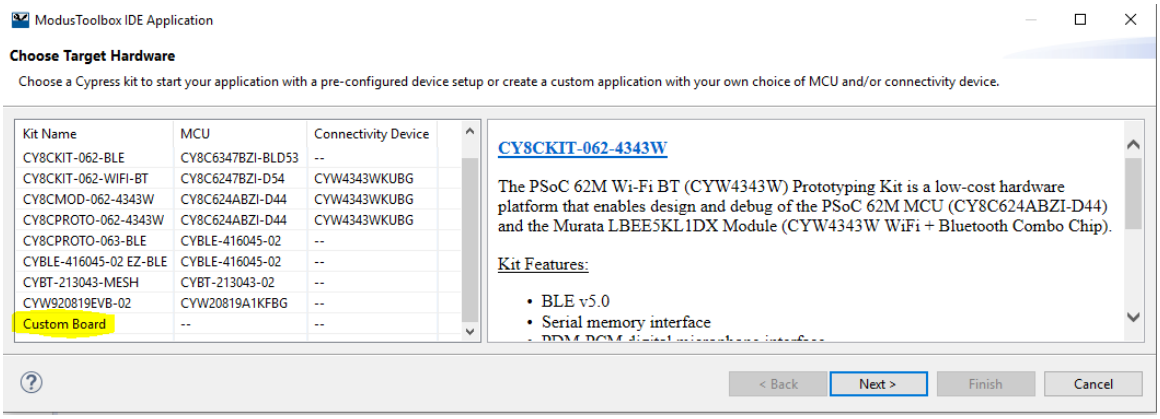
This document demonstrates how to convert your Modus Toolbox 1.0 application too a Modus Toolbox 1.1 application

By Jelle Huiberts.

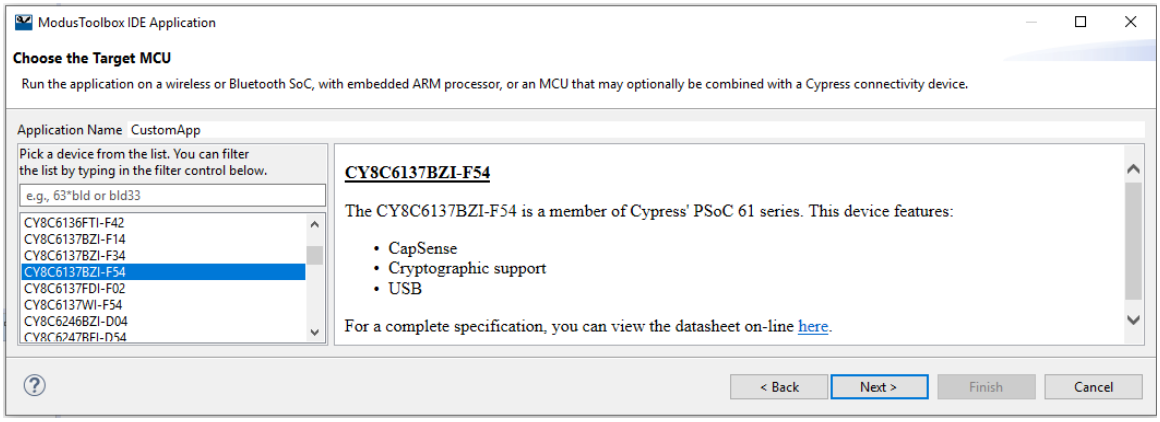
First of all create a new Modus Toolbox application

