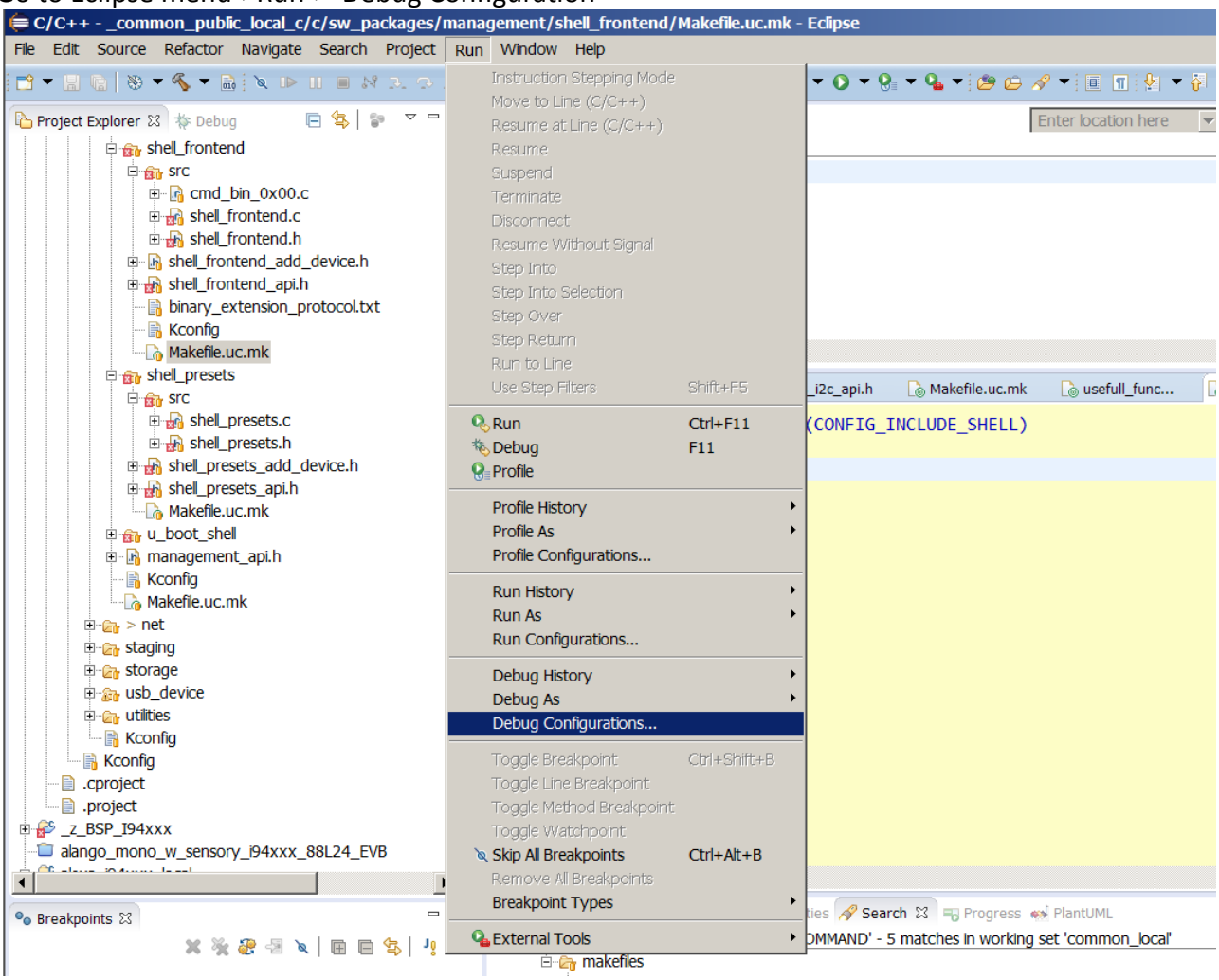
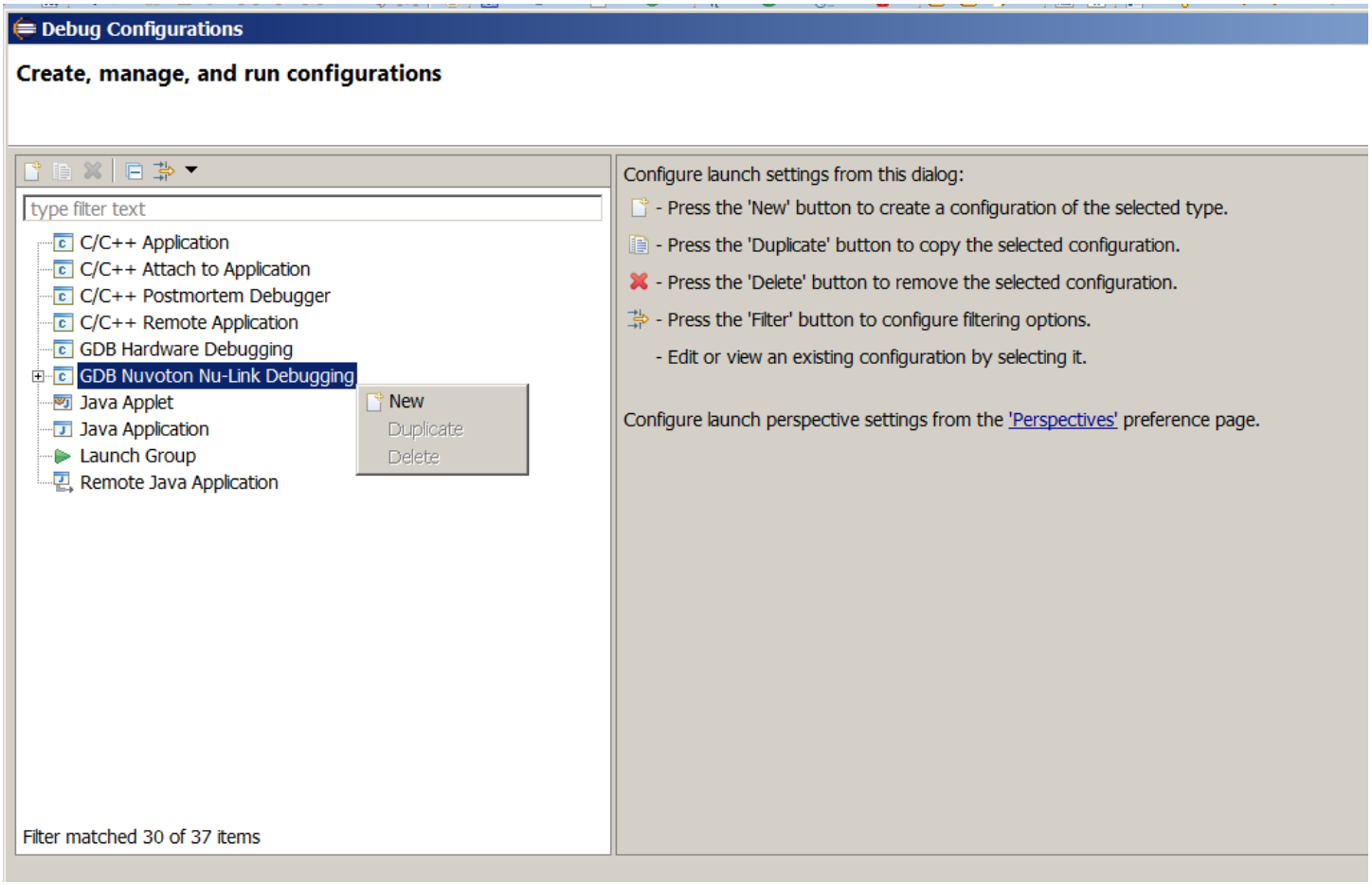
A. Creating debug configuration in NuEclipse.

