* Executing task: nRF Connect: Build: SkyCycle/build (active)

Building SkyCycle

C:\Windows\system32\cmd.exe /d /s /c "west build --build-dir c:/Users/User/SkyCycle/build c:/Users/User/SkyCycle"

[1/11] Linking C executable zephyr\zephyr_pre0.elf

FAILED: zephyr/zephyr_pre0.elf zephyr/zephyr_pre0.map C:/Users/User/SkyCycle/build/zephyr/zephyr_pre0.map

cmd.exe /C "cd . && C:\ncs\toolchains\cf2149caf2\opt\zephyr-sdk\arm-zephyr-eabi\bin\arm-zephyr-eabi-gcc.exe zephyr/CMakeFiles/zephyr_pre0.dir/misc/empty_file.c.obj -o zephyr\zephyr_pre0.elf zephyr/CMakeFiles/offsets.dir/./arch/arm/core/offsets/offsets.c.obj -Wl,-T zephyr/linker_zephyr_pre0.cmd -Wl,-Map=C:/Users/User/SkyCycle/build/zephyr/zephyr_pre0.map -Wl,--whole-archive app/libapp.a zephyr/libzephyr.a zephyr/arch/common/libarch__common.a zephyr/arch/arch/arm/core/aarch32/libarch__arm__core__aarch32.a zephyr/arch/arch/arm/core/aarch32/cortex_m/libarch__arm__core__aarch32__cortex_m.a zephyr/arch/arch/arm/core/aarch32/mpu/libarch__arm__core__aarch32__mpu.a zephyr/lib/libc/minimal/liblib__libc__minimal.a zephyr/lib/posix/liblib__posix.a zephyr/soc/arm/common/cortex_m/libsoc__arm__common__cortex_m.a zephyr/soc/arm/nordic_nrf/nrf52/libsoc__arm__nordic_nrf__nrf52.a zephyr/drivers/clock_control/libdrivers__clock_control.a zephyr/drivers/console/libdrivers__console.a zephyr/drivers/gpio/libdrivers__gpio.a zephyr/drivers/serial/libdrivers__serial.a zephyr/drivers/timer/libdrivers__timer.a zephyr/drivers/pinctrl/libdrivers__pinctrl.a modules/nrf/lib/fatal_error/lib..__nrf__lib__fatal_error.a modules/nrf/drivers/hw_cc310/lib..__nrf__drivers__hw_cc310.a modules/hal_nordic/nrfx/libmodules__hal_nordic__nrfx.a modules/segger/libmodules__segger.a -Wl,--no-whole-archive zephyr/kernel/libkernel.a -L"c:/ncs/toolchains/cf2149caf2/opt/zephyr-sdk/arm-zephyr-eabi/bin/../lib/gcc/arm-zephyr-eabi/12.2.0/thumb/v7e-m/nofp" -LC:/Users/User/SkyCycle/build/zephyr -lgcc zephyr/arch/common/libisr_tables.a -no-pie -mcpu=cortex-m4 -mthumb -mabi=aapcs -mfp16-format=ieee -Wl,--gc-sections -Wl,--build-id=none -Wl,--sort-common=descending -Wl,--sort-section=alignment -Wl,-u,_OffsetAbsSyms -Wl,-u,_ConfigAbsSyms -nostdlib -static -Wl,-X -Wl,-N -Wl,--orphan-handling=warn C:/Users/User/nrfxlib/crypto/nrf_cc310_platform/lib/cortex-m4/soft-float/no-interrupts/libnrf_cc310_platform_0.9.15.a && cmd.exe /C "cd /D C:\Users\User\SkyCycle\build\zephyr && C:\ncs\toolchains\cf2149caf2\opt\bin\cmake.exe -E echo """

c:/ncs/toolchains/cf2149caf2/opt/zephyr-sdk/arm-zephyr-eabi/bin/../lib/gcc/arm-zephyr-eabi/12.2.0/../../../../arm-zephyr-eabi/bin/ld.exe: app/libapp.a(main.c.obj): in function `main':

