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GlobalScan NX Image Log Capture Plug-in
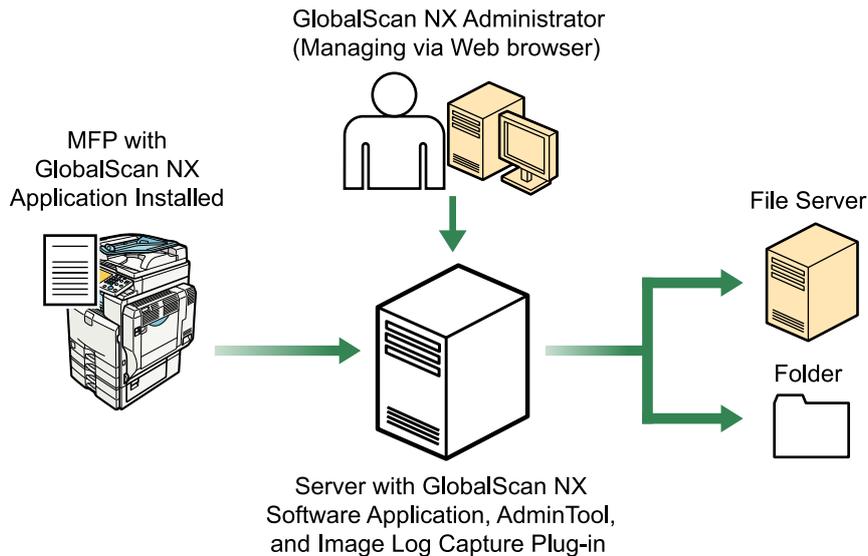## Administrator's Guide

GlobalScan NX Image Log Capture Plug-in is a plug-in service that obtains image data processed through a multifunction printer (MFP) and the scanning feature of GlobalScan NX as image logs.

Image logs can be obtained for each MFP operational application.

Image logs can be obtained with metadata (XML information).

Obtained image logs can be distributed to various destinations according to the projects specified using the standard feature of GlobalScan NX.

The Capture Plug-in service is available only in GlobalScan NX Server Edition. (It is not available in GlobalScan NX Serverless Edition.)

Fig. 1: GlobalScan NX Image Log Capture Plug-in

Note

• This manual explains the configuration procedures for the Image Log Capture Plug-in. For details about Administrator Settings and Service/Filter Settings, see *GSNX Administrator's Guide*.

Introduction

This manual contains detailed instructions and notes on the operation and use of this product. For your safety and benefit, read this manual carefully before using the product. Keep this manual in a handy place for quick reference.

Important

• Some illustrations or explanations in this guide may differ from your product due to improvement or change in the product.
• The contents of this document are subject to change without notice.
• No part of this document may be duplicated, replicated, reproduced in any form, modified or quoted without prior consent of the supplier.
• It is possible that any document or data stored in the computer will be damaged or lost by user error during operation or software error. Be sure to back up of all important data beforehand. Important documents and data should always be copied or backed up. Documents and data can be lost because of malfunction or human error. Furthermore, the customer is responsible for protection measures against computer viruses, worms, and other harmful software.
• Do not remove or insert any disk while operating this software.

Trademarks

Before You Begin

Abbreviations

The following abbreviations are used in this guide to shorten content.

Product / Name	Abbreviation
GlobalScan NX	GSNX
Multifunctional Device	MFP, Device
GlobalScan NX Image Log Capture Plug-in	Image Log Capture Plug-in

System Requirements

< Compatible version >
  GSNX Server Edition V2.1.1.0 or later
< System requirements for obtaining image logs >
1. The following list shows the system requirements for obtaining MFP application image logs (Copier, Scanner, Printer, and Fax Transmission):
   - Capture-compatible MFP
   - File Format Converter
   - GSNX server
   - Image Log Capture Plug-in
     GSNX MFP Software and a VM card are not necessary to obtain image logs of MFP applications.
2. The following list shows the system requirements for obtaining image logs of the scanning feature of GSNX:
   - Capture compatible MFP
   - File Format Converter
   - VM Card
   - GSNX MFP Software
   - GSNX server
   - Image Log Capture Plug-in
     GSNX MFP Software is necessary to obtain image logs of the scanning feature of GSNX.

🔽 Note

- For data captured using an MFP application, scanning is performed using MFP scanner function (not using GSNX).
- For data captured using the scanning feature of GSNX, scanning is performed using GSNX after GSNX has been installed.

Installing Image Log Capture Plug-in

Step 1: Pre-Installation Procedure

To log in to AdminTool, you must use either a Built-in Administrator account (specified during the installation of AdminTool) or an Administrator account (specified beforehand using AdminTool).

1. Open your Web browser.

2. Enter the AdminTool URL.
   http://*IP address*:8080/gsnx/

3. Press [**ENTER**] or click [**Go**].
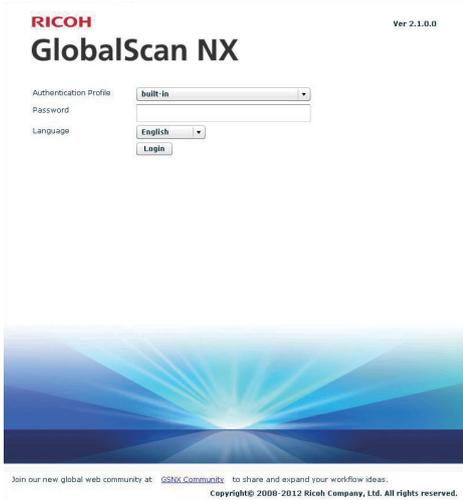   The AdminTool Login Page appears

Fig. 2: AdminTool Login Page
The image above is version 2.1.0.0.