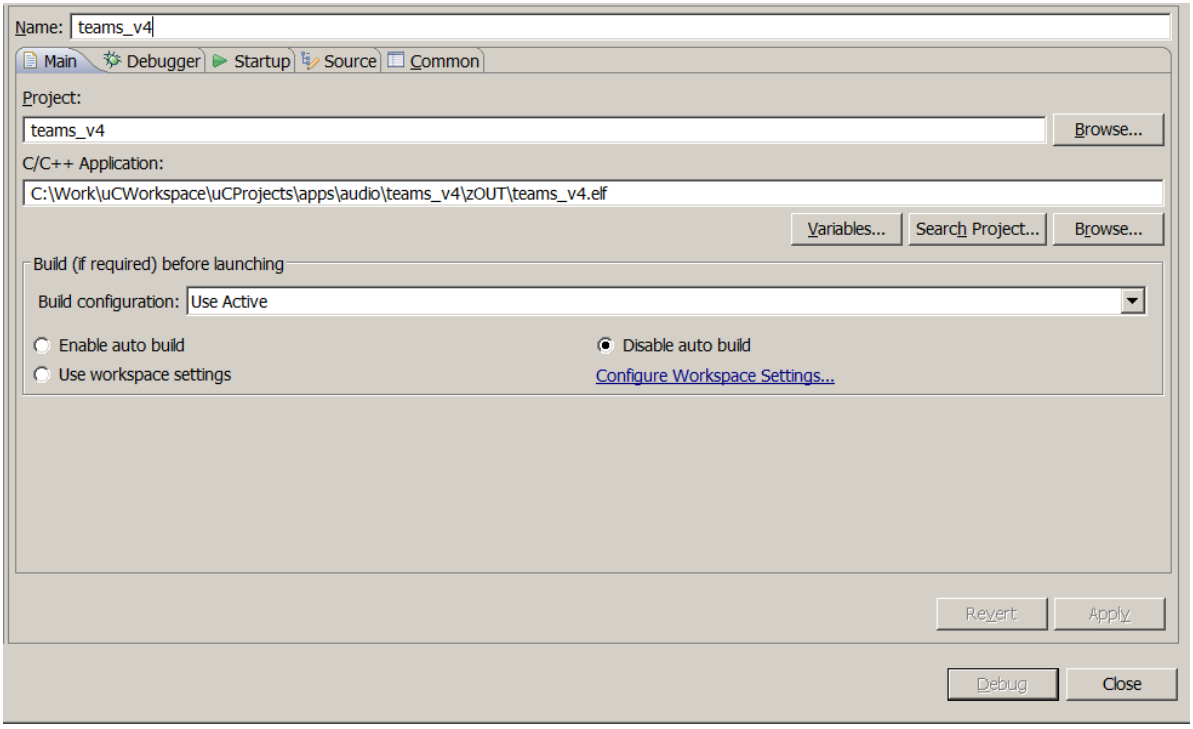
1. Go to Eclipse menu->Run->"Debug Configuration"



