

参考如下

https://blog.csdn.net/qq_35905572/article/details/95797171

1.安装Visual Studio 2022

2.下载安装qt

<https://download.qt.io/archive/qt/5.12/5.12.0/>

 qt-opensource-windows-x86-5.12.0.exe	05-Dec-2018 09:51	2.8G	Details
--	-------------------	------	-------------------------

Details

Found 13 mirrors in other parts of the world

- <https://qtproject.mirror.liquidtelecom.com/archive/qt/5.12/5.12.0/qt-opensource-windows-x86-5.12.0.exe> (ke, prio 100)
- <https://www.nic.funet.fi/pub/mirrors/download.qt-project.org/archive/qt/5.12/5.12.0/qt-opensource-windows-x86-5.12.0.exe> (fi, prio 100)
- <https://master.qt.io/archive/qt/5.12/5.12.0/qt-opensource-windows-x86-5.12.0.exe> (fi, prio 100)
- <https://ftp.acc.umu.se/mirror/qt.io/qtproject/archive/qt/5.12/5.12.0/qt-opensource-windows-x86-5.12.0.exe> (se, prio 100)
- <https://mirrors.dotsrc.org/qtproject/archive/qt/5.12/5.12.0/qt-opensource-windows-x86-5.12.0.exe> (dk, prio 100)
- <https://ftp.fau.de/qtproject/archive/qt/5.12/5.12.0/qt-opensource-windows-x86-5.12.0.exe> (de, prio 100)
- <https://qt-mirror.dannhauer.de/archive/qt/5.12/5.12.0/qt-opensource-windows-x86-5.12.0.exe> (de, prio 100)
- <https://mirror.netcologne.de/qtproject/archive/qt/5.12/5.12.0/qt-opensource-windows-x86-5.12.0.exe> (de, prio 100)
- <https://ftp1.nluug.nl/languages/qt/archive/qt/5.12/5.12.0/qt-opensource-windows-x86-5.12.0.exe> (nl, prio 100)
- <https://ftp2.nluug.nl/languages/qt/archive/qt/5.12/5.12.0/qt-opensource-windows-x86-5.12.0.exe> (nl, prio 100)
- <https://mirrors.ukfast.co.uk/sites/qt.io/archive/qt/5.12/5.12.0/qt-opensource-windows-x86-5.12.0.exe> (gb, prio 100)
- <https://qt.mirror.constant.com/archive/qt/5.12/5.12.0/qt-opensource-windows-x86-5.12.0.exe> (us, prio 100)
- <https://mirrors.ocf.berkeley.edu/qt/archive/qt/5.12/5.12.0/qt-opensource-windows-x86-5.12.0.exe> (us, prio 100)

我用的最后一个下载

<https://mirrors.ocf.berkeley.edu/qt/archive/qt/5.12/5.12.0/qt-opensource-windows-x86-5.12.0.exe>

