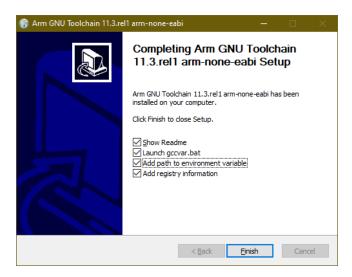
## Install Pico (and PicoW) SDK 1.50 in Windows 10x64 May 2023

Partly based on RP2040 Development Setup on Windows https://len42.github.io/rp2040-dev-setup.html

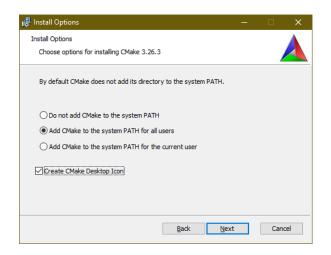
- 1. Make two new folders (such as C:\Dev and W:\Pico). I used another drive for the Pico development folders, because it is then easier to make separate backups of the operating system and user data.
- 2. Install arm-gnu-toolchain-11.3.rel1-mingw-w64-i686-arm-none-eabi.exe from: <a href="https://developer.arm.com/tools-and-software/open-source-software/developer-tools/gnu-toolchain/downloads">https://developer.arm.com/tools-and-software/open-source-software/developer-tools/gnu-toolchain/downloads</a> to C:\Dev\ArmGNUToolchain add path to environment variable during install.

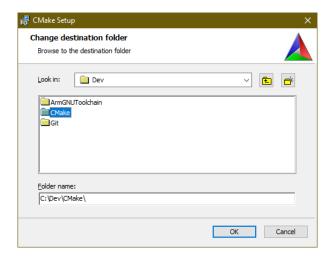
https://developer.arm.com/-/media/Files/downloads/gnu/11.3.rel1/binrel/arm-gnu-toolchain-11.3.rel1-mingw-w64-i686-arm-none-eabi.exe



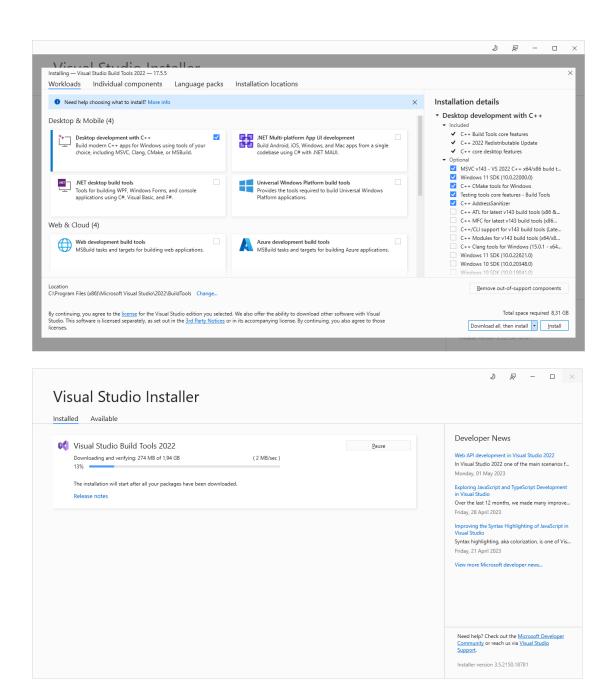
3. Install cmake-3.26.3-windows-x86\_64.msi from <a href="https://cmake.org/download/">https://cmake.org/download/</a> to C:\Dev\CMake\ - add cmake to the system PATH for all users.

https://github.com/Kitware/CMake/releases/download/v3.26.3/cmake-3.26.3-windows-x86 64.msi



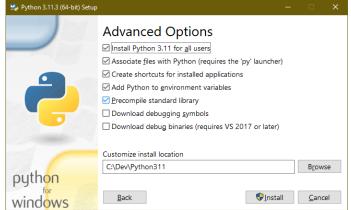


4. Install vs\_BuildTools.exe from <a href="https://aka.ms/vs/17/release/vs\_BuildTools.exe">https://aka.ms/vs/17/release/vs\_BuildTools.exe</a> to the default folder - select C++ development tools. It was a 1.93 GB download.



