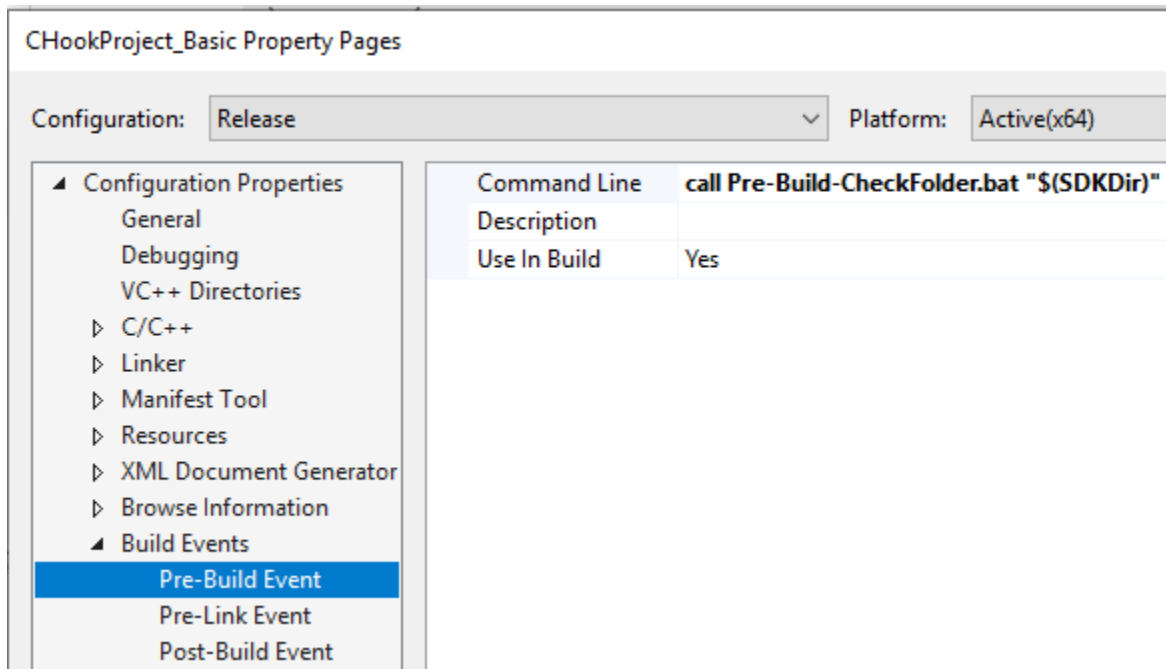# Mastercam®
C-Hook Add-In Development

Pre-Build Event

This event checks that the path to the SDK defined via the $(SDKDir) user macro is valid.

If any check fails, the build will fail, and the user will be notified ->

1> That the folder path specified in the $(SDKDir) macro exists.

```
1>------ Rebuild All started: Project: CHookProject_Basic, Configuration: Release x64 ------
1>
1>Pre-Build-CheckFolder
1>Checking folder-> C:\Program Files (x86)\Mastercam 2021\Mastercam\sdk2021
1>=====================================================
1>*ERROR* - SDK folder does not exist! ->
1>"C:\Program Files (x86)\Mastercam 2021\Mastercam\sdk2021"
1>Check the 'SDKDir' path in MastercamSDK.props
1>=====================================================
```

2> That the folder path specified in the $(SDKDir) macro ends with a backslash ('\').
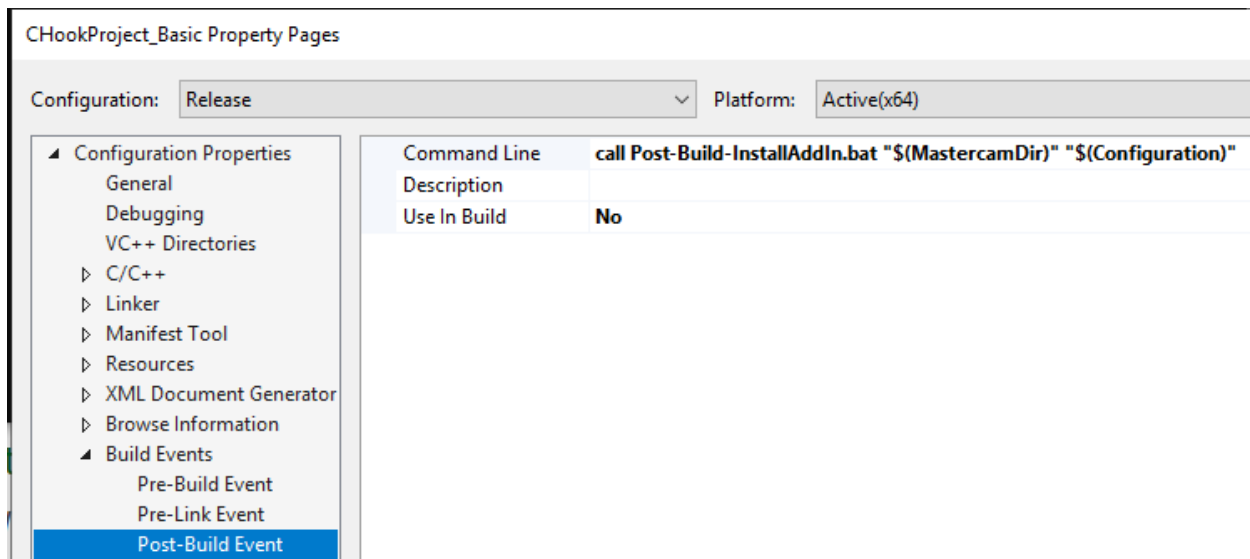
```
1>------ Rebuild All started: Project: CHookProject_Basic, Configuration: Release x64 ------
1>
1>Pre-Build-CheckFolder
1>Checking folder-> C:\Program Files (x86)\Mastercam 2021\Mastercam\sdk
1>=====================================================
1>*ERROR* - SDK folder path does not end with a '\'
1>"C:\Program Files (x86)\Mastercam 2021\Mastercam\sdk"
1>Check the 'SDKDir' path in MastercamSDK.props
1>=====================================================
```

3> That the folder path specified in the $(SDKDir) macro appears to contain the SDK.

```
1>------ Rebuild All started: Project: CHookProject_Basic, Configuration: Release x64 ------
1>
1>Pre-Build-CheckFolder
1>Checking folder-> C:\Program Files (x86)\Mastercam 2021\Mastercam\sdk\
1>=========================================================
1>*ERROR* - SDK folder path does not contain 'm_mastercam.h'
1>"C:\Program Files (x86)\Mastercam 2021\Mastercam\sdk\"
1>Check the 'SDKDir' path in MastercamSDK.props points to a valid SDK.
1>=========================================================
```

Post-Build Event

This event is *not* enabled by default in the projects created by the Wizard.

To do so, just toggle the "Use in Build" option to "Yes".

This event will copy the resulting DLL and FT files from the build into Mastercam's \chooks folder.

```
1>Finished generating code
1>CHookProject_Basic.vcxproj ->
C:\Users\me\source\repos\WizardCreated\CHookProject_Basic\x64\Release\CHookProject_Basic.dll
1>
1>Post-Build: Installing Add-In files...
1>To folder-> "C:\Program Files\Mastercam 2021\Mastercam\chooks\"
1>        1 file(s) copied.
1>        1 file(s) copied.
========== Rebuild All: 1 succeeded, 0 failed, 0 skipped ==========
```