断网跳过账号验证，重新安装

3.安装vs对应插件

qt-vsaddin-msvc2022-2.8.1-rev.06.vsix

https://blog.csdn.net/zaozao_/article/details/122685557

4.vs搭建环境

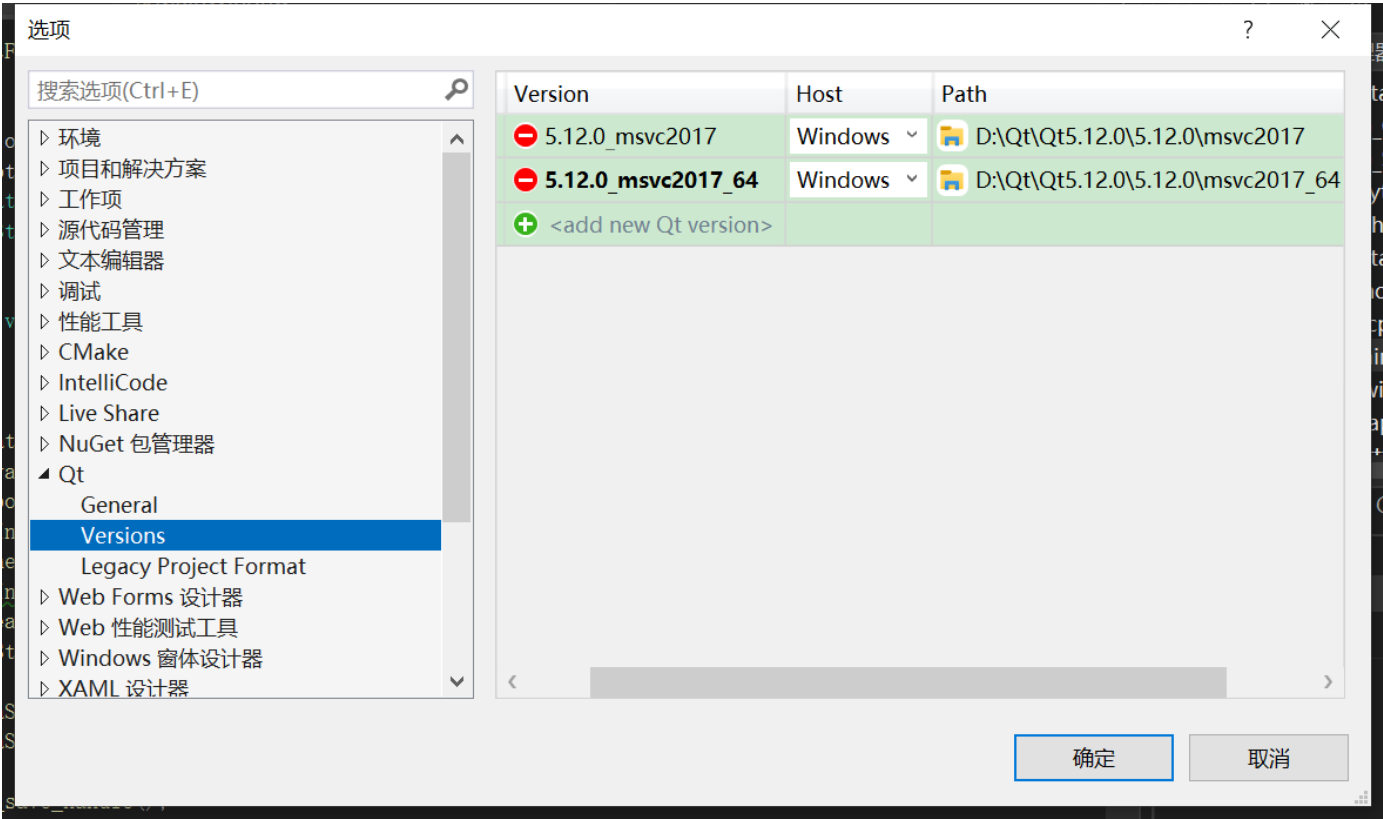
C:) > 用户 > Cui > Desktop > app > GB_CproSingle1 > GB_CproSingle

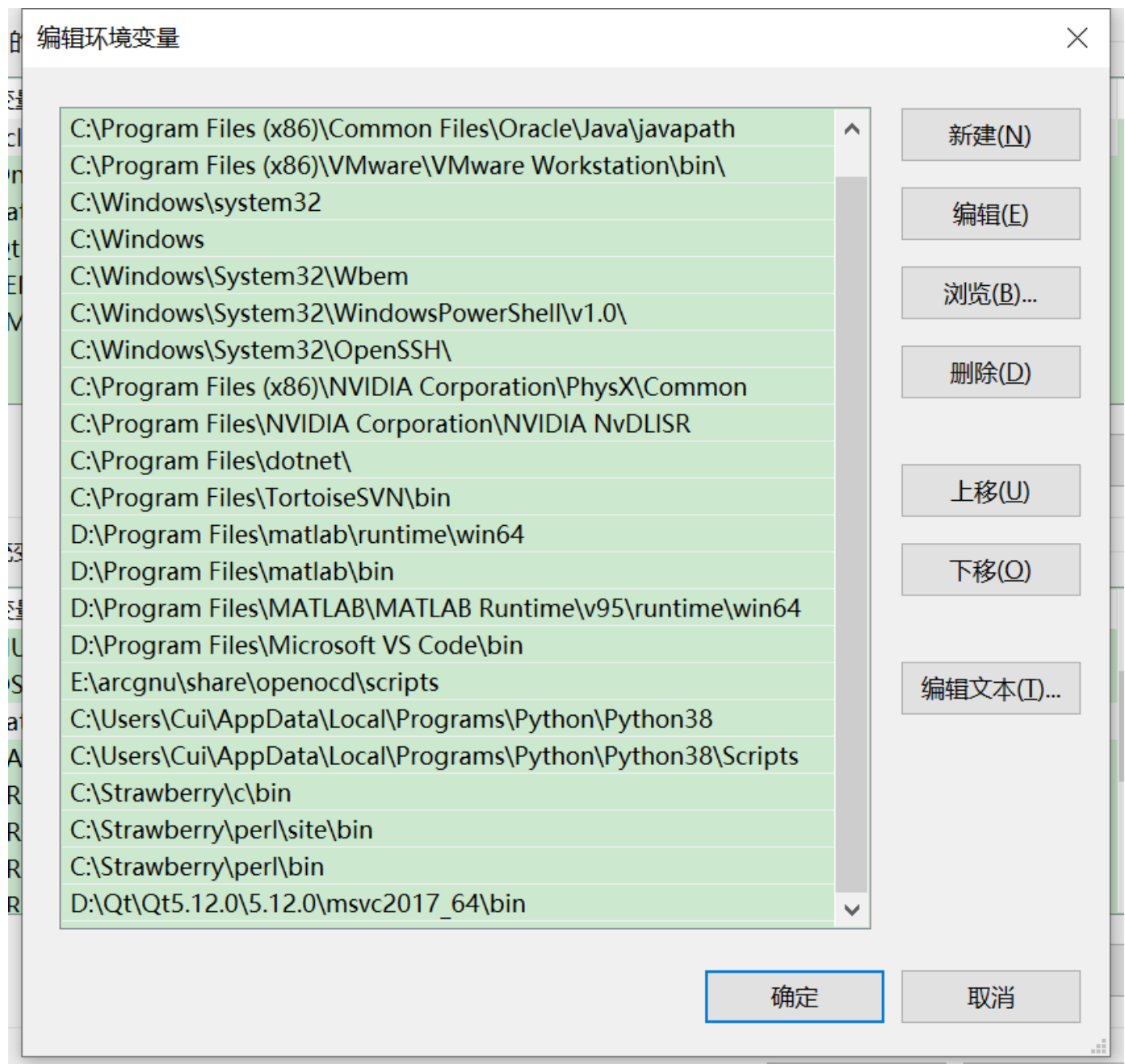
在 GB_CproSingle 中...

名称	修改日期	类型	大小
.vs	2022/9/20 11:30	文件夹	
bin	2022/10/13 16:56	文件夹	
shared	2022/8/31 14:53	文件夹	
src	2022/10/11 20:03	文件夹	
clean.bat	2022/2/24 13:20	Windows 批处理文件	1 KB
GB_CproSignal.7z	2022/9/20 11:42	7Z 文件	24,610 KB
GB_CproSingle.sln	2022/9/20 11:28	Visual Studio Soluti...	2 KB
GF_B代码说明.docx	2022/8/2 18:11	DOCX 文档	14 KB