5. Python 3.11.3 - Install python-3.11.3-amd64.exe from https://www.python.org/ftp/python/3.11.3/ to C:\Dev\Python311 - select Add Python to PATH and also select to remove the max path length. https://www.python.org/ftp/python/3.11.3/python-3.11.3-amd64.exe





6. Install Git-2.40.1-64-bit.exe from  $\frac{\text{https://git-scm.com/download/win}}{\text{below (from }\frac{\text{https://len42.github.io/rp2040-dev-setup.html}}{\text{odd }}}$  to C:\Dev\Git - follow the instructions as below (from  $\frac{\text{https://len42.github.io/rp2040-dev-setup.html}}{\text{odd }}}$ ).

Destination Location: Default (or not)

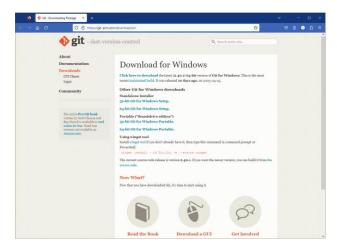
Select Components: Default Default editor: Select one you like. Name of the initial branch: Let Git decide

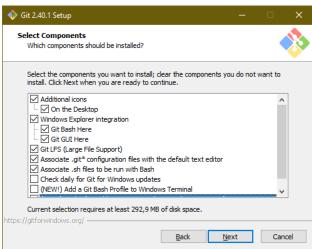
PATH environment: Git from the command line and also from 3rd-party software

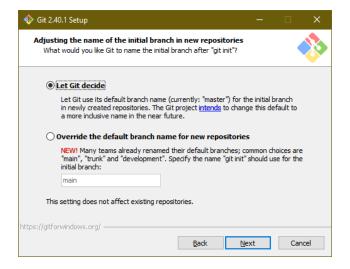
SSH executable: Use bundled OpenSSH

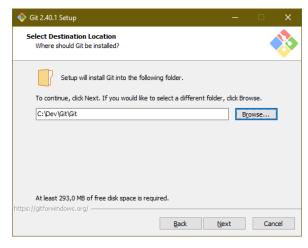
HTTPS transport backend: Use the OpenSSL library Line ending conversion: Checkout as-is, commit as-is Terminal emulator for Git Bash: Select either option Default behavior of "git pull": Default (f-f or merge) Credential helper: Default (Git Credential Manager Core)

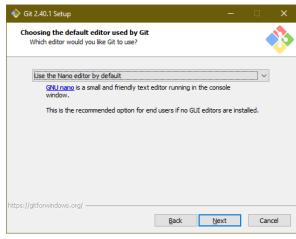
Extra options: Default (Enable file system caching on, Enable symbolic links off)
Experimental options: Select "Enable experimental support for pseudo consoles"