C:/Users/User/SkyCycle/src/main.c:65: undefined reference to `__device_dts_ord_93'

c:/ncs/toolchains/cf2149caf2/opt/zephyr-sdk/arm-zephyr-eabi/bin/../lib/gcc/arm-zephyr-eabi/12.2.0/../../../../arm-zephyr-eabi/bin/ld.exe: zephyr/drivers/console/libdrivers__console.a(uart_console.c.obj): in function `uart_console_init':

C:/Users/User/zephyr/drivers/console/uart_console.c:595: undefined reference to `__device_dts_ord_93'

collect2.exe: error: ld returned 1 exit status

ninja: build stopped: subcommand failed.

FATAL ERROR: command exited with status 1: 'C:\ncs\toolchains\cf2149caf2\opt\bin\cmake.EXE' --build 'c:\Users\User\SkyCycle\build'

* The terminal process terminated with exit code: 1.

* Terminal will be reused by tasks, press any key to close it.

* Executing task: nRF Connect: Build [pristine]: SkyCycle/build (active)

Building SkyCycle

C:\Windows\system32\cmd.exe /d /s /c "west build --build-dir c:/Users/User/SkyCycle/build c:/Users/User/SkyCycle --pristine --board pinnacle_100_dvk -- -DNCS_TOOLCHAIN_VERSION=NONE -DCONFIG_DEBUG_OPTIMIZATIONS=y -DCONFIG_DEBUG_THREAD_INFO=y -DCACHED_CONF_FILE=c:/Users/User/SkyCycle/prj.conf"

-- west build: generating a build system

Loading Zephyr default modules (Zephyr base).

-- Application: C:/Users/User/SkyCycle

-- Found Python3: C:/ncs/toolchains/cf2149caf2/opt/bin/python.exe (found suitable exact version "3.9.13") found components: Interpreter

-- Cache files will be written to: C:/Users/User/zephyr/.cache

-- Zephyr version: 3.1.99 (C:/Users/User/zephyr)

-- Found west (found suitable version "1.2.0", minimum required is "0.7.1")

-- Board: pinnacle_100_dvk

-- Found host-tools: zephyr 0.16.5 (C:/ncs/toolchains/cf2149caf2/opt/zephyr-sdk)

-- Found dtc: C:/ncs/toolchains/cf2149caf2/opt/bin/dtc.exe (found suitable version "1.4.7", minimum required is "1.4.6")

-- Found toolchain: zephyr 0.16.5 (C:/ncs/toolchains/cf2149caf2/opt/zephyr-sdk)

-- Found BOARD.dts: C:/Users/User/zephyr/boards/arm/pinnacle_100_dvk/pinnacle_100_dvk.dts

-- Found devicetree overlay: C:/Users/User/SkyCycle/pinnacle_100_dvk.overlay

-- Generated zephyr.dts: C:/Users/User/SkyCycle/build/zephyr/zephyr.dts

-- Generated devicetree_unfixed.h: C:/Users/User/SkyCycle/build/zephyr/include/generated/devicetree_unfixed.h

-- Generated device_extern.h: C:/Users/User/SkyCycle/build/zephyr/include/generated/device_extern.h

-- Including generated dts.cmake file: C:/Users/User/SkyCycle/build/zephyr/dts.cmake

Parsing C:/Users/User/zephyr/Kconfig

Loaded configuration 'C:/Users/User/zephyr/boards/arm/pinnacle_100_dvk/pinnacle_100_dvk_defconfig'

Merged configuration 'c:/Users/User/SkyCycle/prj.conf'

Merged configuration 'C:/Users/User/SkyCycle/build/zephyr/misc/generated/extra_kconfig_options.conf'

Configuration saved to 'C:/Users/User/SkyCycle/build/zephyr/.config'

Kconfig header saved to 'C:/Users/User/SkyCycle/build/zephyr/include/generated/autoconf.h'

-- The C compiler identification is GNU 12.2.0

-- The CXX compiler identification is GNU 12.2.0

-- The ASM compiler identification is GNU

-- Found assembler: C:/ncs/toolchains/cf2149caf2/opt/zephyr-sdk/arm-zephyr-eabi/bin/arm-zephyr-eabi-gcc.exe

-- Application version: 1491b8846e6e

-- Configuring done

-- Generating done

-- Build files have been written to: C:/Users/User/SkyCycle/build

-- west build: building application

[1/175] Generating include/generated/version.h

-- Zephyr version: 3.1.99 (C:/Users/User/zephyr), build: zephyr-v2.6.0-15155-g6e8210d69a74

[42/175] Building C object
zephyr/arch/arch/arm/core/aarch32/mpu/CMakeFiles/arch__arm__core__aarch32__mpu.dir/arm_core_mpu.c.obj

C:/Users/User/zephyr/arch/arm/core/aarch32/mpu/arm_core_mpu.c: In function
'z_arm_configure_dynamic_mpu_regions':

C:/Users/User/zephyr/arch/arm/core/aarch32/mpu/arm_core_mpu.c:311:9: warning:
'arm_core_mpu_configure_dynamic_mpu_regions' reading 12 bytes from a region of size 0 [-Wstringop-overread]

311 | arm_core_mpu_configure_dynamic_mpu_regions(dynamic_regions,

| ^~~~~~~

312 | region_num);

|~~~~~~~~~~~

C:/Users/User/zephyr/arch/arm/core/aarch32/mpu/arm_core_mpu.c:311:9: note: referencing
argument 1 of type 'const struct z_arm_mpu_partition[0]'

In file included from C:/Users/User/zephyr/arch/arm/core/aarch32/mpu/arm_core_mpu.c:12:

C:/Users/User/zephyr/arch/arm/core/aarch32/mpu/arm_core_mpu_dev.h:187:6: note: in a call to
function 'arm_core_mpu_configure_dynamic_mpu_regions'

187 | void arm_core_mpu_configure_dynamic_mpu_regions(

| ^~~~~~~

C:/Users/User/zephyr/arch/arm/core/aarch32/mpu/arm_core_mpu.c:311:9: warning:
'arm_core_mpu_configure_dynamic_mpu_regions' reading 12 bytes from a region of size 0 [-Wstringop-overread]

311 | arm_core_mpu_configure_dynamic_mpu_regions(dynamic_regions,

| ^~~~~~~

312 | region_num);

|~~~~~~~~~~~

C:/Users/User/zephyr/arch/arm/core/aarch32/mpu/arm_core_mpu.c:311:9: note: referencing
argument 1 of type 'const struct z_arm_mpu_partition[0]'

C:/Users/User/zephyr/arch/arm/core/aarch32/mpu/arm_core_mpu_dev.h:187:6: note: in a call to
function 'arm_core_mpu_configure_dynamic_mpu_regions'

