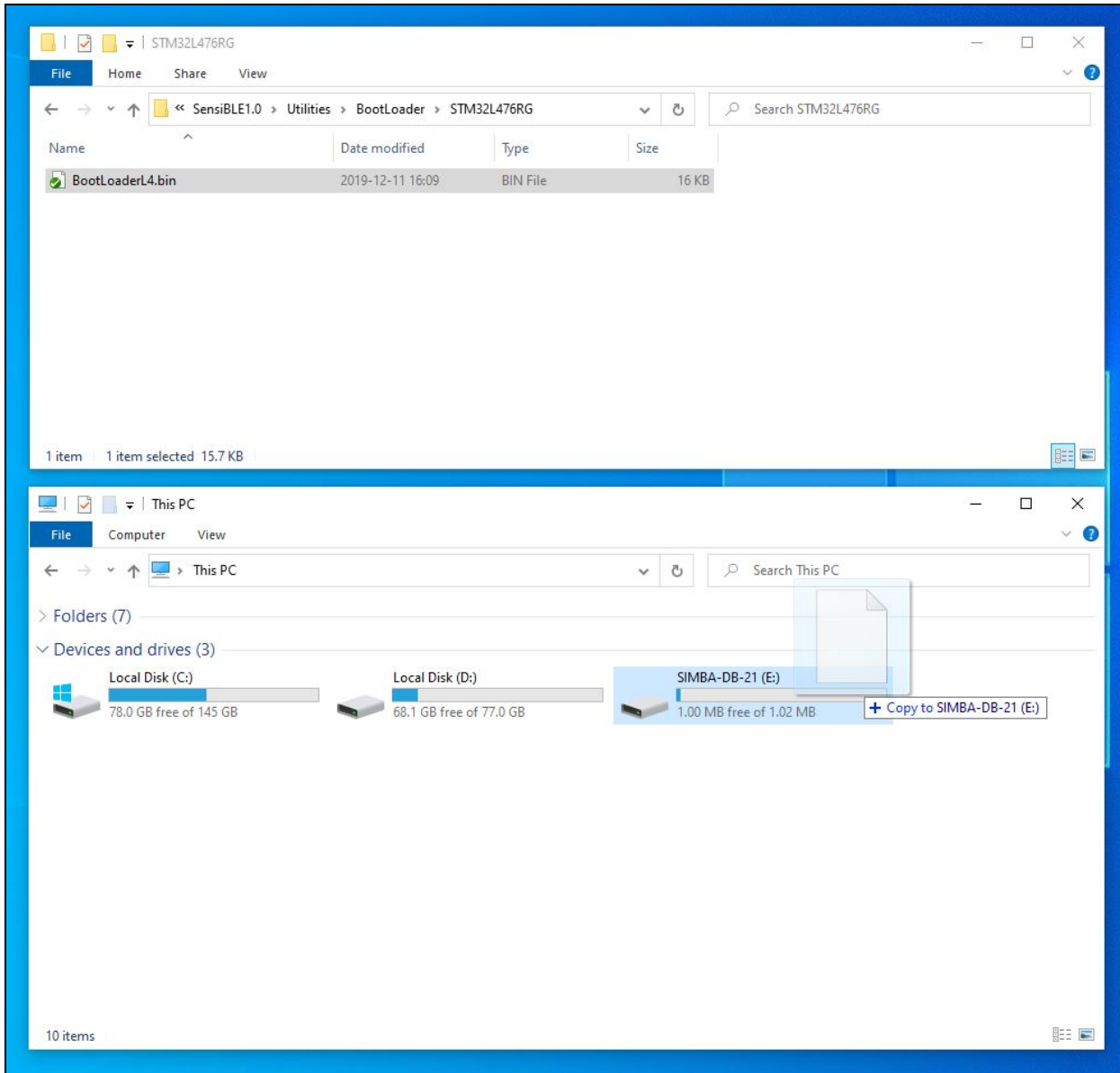


Write bootloader to MCU memory

Example project expected to work with bootloader (Bootloader implements OTA functionality).