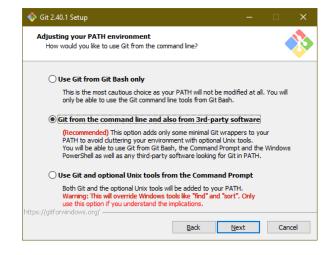


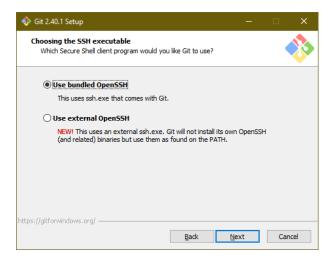


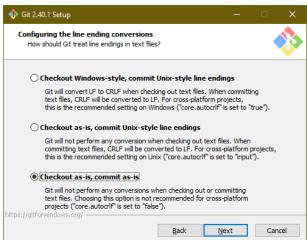




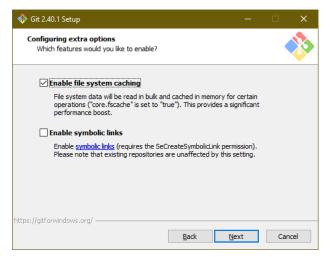


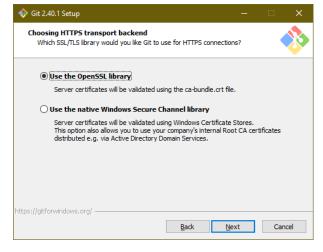


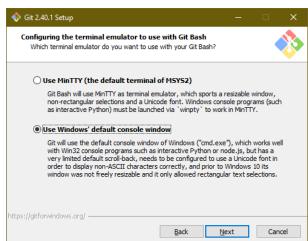


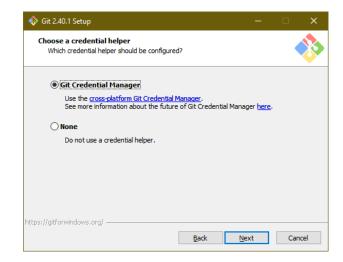


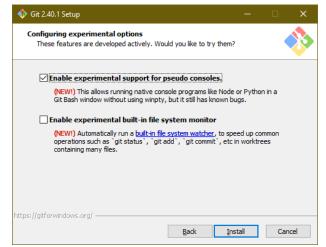












## 7. Use the windows admin cmd prompt to install the Pico SDK

```
Microsoft Windows [Version 10.0.19045.2846]
(c) Microsoft Corporation. All rights reserved.
C:\Windows\system32>w:
W:\>cd Pico
W:\Pico>git clone https://github.com/raspberrypi/pico-sdk.git --branch master
Cloning into 'pico-sdk'...
remote: Enumerating objects: 7272, done.
remote: Counting objects: 100% (318/318), done.
remote: Compressing objects: 100% (237/237), done.
remote: Total 7272 (delta 95), reused 223 (delta 54), pack-reused 6954 Receiving objects: 100% (7272/7272), 2.85 MiB \mid 2.07 MiB/s, done.
Resolving deltas: 100% (3725/3725), done.
W:\Pico>git clone https://github.com/raspberrypi/pico-examples.git --branch master
Cloning into 'pico-examples'...
remote: Enumerating objects: 2647, done.
remote: Counting objects: 100% (35/35), done.
remote: Compressing objects: 100% (29/29), done.
remote: Total 2647 (delta 6), reused 28 (delta 5), pack-reused 2612
Receiving objects: 100% (2647/2647), 7.88 MiB | 1.30 MiB/s, done.
Resolving deltas: 100% (1338/1338), done.
W:\Pico>git clone https://github.com/raspberrypi/pico-extras.git --branch master
Cloning into 'pico-extras'...
remote: Enumerating objects: 434, done.
remote: Counting objects: 100% (57/57), done.
remote: Compressing objects: 100% (30/30), done.Receiving objects:
                                                                        3% (14/434)
remote: Total 434 (delta 37), reused 27 (delta 27), pack-reused 377
Receiving objects: 100% (434/434), 174.20 KiB | 1.18 MiB/s, done.
Resolving deltas: 100% (198/198), done.
W:\Pico>git clone https://github.com/raspberrypi/pico-playground.git --branch master
Cloning into 'pico-playground'...
remote: Enumerating objects: 314, done.
remote: Counting objects: 100% (95/95), done.
remote: Compressing objects: 100% (54/54), done.
remote: Total 314 (delta 56), reused 54 (delta 41), pack-reused 219
Receiving objects: 100% (314/314), 2.28 MiB | 2.25 MiB/s, done.
Resolving deltas: 100% (123/123), done.
W:\Pico>
```

```
Administrator: Command Prompt
Microsoft Windows [Version 10.0.19045.2846]
(c) Microsoft Corporation. All rights reserved.
C:\Windows\system32>w:
W:\>cd Pico
W:\Pico>git clone https://github.com/raspberrypi/pico-sdk.git --branch master
remote: Compressing objects: 100% (318/318), done.
remote: Compressing objects: 100% (237/237), done.
remote: Compressing objects: 100% (237/237), done.
remote: Total 7272 (delta 95), reused 223 (delta 54), pack-reused 6954
Receiving objects: 100% (7272/7272), 2.85 MiB | 2.07 MiB/s, done.
Resolving deltas: 100% (3725/3725), done.
W:\Pico>git clone https://github.com/raspberrypi/pico-examples.git --branch master
Cloning into 'pico-examples'...
remote: Enumerating objects: 2647, done.
remote: Enumerating Objects: 2047, done.
remote: Counting objects: 100% (35/35), done.
remote: Compressing objects: 100% (29/29), done.
remote: Total 2647 (delta 6), reused 28 (delta 5), pack-reused 2612
Receiving objects: 100% (2647/2647), 7.88 MiB | 1.30 MiB/s, done.
Resolving deltas: 100% (1338/1338), done.
W:\Pico>git clone https://github.com/raspberrypi/pico-extras.git --branch master
Cloning into 'pico-extras'...
Cloning into 'pico-extras'...
remote: Enumerating objects: 434, done.
remote: Counting objects: 100% (57/57), done.