Select custom board

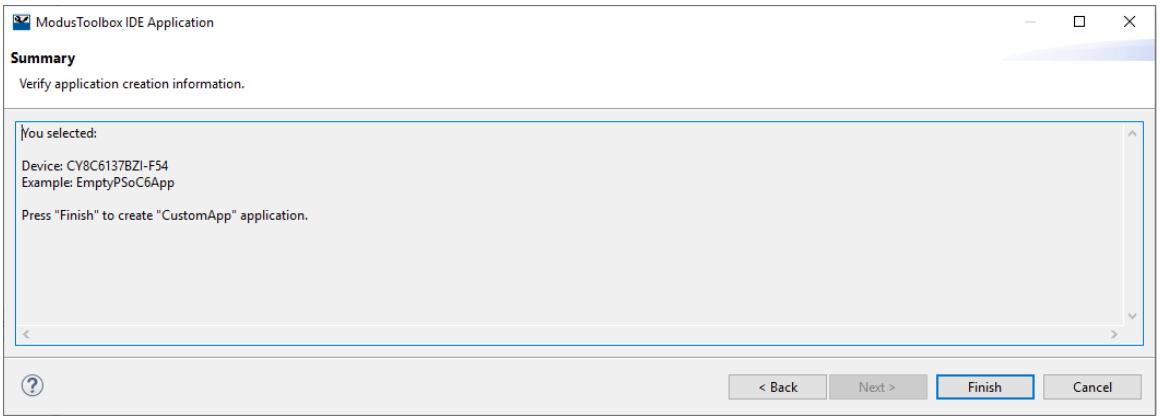


Click next

Select CY8C6137BZI-F54

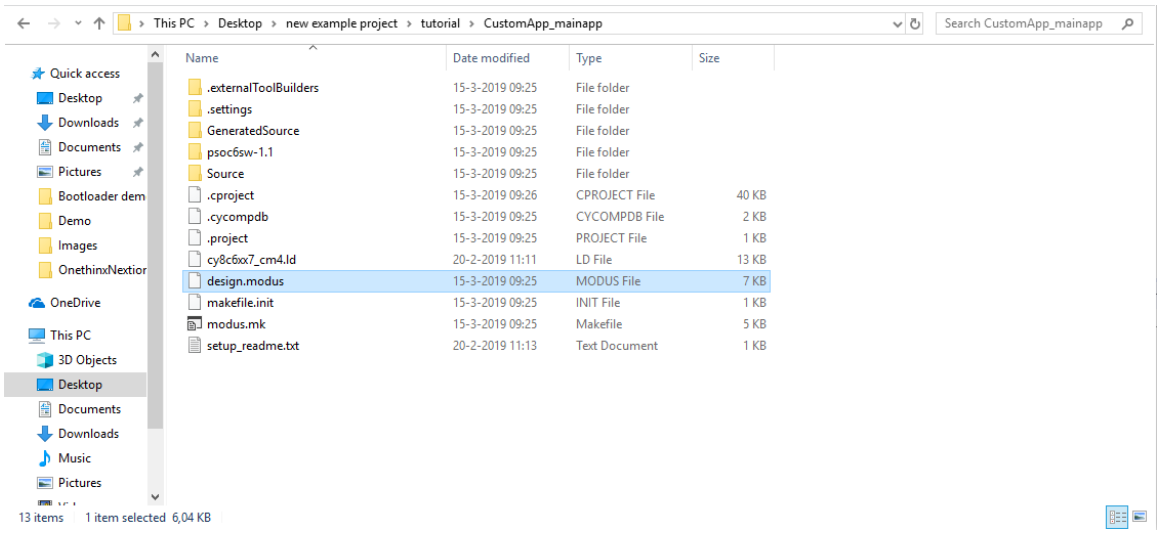


Click next

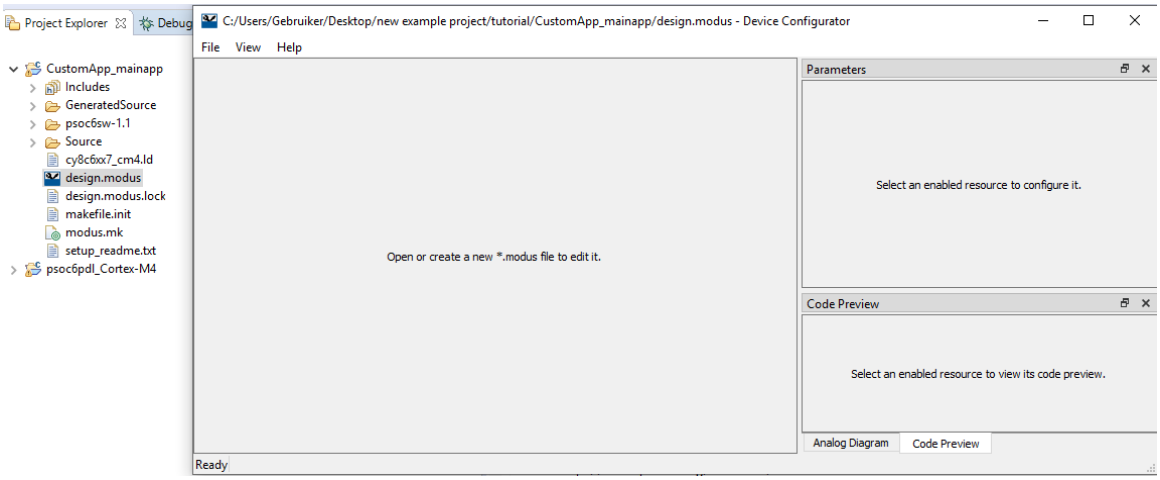


And finish

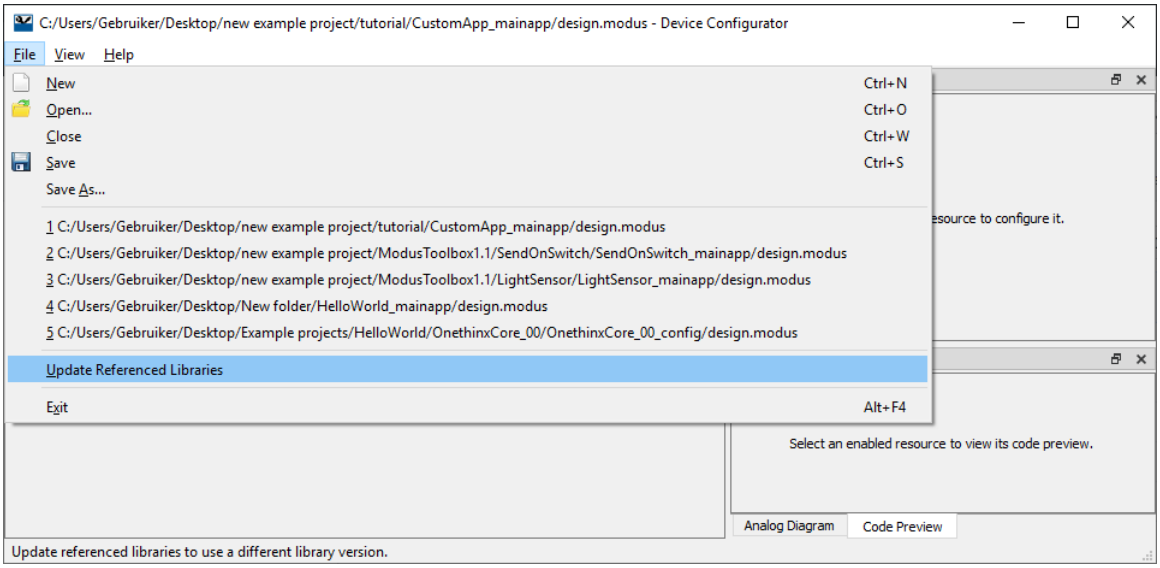
Replace the design.modus file in your _mainapp folder with the design.modus file from your Modus Toolbox 1.0 project