When bootloader used main program write address must be 0x08004000. This value already set in LinkerScript.ld file and no changes needed. To restore bootloader

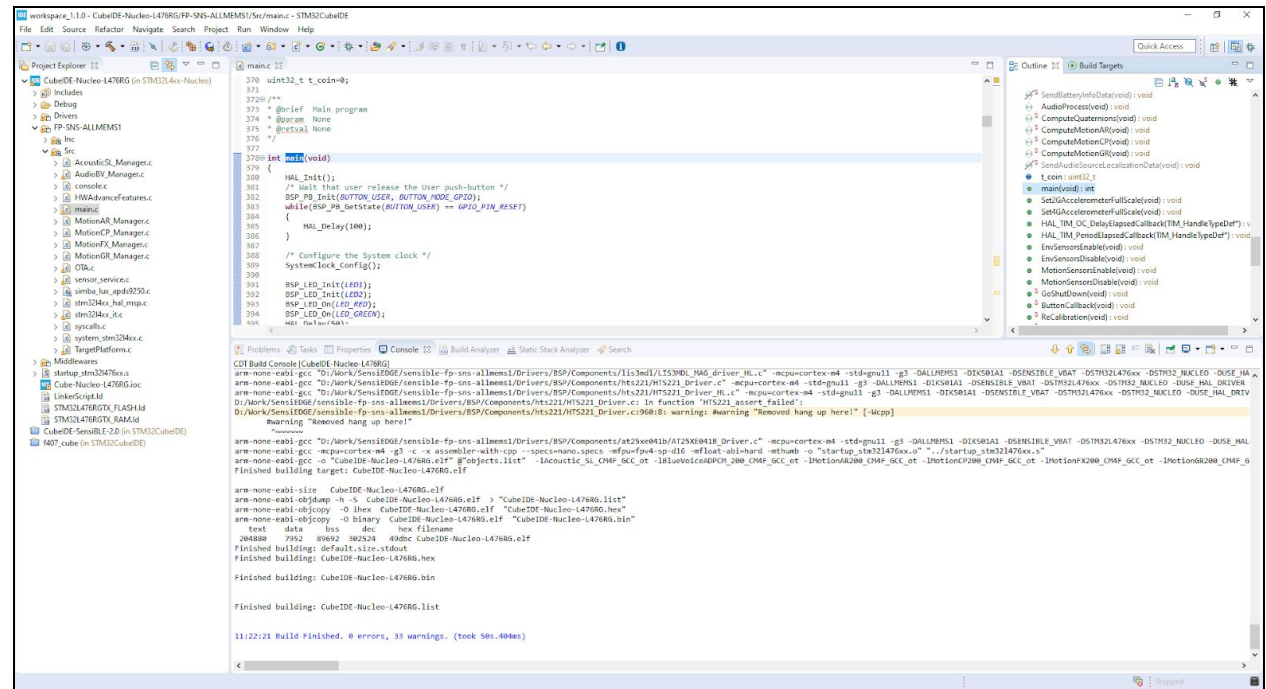
SensiBLE1.0\Utilities\BootLoader\STM32L476RG\BootLoaderL4.bin must be written to MCU. It can be done with file drag to debugger disk in Windows Explorer.



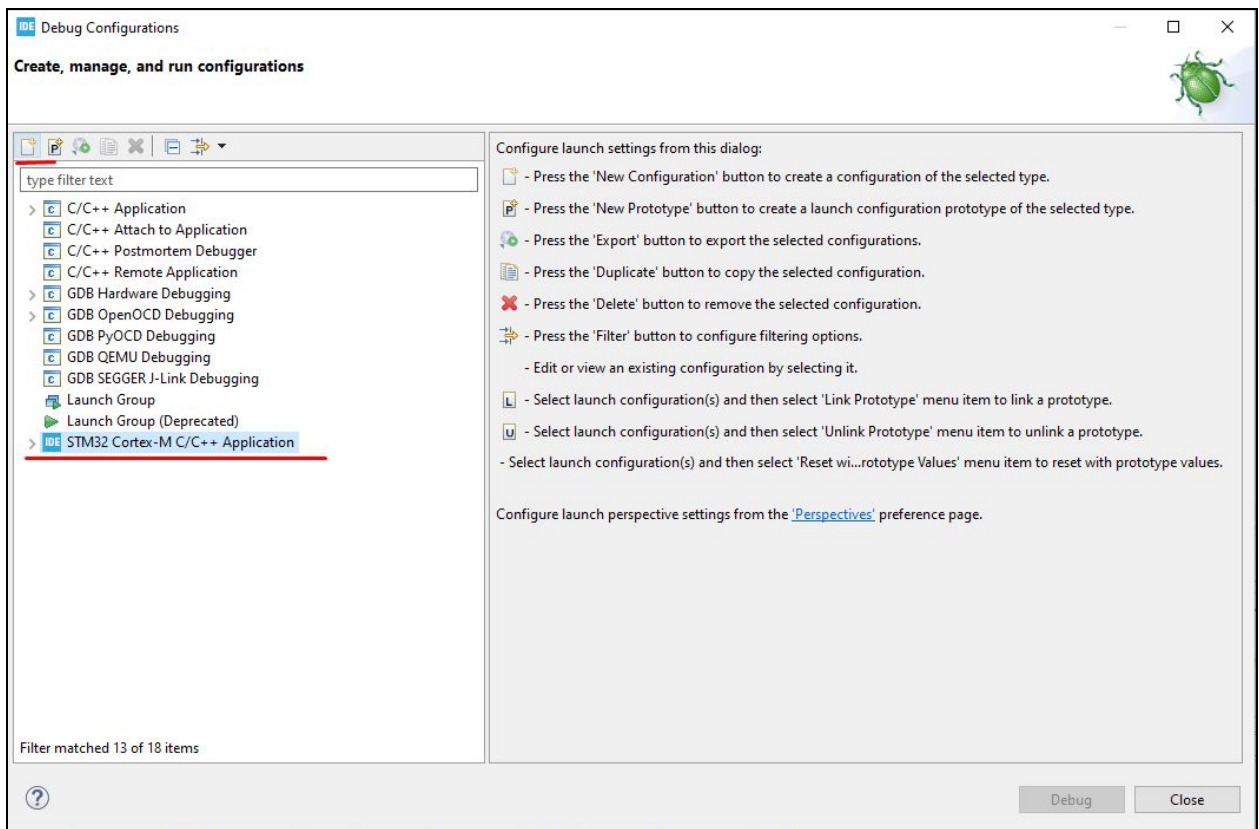
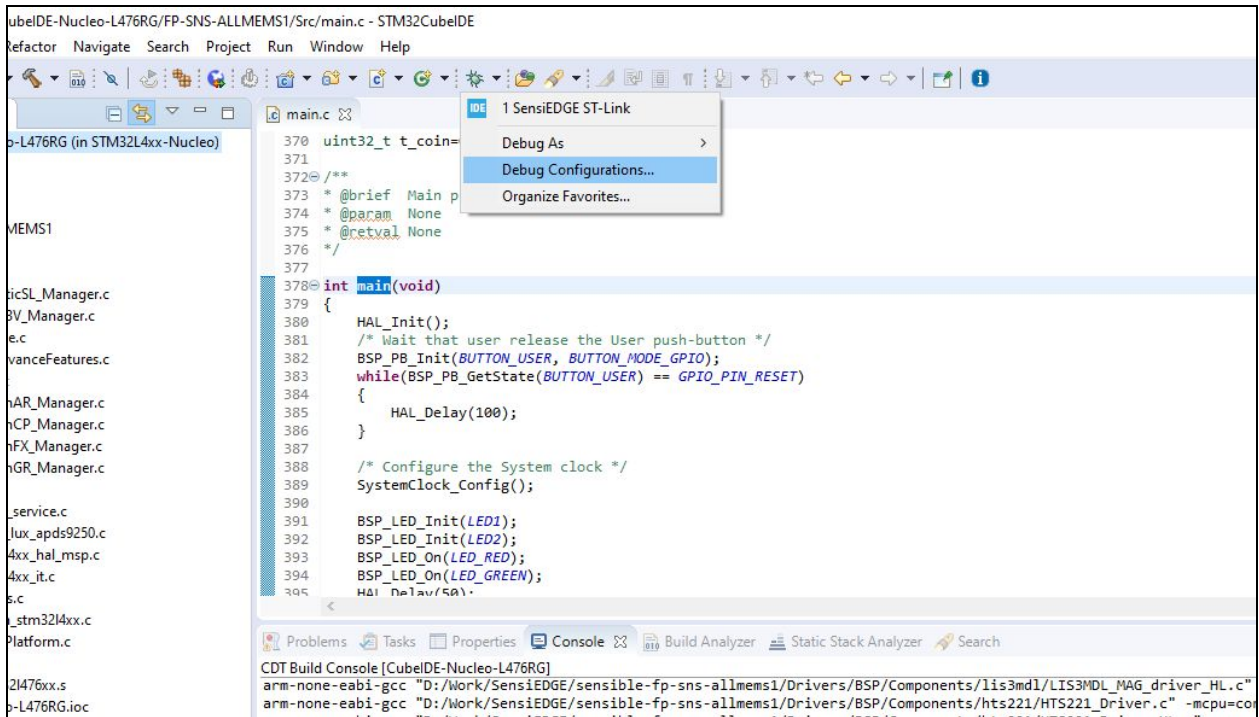
Open project in CubeIDE

