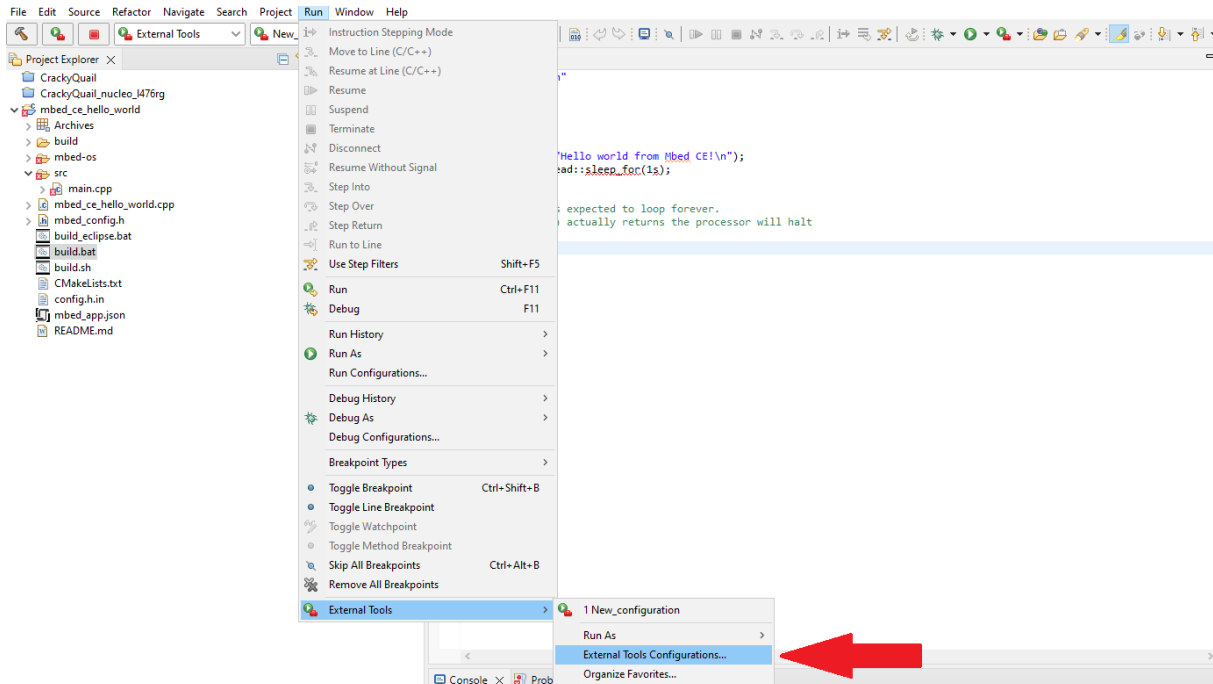
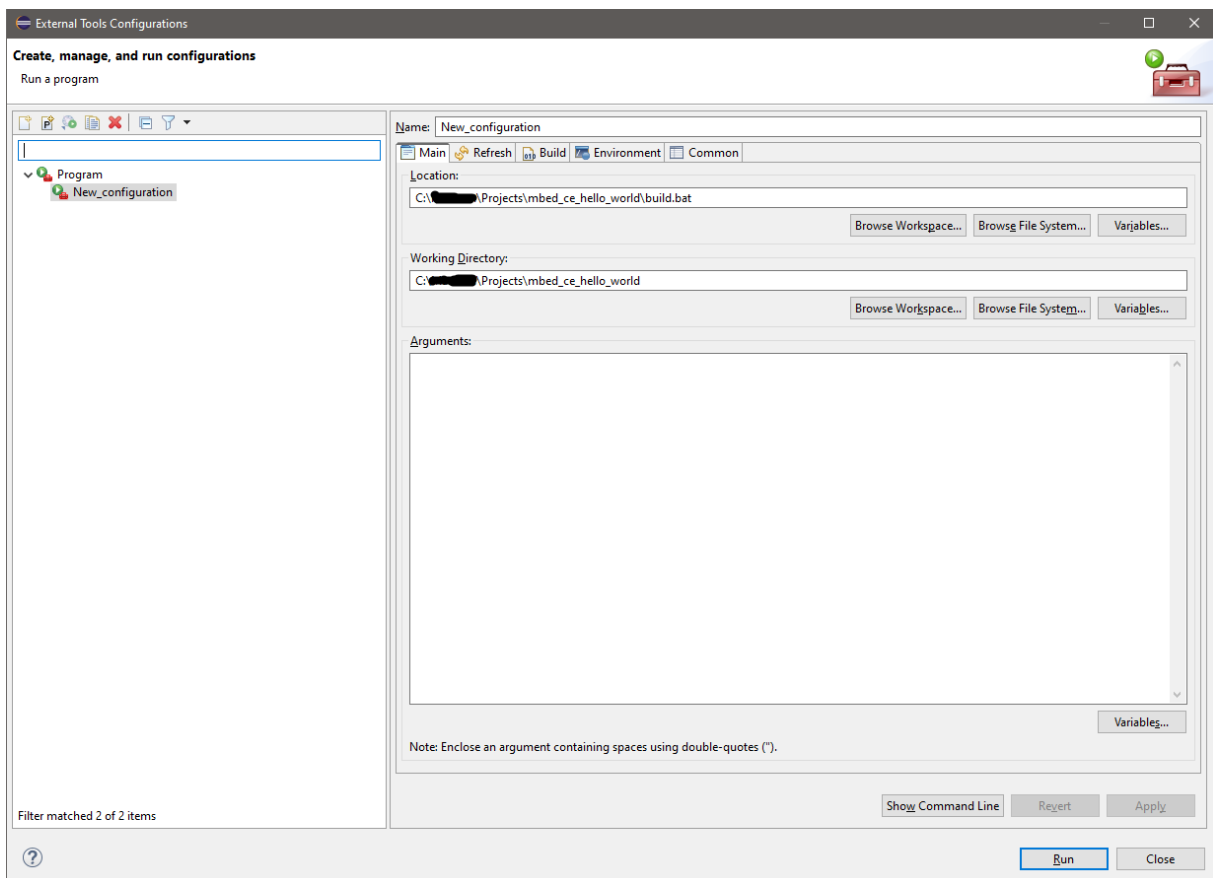