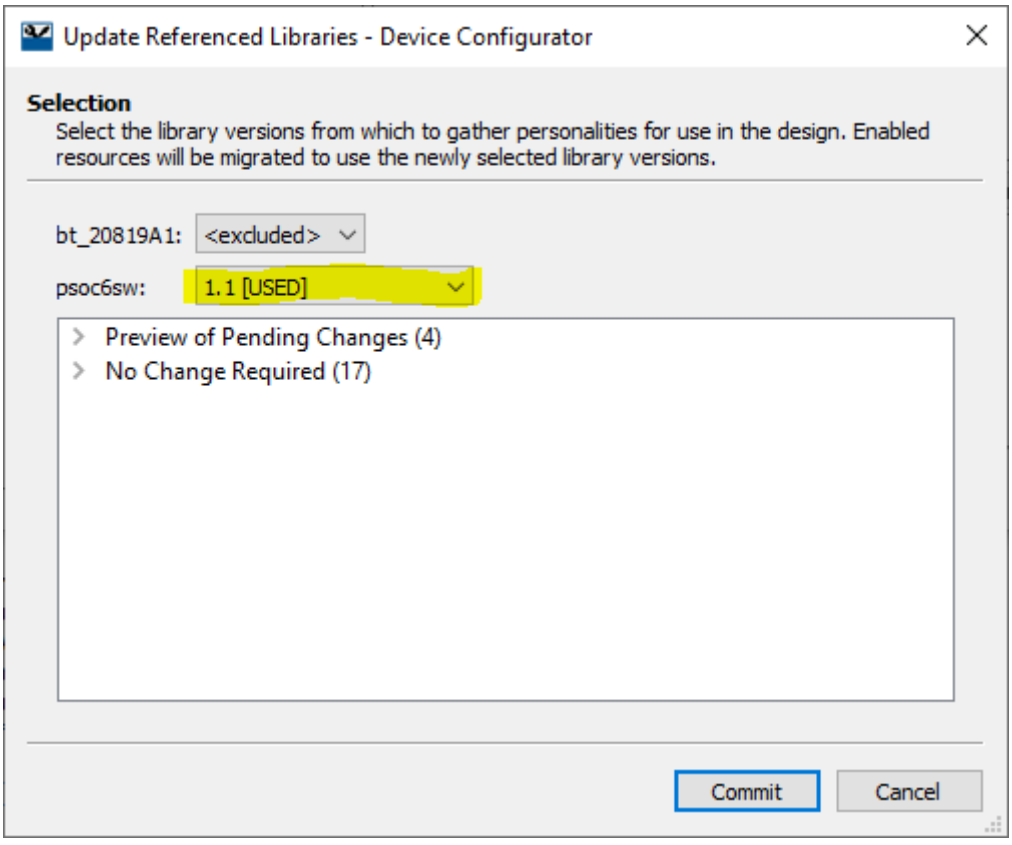
Open your design.modus file you should see the device configurator



Hover file and go too Update Referenced Libraries

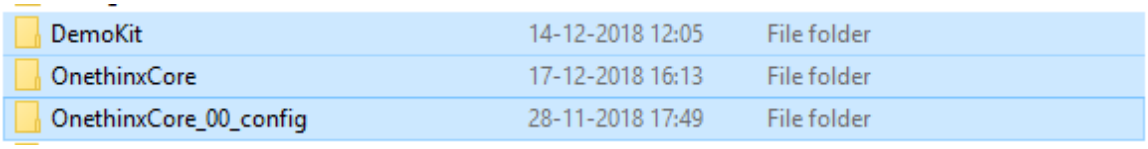


Change psoc6sw from 1.0 to 1.1

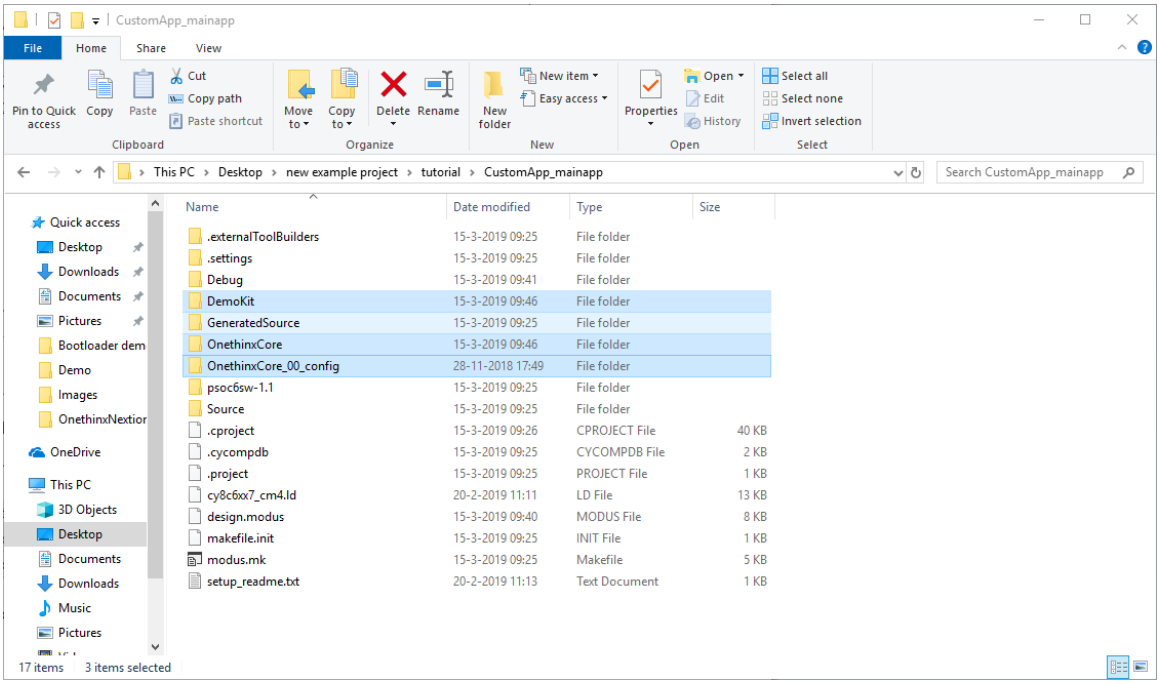


Commit and finish

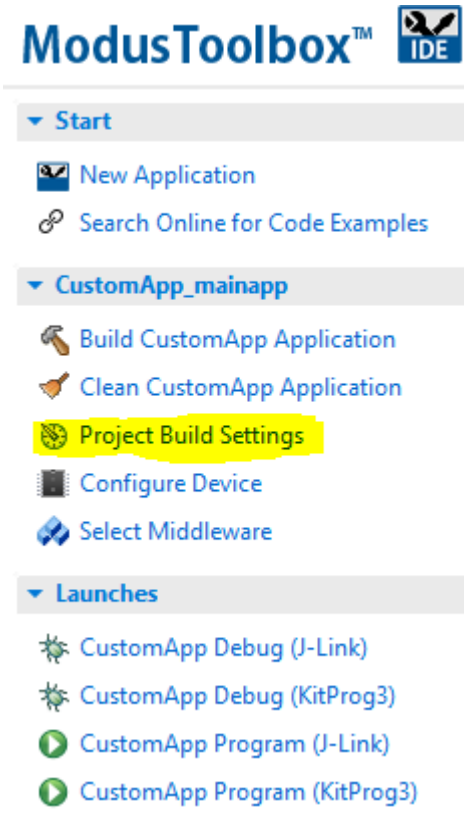
Next copy these folders:



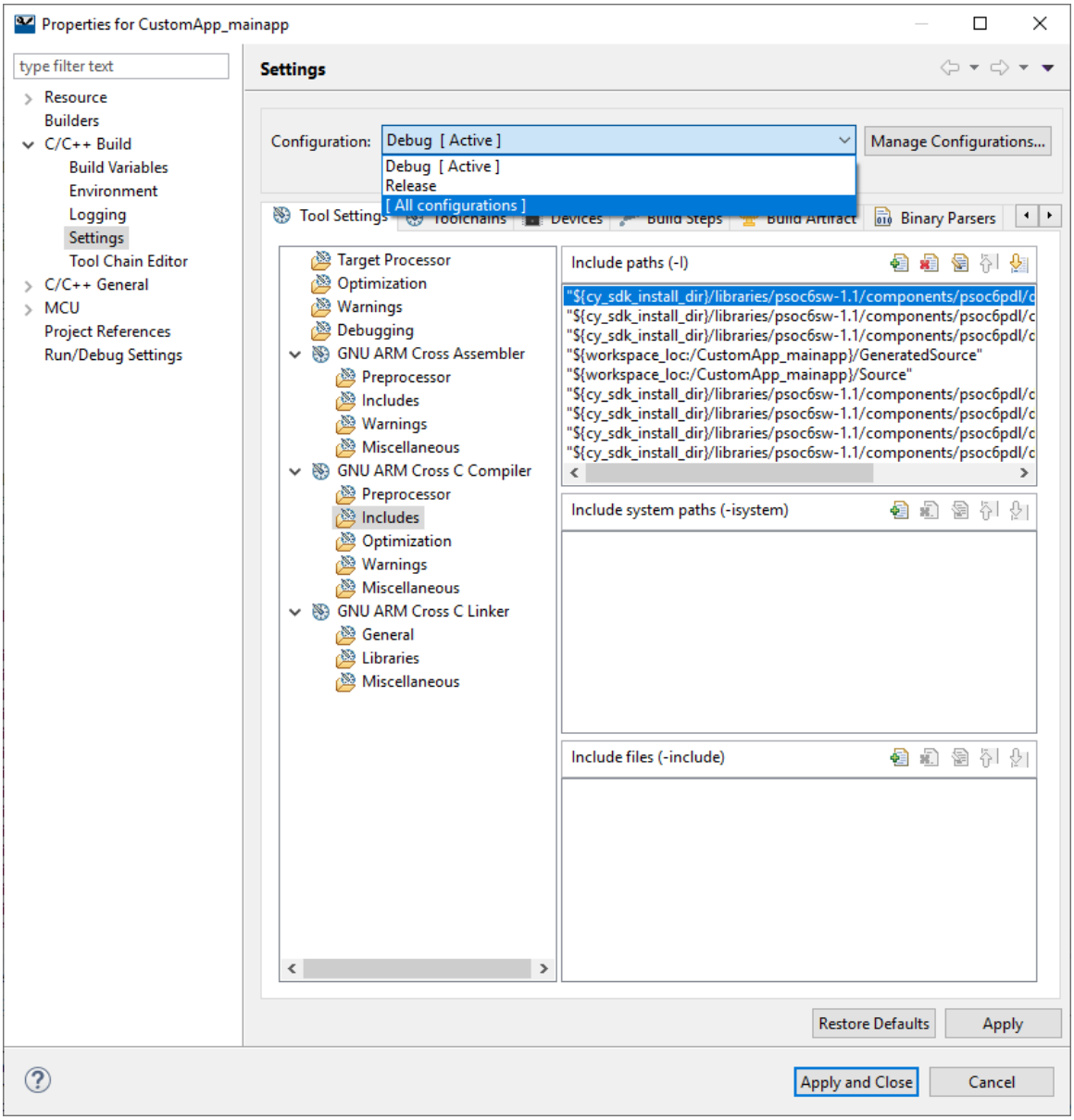
over from your Modus Toolbox 1.0 project too your new one.



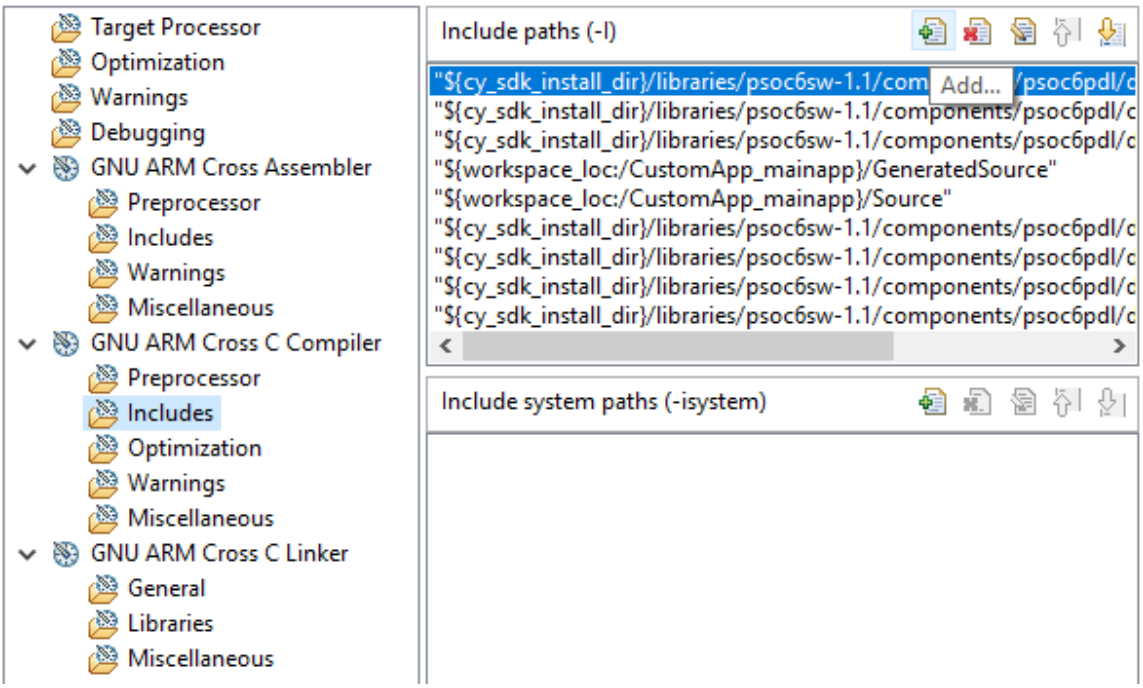
Next go too your projects build settings