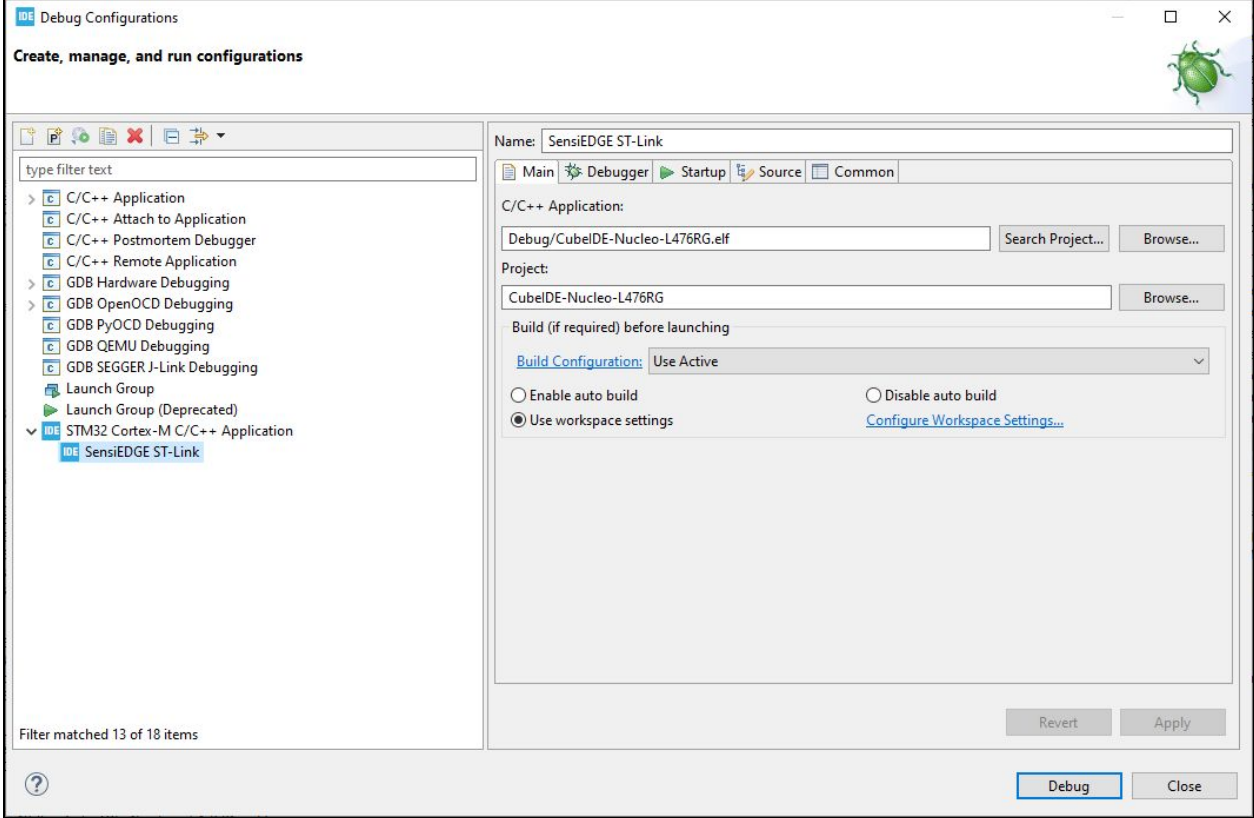
Right click on CubeIDE Project Explorer -> Import -> General -> Existing Project into Workspace -> Select root directory -> Browse

