

PaperStream Central Admin User's Guide

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PaperStream Central Admin User's Guide

Thank you for using PaperStream Central Admin.

This product is an application that allows you to manage scanners with operations such as updating the scanner settings and firmware as well as monitoring the statuses of the scanners.

This manual describes the following topics. Read them as needed.

Overview (page 8)

Describes the overview of this product.

Installation (page 18)

Describes how to install this product.

Setup (page 34)

Describes the setup after this product is installed.

Usage (page 78)

Describes the usage.

Windows (page 90)

Describes items in each window.

Troubleshooting (page 195)

Describes how to troubleshoot problems and how to deal with event logs.

Operations on PaperStream Central Admin Agent (page 232)

Describes how to operate PaperStream Central Admin Agent.

Operations on Module Creator (page 242)

Describes how to operate Module Creator.

Maintenance (page 251)

Describes the maintenance of this product.

Appendix (page 257)

Describes the supplementary information.

● Manuals

PaperStream Central Admin User's Guide (this manual)

Describes the overview of PaperStream Central Admin and items in the windows.

Click the "?" icon in each window to view the relevant description.

PaperStream Central Admin Agent Help

Describes the items displayed in the PaperStream Central Admin Agent window as well as the meaning of messages and how to handle them.

It can be accessed from [Help] on the PaperStream Central Admin Agent window.
For details, refer to [Operations on PaperStream Central Admin Agent \(page 232\)](#).

Module Creator Help

Describes the items displayed in the Module Creator window as well as the meaning of messages and how to handle them.

It can be accessed from [Help] on the Module Creator window.
For details, refer to [Operations on Module Creator \(page 242\)](#).

Error Recovery Guide (manual)

Describes solutions for errors notified in the event logs.

It can be accessed from [More Info] on the Error Recovery Guide window.

Overview

This section describes the overview of PaperStream Central Admin.

Features

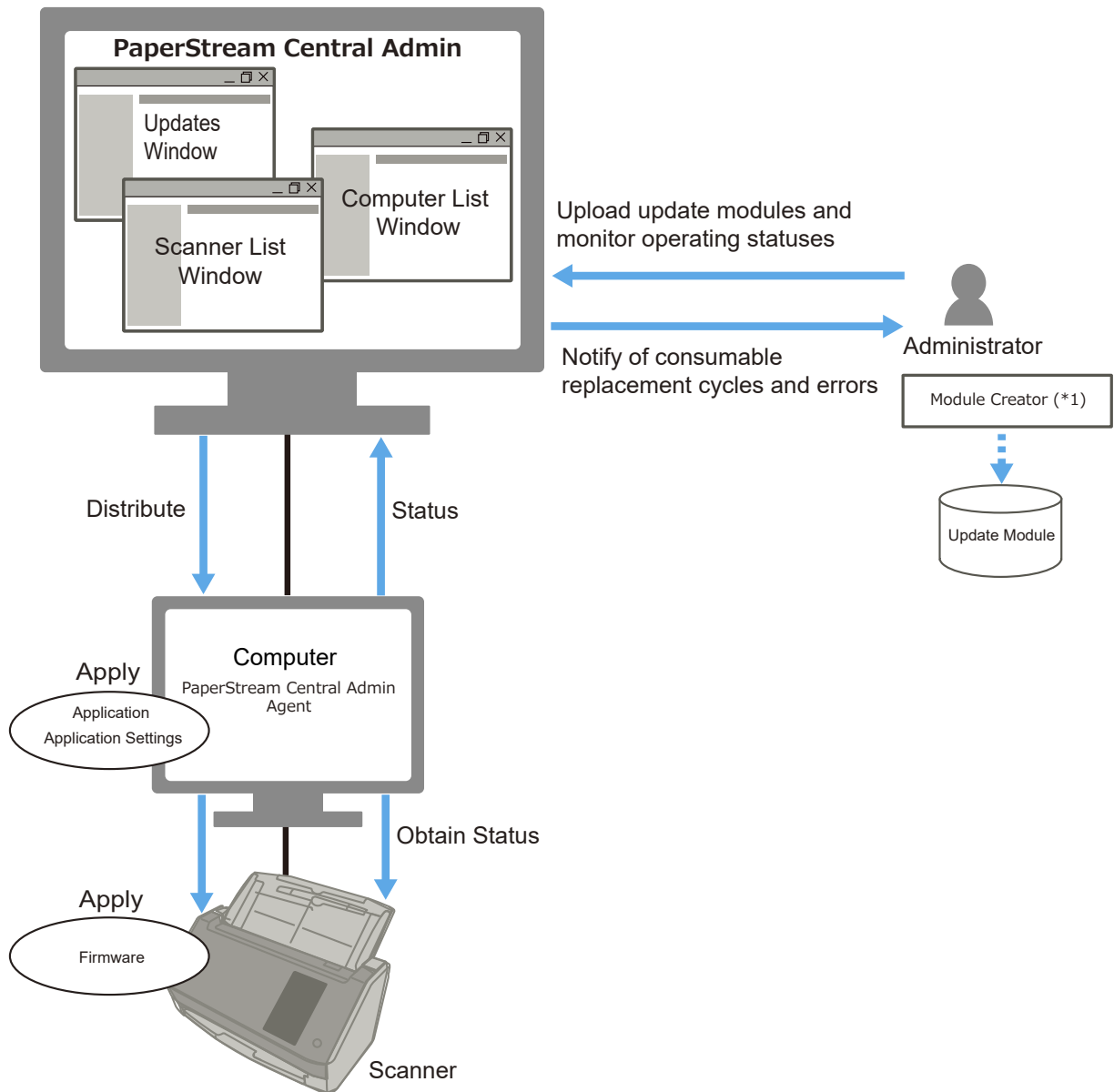
Enabling you to monitor scanner statuses and update scanners

Linking scanners with PaperStream Central Admin as follows allows you to monitor the statuses (such as the power status and errors) of the scanners and to apply firmware to the scanners.

- **Operating with Agent**

When a scanner is connected to a computer, install PaperStream Central Admin Agent on the computer and link PaperStream Central Admin Agent with PaperStream Central Admin. Then, you can register the scanner and the computer which the scanner is connected to with PaperStream Central Admin and monitor the status of the scanner.

In this type of linkage, you can manage computers in a list and apply applications (image scanning applications and scanner drivers) to the computers.

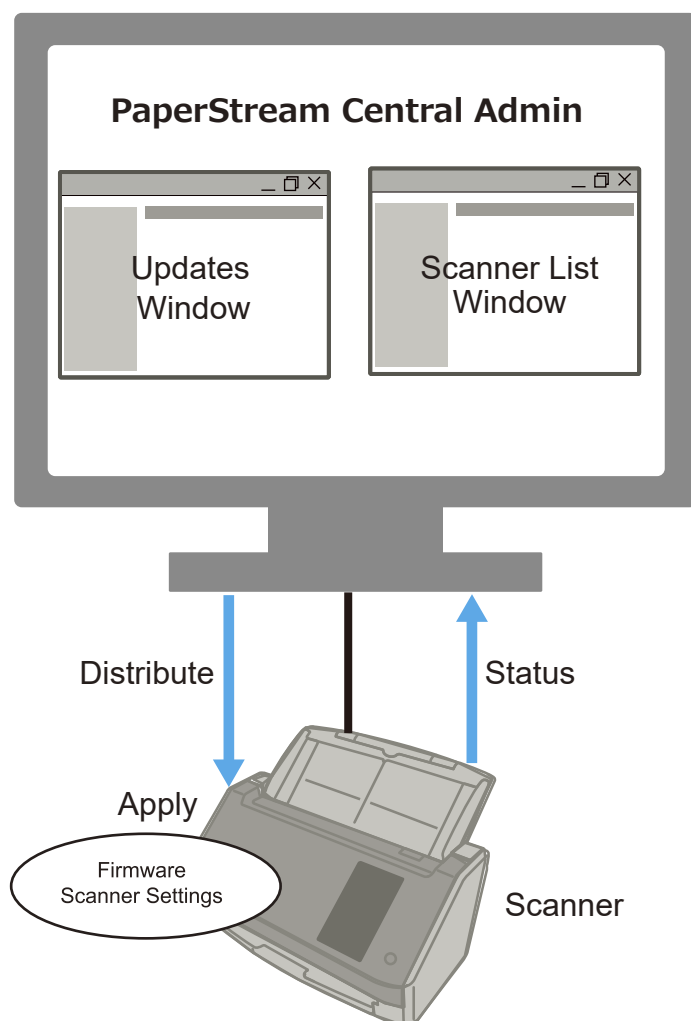


***1:**Module Creator is an application that creates update modules to be uploaded to PaperStream Central Admin. It is installed together with PaperStream Central Admin.