2. Right click on “GDB Nuvoton Nu-Link Debugging” and select ‘New’.

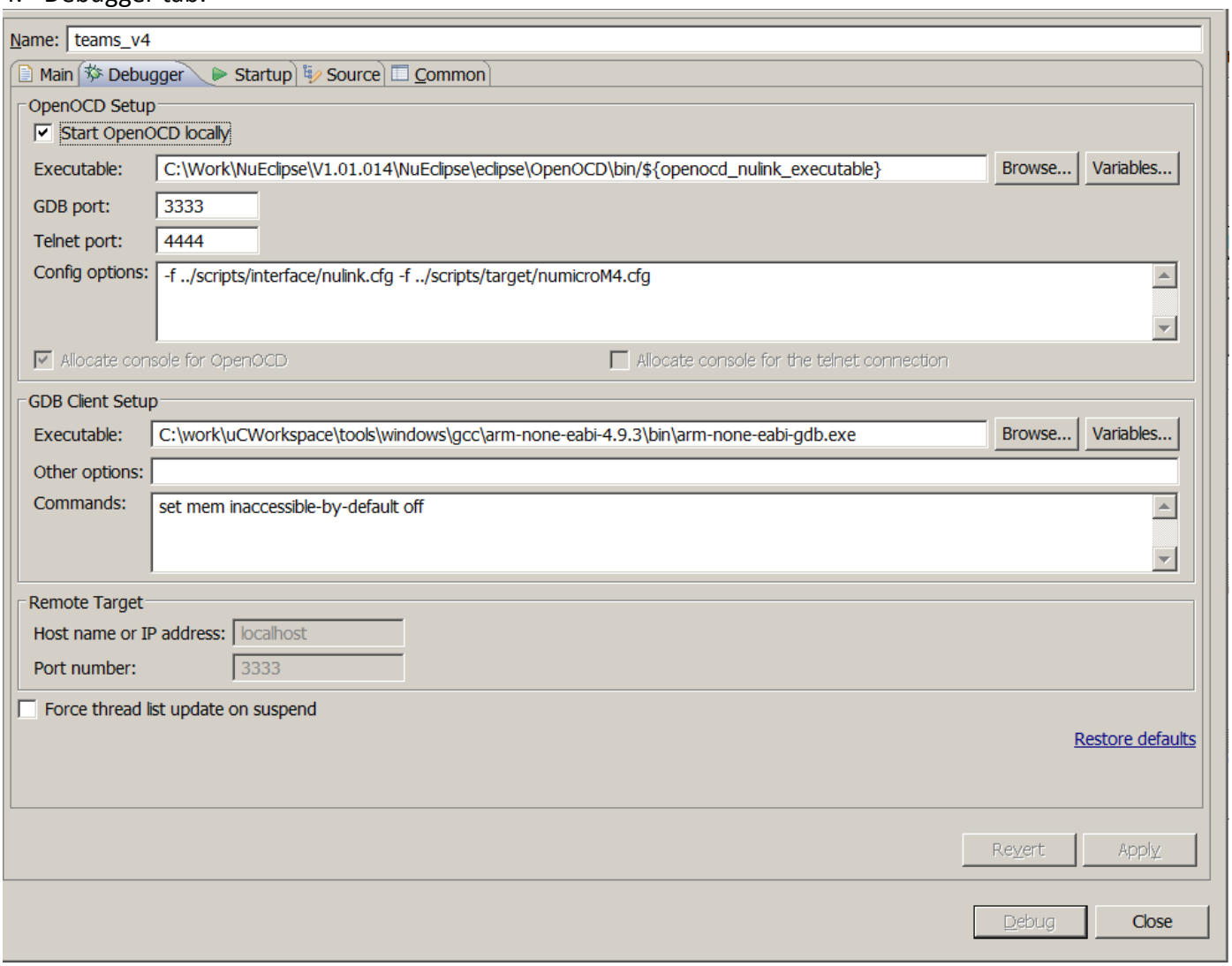


3. Main tab:



i. Select some name for configuration.
ii. In 'Project field press 'Browse...' and select the project you want to debug.
iii. In "C/C++ Application" put path to the output .elf file of you compilation. Usually the output located in $(YOUR_APP)/zOUT/ folder.