Select path to CubeIDE project folder:



Setup debug







type filter text

> C/C++ Application

> C/C++ Attach to Application

> C/C++ Postmortem Debugger

> C/C++ Remote Application

> GDB Hardware Debugging

> GDB OpenOCD Debugging

> GDB PyOCD Debugging

> GDB QEMU Debugging

> GDB SEGGER J-Link Debugging

> Launch Group

> Launch Group (Deprecated)

> STM32 Cortex-M C/C++ Application

> SensiEDGE ST-Link

Filter matched 13 of 18 items

Name: SensiEDGE ST-Link

Main | Debugger | Startup | Source | Common

GDB Connection Settings

☒ Autostart local GDB server

Host name or IP address: localhost

☐ Connect to remote GDB server

Port number: 61234

Debug probe: ST-LINK (ST-LINK GDB server)

GDB Server Command Line Options

Interface

☒ SWD

☐ JTAG

☐ Use specific ST-LINK S/N

Scan

Access port: 0 - Cortex-M4

Reset behaviour

Type: Software system reset

☐ Halt all cores

Serial Wire Viewer (SWV)

☐ Enable

Clock Settings

Core Clock: 16.0 MHz

SWO Clock: 2000 kHz

Port number: 61235

☒ Wait for sync packet

Misc

☒ Verify flash download

☒ Enable live expressions

☐ Log to file:

Browse...

☐ External Loader:

Scan

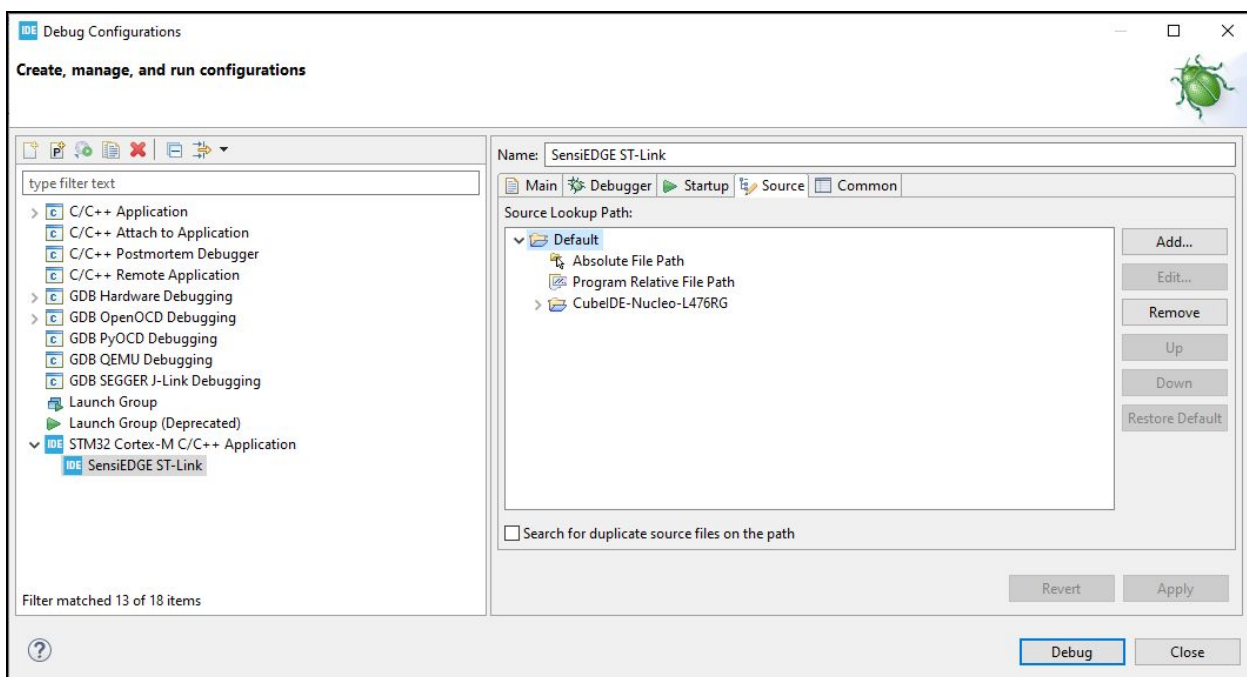