4. Select an authentication profile and enter the corresponding password.

5. Select a language from the drop-down list.

6. Click [**Login**].
   The AdminTool Home Page appears.
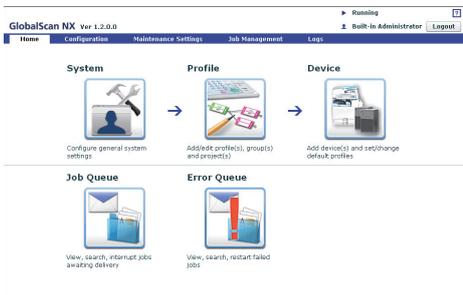
7. Click [**Maintenance Settings**].

Fig. 3: AdminTool Home Page
The image above is version 1.2.0.0.

8. Click [**System Control**].

9. Click [**Switch Delivery Service Status**] to switch the GSNX server status from [**Running**] to [**Suspended**].

   ⬇ Note
   • To update the "Delivery Service Status", click [**Refresh**], next to "Delivery Service Status"

10. Click [**Yes**].

11. Click [**Logout**] to log out of AdminTool.

Step 2: Installation

1. Close all applications currently running on the GSNX server.

2. Double-click GSLaunch.exe.
   The GlobalScan NX Image Log Capture Plug-in Setup dialog box appears.

3. Click [**Image Log Capture Plug-in**].
   The Welcome window appears.

4. Click [**Next**].

5. Read the licensing agreement, and then select "I accept…".

6. Click [**Next**].

   ⬇ Note
   • The folder where GSNX is installed is automatically selected as the location for the plug-in's installation files.

7. Click [**Next**].
   Installation starts.

8. Click [**Finish**].
   When a message prompting you to restart the computer appears, click [**OK**]. This will complete the installation.

9. Activate the Image Log Capture Plug-in.

   ⬇ Note
   • To activate the plug-in, select its name under [License Name] in the GlobalScan NX Activation Tool. For details about how to activate the Image Log Capture Plug-in, see *GSNX Installation Guide*.

Uninstalling the Image Log Capture Plug-in

To uninstall the plug-in, in Windows [Control Panel], click [Uninstall a Program] or [Programs and Features].

⭐ Important
• Before uninstalling the plug-in, be sure to deactivate it. Note that deactivating the plug-in will also deactivate the licenses of GlobalScan NX, its optional software, and other plug-ins. For details about uninstalling and deactivation, see GSNX Installation Guide.

Capture Setting Tool Configuration

(1) Logging in to Capture Setting Tool

1. Log in as a user with administrator account rights.

   If the login is successful, the I/O Device(s) List dialog box is displayed.

   If the login is unsuccessful

| Error Message	Cause/Countermeasure
"Authentication has failed."	Check the authentication profile and login user.
"The logged in user does not have administrator rights."	Check if the logged-in user has administrator account rights.
"Cannot access to the server because another administrator is already connected to it."	If you are logged in to GSNX AdminTool, you must log out. Alternatively, restart the GSNX service.
"Cannot access to the server."	GSNX server is suspended. Activate the GSNX server.

🔽 Note

- You cannot log into GSNX AdminTool while logged in to Capture Setting Tool.
- You can select setting options for "Authentication Profile:" from the following authentication methods available in GSNX AdminTool:
    Built-in Active Directory Authentication, LDAP Authentication
  The following authentication methods are not available:
    Passwordless Authentication (Active Directory), Passwordless Authentication (LDAP)
- "User Name:" and "Domain Name:" are displayed only if you have selected an authentication method requiring those entries.

(2) Adding an I/O Device

1. Logging in to Capture Setting Tool displays the I/O Device(s) List dialog box.
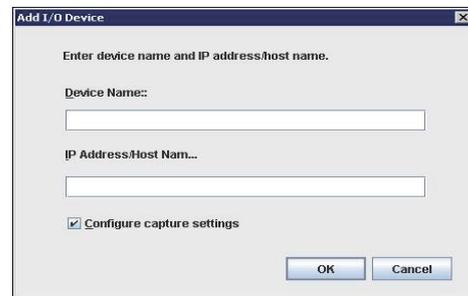
   Click [**Add**].
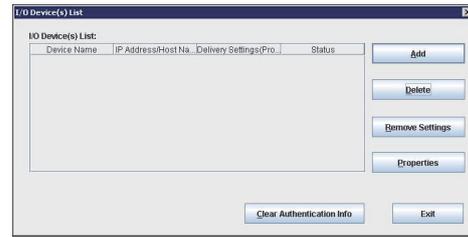
2. The Add I/O Device dialog box is displayed.

   In "Device Name::", enter the name of an MFP through which data is captured (optional), and an IP address/host name in "IP Address/Host Name" (mandatory).

   You will be asked to specify capture settings later in this procedure. Confirm that "Configure capture settings" is selected.

   Enter necessary items and click [**OK**].

🔽 Note

- If you want to register a device name without specifying the capture settings, clear the "Configure capture settings" check box and click [**OK**]. Then the display goes back to the I/O Device(s) List dialog box.

If an error occurs when adding an I/O device

| Error Message	Cause/Countermeasure
"Specified device is already added."	The device you have specified is already registered. To change the device, change the existing setting, or clear the device and add a new device.
"Some of the I/O device(s) is not supported."	The device you have specified does not support this capture function.

3. The I/O Device(s) Login dialog box is displayed.

   Enter a login user name and password for the MFP through which data is captured.

   If you continue to use this user name to specify capture settings, check "Use this user name and password for future login."

   Specify necessary settings and click [**OK**].

   🔽 **Note**

   - Only one user name and corresponding password can be maintained in Capture Setting Tool.
   - Once Capture Setting Tool is closed, the user name and password are cleared.
   - If you want to clear the user name and password, click [**Clear Authentication Info.**] on the I/O Device(s) List dialog box.

