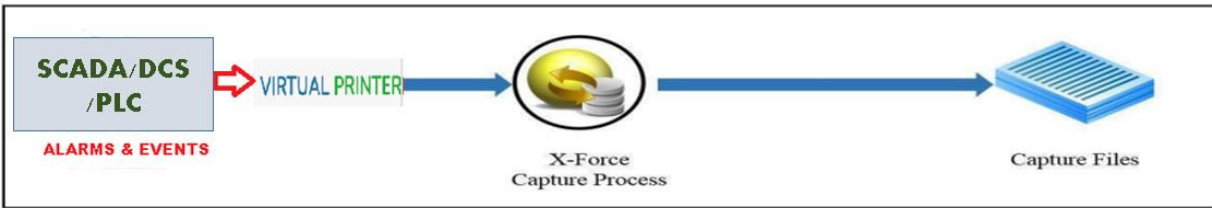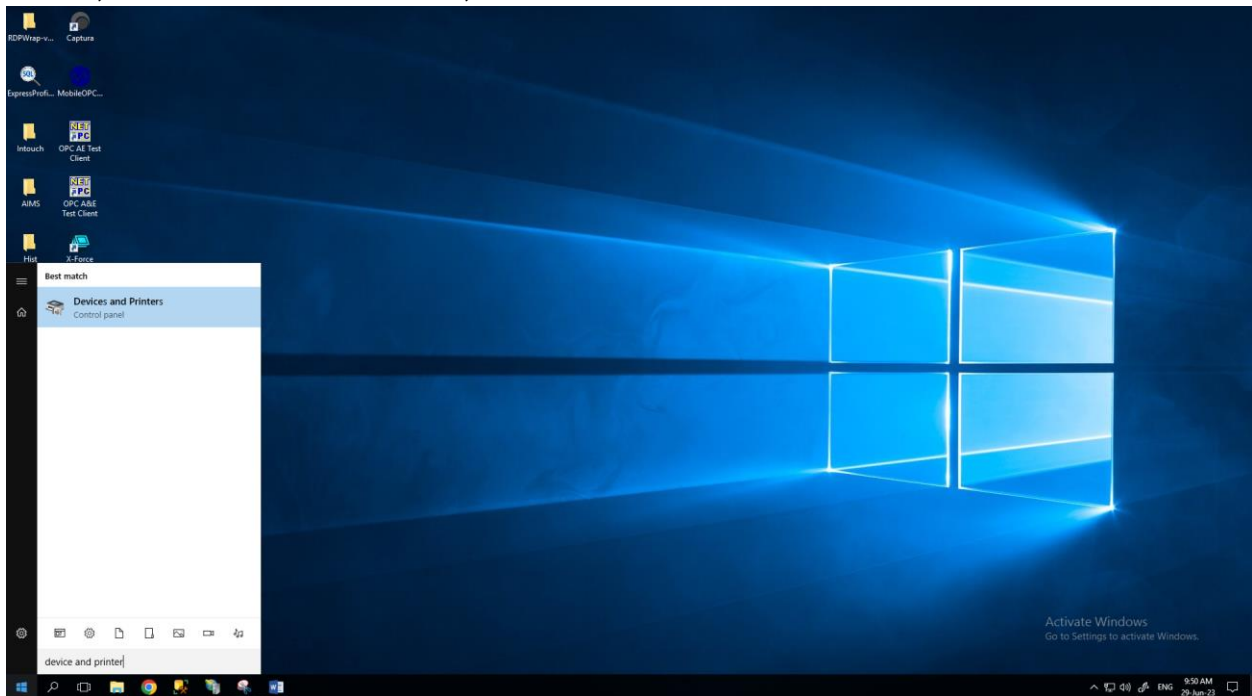# ALARM & EVENTS FROM SCADA/DCS/PLC USING VIRTUAL PRINTER
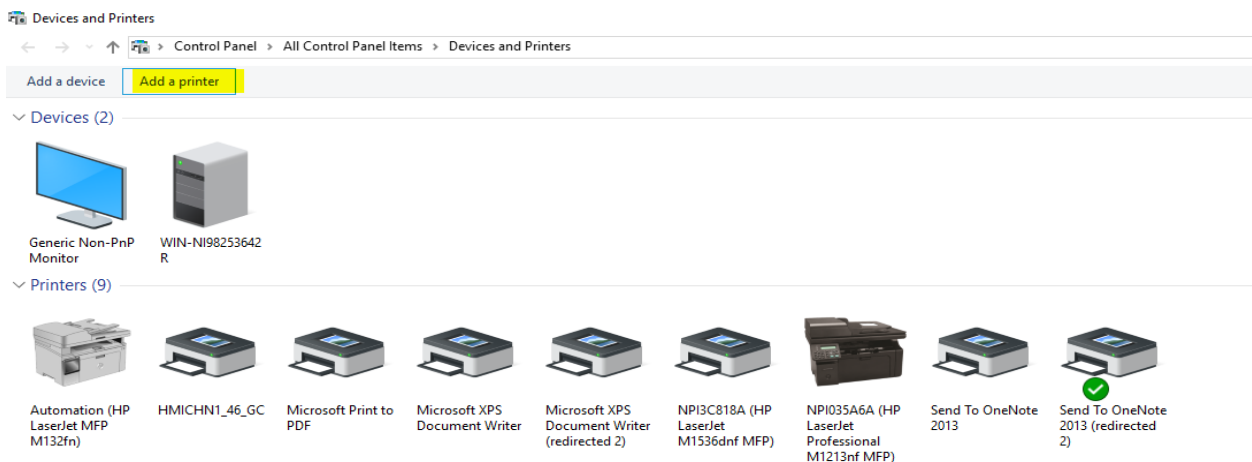

To get Alarms and Events from SCADA InTouch HMI, **First create Virtual Printer**

Search, Write Device and Printers, **Click on Devices and Printers.**

Click on **Add a printer**

Click on The printer that I want isn't listed, As Shown below.

Choose a device or printer to add to this PC

Select a device

> NPI9603BB (HP LaserJet MFP M437-M443)
> Multi Function Printer

The printer that I want isn't listed

Next   Cancel

Select Add a printer using a TCP/IP address or hostname and **Click on Next**

← 🖨 Add Printer   ✕

Find a printer by other options

○ My printer is a little older. Help me find it.

○ Select a shared printer by name

[   ]   Browse...