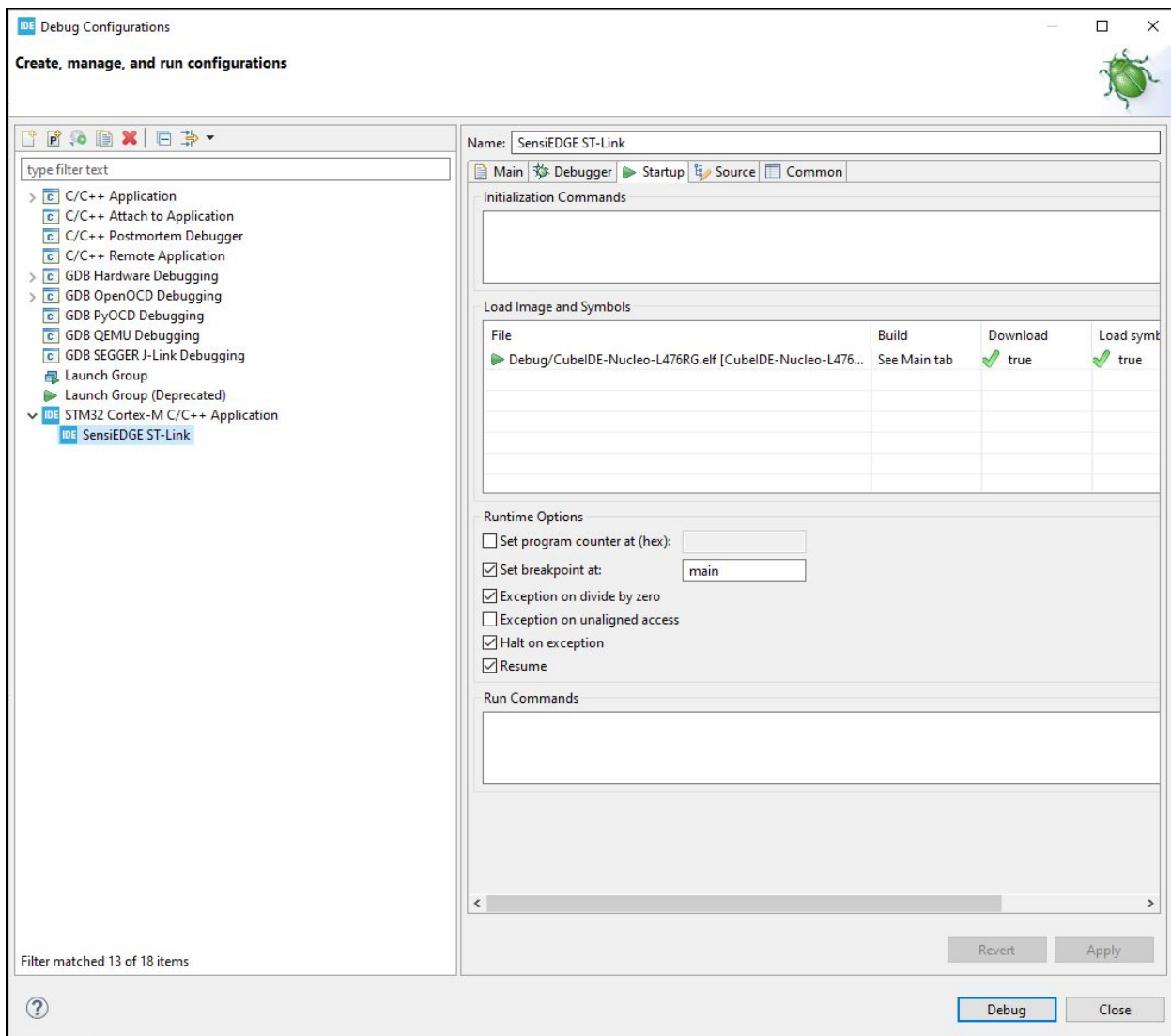
☐ Enable shared ST-LINK