4. The I/O Device(s) Properties dialog box is displayed.

   Enter a device name in "Device Name::" and also enter a default user name for the device through which data is captured in "Default user:" (optional).
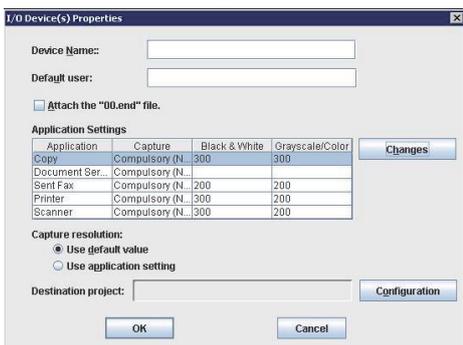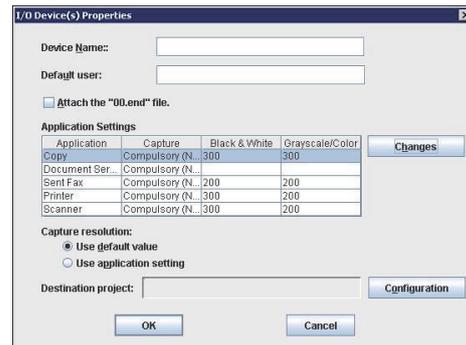

   🔽 **Note**

   - If you perform capture delivery with "Attach the "00.end" file." check box selected and add PDF Converter Filter to the Delivery Flow, when the password setting such as [Assign a User Password] and [Assign a Master Password] for PDF Converter Filter is set to "Yes", an error will occur at the delivery. To perform capture delivery in above situation, set [Assign a User Password] and [Assign a Master Password] to "No".
   - If you perform capture delivery with "Attach the "00.end" file." check box selected and add Image Correction Filter to the Delivery Flow, an error will occur at the delivery.
   - If you have entered a device name in "Device Name::" in Step 2, the same name is used in "Device Name::" in Step 4.
   - The following shows the default value of "Default user:".
     - If the user name for the I/O device is not set, "Default user" is blank.
     - If you register only one device, the first user name found in the application such as printer or scanner will be the default value for "Default user".
     - If you register multiple devices, the user name of the first device found among devices will be the default value for "Default user".

5. On the I/O Device(s) Properties dialog box, select "Capture resolution:"

   If you select "Use default value", all applications will use the default resolution setting of the corresponding device.

   🔽 **Note**

   - Selecting "Use default value" does not affect the display of resolutions with values specified in "Use application setting."
   - The capture setting for data scanned through the GSNX application uses the setting of the Scanner application.
   - It is not possible to specify different settings of the Scanner application of the device and the scanning feature of GSNX.

6. Specify settings for each application.

   Select the row of an application you want and click [**Changes**].

   Alternatively, double-click the row.
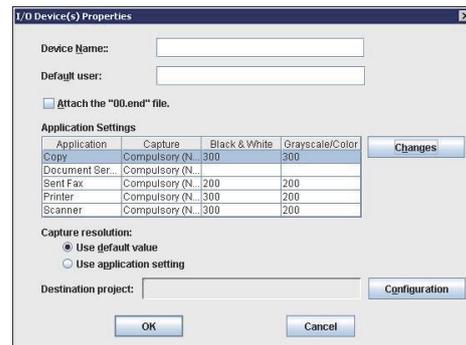
   🔽 **Note**

   - Depending on the machine type, you might not be able to change the resolution settings. In that case, the resolution value is the one specified on MFP which you are using. For details about the resolution, see the MFP manual.
   - Capture resolution is displayed for each application on machines that support the capture resolution setting.
   - If you select "Use default value" for "Capture resolution:", you will select whether to perform capturing but do not need to specify resolution.
   - If you select "Use default value" for "Capture resolution:", the resolution specified on MFP is used. For details about resolution settings on MFP, see the MFP manual.
   - If you select "Use application setting" for "Capture resolution:", the resolution settings specified in "Use application setting" are used.

7. The Capture Settings dialog box is displayed. Select values for "Capture:" and "Capture resolution".

   After selecting the items, click [**OK**]. The I/O Device(s) Properties dialog box will then appear.
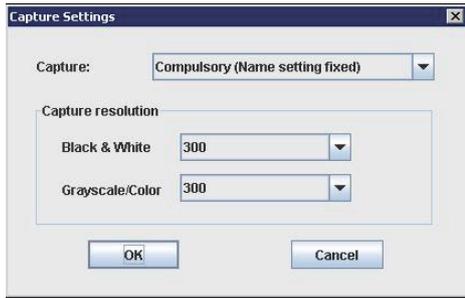
   ↓Note

   • Only "Compulsory (Name setting fixed)" can be selected as a capture method when capturing is set to be performed.

     All documents processed by corresponding applications are captured. You cannot select a user through the operation panel. Instead, the default user or authentication user is used. The user names specified in the drivers are used for the internet FAX Transmission and Printer applications.

   • For devices not supporting the capture resolution setting, the value of resolution is blank.

   • The capture resolution setting becomes effective only when "Capture resolution:" is set to "Use application setting", as shown in Step 6.

   • For devices supporting the capture resolution setting, capture resolution is displayed for each application of the corresponding devices.

   • Capture resolution of the Document Server application complies with that of the Copy application.

8. On the I/O Device(s) Properties dialog box, click [**Configuration**] for "Destination project:"
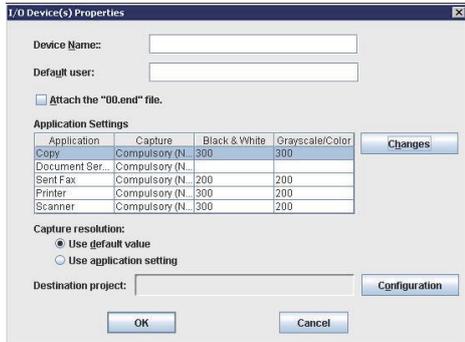
9. The Select Destination Project dialog box is displayed.

   Select a project for distributing capture data, and then click [**OK**].

   If an error occurs when specifying a destination project

Error Message	Cause/Countermeasure
"Unable to connect to the server."	Check if the GSNX service has started.
"Profile not found"	Check if there is a project with One-touch Scan specified.