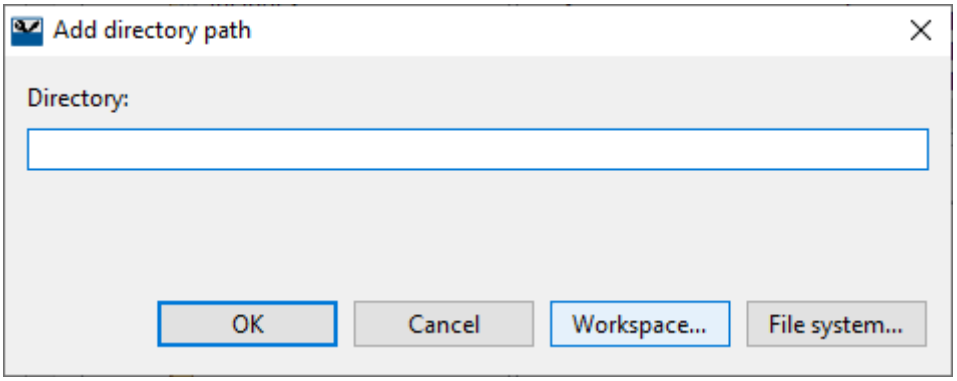
Select all configurations



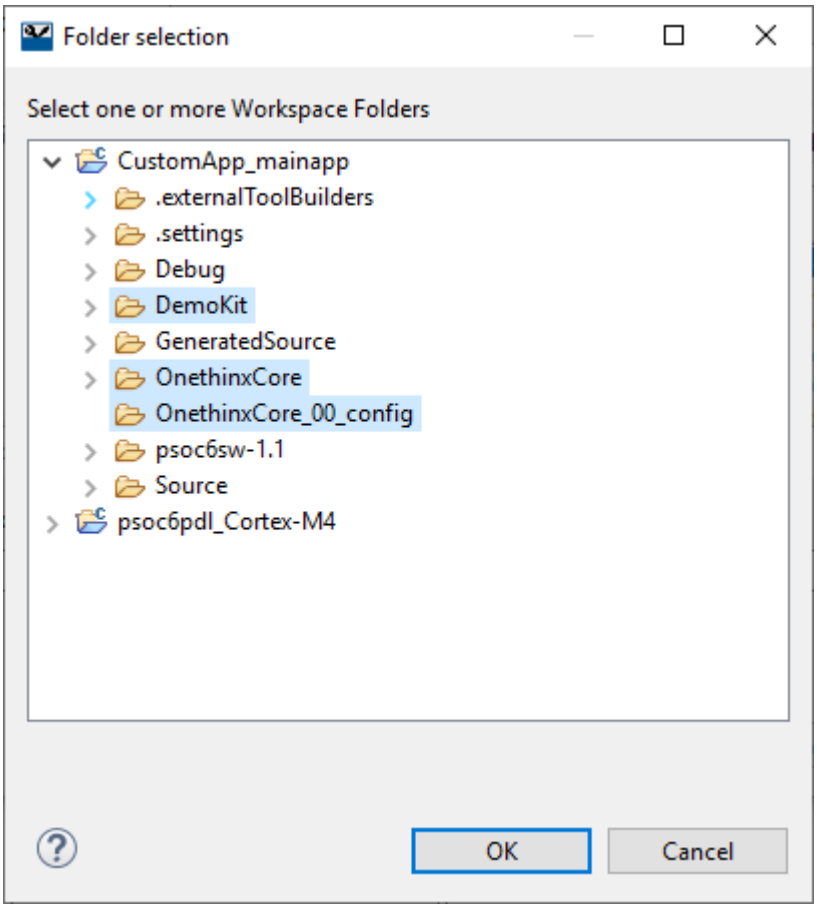
Click on add by GNU ARM Cross C Compiler > Includes



Go too workspace

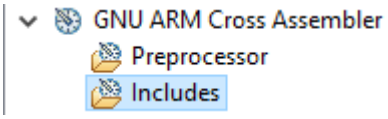


And select these folders

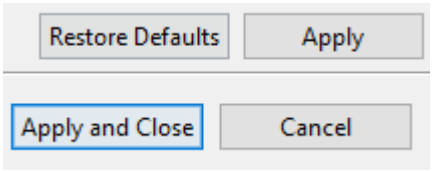


Click OK

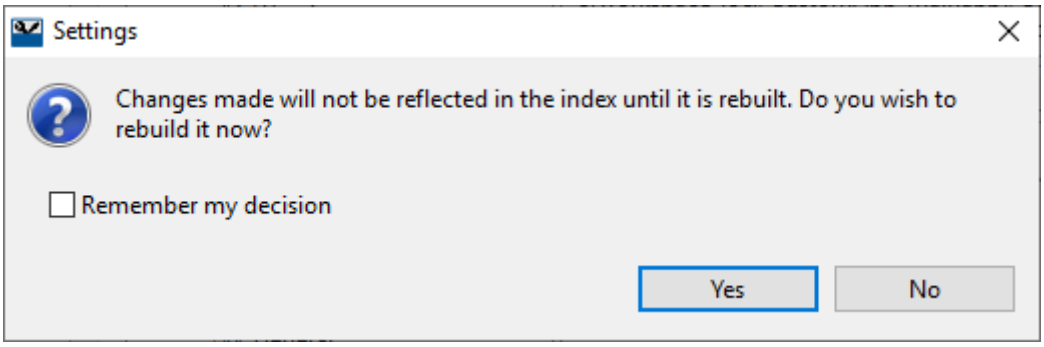
Do the same for the GNU ARM Cross Assembler > Includes