remote: Compressing objects: 100% (30/30), done.Receiving objects:
remote: Total 434 (delta 37), reused 27 (delta 27), pack-reused 377
Receiving objects: 100% (434/434), 174.20 KiB | 1.18 MiB/s, done.
Resolving deltas: 100% (198/198), done.
                                                                                                                                                 3% (14/434)
W:\Pico>git clone https://github.com/raspberrypi/pico-playground.git --branch master
Cloning into 'pico-playground'...
remote: Enumerating objects: 314, done.
remote: Counting objects: 100% (95/95), done.
```

```
W:\Pico>cd pico-sdk
```

```
W:\Pico\pico-sdk>git submodule update --init
Submodule 'lib/btstack' (https://github.com/bluekitchen/btstack.git) registered for path 'lib/btstack'
Submodule 'lib/cyw43-driver' (https://github.com/georgerobotics/cyw43-driver.git) registered for path
'lib/cyw43-driver'
Submodule 'lib/lwip' (https://github.com/lwip-tcpip/lwip.git) registered for path 'lib/lwip'
Submodule 'lib/mbedtls' (https://github.com/Mbed-TLS/mbedtls.git) registered for path 'lib/mbedtls'
Submodule 'tinyusb' (https://github.com/hathach/tinyusb.git) registered for path 'lib/tinyusb'
Cloning into 'W:/Pico/pico-sdk/lib/btstack'...
Cloning into 'W:/Pico/pico-sdk/lib/cyw43-driver'.
Cloning into 'W:/Pico/pico-sdk/lib/lwip'...
Cloning into 'W:/Pico/pico-sdk/lib/mbedtls'
Cloning into 'W:/Pico/pico-sdk/lib/tinyusb'...
Submodule path 'lib/btstack': checked out '0d212321a995ed2f9a80988f73ede854c7ad23b8'
Submodule path 'lib/cyw43-driver': checked out '9bfca61173a94432839cd39210f1d1afdf602c42'
Submodule path 'lib/lwip': checked out '239918ccc173cb2c2a62f41a40fd893f57faf1d6'
Submodule path 'lib/mbedtls': checked out 'a77287f8fa6b76f74984121fdafc8563147435c8'
Submodule path 'lib/tinyusb': checked out '86c416d4c0fb38432460b3e11b08b9de76941bf5'
W:\Pico\pico-sdk>cd ..
W:\Pico>setx PICO SDK PATH "W:\Pico\pico-sdk"
SUCCESS: Specified value was saved.
W:\Pico>
```

```
W:\Pico>cd pico-sdk
W:\Pico>cd pico-sdk
W:\Pico>cd pico-sdksgit submodule update --init
Submodule 'lib/btstack' (https://github.com/bluekitchen/btstack.git) registered for path 'lib/btstack' submodule 'lib/cyw43-driver' (https://github.com/georgerobotics/cyw43-driver.git) registered for path 'lib/cyw43-driver'
Submodule 'lib/mbedtls' (https://github.com/wip-tcpip/lwip.git) registered for path 'lib/lwip'
Submodule 'lib/mbedtls' (https://github.com/wip-tcpip/lwip.git) registered for path 'lib/mbedtls'
Submodule 'lib/mysb' (https://github.com/hathach/tinyusb.git) registered for path 'lib/mbedtls'
Submodule 'tinyusb' (https://github.com/hathach/tinyusb.git) registered for path 'lib/tinyusb'
Cloning into 'W:/Pico/pico-sdk/lib/btstack'...
Cloning into 'W:/Pico/pico-sdk/lib/myd43-driver'...
Cloning into 'W:/Pico/pico-sdk/lib/myd43-driver'...
Cloning into 'W:/Pico/pico-sdk/lib/myusb'...
Submodule path 'lib/tbstack': checked out '0d212321a995ed2f9a80988f73ede854c7ad23b8'
Submodule path 'lib/btstack': checked out '0d212321a995ed2f9a80988f73ede854c7ad23b8'
Submodule path 'lib/mbedtls': checked out '3773eff3e6b76f74988412ffdef8953147435c8'
Submodule path 'lib/mbedtls': checked out '37728ff3e6b76f74988412ffdef8563147435c8'
Submodule path 'lib/tinyusb': checked out '37728ff3e6b76f74988412ffdef8563147435c8'
Submodule path 'lib/tinyusb': checked out '86c416d4c0fb38432460b3e11b08b9de76941bf5'
W:\Pico\pico-sdk>cd ..
W:\Pico>setx PICO_SDK_PATH "W:\Pico\pico-sdk"

SUCCESS: Specified value was saved.
W:\Pico>_
```

9. Close the cmd window and run the VS Developer Command Prompt (optionally as admin), to start the build on all (non-W) the examples in pico-examples.