- **Operating with direct connection**

When a scanner is connected to a network, link the scanner with PaperStream Central Admin. On PaperStream Central Admin, you can search for the scanner, register it, and then monitor the status of it.

In this type of linkage, you can distribute scanner settings and apply them to the scanner.



The settings for DirectScan can be distributed to apply them to the scanners

The DirectScan settings and jobs can be distributed and applied to the scanners that can use DirectScan.

For details about how to use DirectScan, refer to the Operator's Guide of your scanner.

Providing email alerts for consumable part replacement and errors in scanners

Email alerts for consumable part replacement and errors in scanners are sent to the administrators.

Linkage with the SNMP manager is available

This allows the SNMP manager to receive SNMP trap notifications concerning consumable part replacement and scanner errors.

Linking with multiple PaperStream Central Admin applications enables you to manage large numbers of scanners and computers (Gate Console function)

1,000 or more scanners and computers can be managed by linking with multiple PaperStream Central Admin applications.

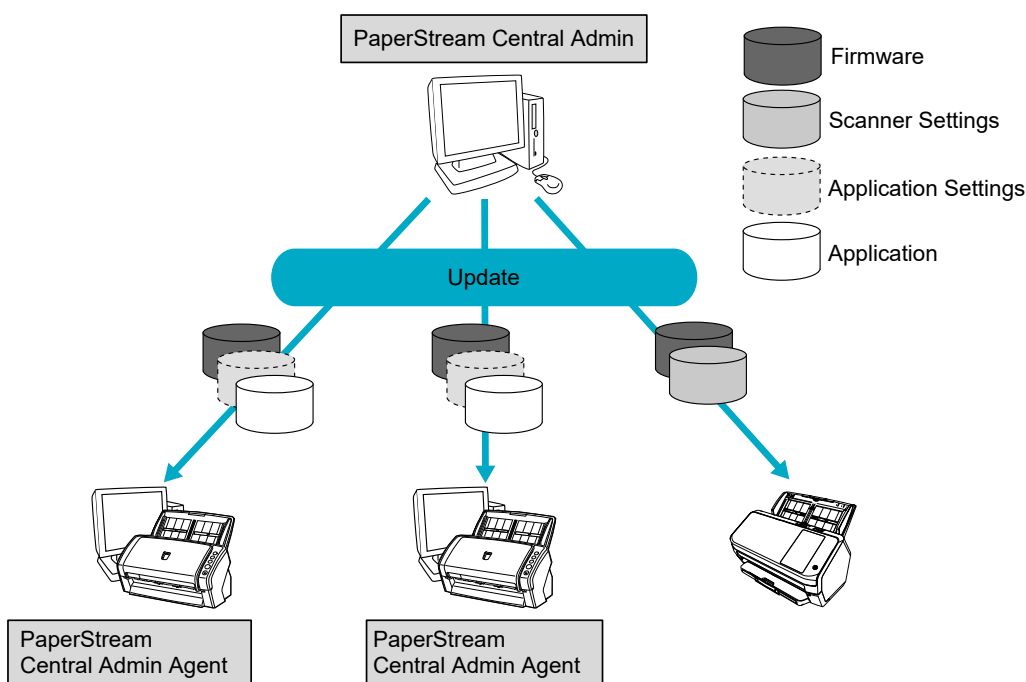
Main Functions

● Update Function

This function provides the capability to simultaneously update scanner settings, application settings, firmware, and applications (image scanning applications and scanner drivers) for multiple scanners at once.

You can create multiple pieces of update information for a single scanner group or computer group and configure the order in which they are applied.