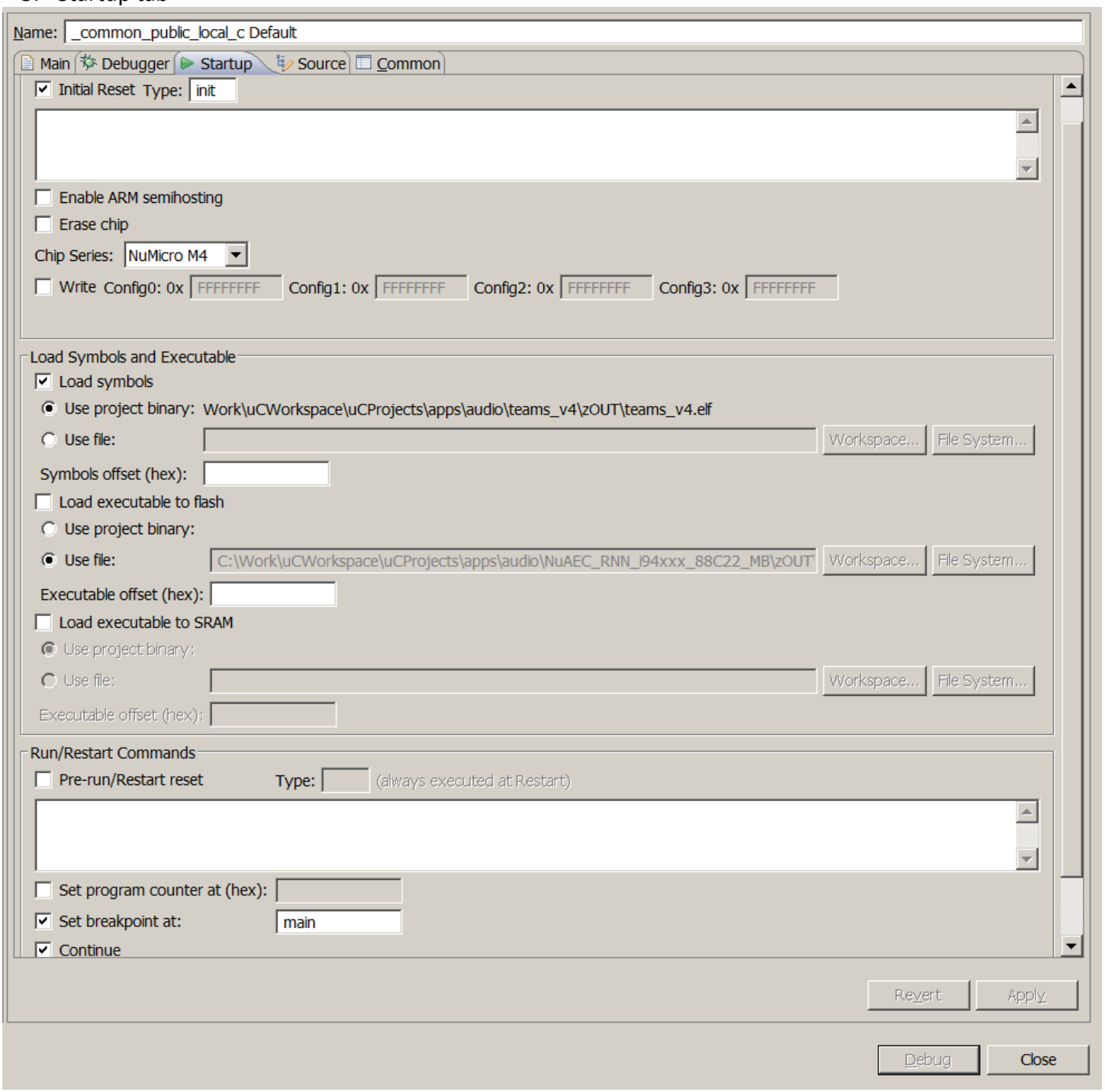
4. Debugger tab:



i. Select 'Start OpenOCD Localy'
ii. In OpenOCD 'Executable:' make sure that path points to openocd.exe executable.
Note: some time you want to use special version of openocd.exe, for example
if you want openocd for 1.8v with name openocd_1v8.exe then make sure to put this executable with its path into this field.
iii. GDB port : 3333
iv. Telent por: 4444
v. Config options:
select proper configuration based on your target SOC:
M4 : -f ../scripts/interface/nulink.cfg -f ../scripts/target/numicroM4.cfg
M0 : -f ../scripts/interface/nulink.cfg -f ../scripts/target/numicroM0.cfg

vi. In GDB Client Setup
a. Executable: **IMPORTANT!** You have to select gdb from compiler package that you used to compile the project.
b. Commands: set mem inaccessible-by-default off

5. Startup tab



i. in Chip series:
   For M4 – select NuMicro M4
   For M0 – select NuMicro M0
ii. Check ‘Load Symbols and Executable’ and select ‘Use project binary. ...’
iii. Un-check ‘Load executable to flash’
iv. Un-check ‘Load executable to SRAM’