## W:\Pico\pico-examples>cd build

W:\Pico\pico-examples\build>cmake -G "NMake Makefiles" ... Using PICO SDK PATH from environment ('W:\Pico\pico-sdk') PICO SDK PATH is W:/Pico/pico-sdk Defaulting PICO PLATFORM to rp2040 since not specified. Defaulting PICO platform compiler to pico\_arm\_gcc since not specified. -- Defaulting build type to 'Release' since not specified. PICO compiler is pico arm gcc Defaulting PICO EXTRAS PATH as sibling of PICO\_SDK\_PATH: W:/Pico/pico-sdk/../pico-extras -- The C compiler identification is GNU 11.3.1 -- The CXX compiler identification is GNU 11.3.1 -- Detecting C compiler ABI info -- Detecting C compiler ABI info - done -- Check for working C compiler: C:/Dev/ArmGNUToolchain/11.3 rel1/bin/arm-none-eabi-gcc.exe - skipped -- Detecting C compile features -- Detecting C compile features - done -- Detecting CXX compiler ABI info -- Detecting CXX compiler ABI info - done -- Check for working CXX compiler: C:/Dev/ArmGNUToolchain/11.3 rel1/bin/arm-none-eabi-g++.exe - skipped -- Detecting CXX compile features -- Detecting CXX compile features - done -- The ASM compiler identification is GNU -- Found assembler: C:/Dev/ArmGNUToolchain/11.3 rel1/bin/arm-none-eabi-gcc.exe Build type is Release Defaulting PICO target board to pico since not specified. Using board configuration from W:/Pico/pico-sdk/src/boards/include/boards/pico.h -- Found Python3: C:/Dev/Python311/python.exe (found version "3.11.3") found components: Interpreter TinyUSB available at W:/Pico/pico-sdk/lib/tinyusb/src/portable/raspberrypi/rp2040; enabling build support for USB. BTstack available at W:/Pico/pico-sdk/lib/btstack cyw43-driver available at W:/Pico/pico-sdk/lib/cyw43-driver Pico W Bluetooth build support available. lwIP available at W:/Pico/pico-sdk/lib/lwip mbedtls available at W:/Pico/pico-sdk/lib/mbedtls Skipping TinyUSB dual examples, as TinyUSB hw/mcu/raspberry pi/Pico-PIO-USB submodule unavailable -- Configuring done (9.9s)

## W:\Pico\pico-examples\build>

-- Generating done (6.7s)

```
Developer Command Prompt for VS 2022
         ** Visual Studio 2022 Developer Command Prompt v17.5.5

** Copyright (c) 2022 Microsoft Corporation
        :\Program Files (x86)\Microsoft Visual Studio\2022\BuildTools>w:
    W:\>cd Pico
   W:\Pico>cd pico-examples
   W:\Pico\pico-examples>mkdir build
W:\Pico\pico-examples>cd build
W:\Pico\pico-examples\build>cmake -G "NMake Makefiles" ..
Using PICO SDK PATH from environment ('M:\Pico\pico-sdk')
PICO SDK PATH is W:\Pico\pico-sdk
Defaulting PICO PLATFORM to rp2040 since not specified.
Defaulting PICO PLATFORM to rp2040 since not specified.
- befaulting DICO platform compiler to pico_arm_gcc since not specified.
- befaulting DICO platform compiler to pico_arm_gcc since not specified.
- Defaulting DICO EXTRAS PATH as sibling of PICO_SDK_PATH: W:\Pico/pico-sdk/../pico-extras
- The C compiler is pico_arm_gcc
- The C compiler identification is GNU 11.3.1
- Detecting C compiler ABI info - done
- Check for working C compiler ABI info - done
- Check for working C compiler Eatures - done
- Detecting C compiler features - done
- Detecting C compiler ABI info - done
- Detecting C compiler ABI info - done
- Detecting CXX compiler ABI info - done
- Check for working CXX compiler ABI info - done
- Detecting CXX compiler ABI info - done
- The ASN compile features - done
- The ASN compile features - done
- The ASN compile features - done
- The ASN compile identification is GNU
- Found assembler: C:\Dev/ArmGNUToolchain/11.3 rell/bin/arm-none-eabi-gcc.exe

Build type is Release

Defaulting PICO target board to pico since not specified.

Using board configuration from W:\Pico\pico-sdk/src/boards/include/boards/pico.h
- Found Python3: C:\Dev/Python3il/python.exe (found version "3.11.3") found components: Interpreter
TinyUSB available at W:\Pico\pico-sdk/lib/hymsb/src/portable/raspberrypi/rp2040; enabling build support for USB.
BIStack available at W:\Pico\pico-sdk/lib/hymsb/src/portable/raspberrypi/rp2040; enabling build support available.
- Configuring done (0.9s)
- Generating done (6.7s)
- Build
        V:\Pico\pico-examples>cd build
        /:\Pico\pico-examples\build>_
```