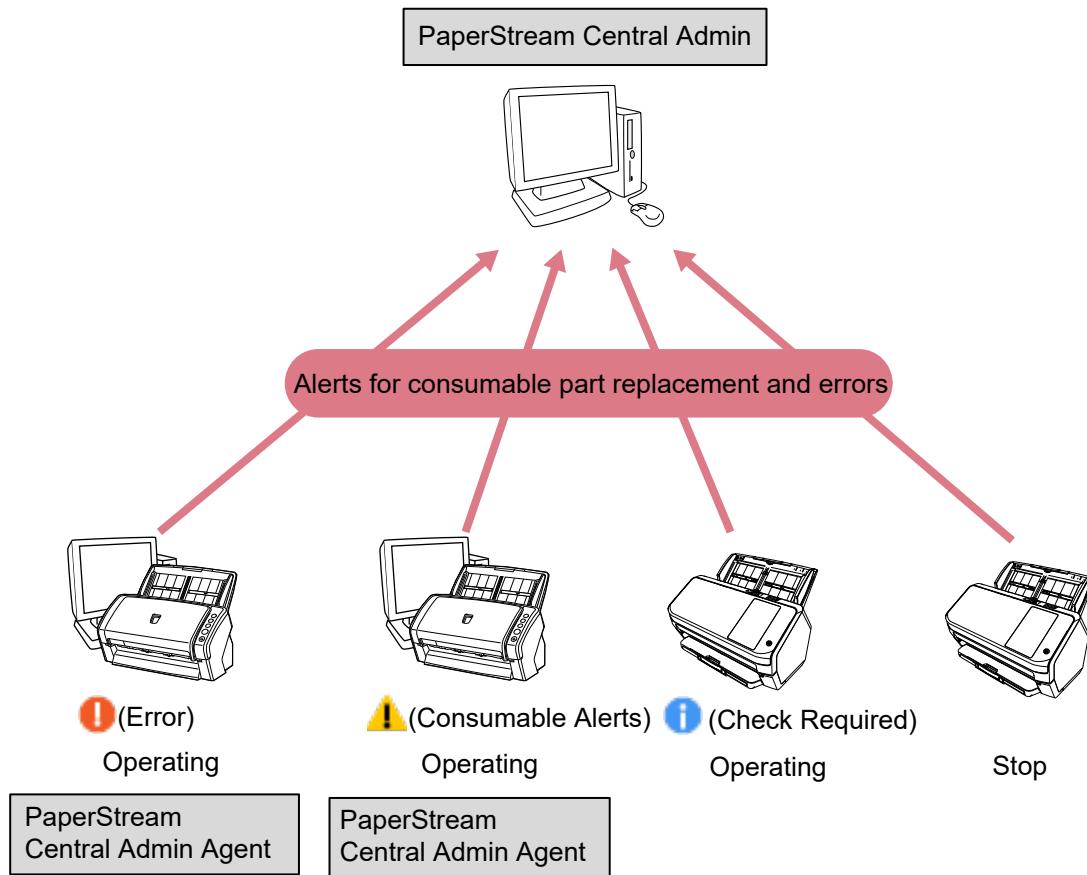
Because there is no need to update each scanner or computer one by one, a significant reduction is achieved in the time required to update a large number of scanners and computers.



● Monitoring Function

This function provides the capability to monitor the operating status of scanners, whether there are any scanners that need replacement of consumable parts, scanners or computers in which an error has occurred, or scanners that need maintenance.

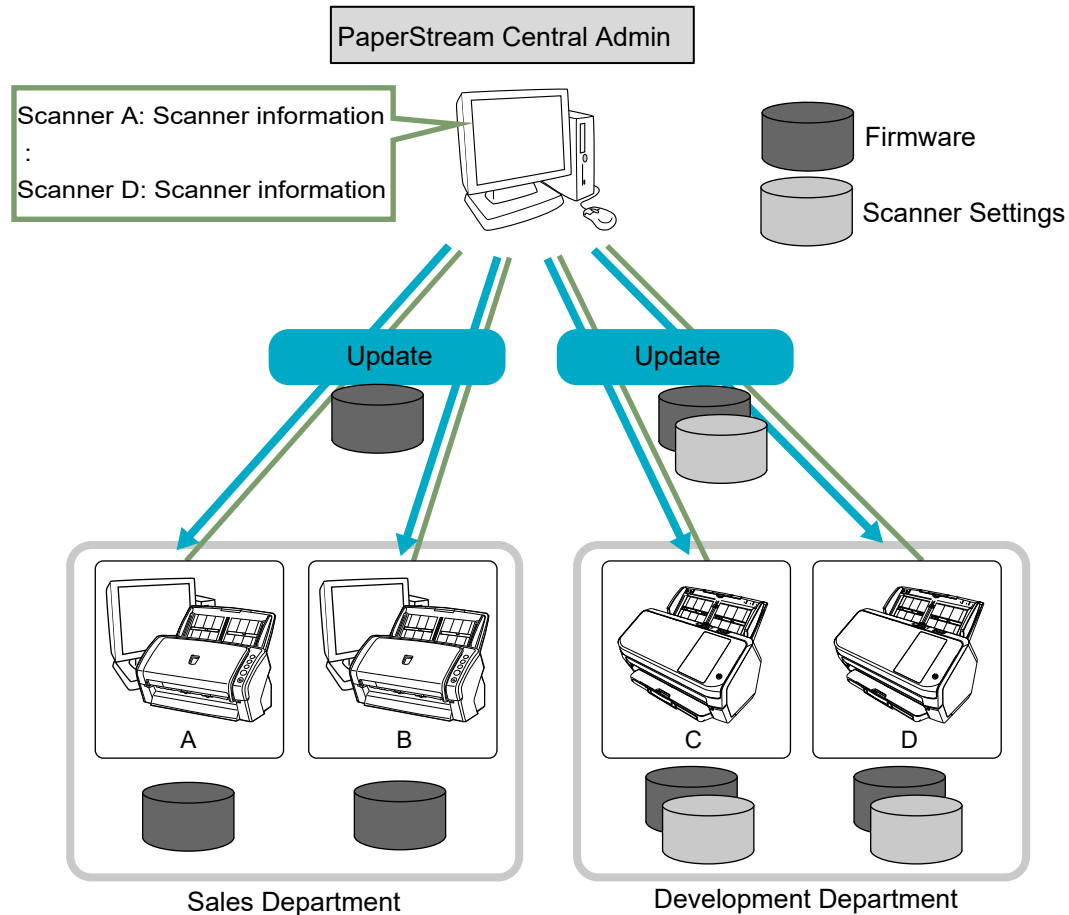
You can easily check the operating status and condition of scanners.



- **Management Function**

This function provides the capability to manage scanners and computers by checking the scanner information (such as scanner model names and the version number of the firmware/scanner driver) or by sorting scanners and computers into different groups.

Sorting the scanners and computers by department allows the individual departments to update their own scanners and computers.



● Email Notification Function

If replacement of consumable parts is necessary for a scanner or if an error occurs on a scanner or computer, the administrators are notified by email.

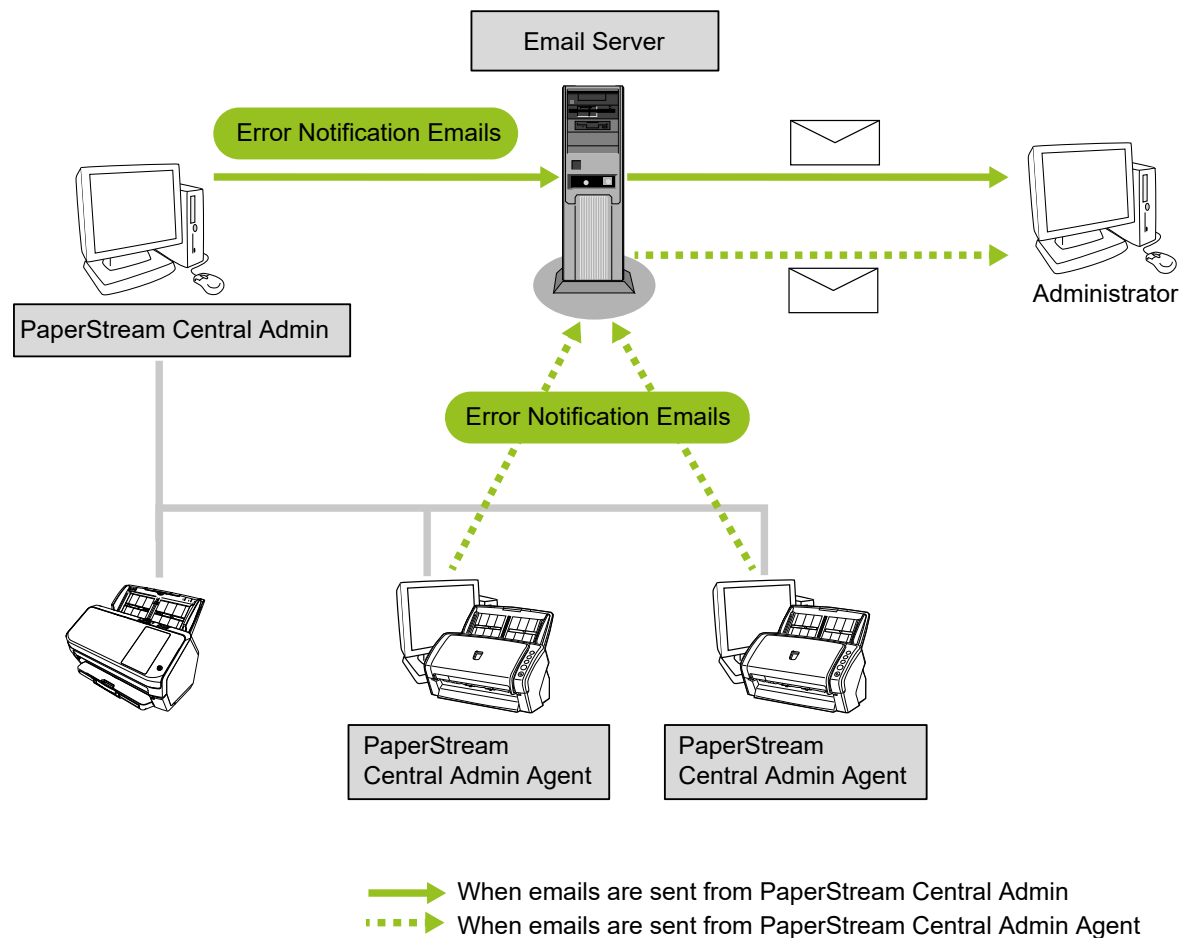
By checking these emails, the administrators can act swiftly to take appropriate measures for the scanners.

This function can be implemented easily by utilizing the existing email system.

Linkage with an email system can be implemented in the following ways:

- Linking PaperStream Central Admin Agent with your email system
Notification emails of errors regarding an operated scanner and computer are sent by each Agent.
- Linking PaperStream Central Admin with your email system

Notification emails of errors regarding all managed scanners and computers are sent by PaperStream Central Admin.



● SNMP Linkage Function

This allows the SNMP manager to receive SNMP trap notifications concerning consumable part replacement and scanner errors.

By checking the SNMP traps sent to the SNMP manager, the administrators can act swiftly to take appropriate measures for the scanners.

This function can be implemented easily by utilizing the existing SNMP manager.

Linkage with the SNMP manager is provided in the following ways:

- Linking PaperStream Central Admin with your SNMP manager

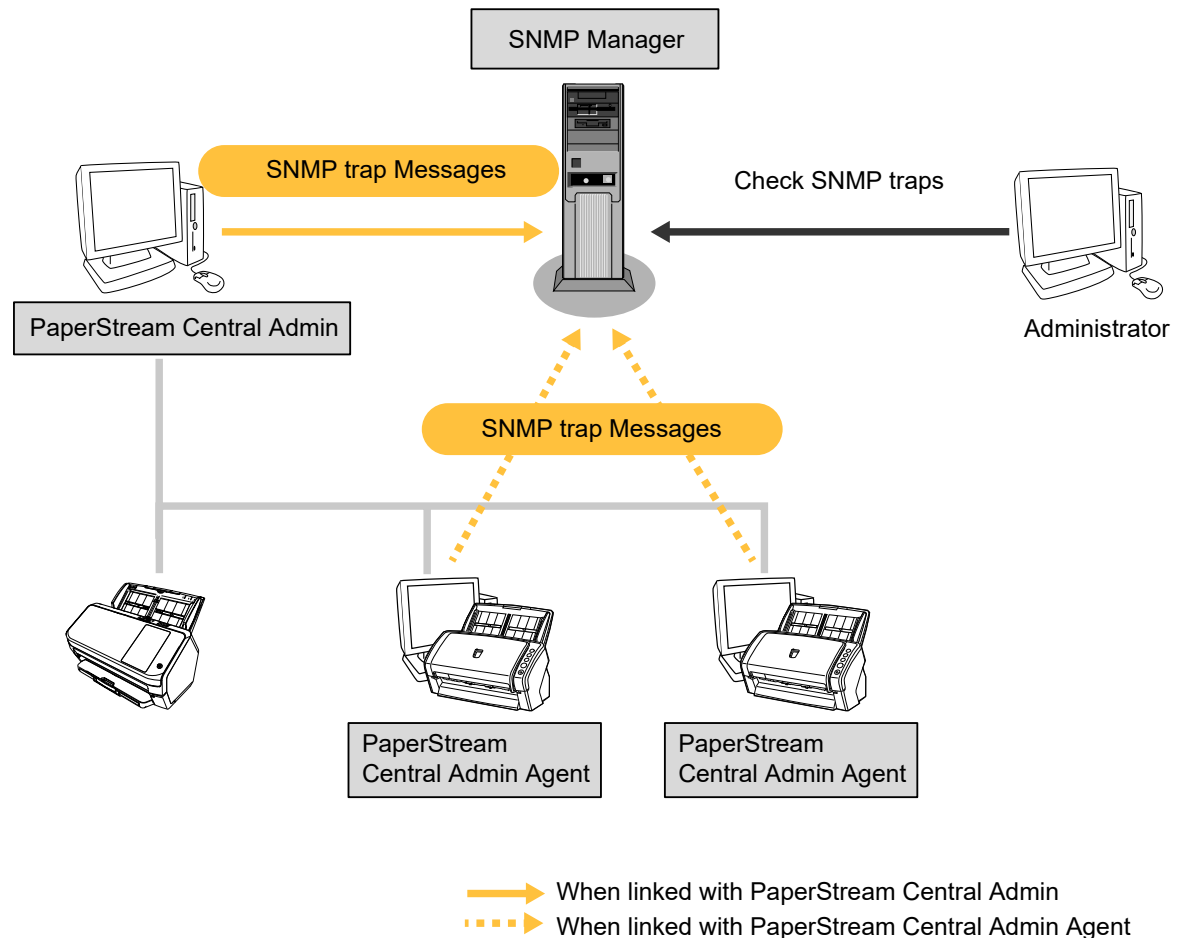
When PaperStream Central Admin is used as an SNMP agent, SNMP traps regarding all managed scanners are sent by PaperStream Central Admin.

