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Prerequisites

DirectX (recommended: June 2010)

https://www.microsoft.com/en-us/download/details.aspx?displaylang=en&id=35

Visual Studio (recommended: Visual Studio Community 2017)

https://www.visualstudio.com/en-us/downloads/download-visual-studio-vs.aspx

Setup

Dynamic Library

The CybSDK is a dynamic library called CybSDK.dll.

In Visual Studio right click your projects **References** and choose **Add Reference...** In the opening wizard choose **Browse** and click **Browse...** After choosing the **CybSDK.dll** from the file system click **OK** to finish the wizard.

Native Dynamic Libraries

CybSDK uses two native C++ libraries located in /x86/CybSDK_Native.dll and /x64/CybSDK_Native.dll. All that is left to do is to make sure these are places next to your executable in their respective folders.

In Visual Studio open the project properties and navigate to **Build Events** and add the following lines to **Post-build event command line.**

xcopy /y /e "\$(ProjectDir)\[Path]\CybSDK*.dll" "\$(TargetDir)"

SDK Documentation

For full documentation take a look into the DoxyGen file **CybSDK_CS.chm** located in the **Docs** directory. All classes and functions are documented via the XML documentation file **CybSDK.xml** and should show up in your Visual Studio IntelliSense.

Example usage

```
using System;
using CybSDK;
namespace CybSDK_CS_Demo
  class CybSDK CS ConnectionDemo
     static void Main(string[] args)
        ushort version;
        try
           version = Virt.GetNativeSDKVersion();
        catch (TypeInitializationException e)
           // CybSDK_Native.dll could not be loaded
           Console.Error.WriteLine("[Fatal] Couldn't load CybSDK_Native.dll!");
           Console.ReadLine();
           Environment.Exit(-1);
        IVirtDevice device = Virt.FindDevice();
        if (device == null)
           Console.Error.WriteLine("[Fatal] No Virtualizer connected!");
           Console.ReadLine();
           Environment.Exit(-2);
        VirtDeviceInfo info = device.GetDeviceInfo();
        string product_name = info.ProductName;
        if (!device.Open())
           Console.Error.WriteLine("[Fatal] Unable to connect to Virtualizer!");
           Console.ReadLine();
           Environment.Exit(-3);
        float ring_height = device.GetPlayerHeight();
        float ring angle = device.GetPlayerOrientation() * 360;
        float movement_direction = device.GetMovementDirection() * 180;
        float movement_speed = device.GetMovementSpeed();
        Console.WriteLine("Connection successful!");
        Console.ReadLine();
     }
  }
}
```