Example: \\computername\printername or
http://computername/printers/printername/.printer

◉ Add a printer using a TCP/IP address or hostname

○ Add a Bluetooth, wireless or network discoverable printer

○ Add a local printer or network printer with manual settings

Next   Cancel

Write Hostname or IP Address where to print the alarm and Events from SCADA/DCS/PLC ,After that **Click on Next.**

← 🖨 Add Printer

Type a printer hostname or IP address

Device type:	Autodetect ⌄
Hostname or IP address:	10.2.8.201
Port name:	10.2.8.201_3

☑ Query the printer and automatically select the driver to use

Next   Cancel

After Clicking on Next below Screen appear,
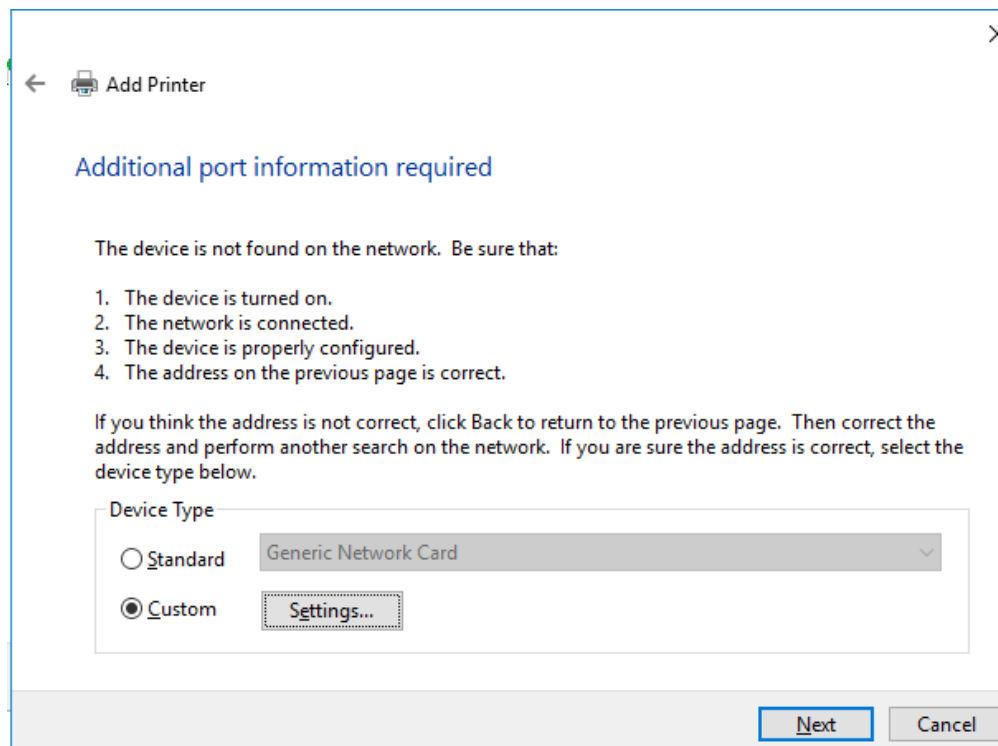
← 🖨 Add Printer

Detecting TCP/IP port

Detecting the TCP/IP port...
Windows will automatically move to the next page when the detection is done.

Next   Cancel

Select Custom and **Click on Settings**

Now, In Raw Settings **Write Port Number** and **Click on OK**

Click on Next

← 🖨 Add Printer

Additional port information required

The device is not found on the network. Be sure that:

1. The device is turned on.
2. The network is connected.
3. The device is properly configured.
4. The address on the previous page is correct.

If you think the address is not correct, click Back to return to the previous page. Then correct the address and perform another search on the network. If you are sure the address is correct, select the device type below.
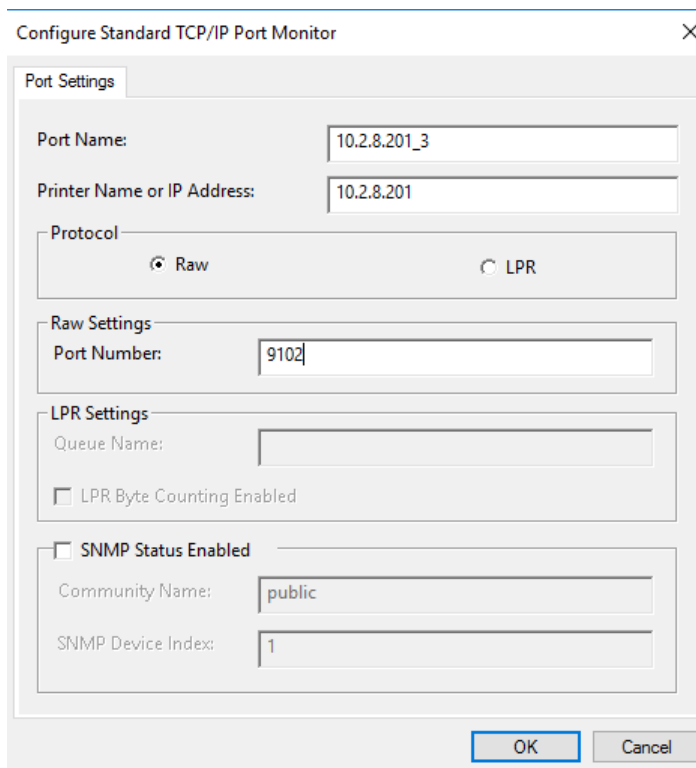
Device Type
- ○ Standard   Generic Network Card ⌄
- ⦿ Custom   [Settings...]

[Next]   [Cancel]

Below Screen Appear after click on Next

← 🖨 Add Printer

Detecting the driver model...

Windows is communicating with the printer and will automatically detect the printer driver to use.

[Next]   [Cancel]

Select **Generic and Generic/Text only** as Shown Below. After that **Click on Next**.
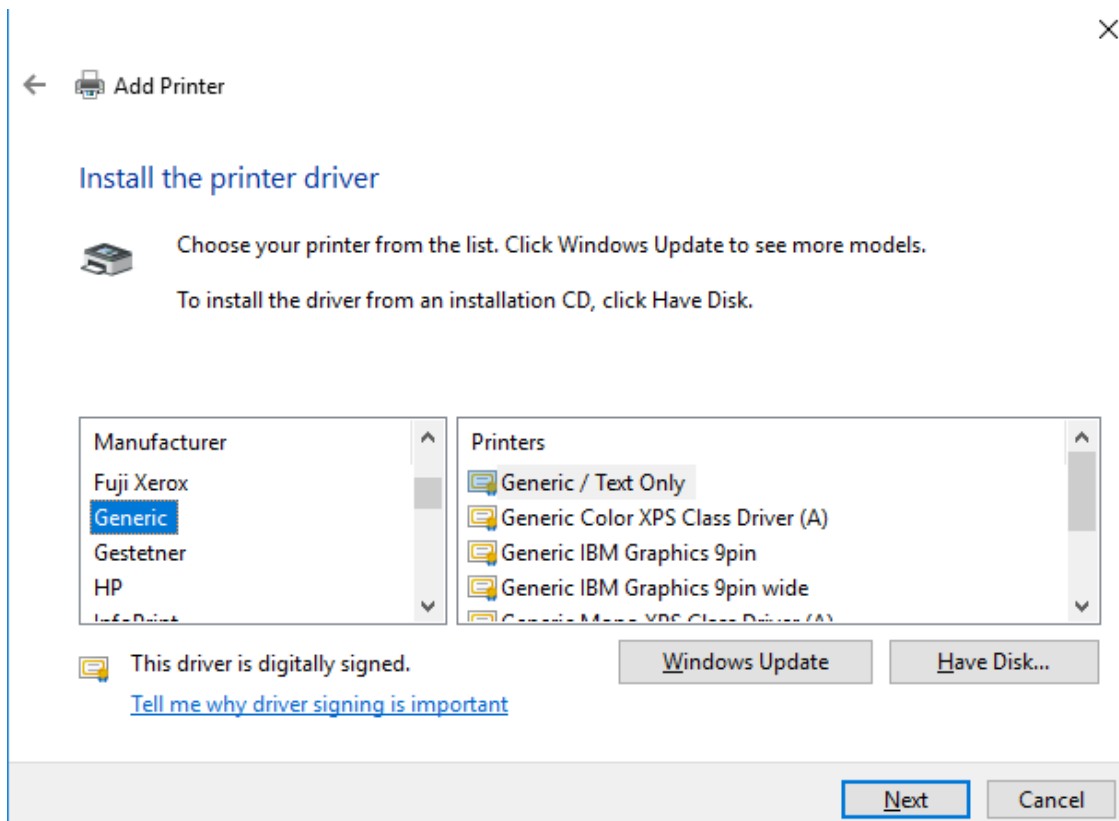
Select Replace the current Driver and **Click on Next**
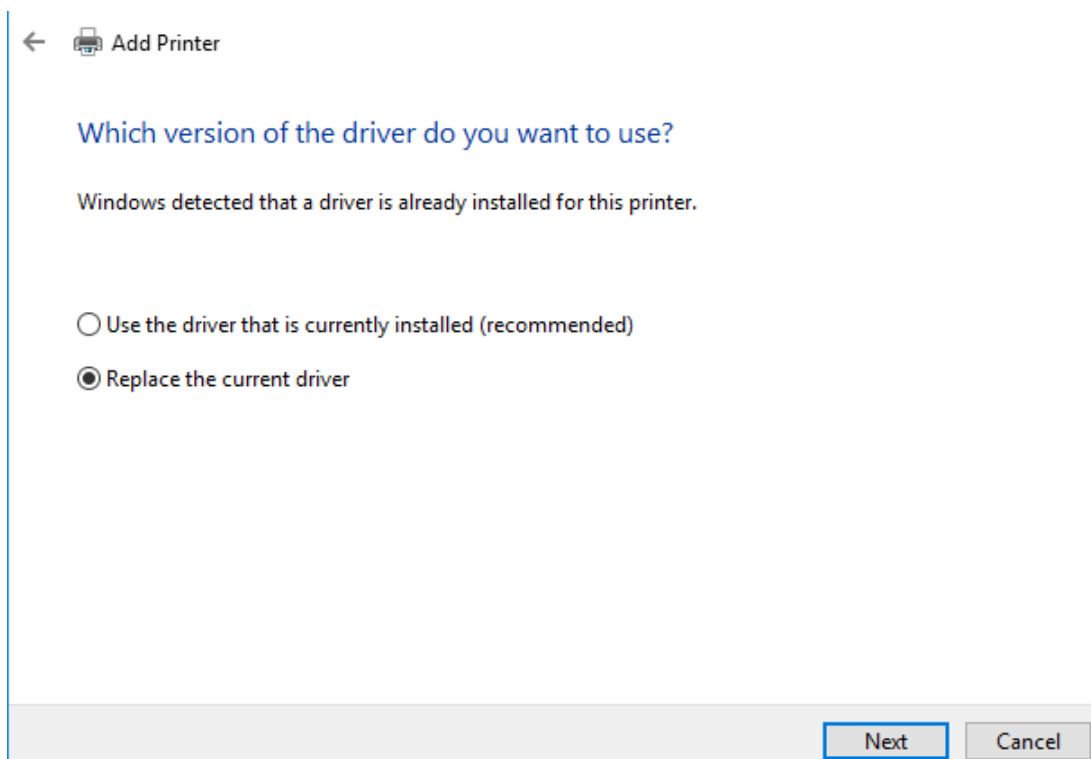
Write Printer Name and **Click on Next**.

← 🖨 Add Printer

Type a printer name

Printer name: SCADA_ALM|

This printer will be installed with the Generic / Text Only driver.

Next   Cancel

Select do not share this printer and **Click on Next**.

← 🖨 Add Printer

Printer Sharing

If you want to share this printer, you must provide a share name. You can use the suggested name or type
a new one. The share name will be visible to other network users.

⦿ Do not share this printer

◯ Share this printer so that others on your network can find and use it

Share name: [   ]

Location: [   ]

Comment: [   ]

Next   Cancel

To check printer working properly or not **Click on Print a Test page**.

After Successful Testing of Test page **Click on Close**
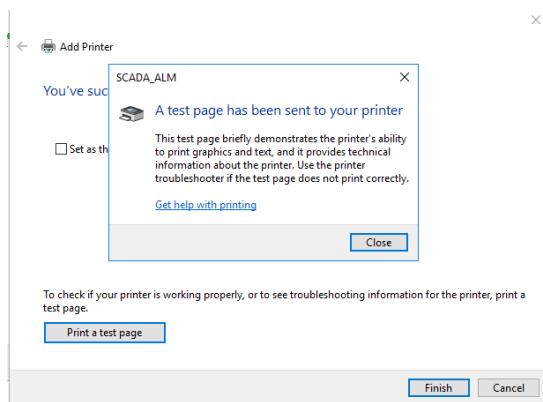
Click on Finish

← 🖨 Add Printer

You've successfully added SCADA_ALM

☐ Set as the default printer

To check if your printer is working properly, or to see troubleshooting information for the printer, print a test page.

[Print a test page]

[Finish] [Cancel]

After Clicking on Finish Virtual Printer SCADA_ALM Appear As shown below.

To create new Channel, In X-Force Alarm Web Configuration. Login with credential (User Name and Password)
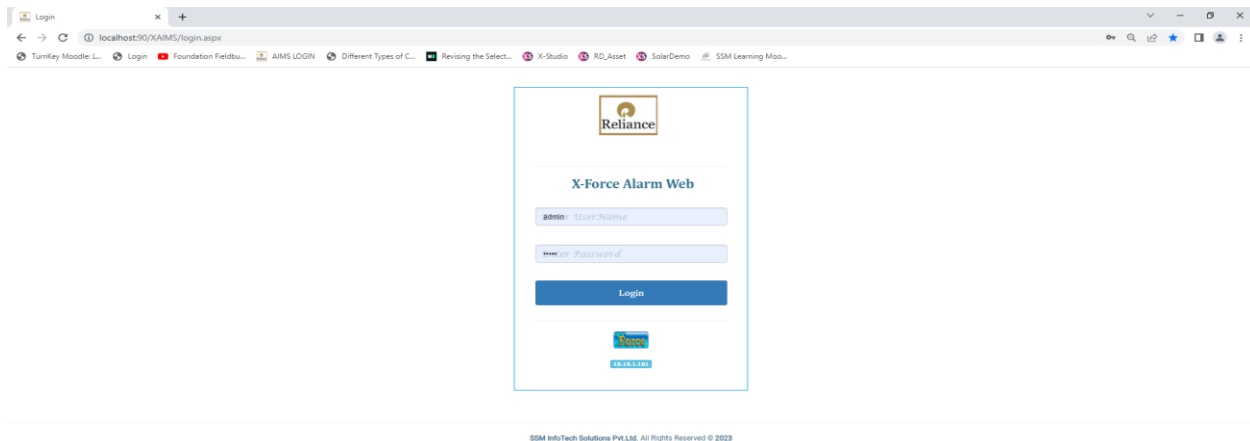
Click on Configuration, Expand configuration click on channel configuration and right click on it and select ADD channel.
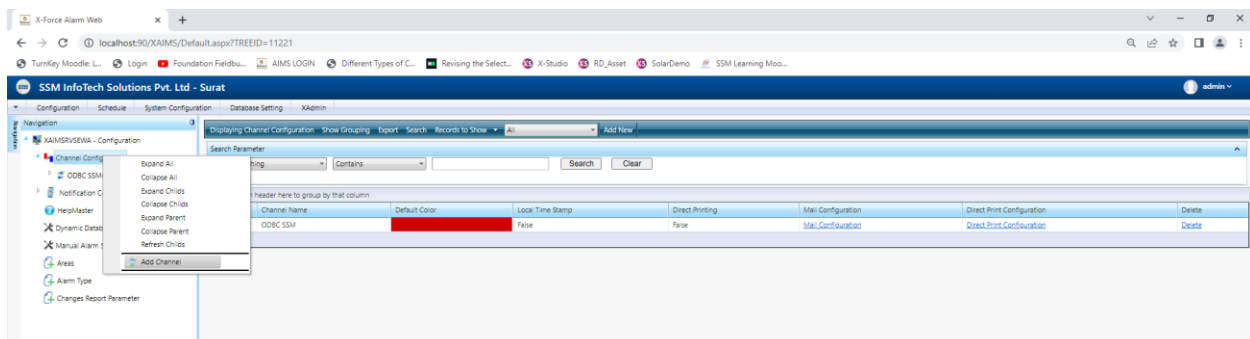
Add Details like communication type (Network Communication), Channel name, Plant Name, Set Default Color Then click on save

As Shown Below write local IP, Remote IP, Backup IP, Port No, Select Terminator 1 and 2, Set Minimum Length Data accordingly. And click on save.

Channel is Appear here as shown below.
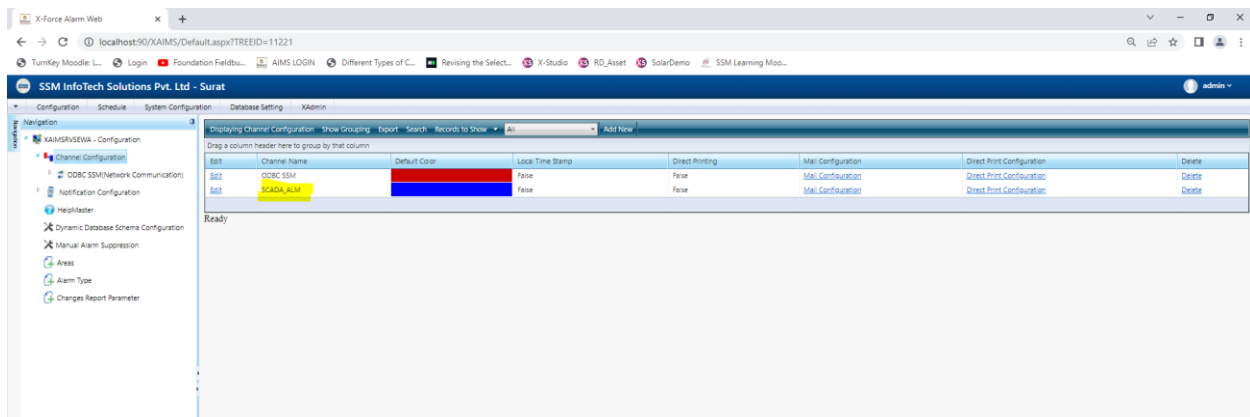
Now Open X-Force Capture Process and Restore it.
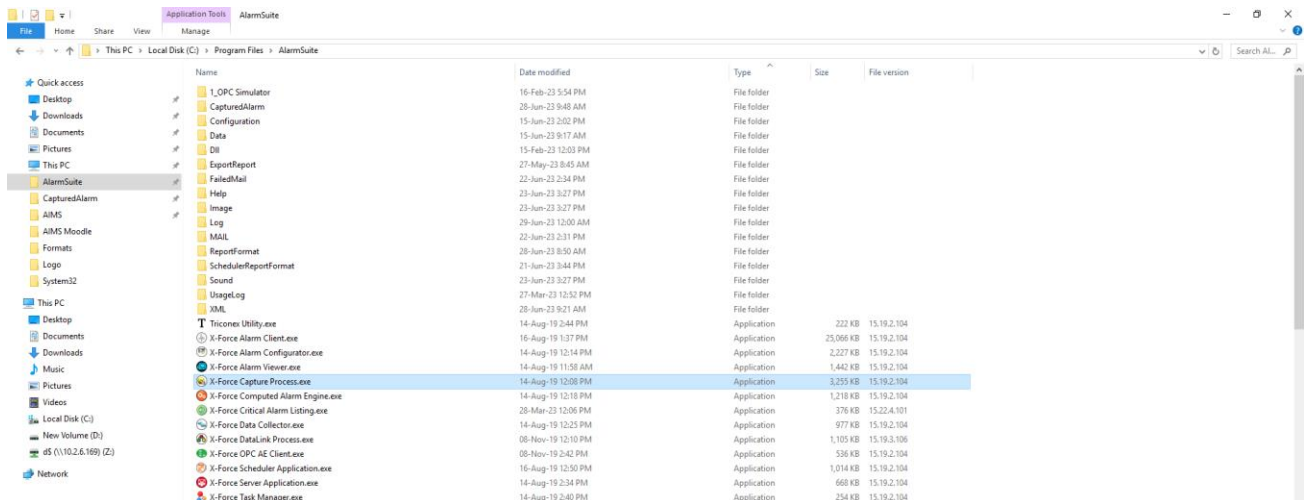
After Restore X-Force Capture Process, SCADA_ALM Channel appear, Check Port No, local IP,Remote IP and Backup IP connected or not.

(On Channel SCADA_ALM, Printer Test page Appear)
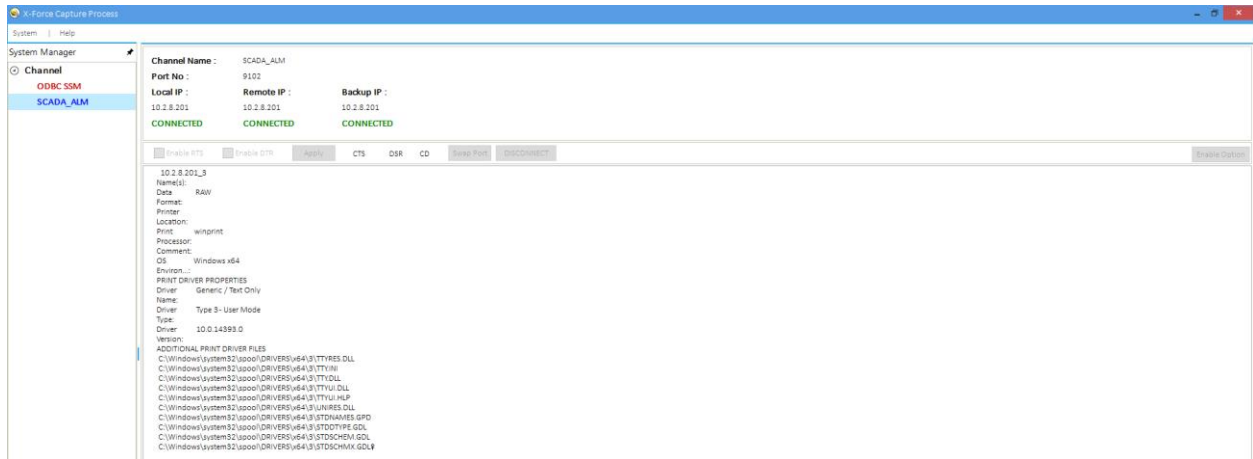
Now to start Alarms from SCADA AVEVA InTouch HMI,

Open InTouch HMI Application Manager,
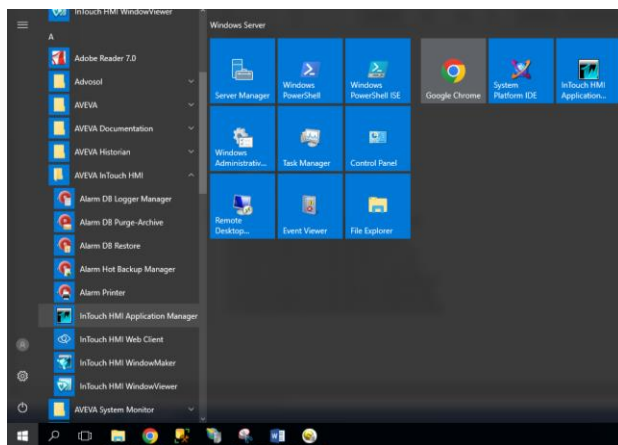
Double click on Test_alm
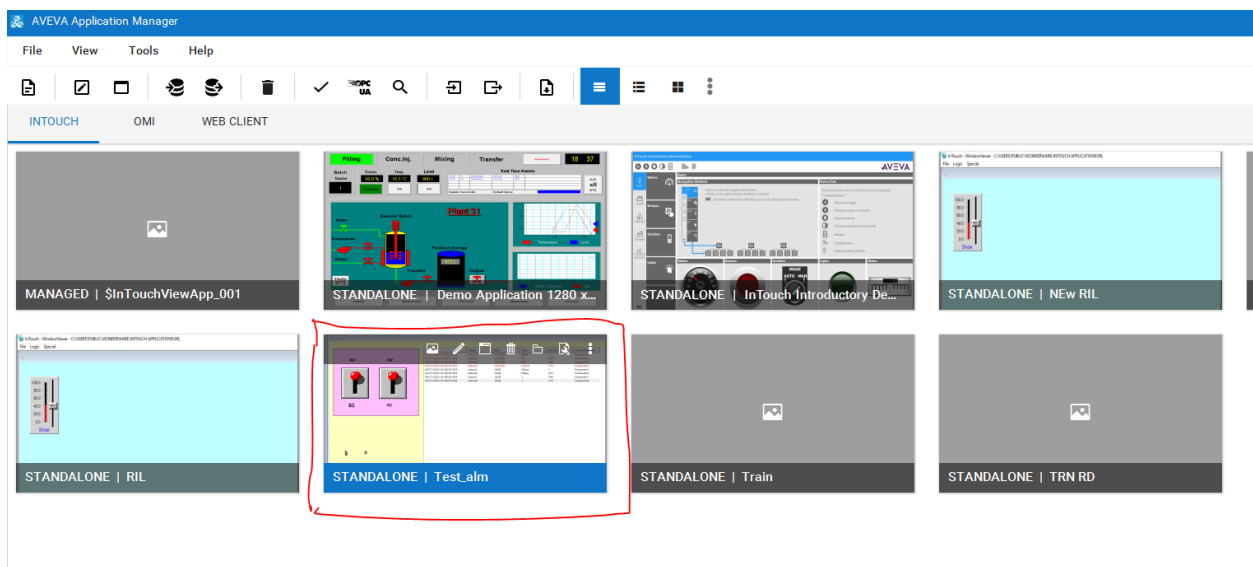
As Shown Below InTouch WindowMaker >> Expand Application
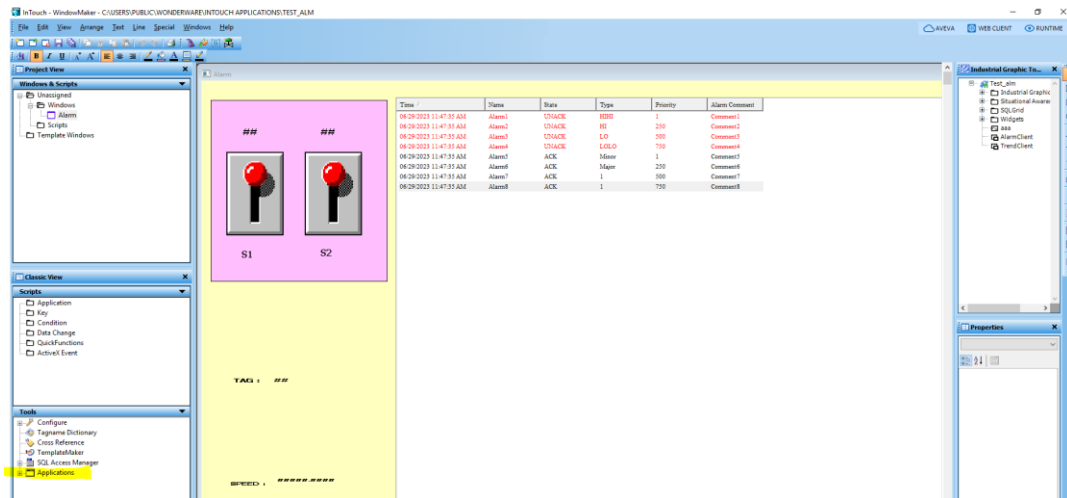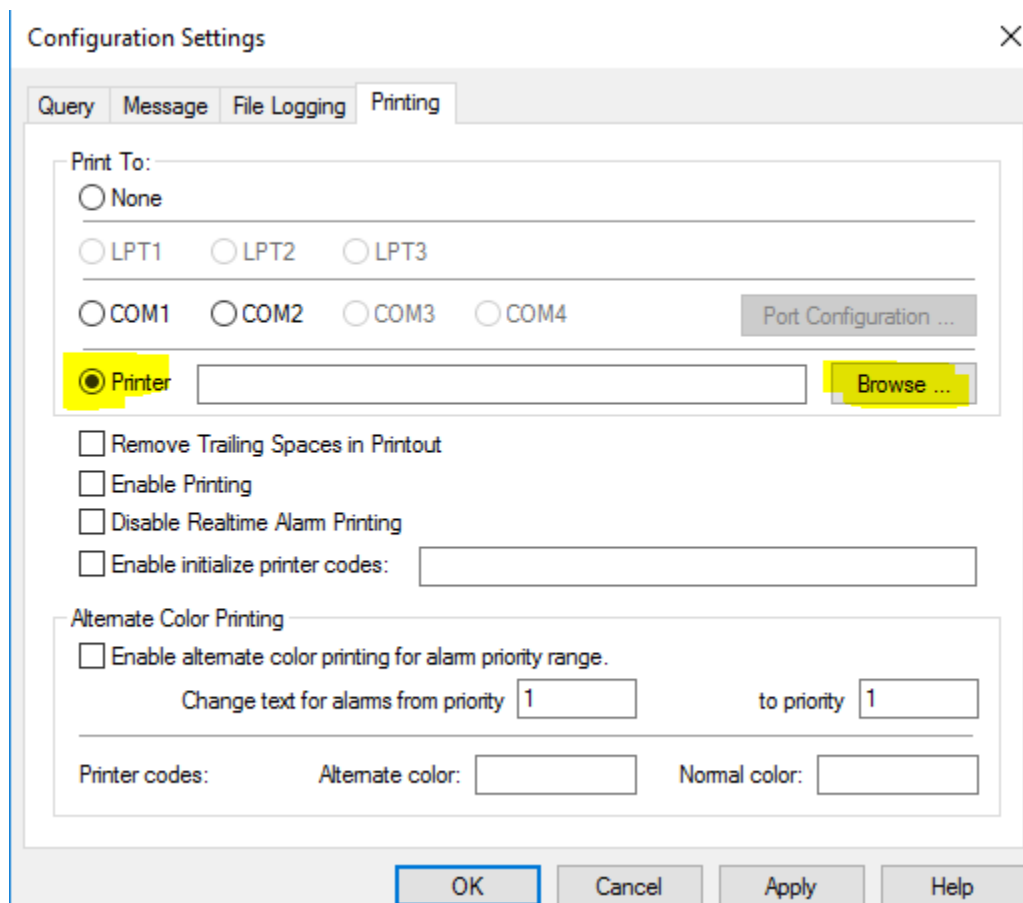
After Expand of Applications Double click on Alarm Printer.
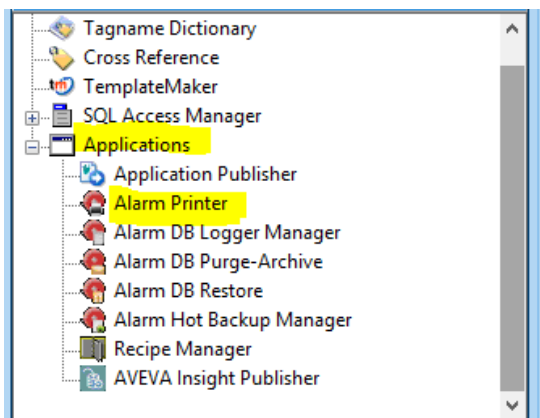
Click on Configure
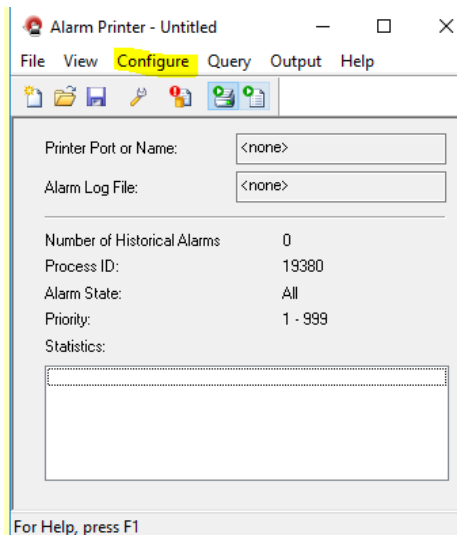
In Printing, Select Printer and Browse Printer

Select Virtual Printer Which already Created.(SCADA_ALM) and Click on OK
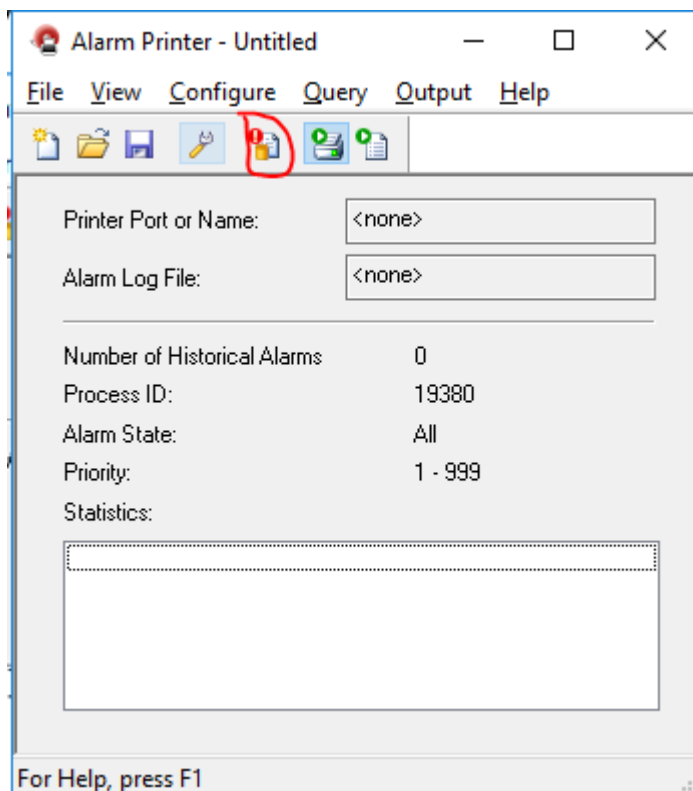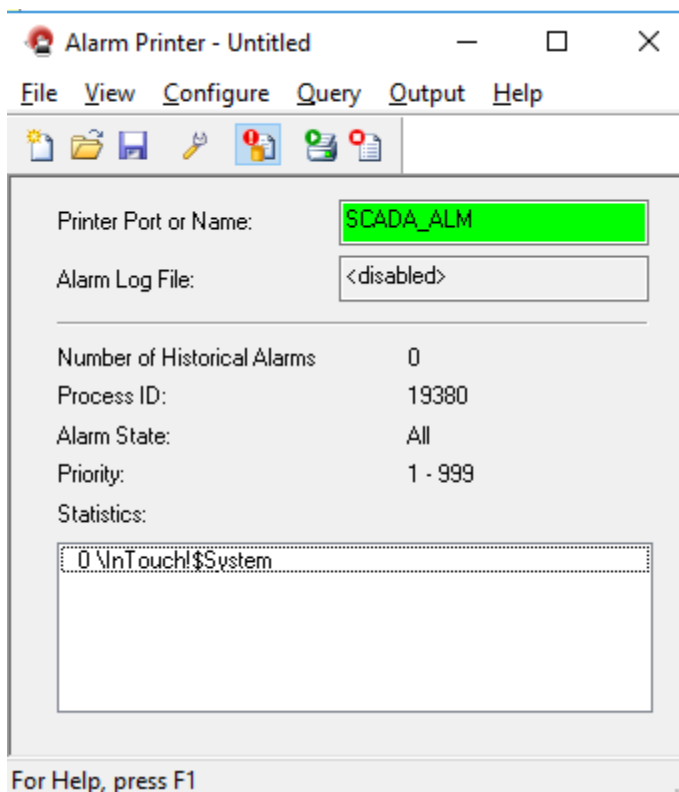
Click on Apply and then Click on OK
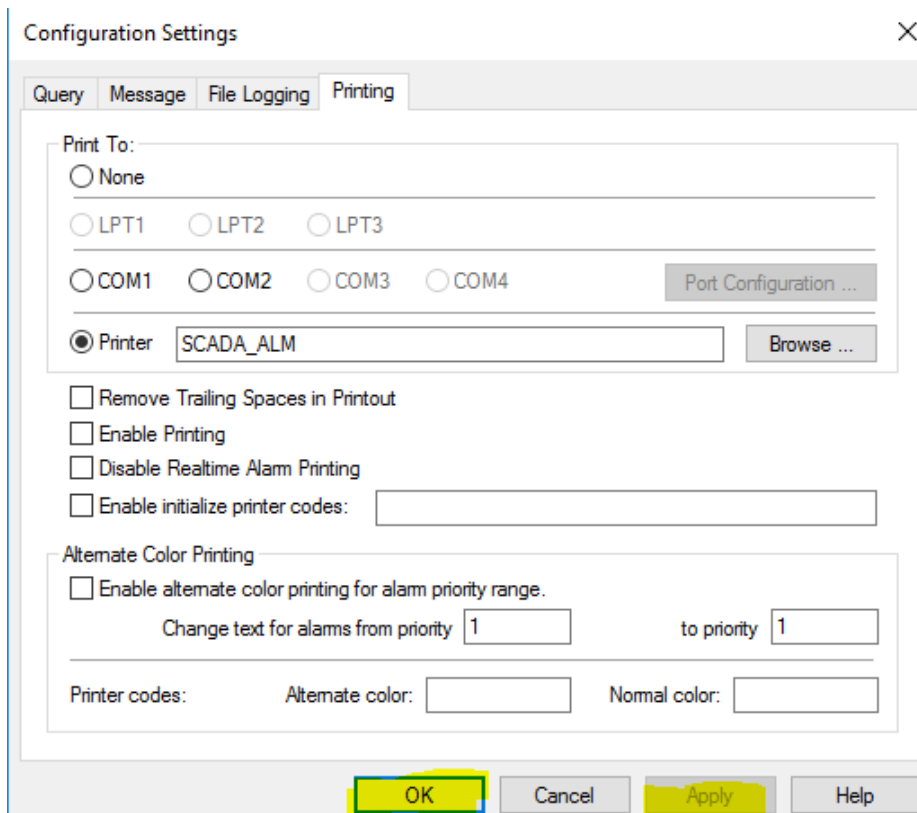