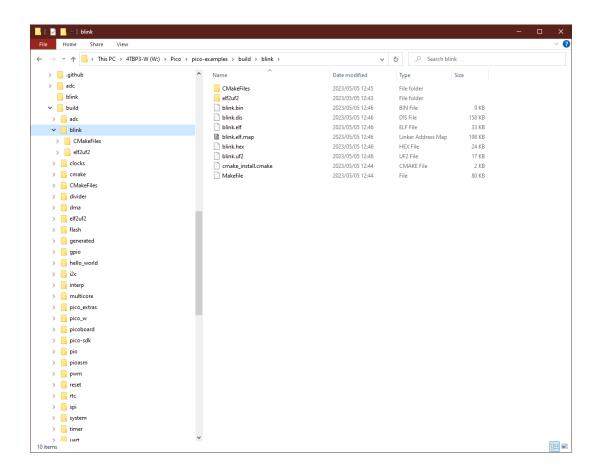
-- Build files have been written to: W:/Pico/pico-examples/build

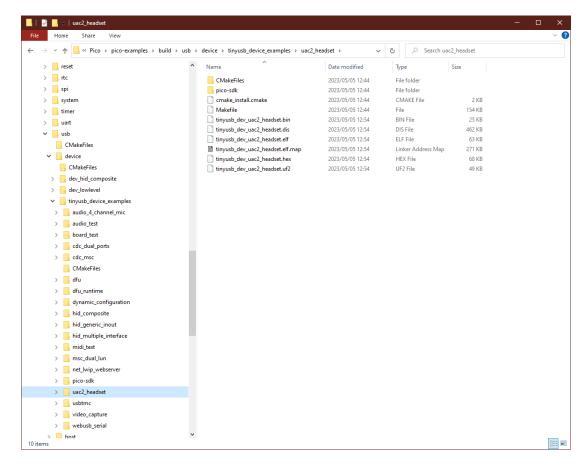
```
Developer Command Prompt for VS 2022 - nmake
       Detecting CXX compile features
-- Detecting CXX compile features
-- Detecting CXX compile features
-- Detecting CXX compile features - done
-- The ASM compiler identification is GNU
-- Found assembler: C:/Dev/ArmGNUToolchain/11.3 rel1/bin/arm-none-eabi-gcc.exe
Build type is Release
Defaulting PICO target board to pico since not specified.
Using board configuration from W:/Pico/pico-sdk/src/boards/include/boards/pico.h
-- Found Python3: C:/Dev/Python311/python.exe (found version "3.11.3") found components: Interpreter
TinyUSB available at W:/Pico/pico-sdk/lib/tinyusb/src/portable/raspberrypi/rp2040; enabling build support for USB.
BIstack available at W:/Pico/pico-sdk/lib/bw43-driver
BTstack available at W:/Pico/pico-sdk/lib/btstack
cyw43-driver available at W:/Pico/pico-sdk/lib/cyw43-driver
Pico W Bluetooth build support available.
lwIP available at W:/Pico/pico-sdk/lib/lwip
mbedtls available at W:/Pico/pico-sdk/lib/mbedtls
Skipping TinyUSB dual examples, as TinyUSB hw/mcu/raspberry_pi/Pico-PIO-USB submodule unavailable
-- Configuring done (9.9s)
-- Generating done (6.7s)
-- Build files have been written to: W:/Pico/pico-examples/build
W:\Pico\pico-examples\build>nmake
Microsoft (R) Program Maintenance Utility Version 14.35.32217.1
Copyright (C) Microsoft Corporation. All rights reserved.
                                    ASM executable bs2 default.elf
 | 0%| Built target bs2_default
| 0%| Creating directories for 'PioasmBuild'
| 0%| No download step for 'PioasmBuild'
| 0%| No update step for 'PioasmBuild'
| 0%| No patch step for 'PioasmBuild'
| 0%| Performing configure step for 'PioasmBuild'
| loading initial cache file W:/Pico/pico-examples/build/pico-sdk/src/rp2_common/pico_cyw43_driver/pioasm/tmp/PioasmBuild-
| cache-Release.cmake
       0%1
      The CXX compiler identification is MSVC 19.35.32217.1
Detecting CXX compiler ABI info
Detecting CXX compiler ABI info - done
  - Check for working CXX compiler: C:/Program Files (x86)/Microsoft Visual Studio/2022/BuildTools/VC/Tools/MSVC/14.35.32
15/bin/Hostx86/x86/cl.exe - skipped
      Detecting CXX compile features