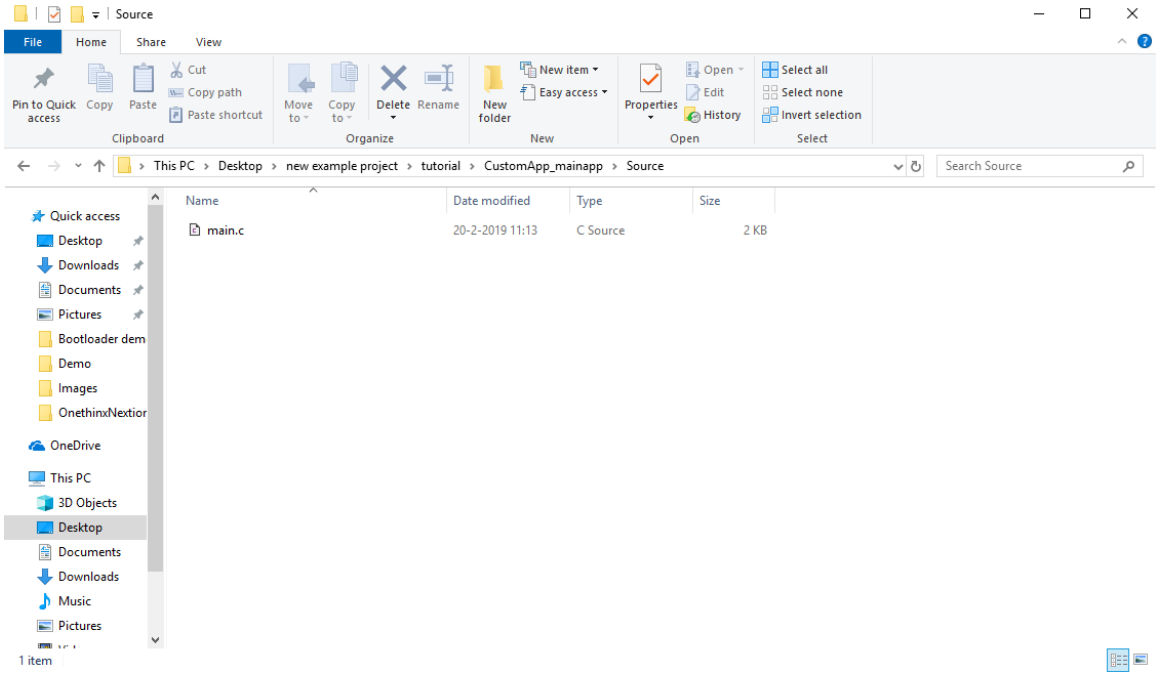
Apply and Close



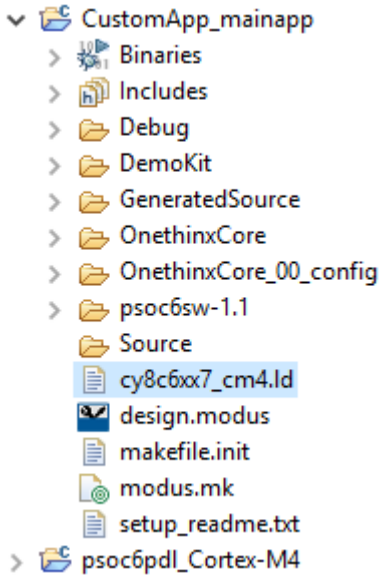
Click Yes



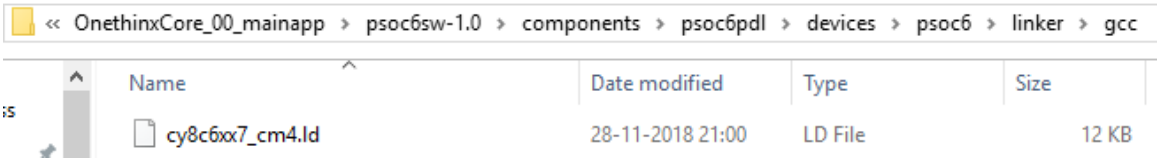
Next replace the main.c file in your source folder with the one from your Modus Toolbox 1.0 application



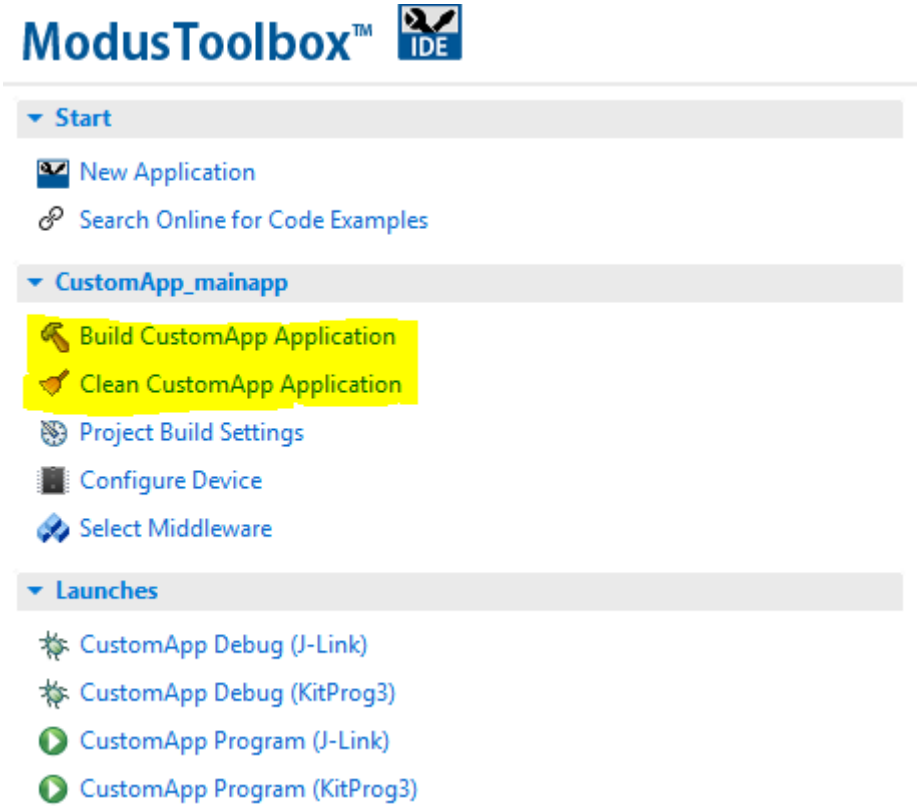
Next replace cy8c6xx7_cm4.ld with the one from your Modus Toolbox 1.0 application



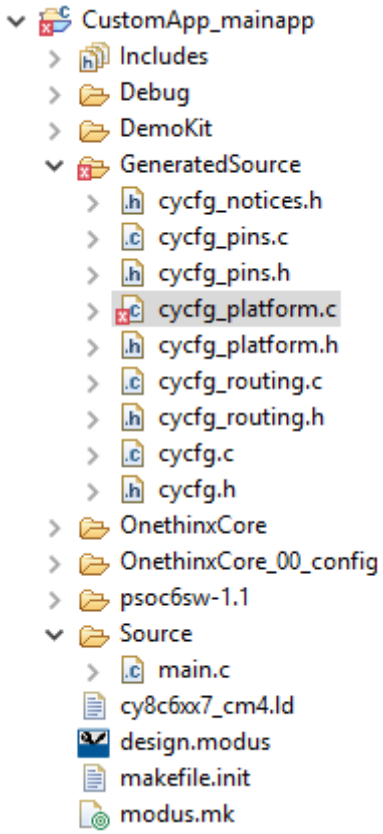
You can find it here: \psoc6sw-1.0\components\psoc6pdl\devices\psoc6\linker\gcc



First clean then build your application



You should get an error in cycfg_platform.c



This is not intented (we are working on a fix!) for now here is a hotfix!