10. Click [**OK**] on the I/O Device(s) Properties dialog box.
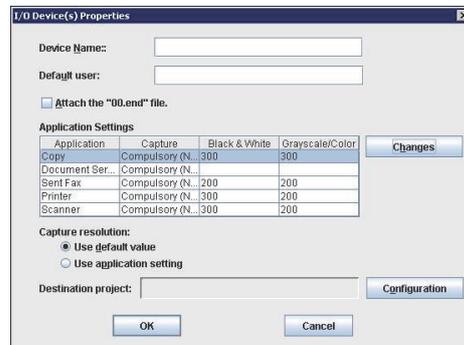
11. The Result dialog box appears and the IP address and the name of the specified I/O device are displayed under "Succeeded." Click [**OK**].
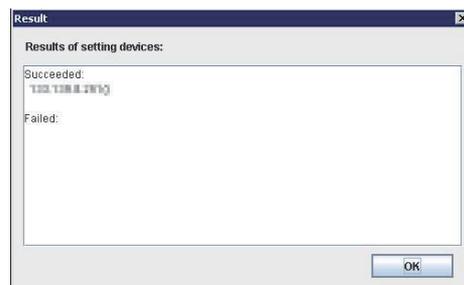
    The device properties are set according to the settings specified, and the I/O Device(s) List dialog box will then appear.

12. Confirm that the registered device information is displayed under "I/O Device(s) List:" and "Set" is displayed for "Status".
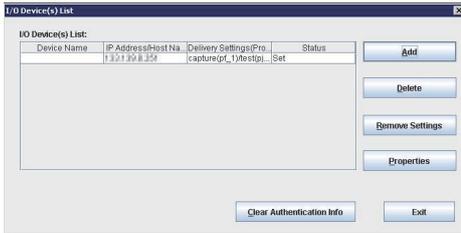
- The following conditions must be met to obtain information of multiple fax/scanner destinations:
  - The MFP is a 2008 autumn or newer model.
  - The "Logs/Collect Job Logs" setting of the MFP is set to "Active" and "Collect" is selected for logs of corresponding applications.
- Follow the procedure below to specify settings for log collection.
  1. Enter "http://(the MFP's IP address)" in the address bar of a Web browser to open Web Image Monitor.
  2. Click [**Login**] and enter a user name and password in "Login User Name" and "Login Password". Then Click [**Login**].
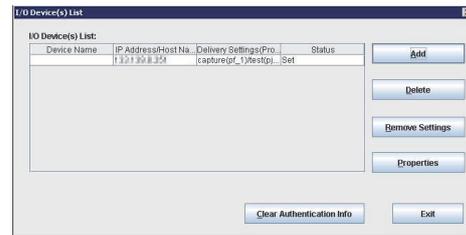 3. Click [**Configuration**] and [**Logs**]. Select "Active" for "Collect Job Logs" and click [**OK**].

(3) Changing the I/O Device Setting

You can change the setting of registered capture-supporting devices on the I/O Device(s) List dialog box.

Set I/O Device List:

Displays the list of registered devices.

Double-click the device you want to display the setting properties.

Status display

- "Set" is displayed when the setting is complete and ready to capture.
- "Not Set" is displayed when the setting is not specified or not intended to perform capturing.

Create

Adds a device through which data is captured on the list.

See p. 5 "(2) Adding an I/O Device".

If an error occurs when adding a new device

Error Message	Cause/Countermeasure
"This software can only manage up to 100 I/O devices. No more I/O devices can be added."	It is not possible to register more than 100 devices.

Delete Device(s)

Deletes registered devices from the list.

1. On the I/O Device(s) List dialog box, select a device and click [**Delete**]. To select multiple devices, press and hold the Ctrl key while selecting the devices.
2. Click [**OK**] on the confirmation dialog box.
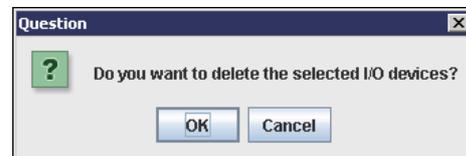
When the login to the I/O device(s) is successful, a dialog box is displayed asking for a confirmation to delete stored documents.

3. If you want to delete the unsent captured documents stored in the I/O device(s), click [**OK**]. If you do not want to delete the documents, reset the I/O device settings to restart the transfer of the stored documents.

🔻Note

- Some machine types do not support the function of deleting stored documents.

  If you have selected a machine type not supporting this function, the confirmation dialog box shown above is not displayed and unsent captured documents are stored on the HDD of the MFP. Reset the I/O device settings to restart the transfer of the stored documents.

After the confirmation, results are displayed under "Results of deleting devices:".

4. Confirm the results and click [**OK**].

The devices selected on the I/O Device(s) List dialog box are deleted.

Remove Settings

Cancels the setting of a device.

1. Select a device whose "Status" is displayed as "Set" and click [**Remove Settings**].

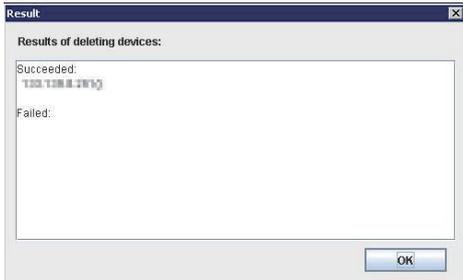   To select multiple devices, press and hold the Ctrl key while selecting the devices.

2. Click [**OK**] on the confirmation dialog box.

When the login to the I/O devices is successful, a screen is displayed asking for a confirmation to delete stored documents.


3. If you want to delete the unsent captured documents stored in the I/O devices, click [**OK**]. If you do not want to delete the documents, reset the I/O device settings to restart the transfer of the stored documents.

🔻Note

- Some machine types do not support the function of deleting stored documents.

  If you have selected a machine type not supporting this function, the confirmation dialog box shown above is not displayed and unsent captured documents are stored on the HDD of the MFP. Reset the I/O device settings to restart the transfer of the stored documents.

After the confirmation, results are displayed under "Results of removing settings:".
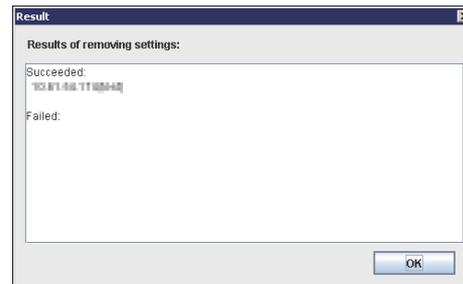
4. Confirm the results and click [**OK**].

"Status" for the devices selected on the I/O Device(s) List dialog box is changed to "Not Set."

🔻Note

- [**Remove Settings**] means to suspend the capture operation of the selected devices.

  This does not delete the items specified in the Properties.

  To restart the capturing operation, check the settings in the Properties and click [**OK**].

Properties

Specifies capture settings for registered devices.

Select a device from the I/O Device List and click [**Properties**]. To select multiple devices, press and hold the Ctrl key while selecting the devices.

When the login to the I/O device(s) is successful, the I/O Device(s) Properties dialog box is displayed. Enter or select items you want to change or specify, click [**OK**].

See Step 4 and later steps in p. 5 "(2) Adding an I/O Device" for information of each item.
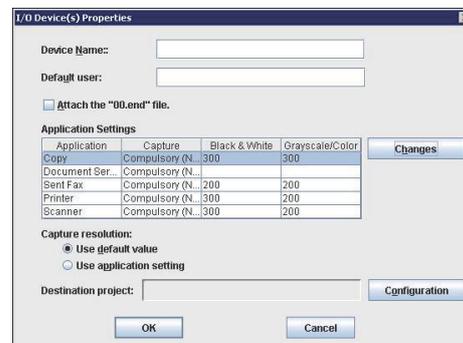
🔻Note

- Specifying properties settings of multiple devices for different machine types may not bring the same setting result for all machine types since resolution conversion differs depending on the machine type.
  Specify settings of multiple devices for the same machine type.

Operation Check

(1) Checking Operation

1. Operate an application through which data is captured.

2. Confirm that the image data is distributed to the specified destination.

(1) Checking Operation

Detailed Specifications

Functions to Be Added

Installing Image Log Capture Plug-in adds the following functions:
*   Capture Setting Tool
*   Capture job log screen (GSNX AdminTool)

Application to Be Captured

Application (Feature)	Capture	Remarks
Copy	Possible	
Storing to Document Server	Possible	
Scanner	Possible	• When registering I/O devices, buttons for file format/ High Compression PDF are grayed out and disabled. • Scanning by Twain is not available for capture. • Scan To Media is available for capture.
Printer	Possible	• Media print is available for capture. • PDF Direct print is not available for capture.
FAX Transmission	Possible	• When registering I/O devices, Direct Fax is grayed out and disabled. • Inbound Fax and Fax Transmit are not supported.
Scanner using GSNX	Possible	• Inbound Fax will be captured without Image Log Capture Plug-in. • HotFolder Plug-in is not supported.

Specifying Capture Resolution

There are two ways of specifying capture resolution:

Capture-supporting device

GlobalScan NX server

File server and other destinations

Capture log

Capture log

Resolution setting using
Capture Setting Tool

Resolution conversion function
of Image Correction Filter
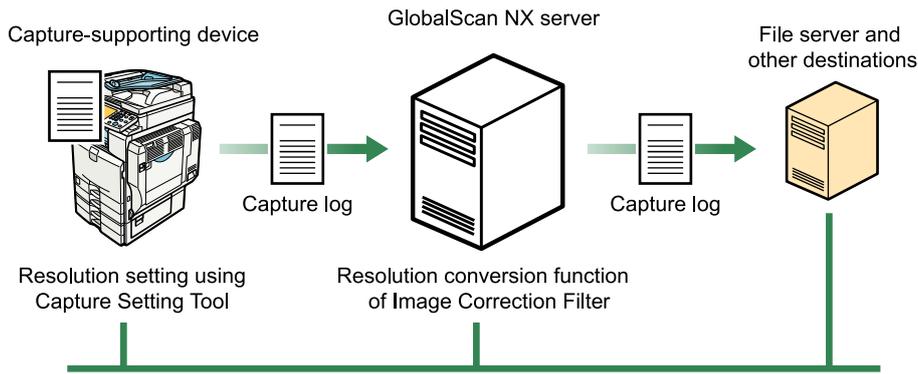
CSE014

1. Specifying capture resolution using Capture Setting Tool

   • Image data are processed at the resolution specified in Capture Setting Tool and transferred to the GSNX server.
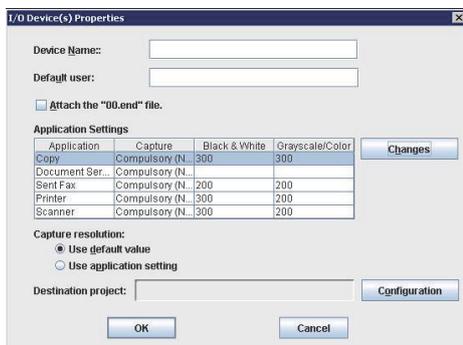
Using Capture Setting Tool, you can specify resolution of image data transferred from the I/O device.

The resolution is changed before being transferred to the GSNX server, reducing the load on network and the server.

There are two ways of changing resolution:

• Use Default Value

   Image data processed through the Printer, Scanner and FAX applications is captured at the resolution specified on the machine by the user. Image data processed through the Copy application is captured at the resolution according to the default value of the device.

• Use Application Settings

   Image data is captured at the resolution selected in Capture Setting Tool.

   The devices compatible with resolution conversion differ for each application depending on when the device is launched.

2. Using the resolution conversion function of Image Correction Filter in GSNX AdminTool

• Image data resolution is converted in the GSNX server and distributed to the destinations.
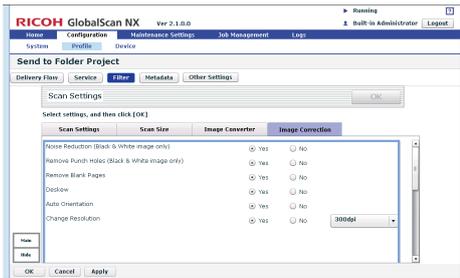
You can specify GSNX AdminTool to convert the resolution on the GSNX server. This reduces the load on network and data capacity.

To use the resolution conversion function, install Image Correction Filter to the delivery flow used for the capturing feature.

Installing Image Log Capture Plug-in adds the "Change Resolution" setting to Image Correction Filter, enabling to lower resolution of captured image data.

Available resolutions are 100 dpi, 200 dpi, 300 dpi, 400 dpi, and 600 dpi. Image data cannot be converted from a lower resolution to a higher resolution.

Viewing Capture Logs

Under the Job Management view of GSNX AdminTool, the capture tab is added and capture logs are displayed under the tab.
Job logs, regardless of processed application, are displayed on the same job log view with scan logs and fax logs.
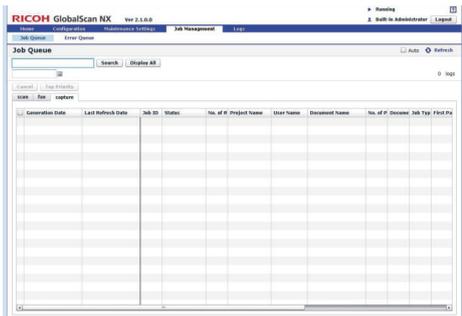
On the job log view and the Job Management view, items displayed for capture logs are the same as ones displayed for scan and fax logs.
See the following table for contents of each item displayed for capture logs.

* "-" indicates that the corresponding items share the same contents with the items of normal GSNX logs.

Item	Captured using an MFP application	Captured using the scanning feature of GSNX
Generation Date	-	-
Last Refresh Date	-	-
Job ID	-	-
Status	-	-
No. of Retries	-	-
Project Name	-	-
User Name	No output *1	No output *1
Document Name	A value same as the value of "Generation Job ID" is output.	A value same as the value of "Generation Job ID" is output.
No. of Pages	-	-
Document Size	-	-
Job Type	"capture" is always output.	"capture" is always output.
First Page Size	No output	-
First Page Resolution	-	-
Device Name	A value combining "the device name specified in Capture Setting Tool" and "[**Device Serial No.**]" is output. Ex.) 3rd floor Headquarters[3A80-071033]	-
Registration Date	-	-
Generation Job ID	A value combining "S:", "Device Serial No.", ":" and "device JobLogID" is output. Ex.) S:3A80-071033:0000000000026d9f	A GUID is output. The same value is output for Job ID of GSNX log through which data is captured. Ex.) ab767f37-da72-11de-8b67-bba9dlfa4fe5
No. of Scanned Page(s)	No output	-
MAC Address	-	-
IP Address	-	-
Added Device Name	The device name specified in Capture Setting Tool is output.	-

*1 It is not possible to select "User Name" on the capture log dialog box of GSNX AdminTool.
User information can be obtained from metadata for "captureOperator" and "captureOwner". For more information, see p. 16 "Metadata".

🔽 **Note**

• "-" indicates that the output value is same as the one of GSNX log.

Handling errors during data transfer from the MFP to the GSNX server

While the MFP is trying to transfer an image log to the GSNX server, the MFP performs retries under the following conditions:

- The MFP is unable to connect the GSNX server to transfer the log.
- The HDD of the GSNX server is full and the MFP is unable to continue to process the log.

The MFP performs a retry every five minutes for an unlimited number of times.
If the log transfer fails, an error is displayed on the MFP's control panel as shown below:

Continuous failure of the log transfer will result in the MFP's HDD becoming full. Fast restoration is necessary.

Handling errors after data is transferred from the MFP

When an unexpected error occurs immediately after an image log is transferred from the MFP to the GSNX server, the error will be written in the system log and the image file will be transferred in the following folder if the error is not processed on the GSNX server.

%data_path%\CaptureInput\reject
The folder path in which the image log is saved is written in the system log remarks.

Follow the procedure below to reprocess the job saved in the folder.

1. From the Windows Start menu, go to Administrative Tools/Service. Then stop "GlobalScan Service".
2. Move the folder to %data_path%\CaptureInput\reject into the folder %data_path%\CaptureInput\save.
3. Start "GlobalScan Service".

⬇Note

- The same folder structure is applied for the reject/save folders.
- A folder is created for each job in the reject/save folders.

Folder names are in the following format:
[year/month/date/hour/minute/second/millisecond]_[MAC Address of the device through which the job was sent]
Ex. 20091210184819587_001122334455

Metadata

Metadata is added to files obtained and distributed through Image Log Capture Plug-in. This section explains the metadata unique to Image Log Capture Plug-in. For other types of metadata, see *GSNX Administrator's Guide*.

Item (ID)	For data captured using an MFP application	For data captured using the scanning feature of GSNX
captureCreationDate	**Operation Date** A value combining GMT and a time zone is output. YYYY-MM-DDThh:mm:ss±time zone Ex.) November 16th, 2009, 16:01:10 in Japan Standard Time (JST) 2009-11-16T05:01:10+09:00	
captureFunction	**Operation Type** The name of the application through which data is captured is shown as a corresponding value in the following list. Note that "copy" is shown for data captured through Document Server. • copy • print • scan • fax	"scan" is always output.
captureApplication	**Entry System** "gsnx" is always output.	
captureJobLogId	**Job Log ID** A value combining "S:", "Device Serial No.", ":" and "device JobLogID" is output. Ex. S:3A80-071033:0000000000026d9f *1	A GUID is output.
capturePageCount	**Captured Page Count**	
contentSize	Content size (bytes) of a document when it is sent from the MFP to the GSNX server A value output here does not reflect the value of a file resized using the image conversion function including filter processing	
name	**Document Name** A value same as the value of captureJobLogId is output. Some actions differ when data is captured through Printer. • If printing is performed with data saved in Document Server, a value same as the file name is output. • If printing is performed without data saved in Document Server, a value same as the value of JobLogId is output.	A value same as the file name of GSNX scanner is output.
captureJobId	**Capture Job ID** A value is output only when data is captured through Printer. Ex. AUp1oAAATbEvxDw Values output here are not normally used.	No output This is different from Job ID of the GSNX application.
captureOperator	No output	A value output here is a user name that is logged in to the device. A value is not output if a user is not logged in to the device.
captureSenderUserName	"Key Display" of a logged-in user	No output
hostName	Device Name (specified in Capture Setting Tool) and Serial Number	Device host name

Item (ID)	For data captured using an MFP application	For data captured using the scanning feature of GSNX
captureOwner	**Document Owner** If a user is logged in to the device, the "Key Display" of the user is output. If no users are logged in to the device, the value entered for "Default user:" in Capture Setting Tool is output.	No output
captureCopyVolume	**Volume** This value is output only when capturing is performed through Copy and Printer.	No output

captureNumber UpPageOrder	**Layout**
	This value is output only when capturing is performed through Copy.
	1: Without combine printing
	2: 2 pages per sheet
	    4 pages per sheet (2-Sided)
	    Small book and weekly magazine
	4: 4 pages per sheet
	    8 pages per sheet (2-Sided)
	8: 8 pages per sheet
	    16 pages per sheet (2-Sided)
		No output

outMode	**2-Sided/1-Sided** This value is output only when capturing is performed through Copy. single: 1-Sided duplex: 2-Sided, small book, and weekly magazine	single: 1-Sided duplex: 2-Sided
captureFaxReceiver Count	**FAX Receiver Count** This value is output only when capturing is performed through FAX Transmission. *2	No output
captureReceiver	**FAX Transmission Information (receiverPortId)** This value is output only when capturing is performed using FAX Transmission. For simultaneous fax transmission, corresponding number of values are output from the following list. *2 G3-1: G3-1 G3-2: G3-2 G3-3: G3-3 G4-1: G4-1 G4-2: G4-2 ipfax: IPFax i-fax: InternetFax	No output
	FAX Receiver Number (faxNumber) This value is output only when capturing is performed using FAX Transmission. For simultaneous fax transmission, corresponding number of values are output. *2	No output
captureScanReceiver Count	**Scan Receiver Count** This value is output only when capturing is performed using Scanner.	No output

Item (ID)	For data captured using an MFP application	For data captured using the scanning feature of GSNX
captureReceiverInfo	**Scan Transmission Information (receiverPortId)** This value is output only when capturing is performed using Scanner. When a file is sent to multiple destinations, the corresponding number of values is output from the following list. *2 ftp: FTP (Transferring to Folder) smb: SMB (Transferring to Folder) mail: MAIL http: sent by HTTP	No output
	Scan Receiver (receiverDestination) This value is output only when capturing is performed using Scanner. An e-mail address or folder path of the destination is output. When a file is sent to multiple destinations, the corresponding number of values is output. *2	No output
	Scan Receiver Name (receiverName) This value is output only when capturing is performed through Scanner. The name of the scan destination is output. (When a destination is selected from destination names registered in "Name" of the Address Book of the MFP, the name is output. This value is blank when a destination is manually entered.) When a file is sent to multiple destinations, the corresponding number of values is output. *2	No output
transferKind	**Forwarding Type (Purpose)** "capture" is always output when capturing is performed.	"capture" is always output.
application	**Job Type** "capture" is always output.	No output

*1 See the "Specifying Settings to collect job logs" section below to specify a setting to collect job logs captured using FAX Transmission.
   "JobLogID" is output as "0000000000000000" and unable to be obtained unless you specify the setting.

*2 See the "Specifying Settings to collect job logs" section below to specify a setting to collect job logs.
   2008 autumn and newer models of devices support multiple destinations.
   See p. 21 "Notes and Limitations" for the limitation of information added to a file name.

Specifying Settings to collect job logs

1. Enter "http://(the MFP's IP address)" in the address bar of a Web browser to open Web Image Monitor.

2. Log in as a user with administrator account rights.

   Go to [**Configuration**], [**Device Settings**] and [**Logs**]. Then set "Collect Job Logs" to "Active".

   • To collect job logs captured using Scanner:
     Set "Scanner: Sending" to "Collect".
   • To collect job logs captured using FAX Transmission:
     Set "Fax: Sending" to "Collect".
     Set "Fax: LAN-Fax Sending" to "Collect".

Compatibility with Individual Authentication System CAP v1

It is possible to obtain the ID information of users who logged in using Individual Authentication System CAP v1.

Metadata is set as follows:

Tag name	Captured using an MFP application	Captured using the scanning feature of GSNX
CaptureOwner	Name *1	No output
CaptureOperator	No output	Login User Name *1
captureSenderUserName	Key Display *1	No output

*1 If CAP v1 or v2 is used to create a user whose "Name" or "Key Display" in the MFP address book is blank, the "Login User Name" is used for these fields, which conforms to the MFP Address Book specifications.

Use "CaptureOperator" if you want to add a folder name or file name to the information of users who performed operations.
If a user has a different display name and user ID, a different folder/file name is given even if the operation is performed by the same user.

Compatibility with Individual Authentication System CAP v2

It is possible to obtain the ID information of users who logged in using Individual Authentication System CAP v2.

Metadata is set as follows:

Tag name	Captured using an MFP application	Captured using the scanning feature of GSNX
CaptureOwner	Name *2	No output
CaptureOperator	No output	Login User Name *2
captureSenderUserName	Key Display *2	No output

*2 If CAP v1 or v2 is used to create a user whose "Name" or "Key Display" in the MFP address book is blank, the "Login User Name" is used for these fields, which conforms to the MFP Address Book specifications.

Compatibility with Individual Authentication Kit

It is not possible to obtain the ID information of users who logged in using Individual Authentication Kit.

Authentication performed by MFP

Windows Authentication/ Basic Authentication
It is possible to obtain the ID information of users who logged in using Windows Authentication/Basic Authentication.

Tag name	Captured using an MFP application	Captured using the scanning feature of GSNX
CaptureOwner	Name of login user *3	No output
CaptureOperator	No output	Login User Name *3
captureSenderUserName	Key Display of login user *3	No output

*3 The names of items are displayed in the System Settings screen of the MFP.

User Code Authentication

It is possible to obtain the ID information of logged-in users when data is captured using an MFP application, but it is not possible to obtain the information when data is captured using the GSNX's scanning features.

Tag name	Captured using an MFP application	Captured using the scanning feature of GSNX
CaptureOwner	Name of login user *4	No output
CaptureOperator	No output	No output
captureSenderUserName	Key Display of login user *4	No output

*4 The names of items are displayed in the System Settings screen of the MFP.

Troubleshooting

What happens to a data set with Data Security for Copying when it is captured using a device with Data Security for Copying enabled?

If a data set with Data Security for Copying is captured using a device with Data Security for Copying enabled, the captured data is grayed out and then stored.

Does the capturing feature support simultaneous fax transmission?

2008 autumn and newer models of devices support simultaneous fax transmission. Set "Collect Job Logs" to "Active" on the device.
If simultaneous fax transmission is performed using a device that is a 2008 autumn or older model, only one of the destinations is output in its metadata.

Setting the capturing feature in Fax Transmission disables immediate fax transmission.

The [**Immed. Transmission**] button of the device is grayed out and disabled.
It is not possible to perform fax transmission using the On Hook feature.

Where are image logs stored when the device is unable to communicate with the GSNX server?

If the communication between the device and the GSNX server is not operating normally, image logs are stored temporarily on the HDD of the device.
Image logs are stored in the same area of the HDD as Document Server.
Image logs stored temporarily on the HDD of the device are transferred when the communication between the device and the GSNX server is restored (when the GSNX server is operating normally).

For the number of jobs that can be stored temporarily on the HDD of the device, refer to the number of documents that can be stored in Document Server. The number of jobs stored temporarily differs depending on the volume of the HDD of the device and the number of documents registered in Document Server.

High Compression PDF is disabled.

The [**High Compression PDF**] button of the device is grayed out and disabled.

What happens if I cancel a job that is being printed out with the capturing feature active?

The job is neither captured nor recorded in the capture log.
The capture function is activated when a job is completed without error.

Is the capturing feature effective for data processed using ESA scanner applications other than GSNX?

An ESA application works based on JAVA VM and operates as a separate application from the scanning feature of the machine. ESA applications other than GSNX are not supported by the capturing feature designed to obtain images of the scanning feature.

What are the protocols used for the communication between the Device and the GSNX server?

The HTTP protocol or HTTPS protocol is used.

Is fax data captured if the data is not delivered due to a wrong destination or other error?

Fax data is captured regardless of the delivery result since capturing is performed when the FAX Transmission operation is started.

Notes and Limitations

- This Plug-in requires Media Link Board, which is an MFP option. However the capture function cannot be used in some models even if a Media Link Board option can be installed. As of August 2013, This also applies to full color wide format models.
- When the distribution service is suspended, the capturing feature is also suspended.
- In setting items under [**System**]/[**Job Settings**] of GSNX AdminTool, only the following items are applied to capture jobs: "No. of Retries", "Retry Interval", "Deliver During Specified Time Range", and "Number of processing threads".
- Capture jobs are processed in the same thread as scan jobs of GSNX, and the number of processing threads for capture jobs is processed with the value in "Other job(s)". Note that scan jobs of GSNX are processed prior to capture jobs.
- Up to 100 devices can be managed using Capture Setup Tool.
- When the capturing feature is enabled, the Immediate FAX Transmission and High Compression PDF features are disabled.
- Image Log Capture Plug-in does not support the Secondary Delivery Server setting feature and the Load Balance Server setting feature.
- Image Log Capture Plug-in does not support Hot Folder plug-in.
- Only 2008 autumn and newer models of devices can obtain data of multiple destinations of FAX Transmission and Scanner.
- In the contents (Scan Transmission Information, Scan Receiver, and Scan Receiver Name) of metadata "captureReceiverInfo", information that can be added to a file name is only one of the destinations in "Scan Receiver Name". To obtain all information, distribute metadata in the XML or CSV file format.
- In the contents (FAX Transmission Information and FAX Receiver Number) of metadata "captureReceiver", information that can be added to a file name is only one of the destination numbers in "FAX Receiver Number". To obtain all information, distribute metadata in the XML or CSV file format.
- To use this plug-in, a server composition appropriate for this plug-in is required. For details about creating appropriate server composition, contact your sales representative.
- If ScanToMe/Home is set as the destination for sending captured documents, an error will occur.
- If a user is logged in to the Capture Setting Tool, administrators cannot simultaneously log in to the GlobalScan NX Admin-Tool.
- The project can be used as a destination address of Image Log Capture Plug-in only when a project is set with the One-touch Scan and without an authentication profile.
- This plug-in supports shared folders in Microsoft Windows Server 2003/2003 R2/2008/2008 R2/2012 and Open Enterprise server as a destination.
- Login user name for the Capture Setting Tool does not support login names which consist of only single byte numeric characters.
- If Image Log Capture Plug-in has been installed on the GlobalScan server, captured documents cannot be sent to a shared folder of the server.
- GSNX does not support the Image Log Capture plug-in if the document server function of device is invalid.
- The data scanned through the GSNX SDK application and the data captured through the GSNX SDK application cannot be delivered to each location. Both will be delivered to a single GSNX server which is synchronized with MFP.