Detecting CXX compile features - done
Configuring done (1.4s)
Generating done (0.0s)
Build files have been written to: W:/Pico/pico-examples/build/pioasm
      0%] Performing build step for 'PioasmBuild
 Microsoft (R) Program Maintenance Utility Version 14.35.32217.1
Copyright (C) Microsoft Corporation. All rights reserved.
    10%] Building CXX object CMakeFiles/pioasm.dir/main.cpp.obj
  ain.cpp
   20%] Building CXX object CMakeFiles/pioasm.dir/pio_assembler.cpp.obj
 pio assembler.cpp
```

```
Developer Command Prompt for VS 2022
                                                                                                                                                                ble_aeabi.S.obj
wilding C object watchdog/hello_watchdog/CMakeFiles/hello_watchdog.dir/W_/Pico/pico-sdk/src/rp2_common/pico_doul
  99%]
         le_init_rom.c.obj
Building C object watchdog/hello_watchdog/CMakeFiles/hello_watchdog.dir/W_/Pico/pico-sdk/src/rp2_common/pico_dou
 99%]
         le_math.c.obj
Building ASM object watchdog/hello_watchdog/CMakeFiles/hello_watchdog.dir/W_/Pico/pico-sdk/src/rp2_common/pico_do
           urruing ASM object watchdog/hello_watchdog/CMakeFiles/hello_watchdog.dir/W_/Pico/pico-sdk/src/rp2_common/pico_do
ble_v1_rom_shim.S.obj
uilding ASM object watchdog/hello_watchdog/CMakeFiles/hello_watchdog.dir/W_/Pico/pico-sdk/src/rp2_common/pico_ir
pico_int64_ops_aeabi.S.obj
uilding ASM object watchdog/hello_watchdog/CMakeFiles/hello_watchdog.dir/W_/Pico/pico-sdk/src/rp2_common/pico_fl
t_aeabi.S.obj
 99%]
 99%1
 99%1
100%]
100%]
         at_v1_rom_shim.S.obj
Building C object watchdog/hello_watchdog/CMakeFiles/hello_watchdog.dir/W_/Pico/pico-sdk/src/rp2_common/pico_mal
100%]
         Building ASM object watchdog/hello watchdog/CMakeFiles/hello watchdog.dir/W /Pico/pico-sdk/src/rp2 common/pico m
[100%]
           m_ops_aeabi.S.obj
uilding ASM object watchdog/hello_watchdog/CMakeFiles/hello_watchdog.dir/W_/Pico/pico-sdk/src/rp2_common/pico_s
ink/crt0.S.obj
100%1
[100%]
100%]
100%]
100%]
                                utable hello watchdog.elf
100%] Built target hello_watchdog
:\Pico\pico-examples\build>
```

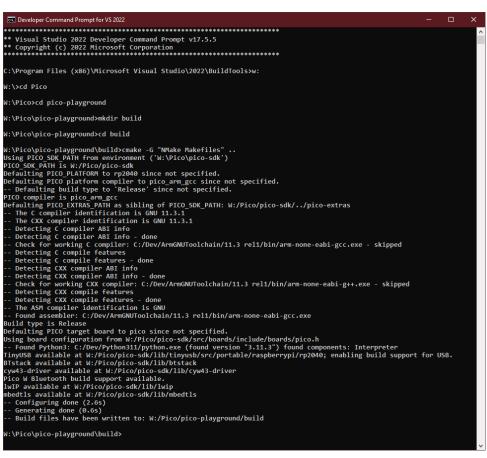
The uf2 files are in the pico-examples\build\sub-folders – including the tinyusb examples.