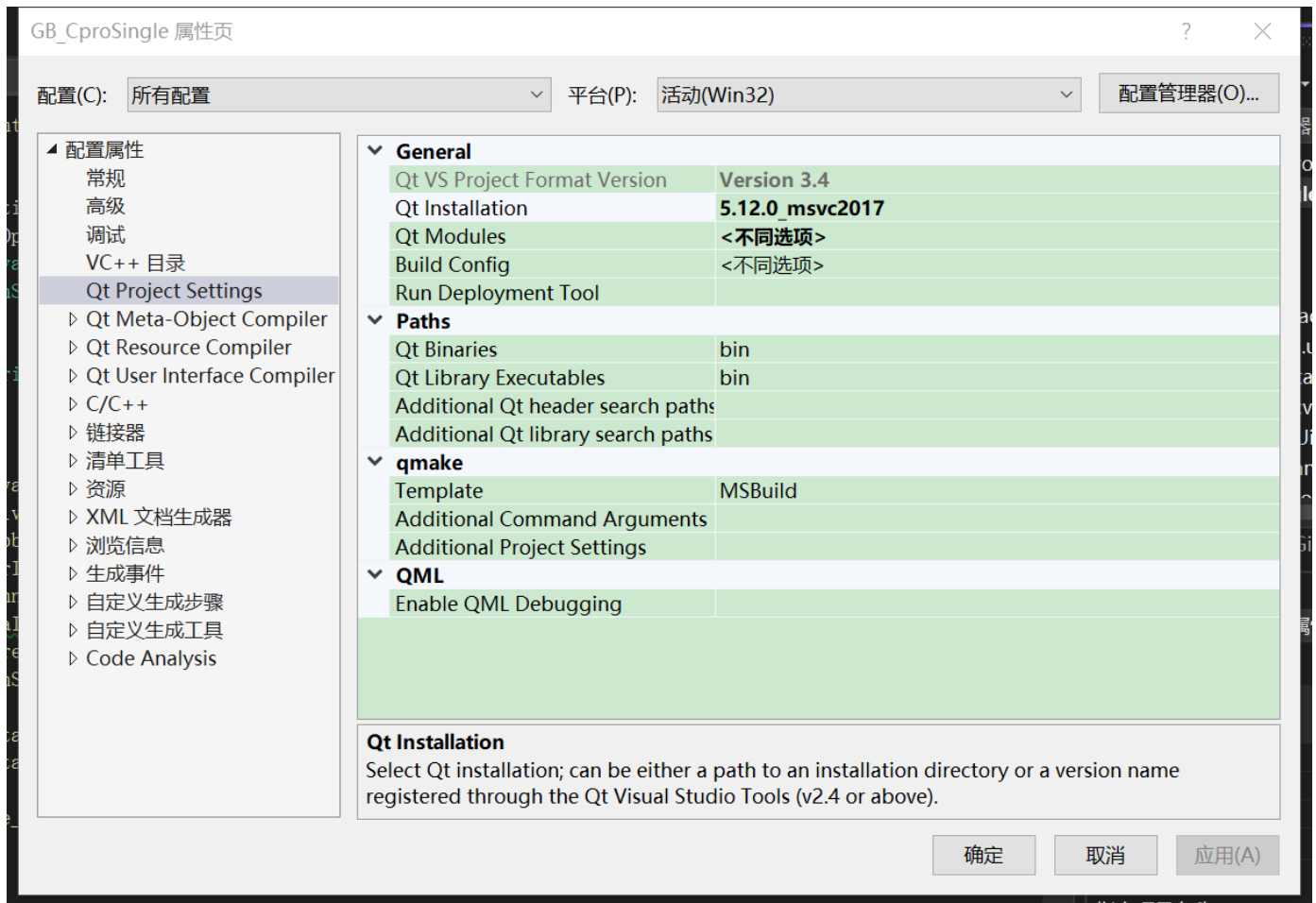
打开sln,点击扩展->Qt VS Tools菜单->qt versions (俩个都试一下)

添加如下 (要添加对应的环境变量)

