**cronus**

This project is a midleware of ESL Gen 3.0 solution.

Note: Before you to put this middleware into your project, you must check both of your labels and aps are the 3rd generation

1. The **Cronus/Cronus** project is the middleware source code.
2. The **Cronus/Cronus.API** project is the mini API package source code for cross language platform to intergration.
3. The **Cronus/Cronus.Demo** project is a WPF desktop demo to using Cronus/Cronus.
4. The **Cronus/Cronus.NC31** project is a .NET Core 3.1 copy from Cronus/Cronus folder, it using System.Drawing instead of SkiaSharp.

**Quick start:**

1. Add project reference;
2. Register AP status changed event and Task feedback event:

SendServer.Instance.APEventHandler += Instance\_APEventHandler;

SendServer.Instance.TaskEventHandler += Instance\_TaskEventHandler;

1. Start the Sendserver:

var result = SendServer.Instance.Start(\_config, \_logger);

1. Send a image to the ESL:

var result = SendServer.Instance.Send(tagID, image);

For more information, please read the document. Some sections are still under construct, for issues and bugs please let me know, thanks.

**Deploy in Linux**

Run below command before start:

apt update

apt install libicu70

apt install -y libfontconfig1

Note: For different OS, please refer to <https://learn.microsoft.com/en-us/dotnet/core/install/linux-ubuntu#dependencies>

**HTTP Code 500 (Server Error)**

Because of different version of SkiaSharp library on different OS, if your platform is Linux, please check the libSkiaSharp.so has been copied to your API application folder.