wpf调用c++动态链接库

笔记本: C#学习笔记

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注意事项

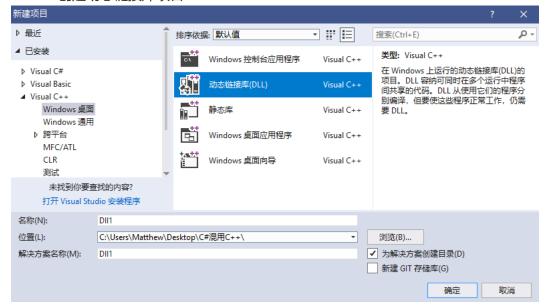
1. c++DII库编译平台x86还是x64, 需要统一版本

动态链接库创建过程

cnblog章为忠

微软官方例程

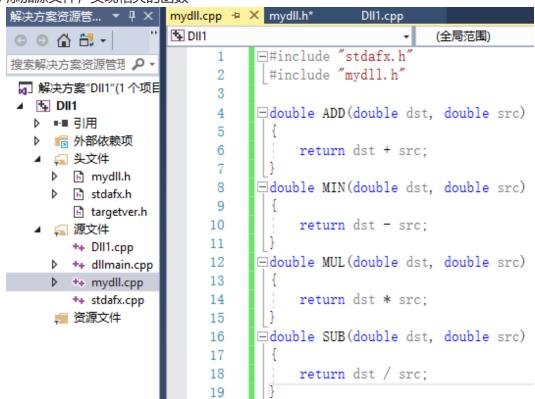
1. vs2017创建动态链接库项目



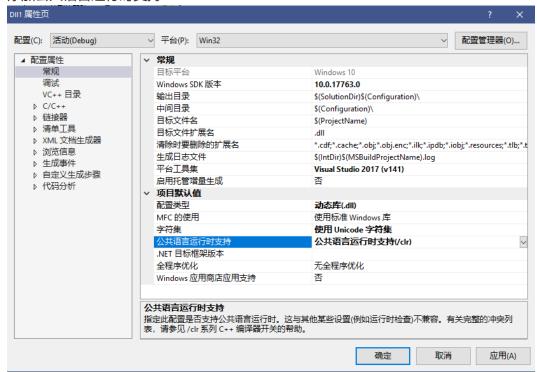
2. 添加头文件, 声明函数接口



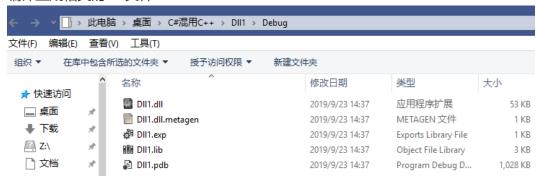
3. 添加源文件,实现相关的函数



4. 添加公共语言运行时支持



5. 编译生成相关的.dll文件



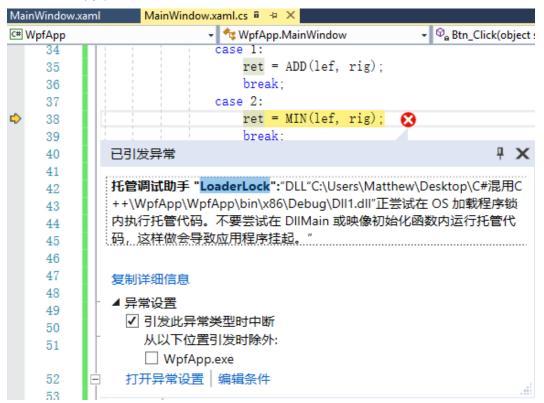
wpf对c++Dll的静态调用

1. 导入c++动态链接库

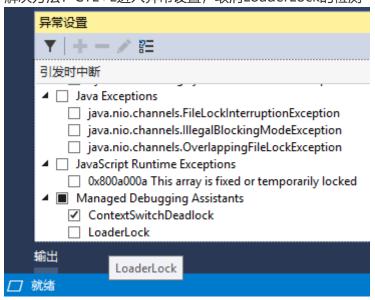
2. 在C#程序中声明相关DLL函数

```
# WpfApp
                                      → * WpfApp.MainWindow
                                                                                   → 🗣 Btn_Click(object sender, Ro
        using System:
        using System. Runtime. InteropServices;
        using System. Windows;
 3
 4
       using System. Windows. Controls;
      -namespace WpfApp
 6
 8
            /// MainWindow.xaml 的交互逻辑
 9
            /// </summary>
10
            2 个引用
            public partial class MainWindow : Window
11
12
13
                [DllImport("Dll1.dll", EntryPoint = "ADD", CallingConvention = CallingConvention.Cdecl)]
                public static extern double ADD(double a, double b);
14
                [DllImport("Dll1.dll", EntryPoint = "MIN", CallingConvention = CallingConvention.Cdecl)]
16
                public static extern double MIN(double a, double b);
17
18
                [DllImport("Dll1.dll", EntryPoint = "MUL", CallingConvention = CallingConvention.Cdecl)]
19
                public static extern double MUL(double a, double b);
20
21
                [DllImport("Dll1.dll", EntryPoint = "SUB", CallingConvention = CallingConvention.Cdecl)]
22
                public static extern double SUB(double a, double b);
23
```

3. LoaderLock异常



解决方法: CTL+E进入异常设置, 取消LoaderLock的检测



通过Dependency Walke查看dll的名称,端口