187 | void arm_core_mpu_configure_dynamic_mpu_regions(

| ^~~~~~~

[165/175] Linking C executable zephyr\zephyr_pre0.elf

C:/Users/User/SkyCycle/build/zephyr/zephyr_pre0.map

cmd.exe /C "cd . && C:\ncs\toolchains\cf2149caf2\opt\zephyr-sdk\arm-zephyr-eabi\bin\arm-zephyr-eabi-gcc.exe zephyr/CMakeFiles/zephyr_pre0.dir/misc/empty_file.c.obj -o zephyr\zephyr_pre0.elf zephyr/CMakeFiles/offsets.dir/./arch/arm/core/offsets/offsets.c.obj -Wl,-T zephyr/linker_zephyr_pre0.cmd -Wl,-Map=C:/Users/User/SkyCycle/build/zephyr/zephyr_pre0.map -Wl,--whole-archive app/libapp.a zephyr/libzephyr.a zephyr/arch/common/libarch__common.a zephyr/arch/arch/arm/core/aarch32/libarch__arm__core__aarch32.a zephyr/arch/arch/arm/core/aarch32/cortex_m/libarch__arm__core__aarch32__cortex_m.a zephyr/arch/arch/arm/core/aarch32/mpu/libarch__arm__core__aarch32__mpu.a zephyr/lib/libc/minimal/liblib__libc__minimal.a zephyr/lib/posix/liblib__posix.a zephyr/soc/arm/common/cortex_m/libsoc__arm__common__cortex_m.a zephyr/soc/arm/nordic_nrf/nrf52/libsoc__arm__nordic_nrf__nrf52.a zephyr/drivers/clock_control/libdrivers__clock_control.a zephyr/drivers/console/libdrivers__console.a zephyr/drivers/gpio/libdrivers__gpio.a zephyr/drivers/serial/libdrivers__serial.a zephyr/drivers/timer/libdrivers__timer.a zephyr/drivers/pinctrl/libdrivers__pinctrl.a modules/nrf/lib/fatal_error/lib..__nrf__lib__fatal_error.a modules/nrf/drivers/hw_cc310/lib..__nrf__drivers__hw_cc310.a modules/hal_nordic/nrfx/libmodules__hal_nordic__nrfx.a modules/segger/libmodules__segger.a -Wl,--no-whole-archive zephyr/kernel/libkernel.a -L"c:/ncs/toolchains/cf2149caf2/opt/zephyr-sdk/arm-zephyr-eabi/bin/../lib/gcc/arm-zephyr-eabi/12.2.0/thumb/v7e-m/nofp" -LC:/Users/User/SkyCycle/build/zephyr -lgcc zephyr/arch/common/libisr_tables.a -no-pie -mcpu=cortex-m4 -mthumb -mabi=aapcs -mfp16-format=ieee -Wl,--gc-sections -Wl,--build-id=none -Wl,--sort-common=descending -Wl,--sort-section=alignment -Wl,-u,_OffsetAbsSyms -Wl,-u,_ConfigAbsSyms -nostdlib -static -Wl,-X -Wl,-N -Wl,--orphan-handling=warn C:/Users/User/nrfxlib/crypto/nrf_cc310_platform/lib/cortex-m4/soft-float/no-interrupts/libnrf_cc310_platform_0.9.15.a && cmd.exe /C "cd /D C:\Users\User\SkyCycle\build\zephyr && C:\ncs\toolchains\cf2149caf2\opt\bin\cmake.exe -E echo """

c:/ncs/toolchains/cf2149caf2/opt/zephyr-sdk/arm-zephyr-eabi/bin/../lib/gcc/arm-zephyr-eabi/12.2.0/../../../../arm-zephyr-eabi/bin/ld.exe: app/libapp.a(main.c.obj): in function `main':

C:/Users/User/SkyCycle/src/main.c:65: undefined reference to `__device_dts_ord_93'

c:/ncs/toolchains/cf2149caf2/opt/zephyr-sdk/arm-zephyr-eabi/bin/../lib/gcc/arm-zephyr-eabi/12.2.0/../../../../arm-zephyr-eabi/bin/ld.exe: zephyr/drivers/console/libdrivers__console.a(uart_console.c.obj): in function `uart_console_init':

C:/Users/User/zephyr/drivers/console/uart_console.c:595: undefined reference to `__device_dts_ord_93'

* The terminal process terminated with exit code: 1.

* Terminal will be reused by tasks, press any key to close it.

Looking at CMakeError.log, I see the following:

Compiling the CXX compiler identification source file "CMakeCXXCompilerId.cpp" failed.

Compiler: C:/ncs/toolchains/cf2149caf2/opt/zephyr-sdk/arm-zephyr-eabi/bin/arm-zephyr-eabi-gcc.exe

Build flags:

ld flags:

The output was:

1

c:/ncs/toolchains/cf2149caf2/opt/zephyr-sdk/arm-zephyr-eabi/bin/../lib/gcc/arm-zephyr-eabi/12.2.0/../../../../arm-zephyr-eabi/bin/ld.exe: c:/ncs/toolchains/cf2149caf2/opt/zephyr-sdk/arm-zephyr-eabi/bin/../lib/gcc/arm-zephyr-eabi/12.2.0/../../../../arm-zephyr-eabi/lib\libc.a(lib_a-exit.o): in function `exit':

exit.c:(.text.exit+0x34): undefined reference to `_exit'

collect2.exe: error: ld returned 1 exit status