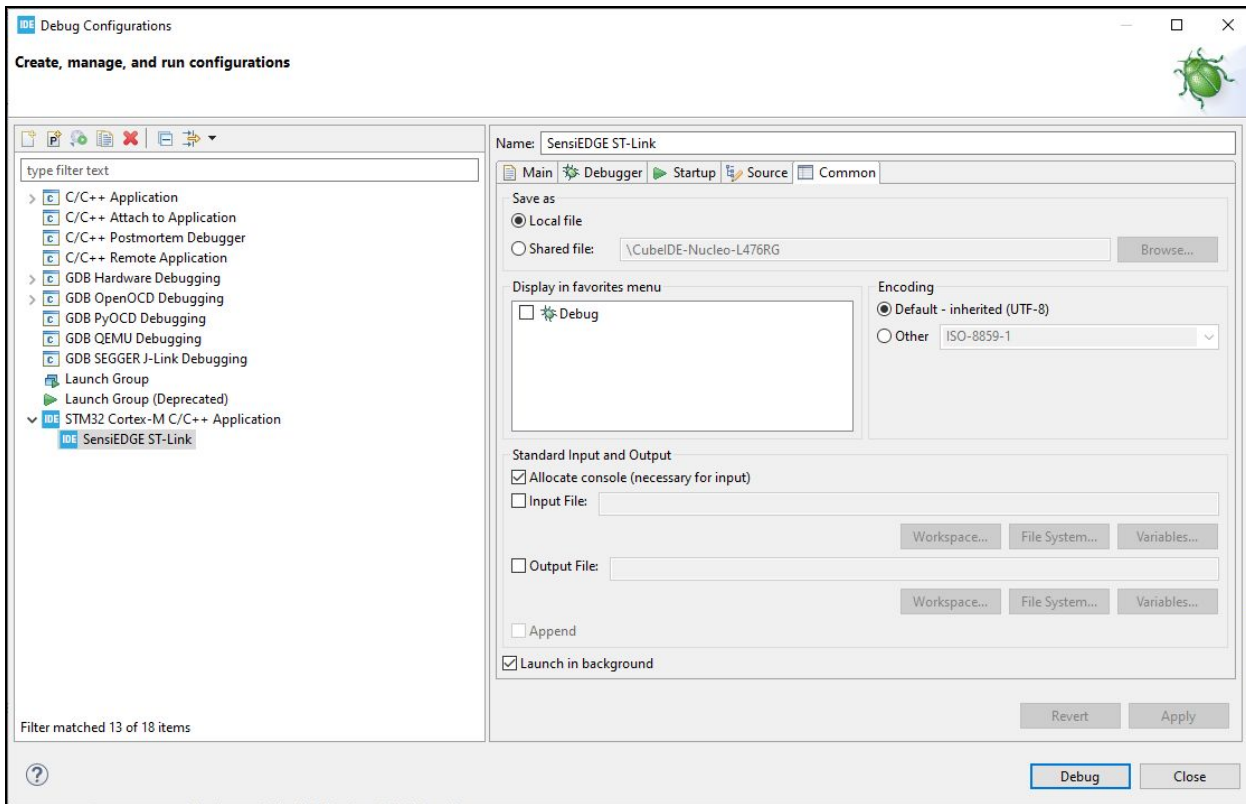
Revert

Apply

Debug

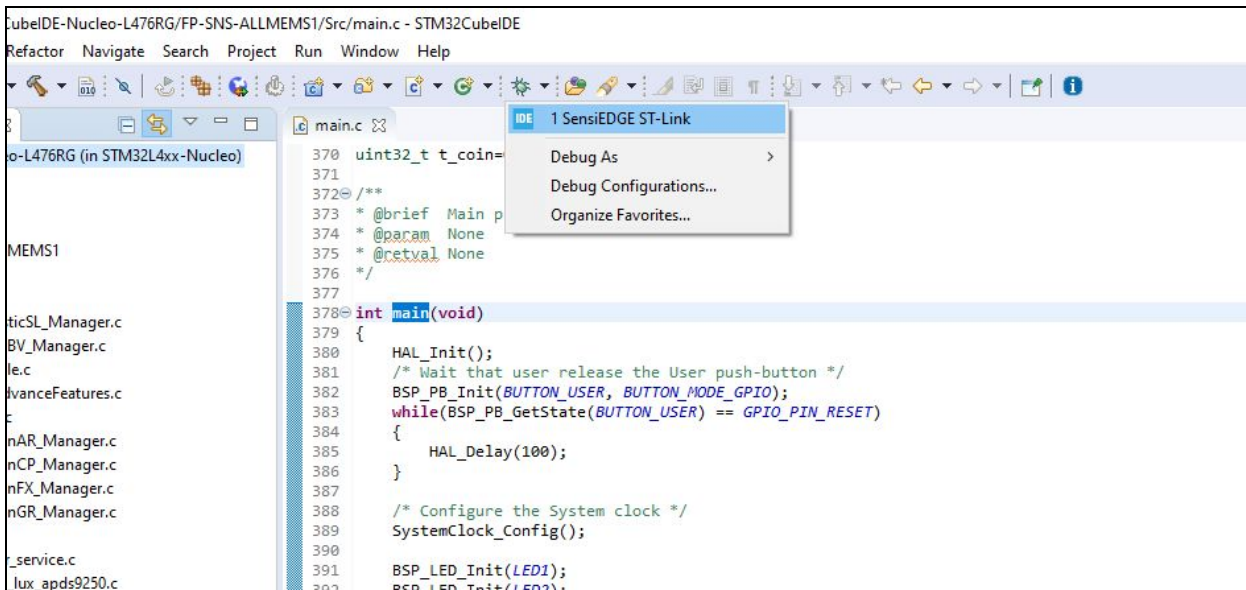
Close





Run debug

Press Debug button on Debug Configuration Window or select configuration from Debug button on toolbar



Successful debug start:

