

RICOH

AnaRIP 5.2.2 Update

Changes

Setup and Installation

Troubleshooting steps

Outline

- Changelog
- Setting up printer analytics tool software, Data Collector for first use
- Using the inksets and exceptions
- Other changes

Changelog

- RICOH Ri 1000
 - Added Super Fine (1200 x 1200) color layer printing
 - Dot range will now always default to extra wide when Ri 1000 file or printer is selected
- Ri 3000| Ri 6000| MP5| MP10
 - Changed the preview output for Accessory platens
 - Fixed bug causing image within platen preview to be out of scale
 - Fixed transmission timeout bug for Ri 3000| Ri 6000 printers to allow for additional RIP processing time for dark shirts
- Added printer analytics tool (Data Collector) installer
- General Bug Fixes
 - Fixed bug that prevented successive job from being printed after canceling a job in the printer queue
 - Fixed bug caused reprinted jobs to error when sending from the completed queue
 - Fixed underbase reset function to reset all underbase variables when button was pressed
 - Fixed bug that caused print timestamps to be inconsistent when closing and opening AnaRIP causing jobs to be mixed up the queue when reopening.

What's Included



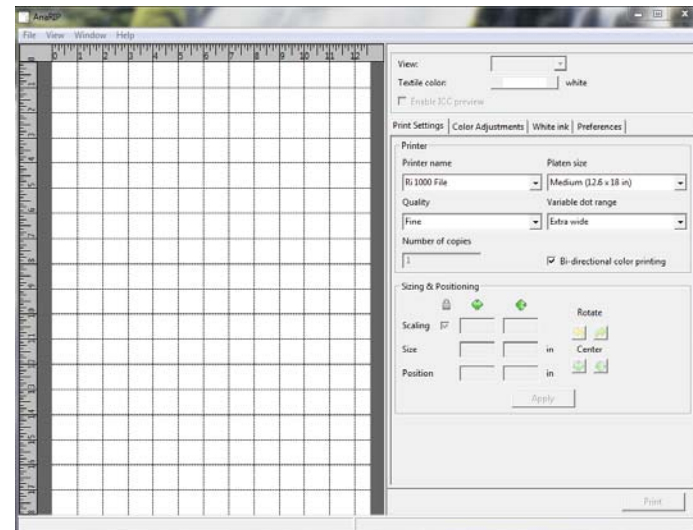
Printer analytics tool (Data Collector) Software:
Allows for the collection of printer logs for diagnostic purposes. Works for Ri 1000, Ri 3000/Ri 6000, Ri 100

*Optional (not required for AnaRIP or printing)

The image shows two screenshots from the Data Collector software. The top screenshot is titled "Network Settings" and contains a button "Obtain proxy server information", a checkbox "Use a proxy server", and input fields for "Address", "Port Number", "User Name", and "Password". The bottom screenshot is titled "IP Address Setting" and contains input fields for "Devie IP Address" (with "0.0.0.0" entered) and "SNMP Community Name" (with "public" entered).



AnaRIP: RIP software used to send print jobs to the Ri 1000, Ri 3000/Ri 6000, mP 5/10 printers

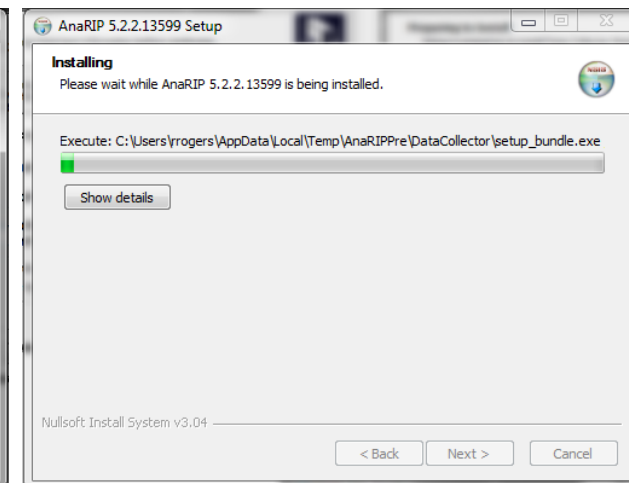
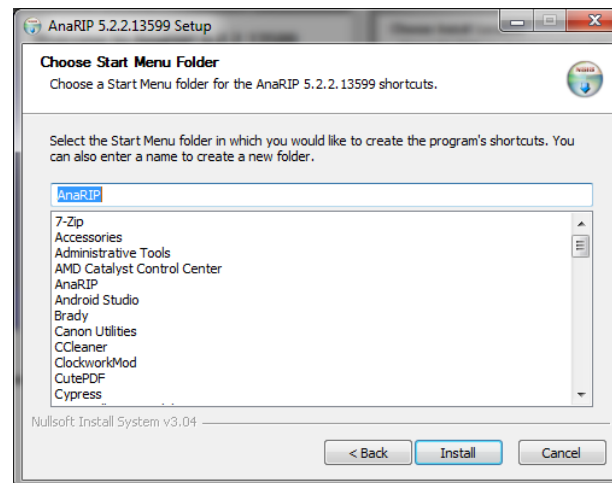
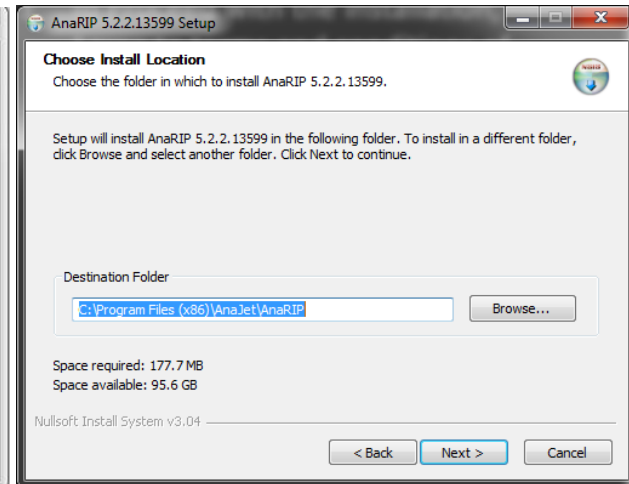


Printer Analytics Tool (Data Collector) Requirements

- **Host PC System Requirements.**
 - Windows7 Professional 32bit/ 64bit SP1 English package
 - Windows10 Professional 32bit/ 64bit English package
 - Data Collector uses TCP Port 80, and UDP Port 50001.
- **Host PC Specification**
 - Processor : Intel Core i5 2.90GHz or better
 - Available memory :4GB or more
 - Network adapter:Network cable can be connected.
 - Available HDD space :10GB or more
- **Supported Browsers**
 - WWW Browser : Internet Explorer 11 or later
- **Host PC internet connection required**
- **Printers must be connected to the host PC using an ethernet connection**
 - Direct PC to printer connector
 - PC to router to printer connection
 - Set IP address of the printer as needed

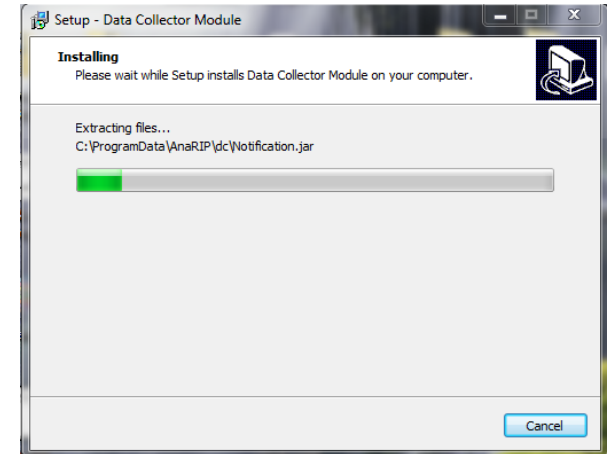
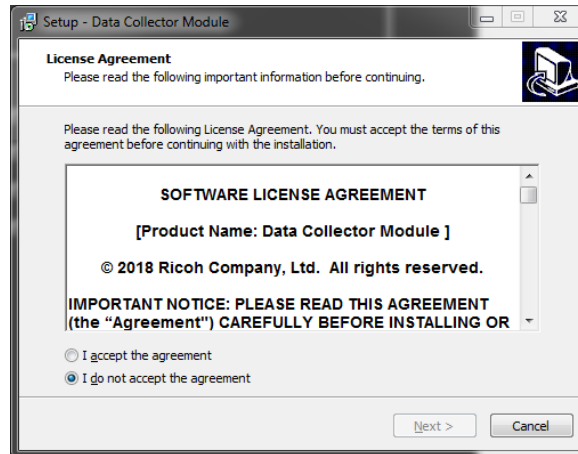
Pre-Software Installation AnaRIP

1. Before Proceeding with the installation close any open instance of AnaRIP
2. Uninstall older data collector, if present on PC
3. Run AnaRIP 5.2.2 Executable
4. Select the folder you wish to Install AnaRIP
5. Select the start menu folder to store AnaRIP's shortcut



Data Collector Installation

1. Agree to the License agreement
2. Install the software (Note: You can cancel this installation and it will not affect AnaRIP)



Data Collector Adding Printers

1. Open the Data Collector Settings Application by clicking on icon (or link below)



1. <http://127.0.0.1/setting>
2. Open settings and enter information of Proxy server as needed. (This is not needed for most applications)

Network Settings

To use a proxy server, please press the button to obtain proxy server information.

Use a proxy server

Address

Port Number

If the connection needs proxy authentication, enter proxy user name and proxy password.

User Name

Password

Data Collector Adding Ri 1000

IP address may be confirmed as below on printer control panel

1. Go to the settings cog on the RICOH Ri 1000
2. Select the OPTION under the settings tab
3. Select the IP ADDRESS option in the menu dialogue box



Put IP address of Ri 1000 into the box like XXX.XXX.XXX.XXX.
(Enter IP address of the printer into XXX~)

Ri 1000 Device Address Settings

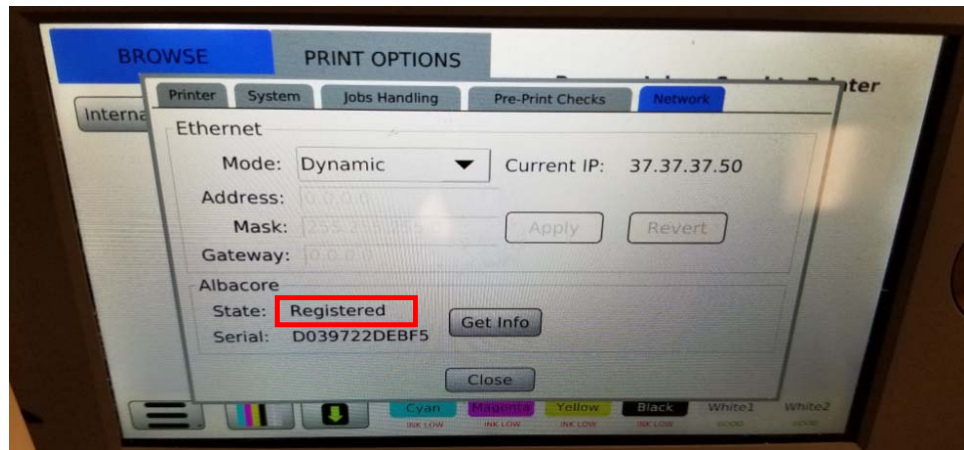
For customers using Ri 1000, please enter the IP address of the device. (Maximum 10)

Device Address 1	<input type="text" value="0.0.0.0"/>
Device Address 2	<input type="text" value="0.0.0.0"/>
Device Address 3	<input type="text" value="0.0.0.0"/>
Device Address 4	<input type="text" value="0.0.0.0"/>
Device Address 5	<input type="text" value="0.0.0.0"/>
Device Address 6	<input type="text" value="0.0.0.0"/>
Device Address 7	<input type="text" value="0.0.0.0"/>
Device Address 8	<input type="text" value="0.0.0.0"/>
Device Address 9	<input type="text" value="0.0.0.0"/>
Device Address 10	<input type="text" value="0.0.0.0"/>

Data Collector Adding Ri 3000/ Ri 6000

1. Go to the Network tab in the Settings menu verify if the printer is registered with the data collector
 1. Press Menu >> Settings >> Network

Shutdown and Reboot a printer. When a printer restarted, check that “Registered” on the page of print network on the operation panel of a printer.



When “Data Collector Module” is connected with a printer, the State shows “Registered”.

RICOH Ri 1000 Super Fine

- Added Super Fine Quality to the RICOH Ri 1000 Quality options for color printing
 - Printers in 1200 X 1200 DPI
- A. Note: Use of superfine requires the graphic used have a input profile associated with the image: If there is no profile then the output will appear oversaturated. You can select and input profile in AnaRIP if the image has none.

View: TrueView

Textile color: black

Enable ICC preview

Print Settings | Color Adjustments | White ink | Preferences

Printer

Printer name: Ri 1000 File

Platen size: Medium (12.6 x 18 in)

Quality: Super Fine

Variable dot range: Extra wide

Number of copies: 1

Bi-directional color printing

Sizing & Positioning

Scaling: 100 100

Size: 11.95 9 in

Position: 0.324 4.5 in

Rotate: Center

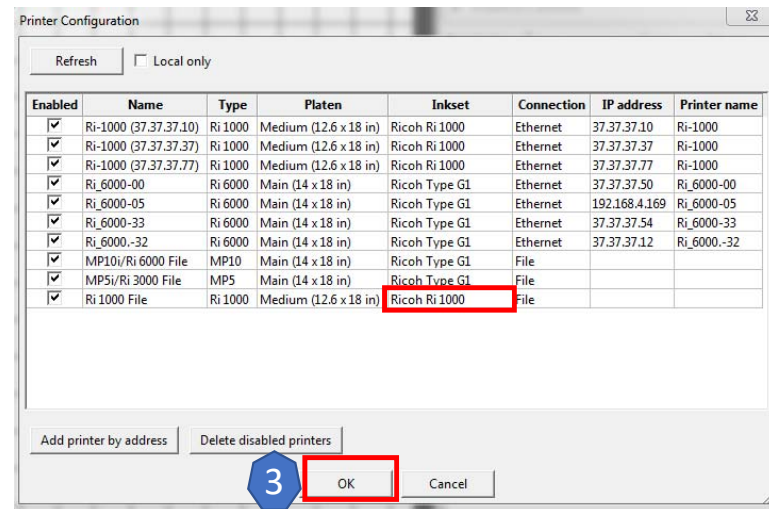
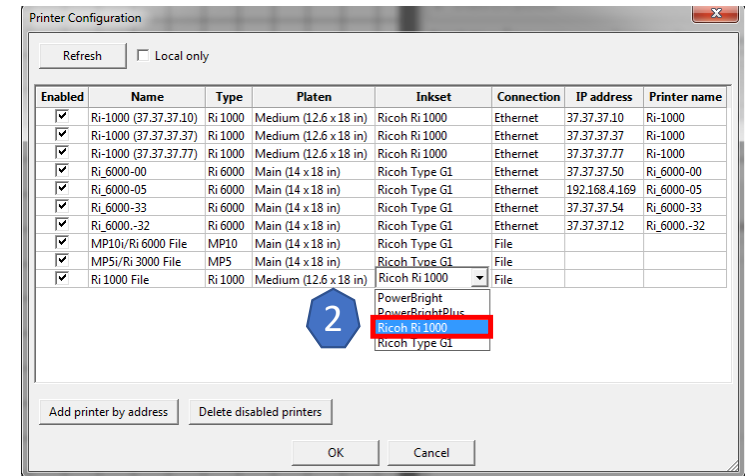
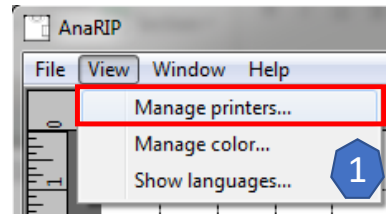
Apply

Print

Confirm Printer Inkset Ri 1000

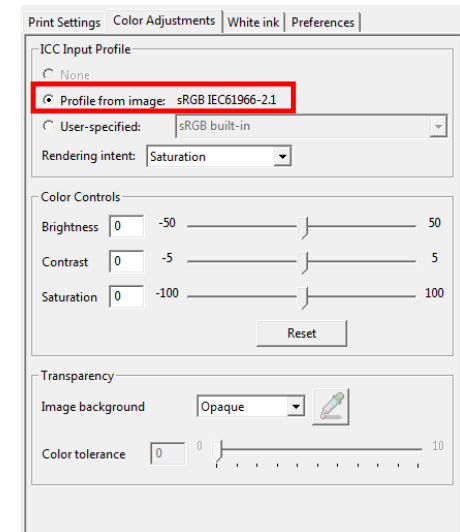
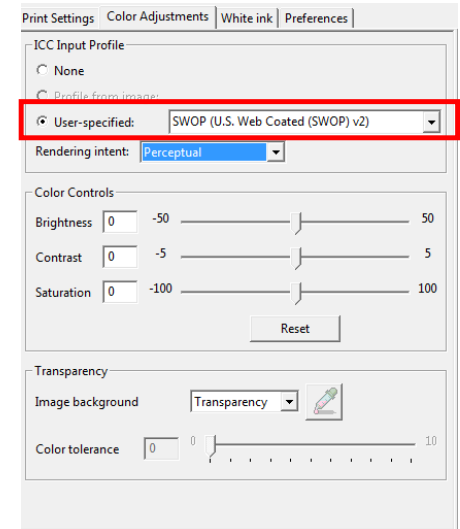
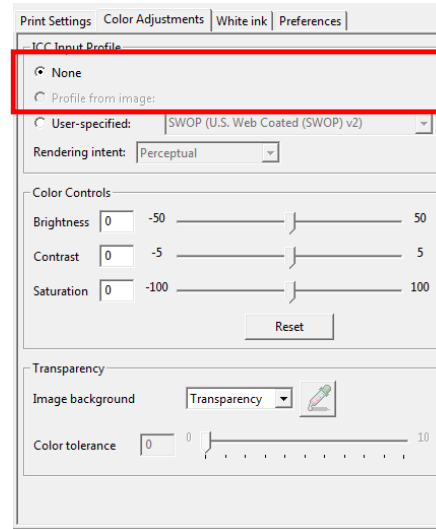
- To use Super Fine mode for the Ri 1000 the Inkset for the printer must be set to "Ricoh Ri 1000"

- To set the Inkset for the RICOH Ri 1000, got to View → Manage printers
- To change the Inkset, double-click on the Inkset for the printer to be changed and select "RICOH Ri 1000"
- Verify the Inkset has been updated and press "OK" button



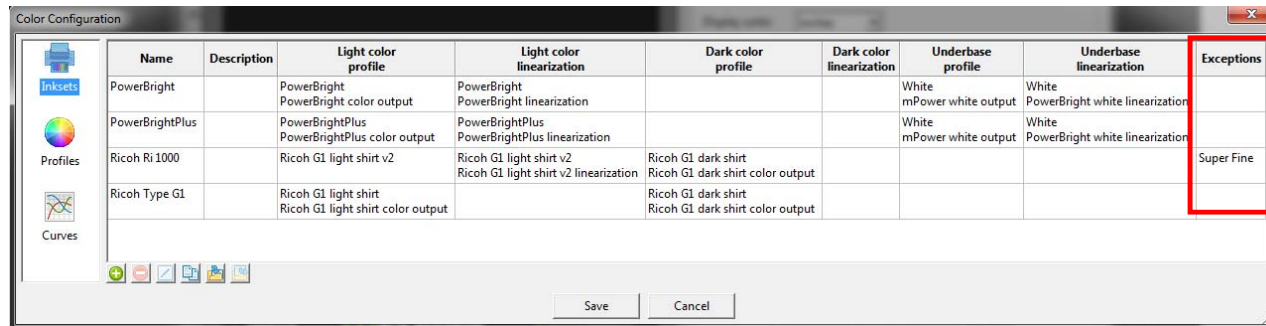
Setting Input Profile

- Images created in the CMYK color space have the option be color managed or to use a color profile.
 - If an image is not managed by a profile, “None” will be selected and “Profile from image” will empty
- Images created in RGB color space have built in color profiles
- When using Super Fine, for the RICOH Ri 1000, make sure to choose a profile under “User-specified” if the image does not have a profile.



Inkset Functions

- Quality mode exceptions has been added to allow for different color profiles for different quality modes. Window to the right shows the manage color window.
- The default has been set up to utilize the new color profile for super fine mode – there is no need to further set up the inksets
- The next slides will show you how to further customize if needed

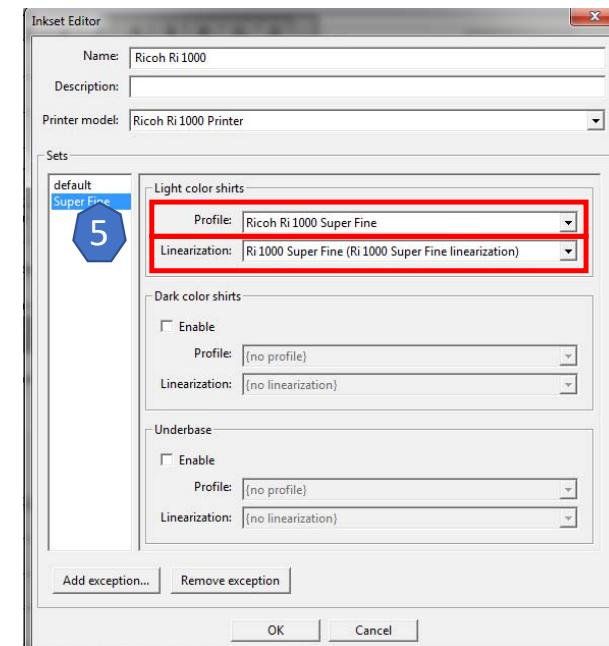
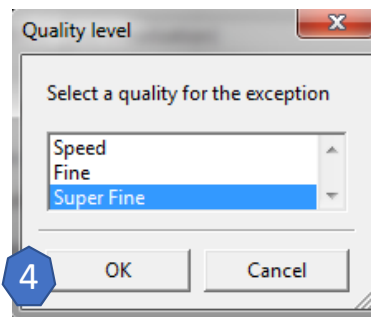
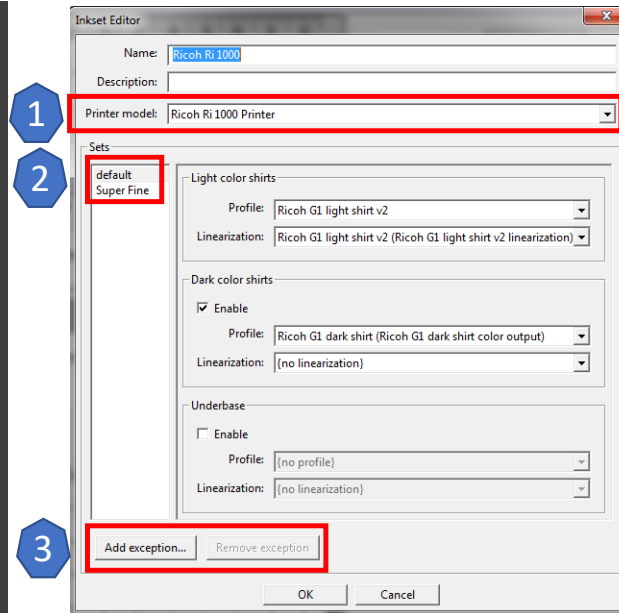


The screenshot shows a 'Color Configuration' window with a table of inkset profiles. The table has columns for Name, Description, Light color profile, Light color linearization, Dark color profile, Dark color linearization, Underbase profile, Underbase linearization, and Exceptions. The 'Exceptions' column is highlighted with a red box. The 'Super Fine' mode is listed in the Exceptions column for the Ricoh Ri 1000 profile.

Name	Description	Light color profile	Light color linearization	Dark color profile	Dark color linearization	Underbase profile	Underbase linearization	Exceptions
PowerBright	PowerBright PowerBright color output	PowerBright	PowerBright linearization			White mPower white output	White PowerBright white linearization	
PowerBrightPlus	PowerBrightPlus PowerBrightPlus color output	PowerBrightPlus	PowerBrightPlus linearization			White mPower white output	White PowerBright white linearization	
Ricoh Ri 1000	Ricoh G1 light shirt v2	Ricoh G1 light shirt v2	Ricoh G1 light shirt v2 linearization	Ricoh G1 dark shirt Ricoh G1 dark shirt color output				Super Fine
Ricoh Type G1	Ricoh G1 light shirt Ricoh G1 light shirt color output			Ricoh G1 dark shirt Ricoh G1 dark shirt color output				

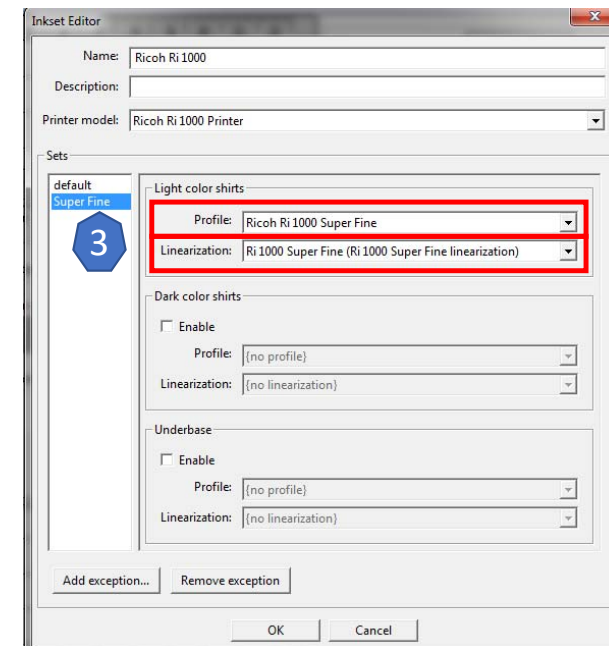
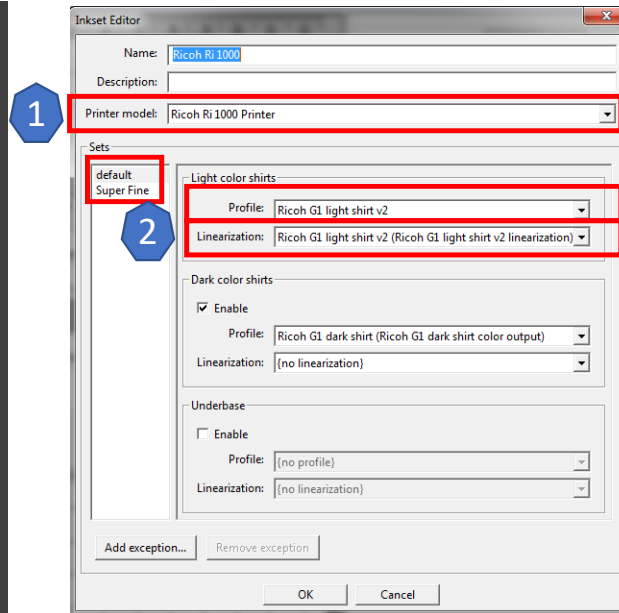
Inkset Editor

1. Inksets can now specified to applied to specific printer model or all models
2. For every inksets added there is default set and optional exception
 1. Exceptions are excluded from the default set based the pre-defined variables
3. Exceptions can be added and removed
4. Exceptions are applied to the selected quality mode chosen
5. Exceptions are applied to the printer layer specified in the exception



RICOH Ri 1000 Inkset

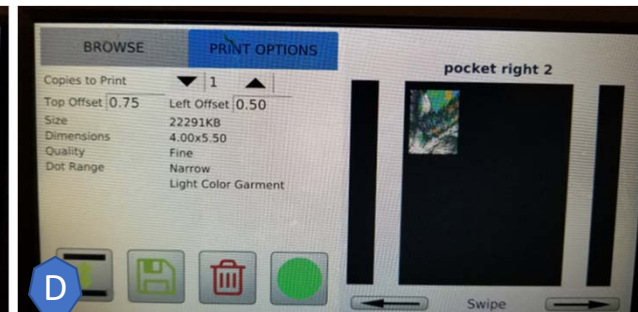
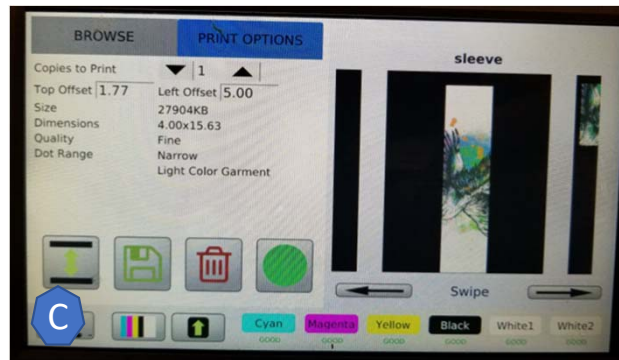
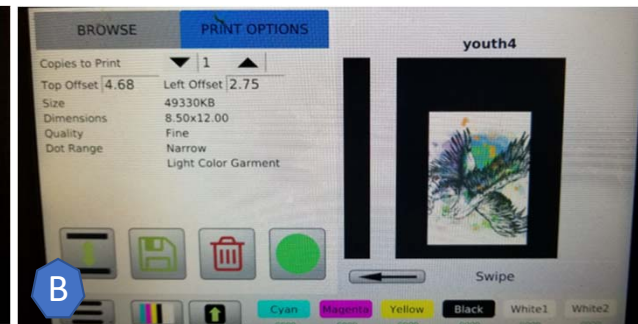
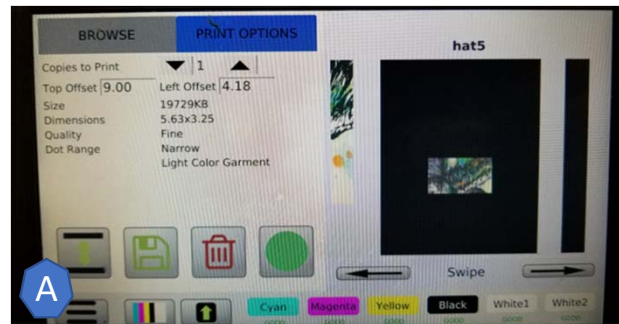
1. The RICOH Ri 1000 inkset is specific to the RICOH Ri 1000
2. The default profile and linearization curve for light shirts, fine and speed mode has been revised
3. Super fine profile and linearization curve has been added to the color layer in the super fine exception



Platen Preview Changes (Ri 3000/ Ri 6000)

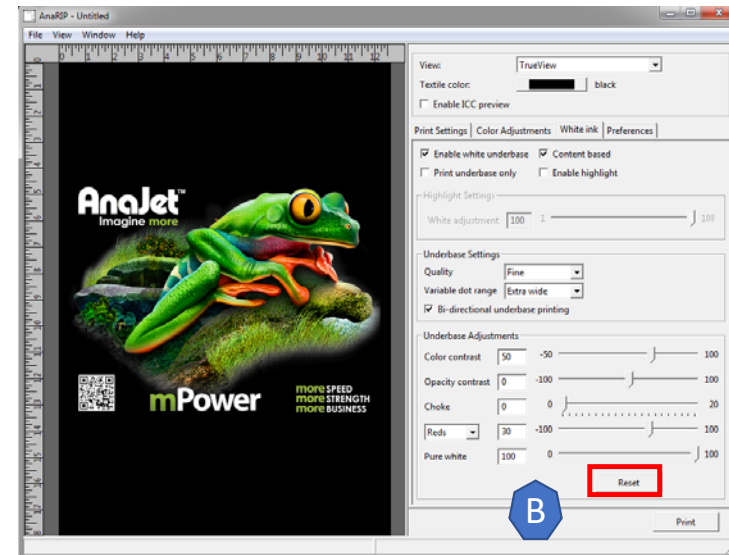
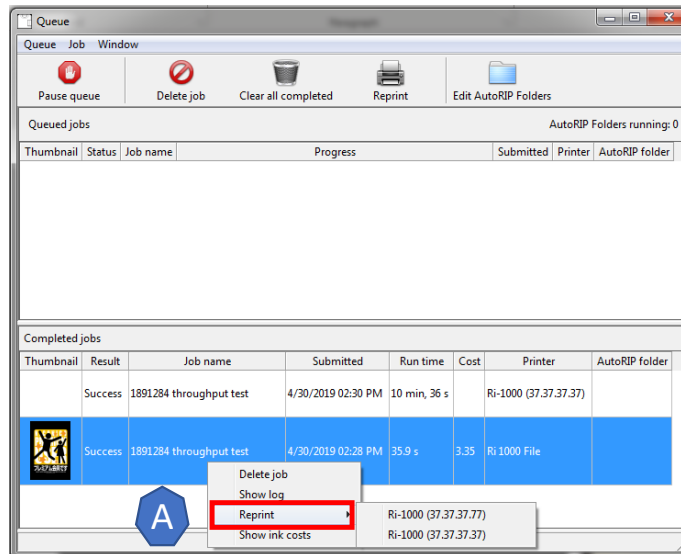
The Platen preview have changed to prevent image overlap

- A. Hat
- B. Youth
- C. Sleeve
- D. Pocket



Re-Print Bug and Underbase Reset Function Fixed

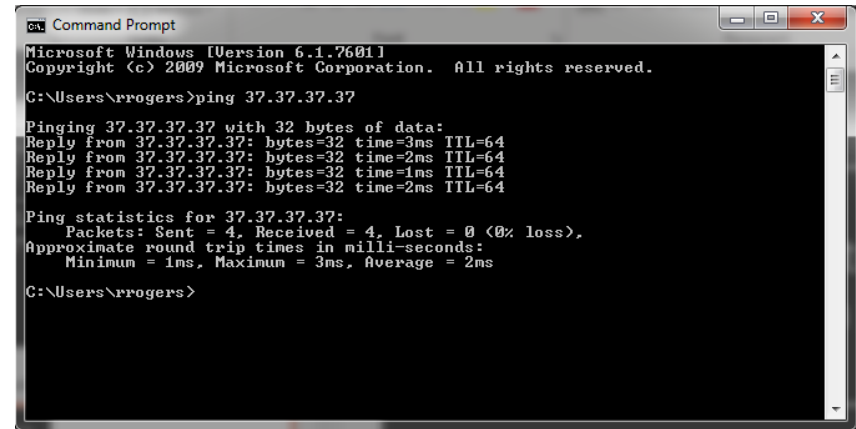
- A. Reprint function caused an error when sending job. Function has now been resolved.
- B. Underbase reset function reset fixed to reset the adjustable options



Checking Printer Connection

1. Start [Command prompt] or [MS-DOS prompt]
 2. Enter "ping XXX.XXX.XXX.XXX"
 1. Make a blank between ping and XXX~
 2. Enter IP address XXX~
- If connected successfully, reply from IP address will be appeared.
 - If disconnected, some messages such as [Request timed out] and [Destination host unreachable] will be appeared. in this instruction. And check if IP address is correct.

Successful



```
ca Command Prompt
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

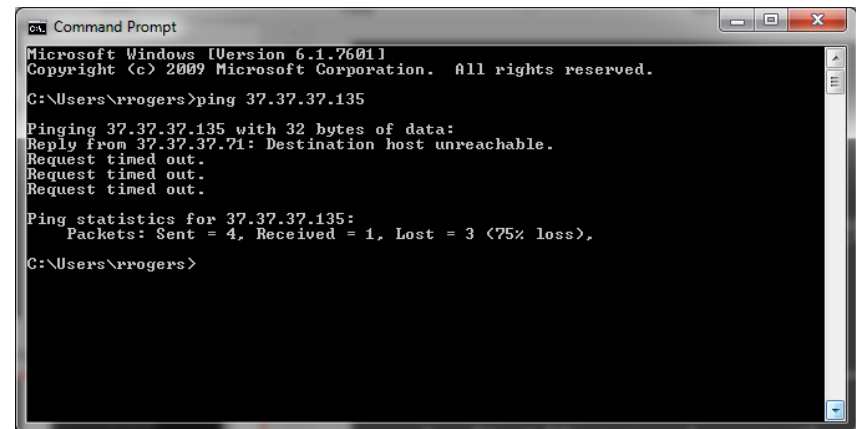
C:\Users\rrogers>ping 37.37.37.37

Pinging 37.37.37.37 with 32 bytes of data:
Reply from 37.37.37.37: bytes=32 time=3ms TTL=64
Reply from 37.37.37.37: bytes=32 time=2ms TTL=64
Reply from 37.37.37.37: bytes=32 time=1ms TTL=64
Reply from 37.37.37.37: bytes=32 time=2ms TTL=64

Ping statistics for 37.37.37.37:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 1ms, Maximum = 3ms, Average = 2ms

C:\Users\rrogers>
```

Failure



```
ca Command Prompt
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\rrogers>ping 37.37.37.135

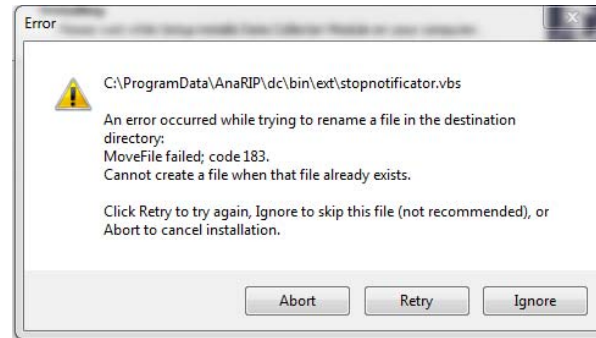
Pinging 37.37.37.135 with 32 bytes of data:
Reply from 37.37.37.71: Destination host unreachable.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 37.37.37.135:
    Packets: Sent = 4, Received = 1, Lost = 3 (75% loss),

C:\Users\rrogers>
```

Troubleshooting Data Collector Installation

- Error Code 183

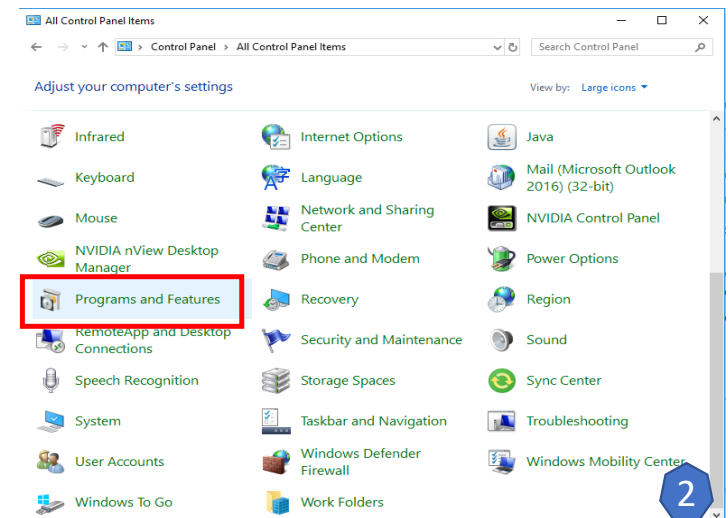
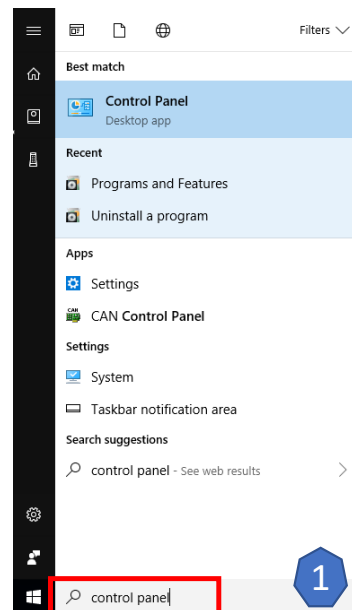


Code 183: This issue is caused by a conflict of an existing installation of the data collector

Solution: Uninstall the previous version of the Data Collector and restart host PC before installing AnaRIP

Troubleshooting Data Collector settings page won't open- pt1

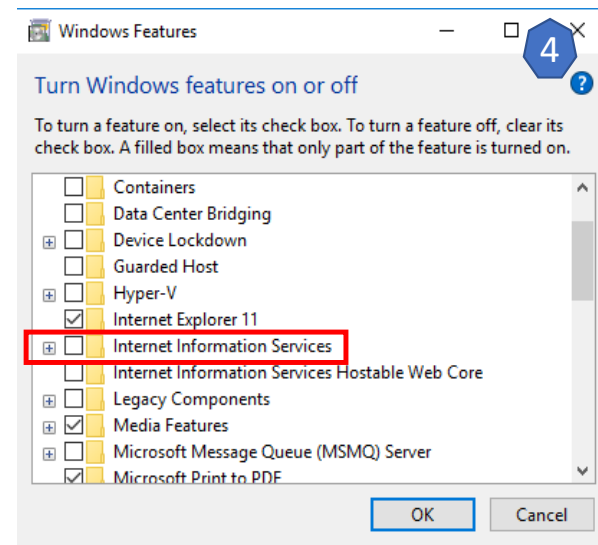
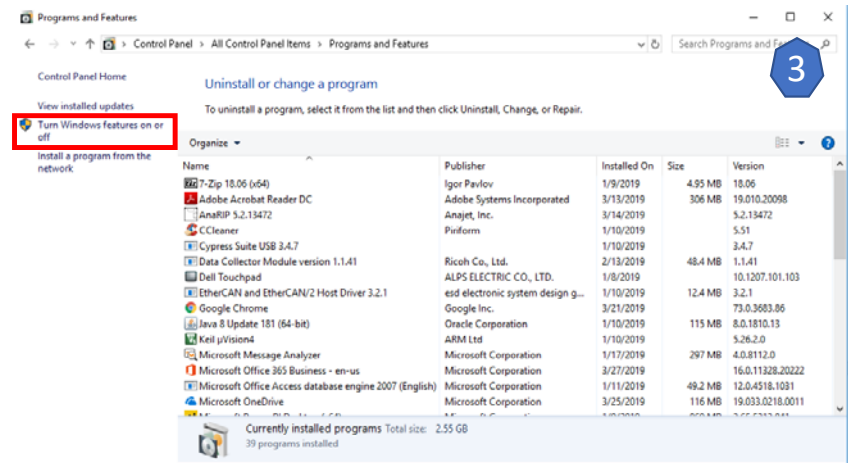
- In the case where the settings page will not open, IIS (Internet Information Service) will need to be disabled



1. Start [Control Panel].
 1. Type Control Panel in Windows search bar.
2. Select 'Programs' category.

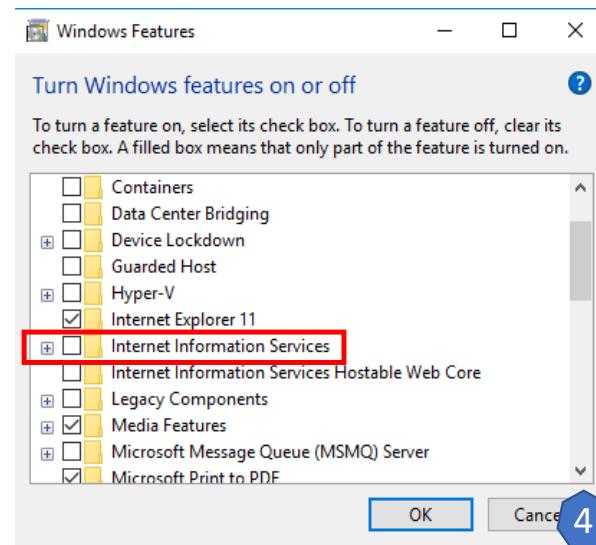
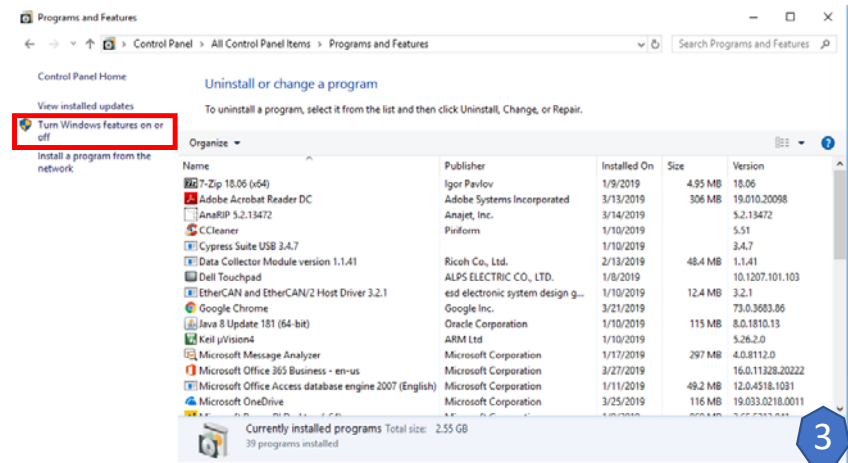
Troubleshooting Data Collector settings page won't open – pt2

3. Then, on the left-hand side you'll find "Turn Windows feature On or Off" option, please click on it.
4. Check 'Internet Information Services' radio button to turn it off.



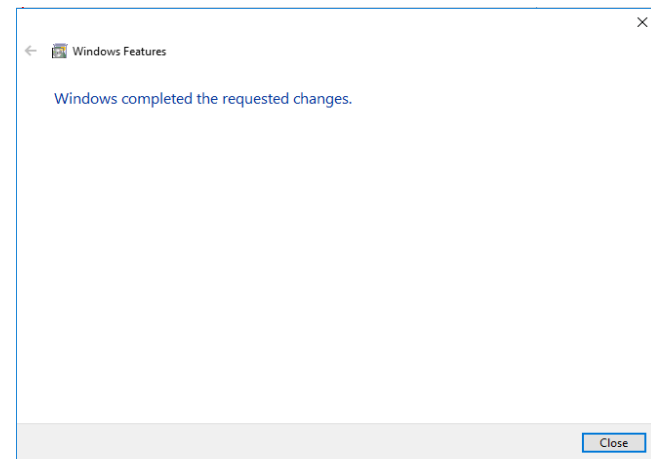
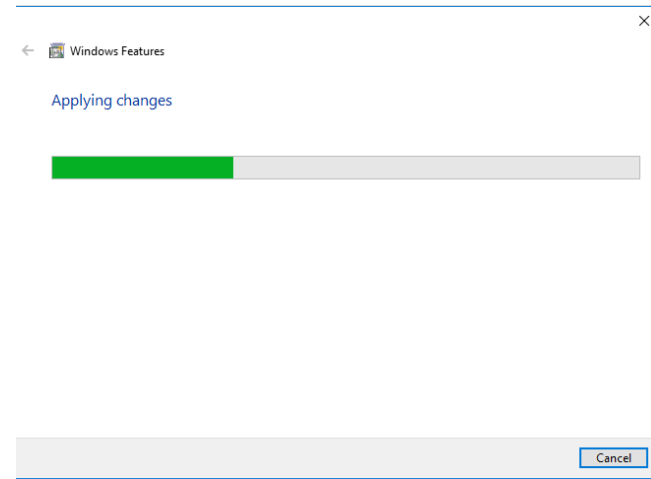
Troubleshooting Data Collector settings page won't open- pt3

3. Then, on the left-hand side you'll find "Turn Windows feature On or Off" option, please click on it.
4. Check 'Internet Information Services' radio button to turn it off.
5. Click on "OK" to disable IIS.



Troubleshooting Data Collector settings page won't open

6. Wait for a while until the changes are applied, Click on "Close" button
7. Try open the setting page again



Troubleshooting Data Collector Port 80 or port 50001- pt1

- Port 80 and 50001 are the ports used by the Data Collector. When port 80 or port 50001 is used, a conflict may occur and the data collector may not be used.
- If a conflict occurs check to see what software is currently using port 80

First, Check the following procedure to know if port 80 or 50001 is used.(The following is for port 80.)

1. Start [Command prompt] Type “netstat -nao”. (This command will show all listening ports.)
2. Look for the application using port 80. (Number after “ : ” of “Local Address” is port number.)
3. Then, Check if “State” column is “LISTENING” at the row of port number 80. This means port 80 is used. (Refer to picture below.)

```
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\rrogers>netstat -nao

Active Connections

Proto Local Address           Foreign Address         State       PID
TCP    0.0.0.0:80              0.0.0.0:0               LISTENING   2532
TCP    0.0.0.0:135            0.0.0.0:0               LISTENING   460
TCP    0.0.0.0:445            0.0.0.0:0               LISTENING   4
TCP    0.0.0.0:1947           0.0.0.0:0               LISTENING   3584
TCP    0.0.0.0:2464           0.0.0.0:0               LISTENING   8460
TCP    0.0.0.0:2869           0.0.0.0:0               LISTENING   4
TCP    0.0.0.0:3389           0.0.0.0:0               LISTENING   1556
TCP    0.0.0.0:5454           0.0.0.0:0               LISTENING   4124
TCP    0.0.0.0:8112           0.0.0.0:0               LISTENING   1992
TCP    0.0.0.0:41380          0.0.0.0:0               LISTENING   2112
TCP    0.0.0.0:49152          0.0.0.0:0               LISTENING   680
TCP    0.0.0.0:49153          0.0.0.0:0               LISTENING   660
TCP    0.0.0.0:49154          0.0.0.0:0               LISTENING   1116
TCP    0.0.0.0:49173          0.0.0.0:0               LISTENING   780
TCP    0.0.0.0:49285          0.0.0.0:0               LISTENING   752
TCP    0.0.0.0:49295          0.0.0.0:0               LISTENING   6432
TCP    0.0.0.0:49537          0.0.0.0:0               LISTENING   3044
```

The case of port 80 is used

Troubleshooting Data Collector Port 80 or Port 50001- pt2

- If Port 80 or Port 50001 is in use, verify the process using the port(s)
- *You may uninstall the application that uses Port80 or 50001 if there are no problems to uninstall it.
- *If there is no application that uses Port 80 or 50001, please call the tech support.

First, Check the Previous procedure to know if port 80 or 50001 is used.(The following is for port 80.), If the port is in use, check the following procedure

1. Start [Command prompt]
2. Type “tasklist”. (This command will show all active services.)
3. Look for the application using “PID” number seen using the netstat command.
4. Then, Check if “Image name” column to know which application to disable for use

```
C:\Users\rrogers>tasklist
```

Image Name	PID	Session Name	Session#	Mem Usage
svchost.exe	1848	Services	0	15,148 K
svchost.exe	1888	Services	0	17,432 K
Act_Server.Host.exe	1992	Services	0	25,720 K
armsvc.exe	1656	Services	0	4,260 K
AGMSvc.exe	1668	Services	0	6,520 K
AGSSvc.exe	1168	Services	0	8,776 K
CAMSvc.exe	2084	Services	0	18,580 K
CnxDIAS.exe	2112	Services	0	8,292 K
OfficeClickToRun.exe	2180	Services	0	44,868 K
nssm.exe	2256	Services	0	5,204 K
svchost.exe	2300	Services	0	13,700 K
DroidExplorer.Service.exe	2332	Services	0	28,684 K
cmd.exe	2388	Services	0	3,392 K
svchost.exe	2400	Services	0	3,360 K
javaw.exe	2532	Services	0	176,288 K
psnbservice.exe	3116	Services	0	75,748 K
EvtEng.exe	3516	Services	0	15,812 K
hasplms.exe	3584	Services	0	19,088 K
MSOIDSUC.EXE	1600	Services	0	8,940 K
MSOIDSUCM.EXE	192	Services	0	4,384 K
sqlservr.exe	3044	Services	0	78,224 K
NortonSecurity.exe	3148	Services	0	30,528 K
PMBDeviceInfoProvider.exe	2848	Services	0	4,936 K
PsiService_2.exe	3016	Services	0	3,936 K
redcloak.exe	3140	Services	0	6,144 K

The application using Port 80, PID 2352

Reset Printer Info File AnaRIP

- If the Inkset's for the printers listed under the Printer Configuration screen fails to save the adjusted Inksets, reset the PrinterInfo file

1. To reset the PrinterInfo file, go to Help → Reset AnaRIP
2. Select PrinterInfo and press "OK"
3. Refresh the printers available by going to View → manage printers
4. Press the "Refresh" button in the Printer Configuration menu