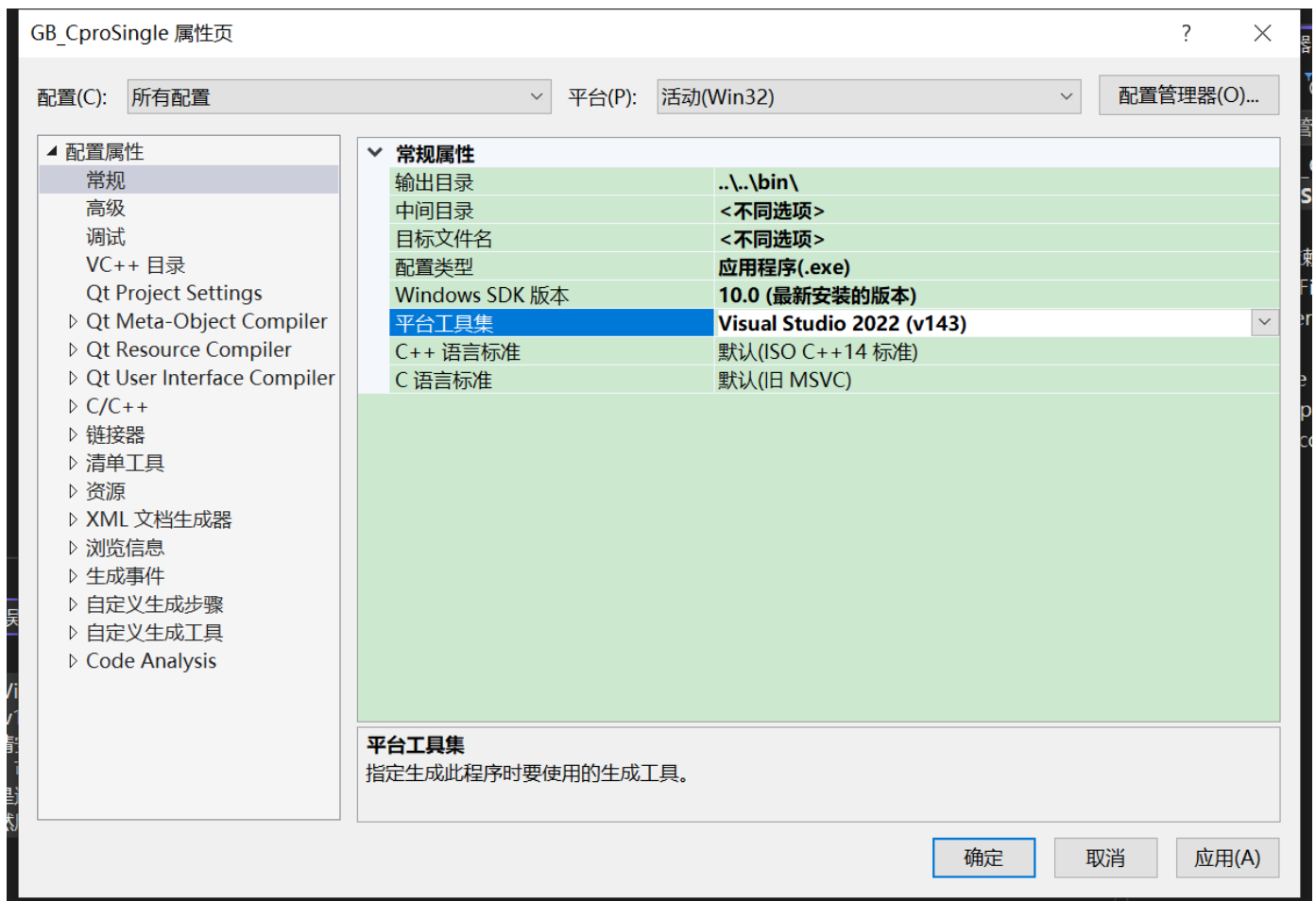




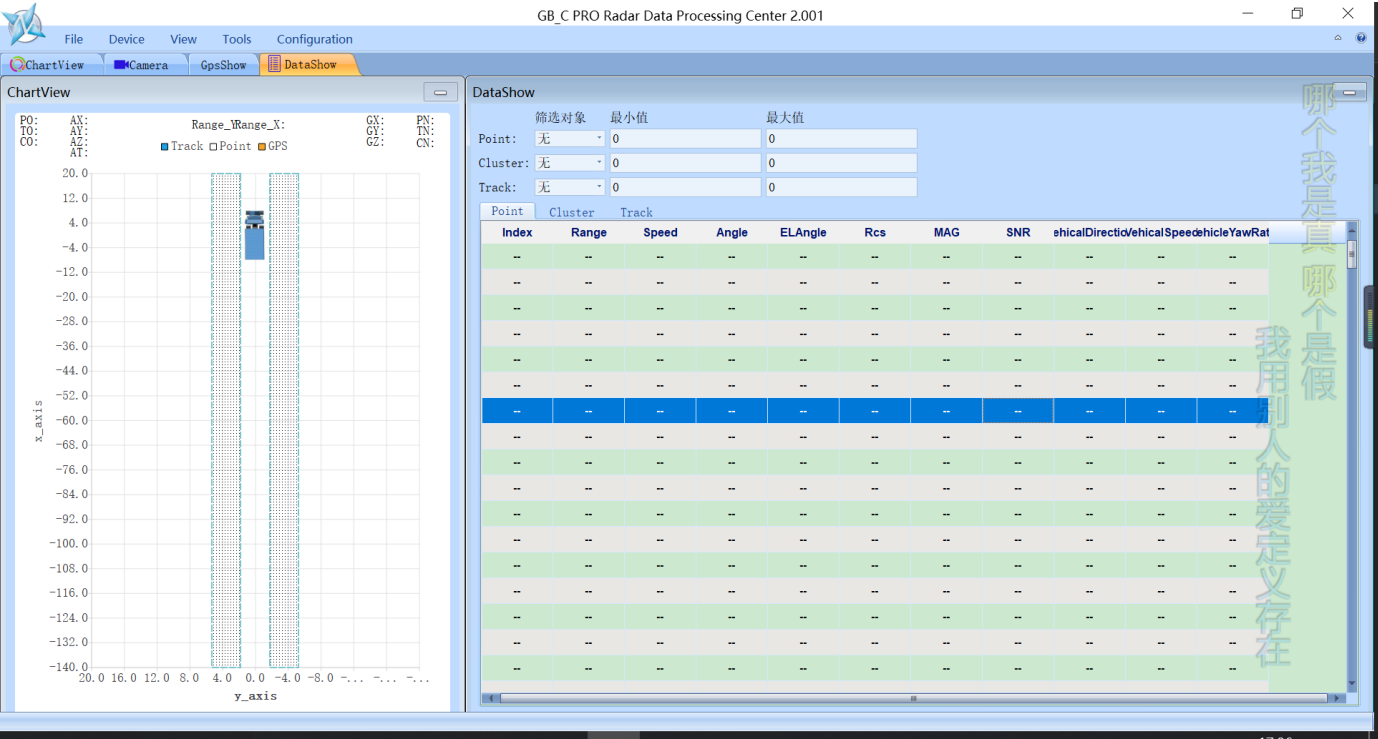
打开项目的属性，配置QT installation



配置平台工作集



点击本地调试器，生成上位机



上下位机同步

下位机：

在自己加的功能的总的.h文件定义

```
//#define OFFLINE_ADAS_APP_
```

//条件编译，离线回灌使用，下位机注释掉，上位机打开

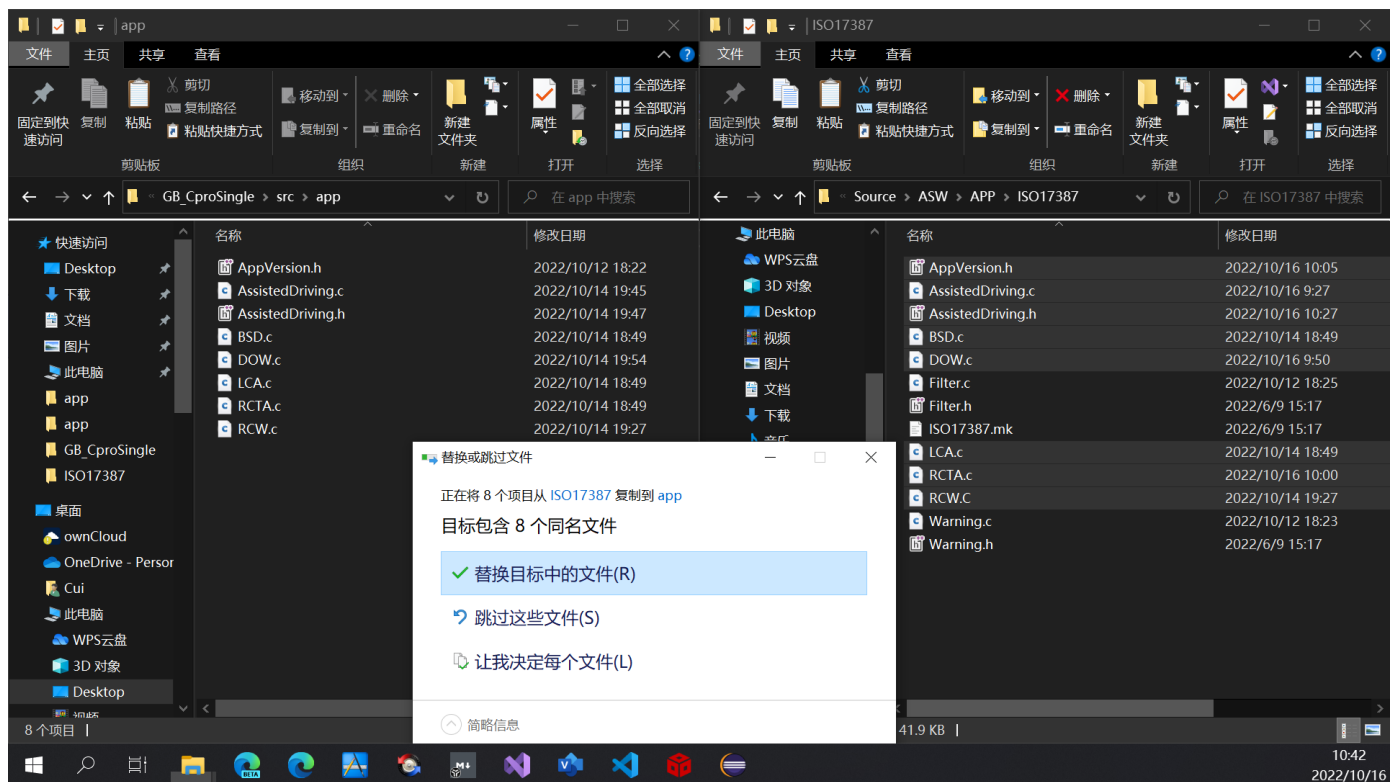
e.g.

```
#ifndef OFFLINE_ADAS_APP_ //下位机模式
#include "stdint.h"
#include "DF_ProExternalFile.h"
#include "../APP/Com/Vehicle_Info.h"

#else //上位机模式
#include "stdint.h"
#include "../DPM/DF_ProExternalFile.h"
#include "AppVersion.h"

#endif // !OFFLINE_ADAS_APP_
```

往上位机挪了一个专属的"AppVersion.h", 这个.h在下位机是app文件夹之外的文件



上位机:

下位机编译过后, 用到的.c和.h覆盖上位机对应的文件, 打开上位机, 取消注释//#define OFFLINE_ADAS_APP_

调通上位机接口, 用到的参数往总的.h加, 完成后用到的.c和.h覆盖下位机对应的文件, app文件夹内仅上位机用到的文件可不挪到下位机或者推荐离线回灌不使用

e.g.

```
/*
 * AppVersion.h
 *
 * Created on: 2021年8月26日
 * Author: Eric
 */

#ifndef SOURCE_CONFIG_APPVERSION_H_
#define SOURCE_CONFIG_APPVERSION_H_
#ifndef OFFLINE_ADAS_APP_ //下位机模式

#else //上位机模式
#include "stdint.h"

#define CALIBRATION_RCS_ADDR (0x1D0000)

#define RADAR_LEFT (0)
#define RADAR_RIGHT (1)
```

```

#define FRONT_RADAR      (0)
#define CORNER_RADAR     (1)

typedef enum
{
    RADAR_FRONT_1 = 0,
    RADAR_FRONT_2,
    RADAR_FRONT_LEFT,
    RADAR_FRONT_RIGHT,
    RADAR_REAR_LEFT,
    RADAR_REAR_RIGHT,
    RADAR_REAR_1,
    RADAR_REAR_2,
    RADAR_LATERAL_LEFT,
    RADAR_LATERAL_RIGHT,
    RADAR_TYPE_MAX,
}Radar_Type_t;

typedef struct
{
    float x_min;
    float x_max;
    float y_min;
    float y_max;
}Radar_FunArea_Type;

typedef struct
{
    uint8_t saveflag;
    uint8_t obj_num;
    Radar_FunArea_Type Area;
    Radar_FunArea_Type BSD1;
    Radar_FunArea_Type BSD2;
    Radar_FunArea_Type RCTA;
}Radar_Cfg_Type;

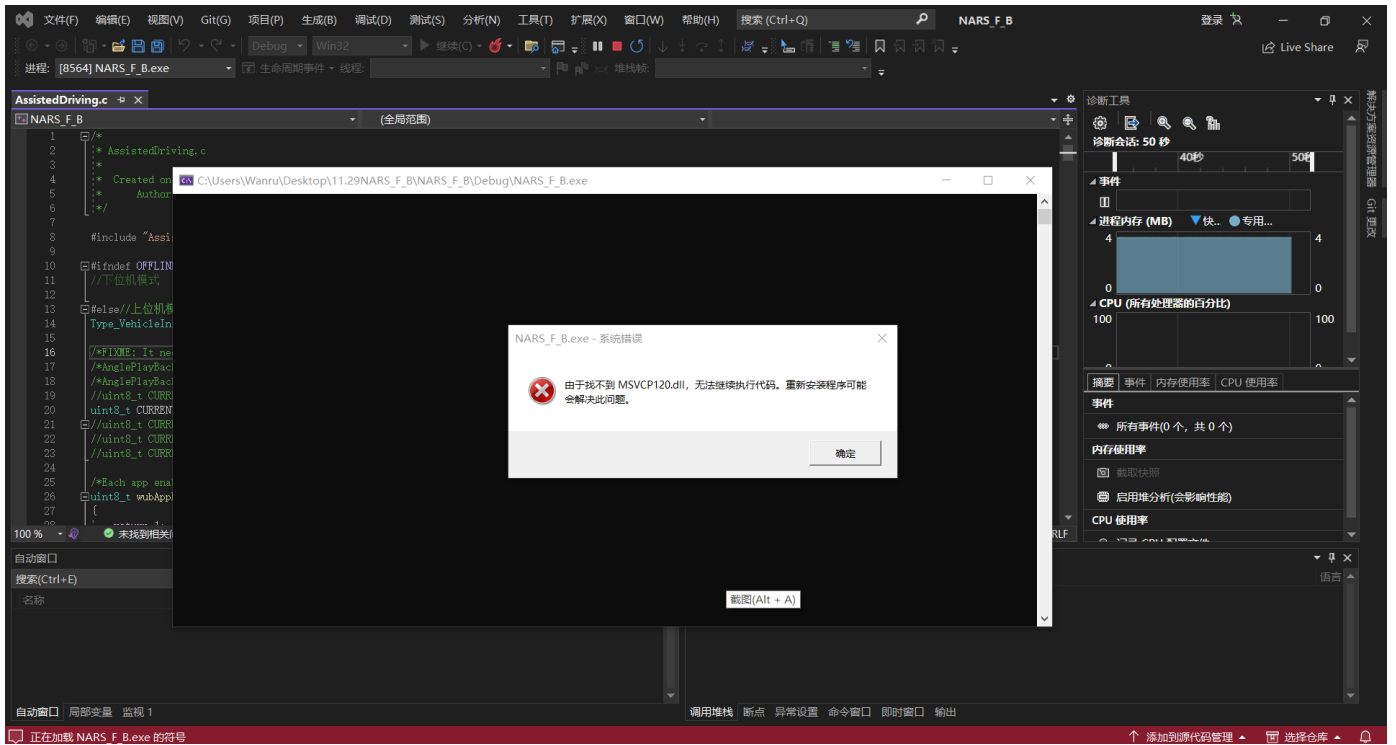
extern char SOFTWARE_VER[];
extern uint8_t CURRENT_RADAR;
extern uint8_t OBJ_COMBINE;
extern uint8_t RADAR_COORDINATE;
extern Radar_Cfg_Type Radar_Cfg;

//void Radar_Parameter_Initialize(void);
void Radar_Propeties_Init(void);
uint8_t Radar_Read_HW_Version(void);

#endif // !OFFLINE_ADAS_APP_
#endif /* SOURCE_CONFIG_APPVERSION_H_ */

```

问题一：



解决办法一：<https://zhuanlan.zhihu.com/p/348839894>

解决办法二：打开上位机release包，安装vc_redist.x86.exe