Building the usb\_sound\_card only:

```
** Visual Studio 2022 Developer Command Prompt v17.5.5
** Copyright (c) 2022 Microsoft Corporation
W:\Pico>cd pico-playground
W:\Pico\pico-playground>mkdir build
W:\Pico\pico-playground>cd build
W:\Pico\pico-playground\build>cmake -G "NMake Makefiles" ..
Using PICO SDK PATH from environment ('W:\Pico\pico-sdk')
PICO SDK PATH is W:/Pico/pico-sdk
Defaulting PICO_PLATFORM to rp2040 since not specified.
Defaulting PICO platform compiler to pico_arm_gcc since not specified.
 -- Defaulting build type to 'Release' since not specified.
PICO compiler is pico arm gcc
Defaulting PICO EXTRAS PATH as sibling of PICO SDK PATH: W:/Pico/pico-sdk/../pico-extras
-- The C compiler identification is GNU 11.3.1
-- The CXX compiler identification is GNU 11.3.1
-- Detecting C compiler ABI info
-- Detecting C compiler ABI info - done
-- Check for working C compiler: C:/Dev/ArmGNUToolchain/11.3 rel1/bin/arm-none-eabi-gcc.exe - skipped
-- Detecting C compile features
-- Detecting C compile features - done
-- Detecting CXX compiler ABI info
-- Detecting CXX compiler ABI info - done
-- Check for working CXX compiler: C:/Dev/ArmGNUToolchain/11.3 rel1/bin/arm-none-eabi-g++.exe - skipped
-- Detecting CXX compile features
-- Detecting CXX compile features - done
-- The ASM compiler identification is GNU
-- Found assembler: C:/Dev/ArmGNUToolchain/11.3 rel1/bin/arm-none-eabi-gcc.exe
Build type is Release
Defaulting PICO target board to pico since not specified.
Using board configuration from W:/Pico/pico-sdk/src/boards/include/boards/pico.h
-- Found Python3: C:/Dev/Python311/python.exe (found version "3.11.3") found components: Interpreter
TinyUSB available at W:/Pico/pico-sdk/lib/tinyusb/src/portable/raspberrypi/rp2040; enabling build support for
USB.
BTstack available at W:/Pico/pico-sdk/lib/btstack
cyw43-driver available at W:/Pico/pico-sdk/lib/cyw43-driver
Pico W Bluetooth build support available.
lwIP available at W:/Pico/pico-sdk/lib/lwip
mbedtls available at W:/Pico/pico-sdk/lib/mbedtls
-- Configuring done (2.6s)
-- Generating done (0.6s)
-- Build files have been written to: W:/Pico/pico-playground/build
```



```
W:\Pico\pico-playground\build>
W:\Pico\pico-playground\build>cd apps\usb_sound_card
W:\Pico\pico-playground\build\apps\usb_sound_card>nmake
```

Developer Command Prompt for VS 2022	×
oat math.c.obj	^
[ 75%] Building ASM object apps/usb sound card/CMakeFiles/usb sound card.dir/W /Pico/pico-sdk/src/rp2 common/pico f	loat/
float v1 rom shim.S.obj	
[ 75%] Building C object apps/usb_sound_card/CMakeFiles/usb_sound_card.dir/W /Pico/pico-sdk/src/rp2_common/pico_mal	loc/p
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[ 75%] Building ASM object apps/usb_sound_card/CMakeFiles/usb_sound_card.dir/W_/Pico/pico-sdk/src/rp2_common/pico_m	em_op
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[ <b>75%</b> ] Building C object apps/usb_sound_card/CMakeFiles/usb_sound_card.dir/W_/Pico/pico-extras/src/rp2_common/usb_d	evice
/usb_device.c.obj	
[ 87%] Building C object apps/usb_sound_card/CMakeFiles/usb_sound_card.dir/W_/Pico/pico-extras/src/rp2_common/usb_do	evice
/usb_stream_helper.c.obj	
[ 87%] Building C object apps/usb_sound_card/CMakeFiles/usb_sound_card.dir/W_/Pico/pico-sdk/src/rp2_common/hardware	_dma/
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[ 87%] Building C object apps/usb sound card/CMakeFiles/usb sound card.dir/W /Pico/pico-sdk/src/rp2 common/pico mul	ticor
e/multicore.c.obj	
[100%] Linking CXX executable usb_sound_card.elf	
[100%] Built target usb_sound_card	
W:\Pico\pico-playground\build\apps\usb_sound_card>_	~