Comment these lines out

```
__STATIC_INLINE void Cy_SysClk_AltHfInit()
{
//    cy_en_ble_eco_status_t status = Cy_BLE_EcoConfigure(CY_BLE_BLESS_ECO_FREQ_32MHZ, CY_BLE_SYS_ECO_CLK_DIV_4, 22U, 25U, CY_BLE_ECO_VOLTAGE_REG_AUTO);
//    if ((CY_BLE_ECO_SUCCESS != status) && (CY_BLE_ECO_ALREADY_STARTED !=status))
//    {
//        cycfg_ClockStartupError(CY_CFG_SYSCLK_ALTHF_ERROR);
//    }
}
```

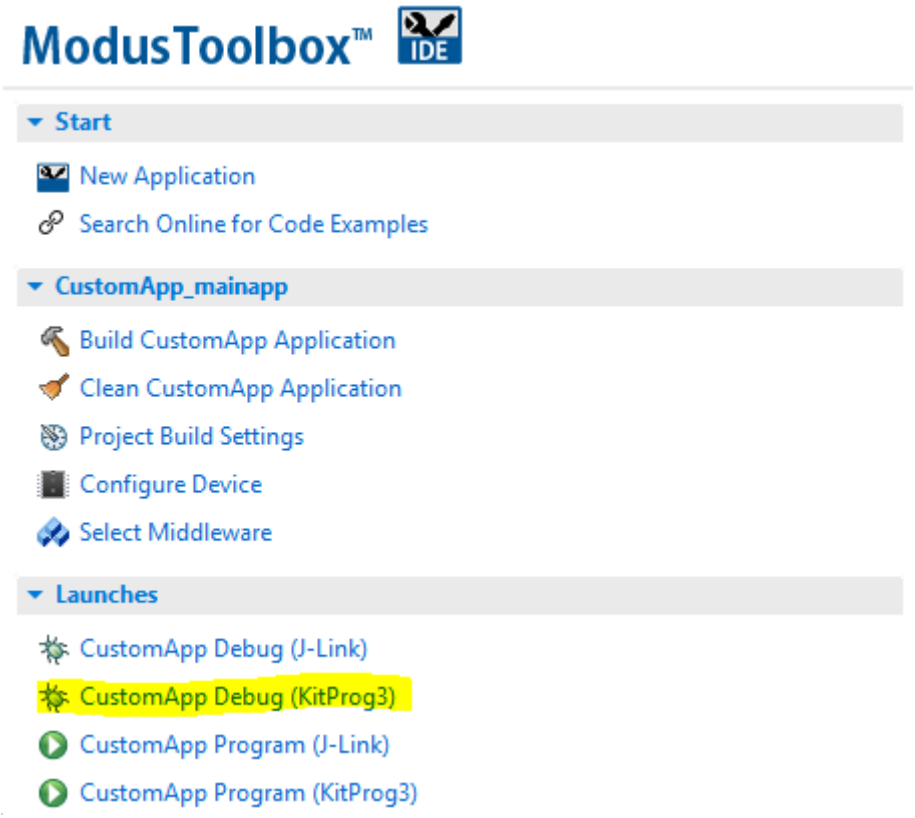
And change this function

```
void init_cycfg_platform(void)
{
    /* Set worst case memory wait states (! ultra low power, 150 MHz), will update at the end */
    Cy_SysLib_SetWaitStates(false, 150UL);
    #if (CY_CFG_PWR_VBAC_SUPPLY == CY_CFG_PWR_VBAC_SUPPLY_VDD)
    if (0u == Cy_SysLib_GetResetReason() /* POR, XRES, or BOD */)
    {
        Cy_SysLib_ResetBackupDomain();
        Cy_SysClk_IloDisable();
        Cy_SysClk_IloInit();
```

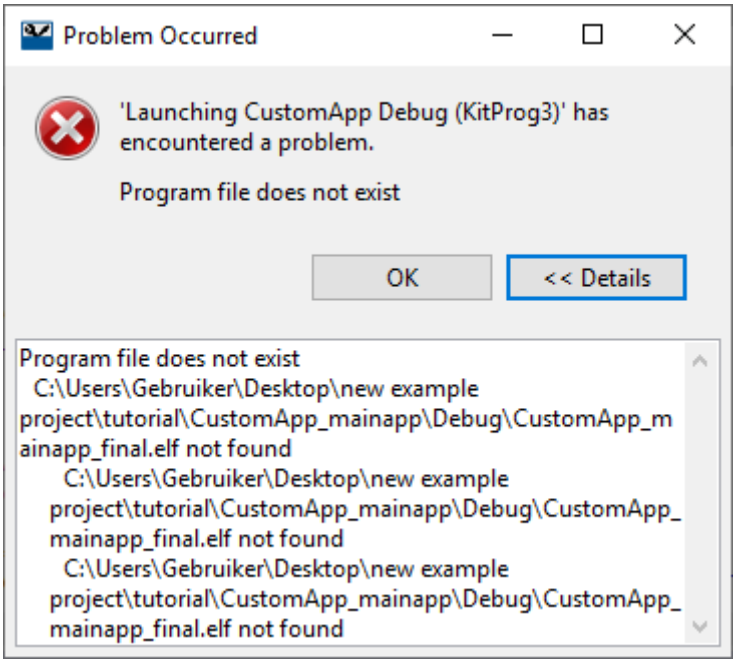
too CySysClk_WcoInit();

```
void init_cycfg_platform(void)
{
    /* Set worst case memory wait states (! ultra low power, 150 MHz), will update at the end */
    Cy_SysLib_SetWaitStates(false, 150UL);
    #if (CY_CFG_PWR_VBAC_SUPPLY == CY_CFG_PWR_VBAC_SUPPLY_VDD)
    if (0u == Cy_SysLib_GetResetReason() /* POR, XRES, or BOD */)
    {
        Cy_SysLib_ResetBackupDomain();
        Cy_SysClk_IloDisable();
        Cy_SysClk_WcoInit();
```