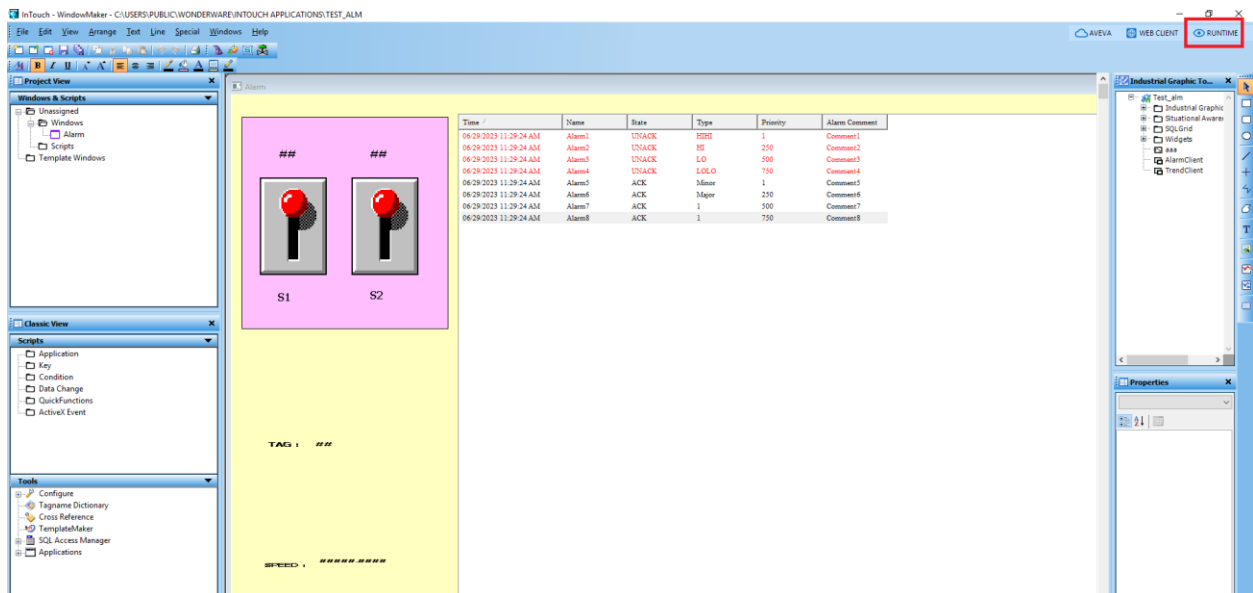Click on Enable/Disable button printing
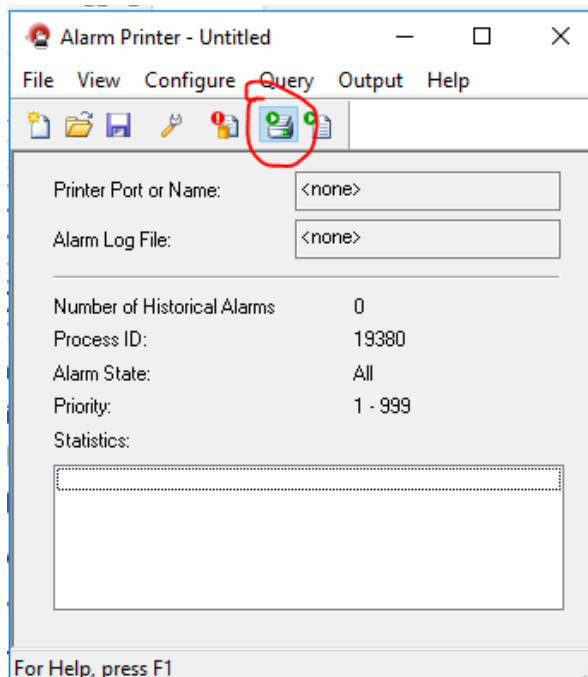
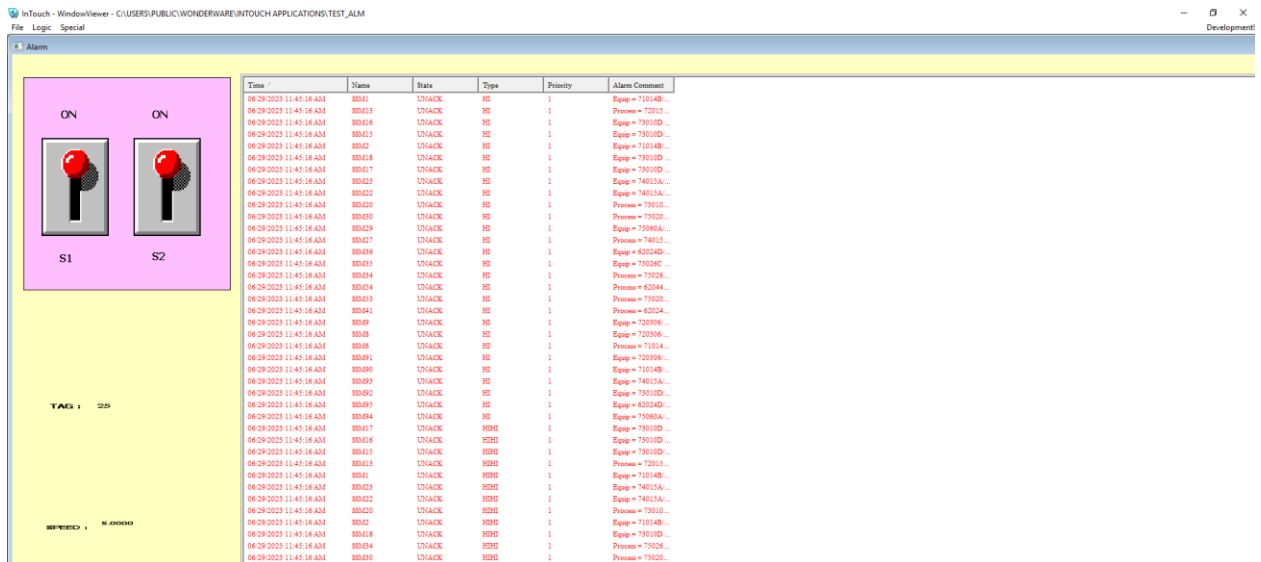Click on Start/Stop as Shown Below

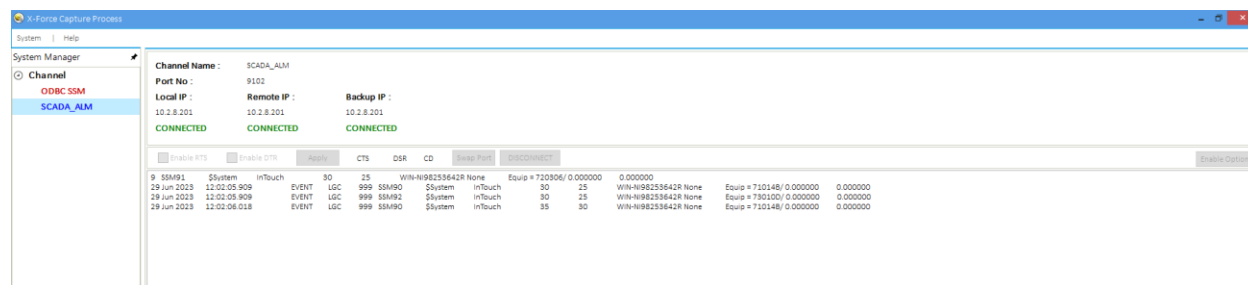After Clicking on Start, Printer Name Appear here as shown below.
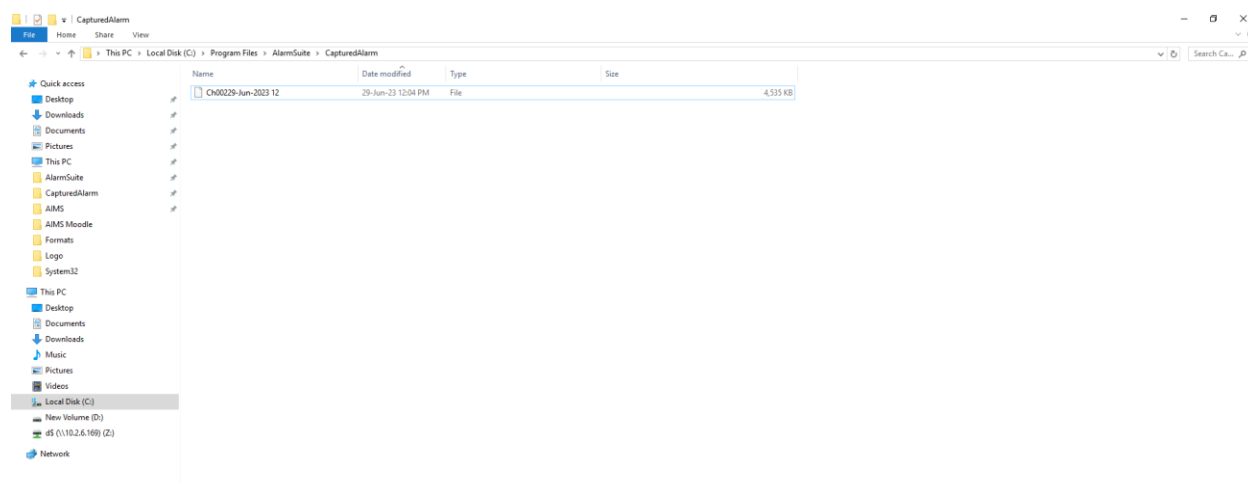
Now, Click on RUNTIME

Start the alarms **(Do Not Closed WindowViewer)**

Restore the X - Force Capture Process Application and Check Alarms are Coming or not.

Now Check Capture file Created or not.

Restore the X - Force DataLink Application and Click on channel **SCADA_ALM** Check Alarms are Coming or not.