Configuration of the Build system:

1) Run -> External Tools -> External Tools Configurations.



2) Write down the bat file path and the project path as below



Configuration of the Debugging - Eclipse:

1) Main

Name: mbed_ce_hello_world Default

Main Debugger Startup Source Common SVD Path

Project:
mbed_ce_hello_world Browse..

C/C++ Application:
C:\[redacted]\Projects\mbed_ce_hello_world\build\MbedCEHelloWorld.elf Variables... Search Project... Browse..

Build (if required) before launching

[Build Configuration:](#) Use Active

☐ Enable auto build ☐ Disable auto build

☒ Use workspace settings [Configure Workspace Settings...](#)

2) Debugger

type filter text

- C/C++ Application
- C/C++ Attach to Application
- C/C++ Container Launcher
- C/C++ Postmortem Debugger
- C/C++ Remote Application
- C/C++ Unit
- GDB Hardware Debugging
- GDB OpenOCD Debugging
 - mbed_ce_hello_world Default
 - GDB PyOCD Debugging
 - GDB QEMU aarch64 Debugging
 - GDB QEMU arm Debugging
 - GDB QEMU gnuarmclipse Debugging (Deprecated)
 - GDB QEMU riscv32 Debugging
 - GDB QEMU riscv64 Debugging
 - GDB SEGGER J-Link Debugging
- Launch Group

Name: mbed_ce_hello_world Default

Main Debugger Startup Source Common SVD Path

OpenOCD Setup

☒ Start OpenOCD locally

Executable path: \${openocd_path}/\${openocd_executable} Browse... Variables...

Actual executable: C:\[redacted]\AppData\Roaming\XPack-dev-tools\openocd\0.11.0-1.1\content\bin\openocd.exe
(to change it use the [global](#) or [workspace](#) preferences pages or the [project](#) properties page)

GDB port: 3333

Telnet port: 4444

Tcl port: 6666

Config options:
-f interface/stlink-v2-1.cfg
-f C:\[redacted]\OpenOCD\openocd\scripts\board\st_nucleo_f2.cfg

☒ Allocate console for OpenOCD ☐ Allocate console for the telnet connection

GDB Client Setup

☒ Start GDB session

Executable name: \${cross_prefix}gdb\${cross_suffix} Browse... Variables...

Actual executable: arm-none-eabi-gdb

Other options:

Commands:
set mem inaccessible-by-default off

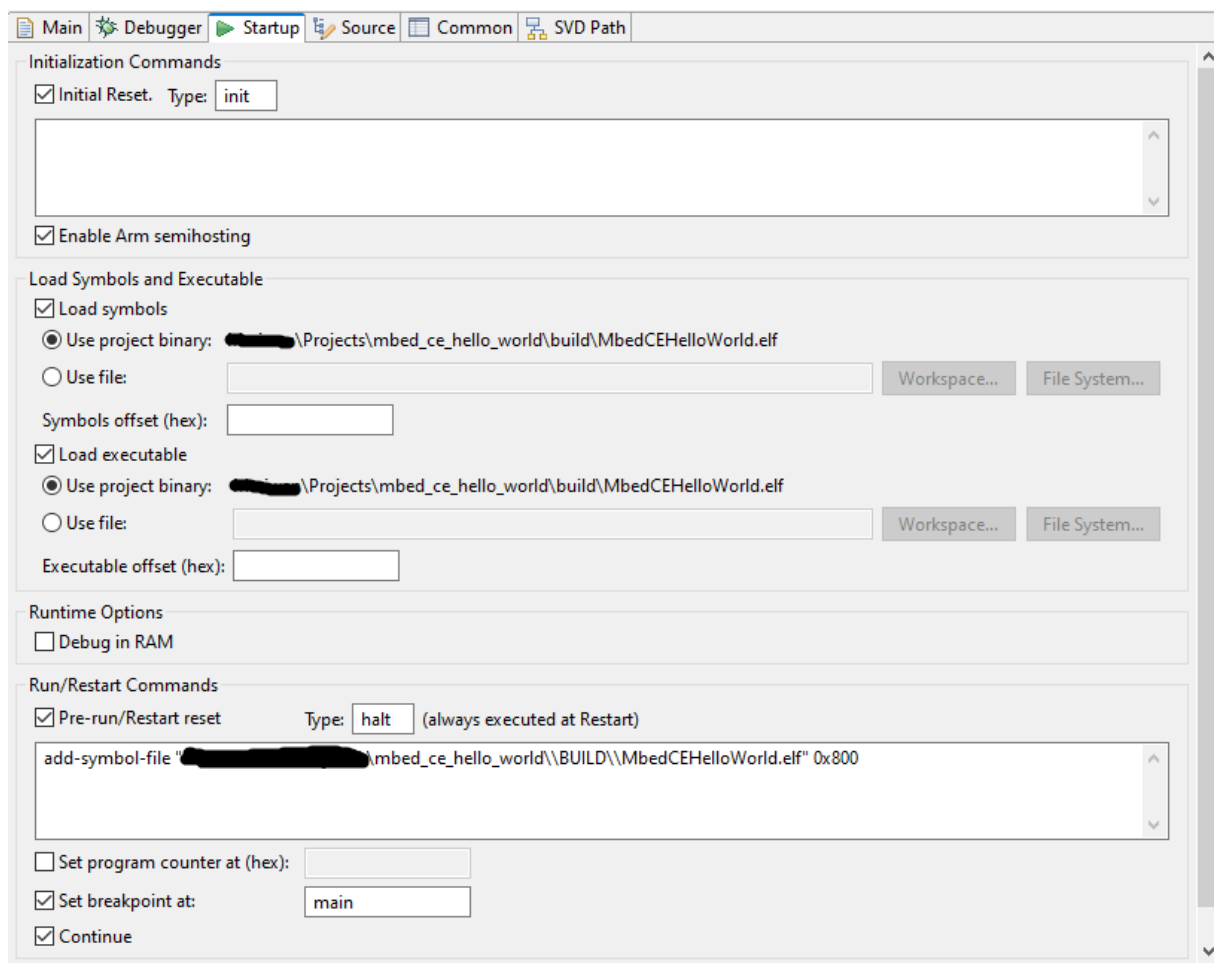
Remote Target

Host name or IP address: localhost

Port number: 3333

☐ Force thread list update on suspend [Restore defaults](#)

3- Startup



The image shows the 'Startup' tab of the Eclipse IDE's configuration window. It is divided into several sections: 'Initialization Commands', 'Load Symbols and Executable', 'Runtime Options', and 'Run/Restart Commands'. In 'Initialization Commands', 'Initial Reset' is checked with 'init' as the type, and 'Enable Arm semihosting' is also checked. The 'Load Symbols and Executable' section has 'Load symbols' and 'Load executable' both checked. For both, 'Use project binary' is selected, pointing to a file in the project's build directory. 'Runtime Options' shows 'Debug in RAM' is unchecked. 'Run/Restart Commands' has 'Pre-run/Restart reset' checked with 'halt' as the type. A text area contains the command 'add-symbol-file' followed by a path and '0x800'. 'Set breakpoint at:' is checked with 'main' as the value. 'Continue' is also checked.

Initialization Commands

☒ Initial Reset. Type:

☒ Enable Arm semihosting

Load Symbols and Executable

☒ Load symbols

☒ Use project binary:

☐ Use file:

Symbols offset (hex):

☒ Load executable

☒ Use project binary:

☐ Use file:

Executable offset (hex):

Runtime Options

☐ Debug in RAM

Run/Restart Commands

☒ Pre-run/Restart reset. Type: (always executed at Restart)

☐ Set program counter at (hex):

☒ Set breakpoint at:

☒ Continue

Project Tree inside Eclipse:

