
 - lm4f120-launchpad/
 - README.txt
 - tm4c123g-launchpad/
 - README.txt
 - tm4c1294-launchpad/
 - README.txt
- tms570/
 - launchxl-tms57004/
 - README.txt
 - tms570ls31x-usb-kit/
 - README.txt
- xmc4/
 - xmc4500-relax/
 - README.txt
- avr/
 - at32uc3/
 - avr32dev1/
 - README.txt
 - at90usb/
 - micropendous3/
 - README.txt
 - teensy-2.0/
 - README.txt
 - atmega/
 - amber/
 - README.txt
 - arduino-mega2560/
 - README.txt
 - moteino-mega/
 - README.txt
- hc/
 - m9s12/
 - demo9s12ne64/
 - README.txt
 - ne64badge/
 - README.txt
- mips/
 - pic32mx/
 - mirtoo/
 - README.txt
 - pic32mx7mmb/
 - README.txt
 - pic32mx-starterkit/
 - README.txt
 - sure-pic32mx/
 - README.txt
 - ubw32/
 - README.txt

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    \-pic32mz/
      |- flipncklick-pic32mz/
      | \- README.txt
      \- pic32mz-starterkit/
        \- README.txt
- misoc/
  \- lm32/
    \- misoc/
      \- README.txt
- or1k/
  \- mor1kx/
    \- or1k/
      \- README.txt
- renesas/
  |- m16c/
  | \- skp16c26/
  |   \- README.txt
  \- sh1/
    \- us7032evb1/
      \- README.txt
- risc-v/
  |- gap8/
  | \- gapuino/
  |   \- README.txt
  \- nr5m100/
    \- nr5m100-nexys4/
      \- README.txt
- sim/
  \- sim/
    \- sim/
      \- include/README.txt
      \- README.txt
- x86/
  \- qemu/
    \- qemu-i486/
      \- README.txt
- xtensa/
  \- esp32/
    \- esp32-core/
      \- README.txt
- z16/
  \- z16f/
    \- z16f2800100zcog/
      \- configs/nsh/README.txt
      \- configs/ostest/README.txt
      \- configs/pashello/README.txt
      \- README.txt
- z80/
  |- ez80/
  | \- ez80f910200kitg/
  |   \- configs/ostest/README.txt
  |   \- README.txt
  | \- ez80f910200zco/
  |   \- configs/dhcpd/README.txt
  |   \- configs/httpd/README.txt/
  |   \- configs/nettest/README.txt
  |   \- configs/nsh/README.txt
  |   \- configs/poll/README.txt
  |   \- README.txt
  | \- makerlisp/
  |   \- configs/nsh_flash/README.txt
  |   \- configs/nsh_ram/README.txt
  |   \- configs/sdboot/README.txt
  |   \- README.txt
  \- z20x/
    \- configs/nsh_flash/README.txt
    \- configs/nsh_ram/README.txt
    \- configs/sdboot/README.txt
    \- README.txt
  \- z180/
    \- p112/
      \- README.txt
  \- z8/
    \- z8encore000zco/
      \- configs/ostest/README.txt
      \- README.txt
    \- z8f64200100kit/
      \- configs/ostest/README.txt
      \- README.txt
  \- z80/
    \- z80sim/
      \- README.txt
  \- README.txt
- drivers/

```

```

| - eeprom/
|   \- README.txt
| - lcd/
|   | - README.txt
|   \- pcf8574_lcd_backpack_readme.txt
| - mtd/
|   \- README.txt
| - sensors/
|   \- README.txt
| - syslog/
|   \- README.txt
| - README.txt
- fs/
  | - binfs/
  |   \- README.txt
  | - cromfs/
  |   \- README.txt
  | - mmap/
  |   \- README.txt
  | - nxdfs/
  |   \- README.txt
  | - smartfs/
  |   \- README.txt
  | - procfs/
  |   \- README.txt
  | - spiffs/
  |   \- README.md
  | - unionfs/
  |   \- README.txt
- graphics/
  \- README.txt
- libs
  | - README.txt
  | - libc/
  |   | - zoneinfo/README.txt
  |   \- README.txt
  | - libdsp/
  |   \- README.txt
  | - libnx/
  |   | - libnx/README.txt
  |   \- README.txt
  | - libxx/
  |   \- README.txt
- mm/
  | - shm/
  |   \- README.txt
  \- README.txt
- net/
  | - sixlowpan/
  |   \- README.txt
  \- README.txt
- pass1/
  \- README.txt
- syscall/
  \- README.txt
- tools/
  \- README.txt

```

Below is a guide to the available README files in the semi-optional apps/ source tree:

```

apps/
|- README.txt
|- examples/
|   |- bastest/README.txt
|   |- json/README.txt
|   |- pashello/README.txt
|   \- README.txt
|- gpsutils/
|   \- "minmea/README.txt
|- graphics/
|   |- "tiff/README.txt
|   \- "traveler/tools/tcledit/README.txt
|- interpreters/
|   |- bas/README.txt
|   |- ficl/README.txt
|   \- README.txt
|- modbus/
|   \- README.txt
|- netutils/
|   |   |- discover/README.txt
|   |   |- ftpc/README.txt
|   |   |- json/README.txt
|   |   \- telnetd/README.txt
|   \- README.txt
|- nshlib/
|   \- README.txt
|- NxWidgets/
|   |- Doxygen
|   |   \- README.txt
|   |- tools
|   |   \- README.txt
|   |- UnitTests
|   |   \- README.txt
|   \- README.txt
|- system/
|   |- cdcacm/README.txt
|   |- i2c/README.txt
|   |- inifile/README.txt
|   |- install/README.txt
|   |- nsh/README.txt
|   |- nxplayer/README.txt
|   |- psmq/README.txt
|   |- symtab/README.txt
|   |- termcurses/README.txt
|   |- usbmsc/README.txt
|   \- zmodem/README.txt
|- wireless
|   |- bluetooth
|   |   \- btsak/README.txt
|   \- ieee802154
|       \- i8sak/README.txt

```

Additional README.txt files in the other, related repositories:

```

buildroot/
\-- README.txt

tools/
\-- README.txt

uClibc++/
\-- README.txt

```