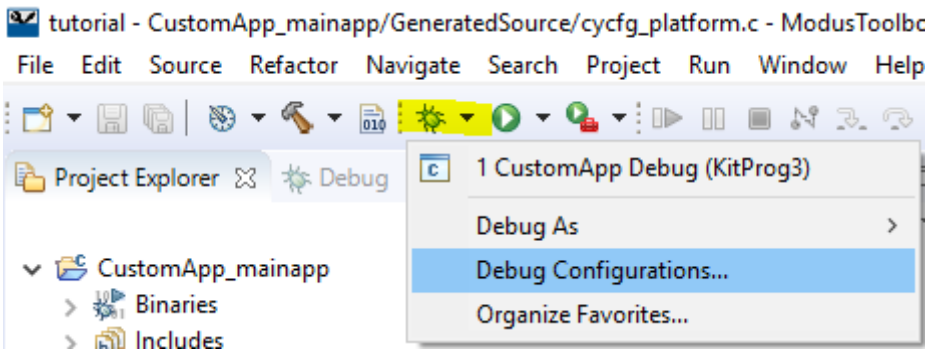
Click Debug (KitProg3)



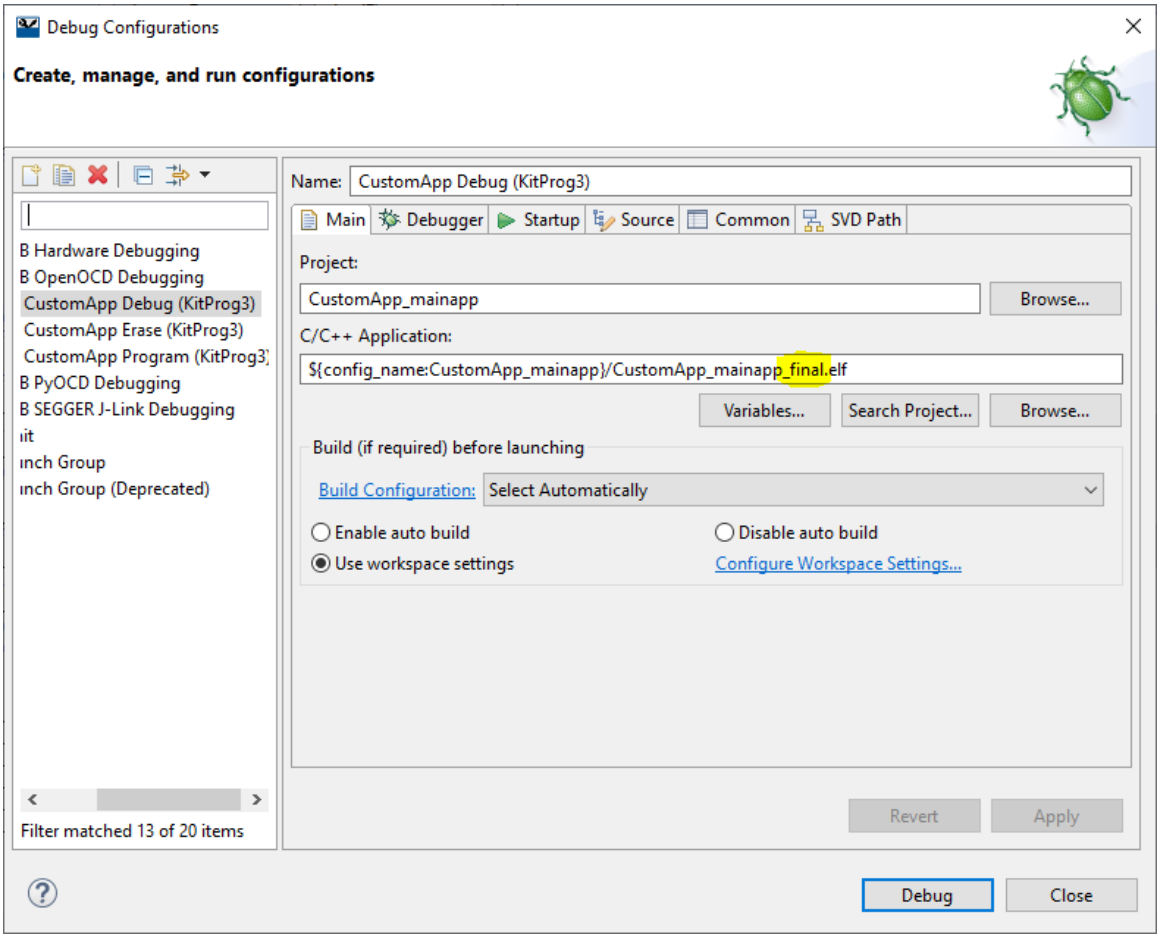
You should see this error



go too Debug configurations

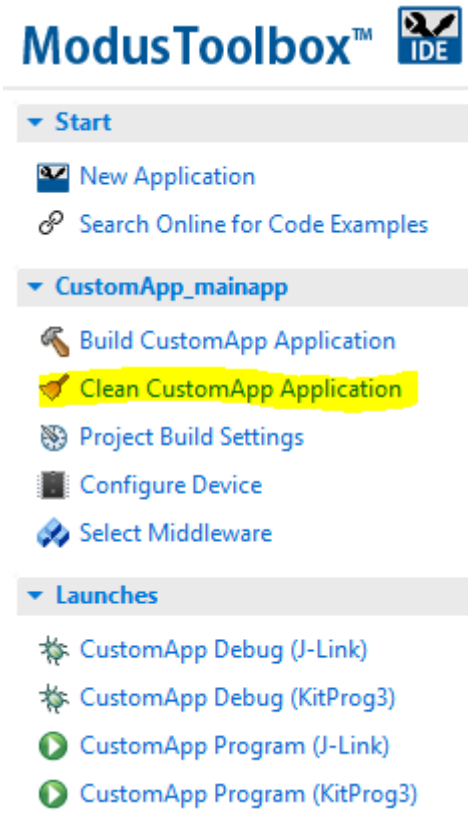


Remove _final from C/C++ Application:



Apply

Clean your application and debug



Your application should work!