ATTENTION

- When using the Gate Console function, link the SNMP manager only with the leader.
- When PaperStream Central Admin and Scanner Central Admin Server coexist, link the SNMP manager with either PaperStream Central Admin or Scanner Central Admin Server. You cannot link the SNMP manager to both at the same time.

- Linking PaperStream Central Admin Agent with your SNMP manager

When PaperStream Central Admin Agent is used as an SNMP agent, SNMP traps regarding an operated scanner are sent by each Agent.



- **Gate Console Function**

By linking between multiple PaperStream Central Admin applications, you can manage more than 1,000 scanners and computers.

Register one PaperStream Central Admin application as the leader and register the other PaperStream Central Admin applications as followers. The leader will be able to manage scanners and computers managed by registered followers. You can also register Scanner Central Admin Server as a follower. The leader can do the following to scanners and computers managed by its followers

- **Monitoring scanners and computers**

You can monitor scanners and computers in the dashboard, scanner list, and computer list.

- **Editing scanner and computer descriptions**

Any edits made in the leader will be reflected in the followers.

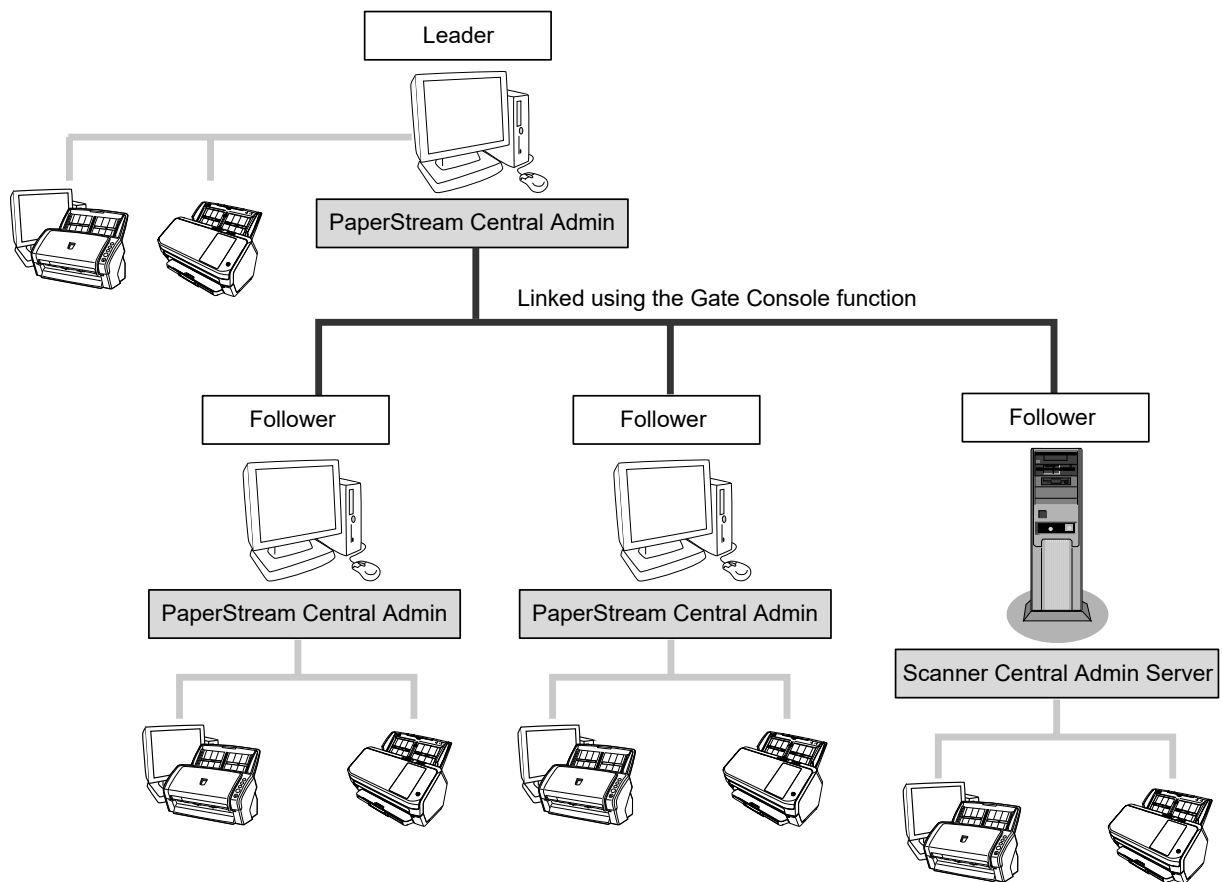
- **Editing scanner groups and computer groups**

Edits made in the leader are not reflected in the followers. It is reflected only in the leader.

- **Removing scanners and computers**

When you remove a follower's scanner and computer in the leader, the scanner and computer are also removed from the follower.

- Clearing error messages
You can clear error messages about scanners or computers managed by the followers.
- Creating update information
You can create scanner and computer groups, including the follower's scanners and computers, to distribute information for updates created on a leader.
- Displaying/Deleting event logs
You can list followers' event logs and delete all the event logs.
- Displaying statistics information
You can list follower's statistics.



• User Authentication Function

You can restrict users (administrators) who use PaperStream Central Admin by managing user name and password to log into PaperStream Central Admin.

An external authentication server (LDAP server) can also be used.

Flow from the Installation to the Operations

1 Installation

→ [Installing PaperStream Central Admin \(page 24\)](#)

Depending on desired operations, install the following.

→ [Installing PaperStream Central Admin Agent \(page 32\)](#)

→ [Installing Error Recovery Guide \(page 33\)](#)

2 Setup

→ [Logging in to PaperStream Central Admin. \(page 34\)](#)

→ [Configuring the Preferences for PaperStream Central Admin \(page 36\)](#)

→ [Registering Scanners and Computers \(page 38\)](#)

→ [Updating Scanners and Computers \(page 44\)](#)

Depending on desired operations, configure the following settings.

→ [Email Notification of Scanner or Computer Errors \(page 53\)](#)

→ [Linking with an SNMP Manager \(page 58\)](#)

→ [Managing More Than 1,000 Scanners and Computers \(page 74\)](#)

3 Operations

• Monitoring scanners and computers

→ [Checking the Statuses of Scanners in the Dashboard \(page 78\)](#)

→ [Checking Event Logs \(page 86\)](#)

→ [Checking Statistics Information \(page 87\)](#)

• Managing scanners and computers

→ [Managing Scanners \(page 79\)](#)

→ [Managing Computers \(page 82\)](#)

→ [Managing Update Information \(page 84\)](#)

→ [Managing Followers by a Leader \(page 88\)](#)

Installation

This section describes the installation of PaperStream Central Admin.

System Requirements (PaperStream Central Admin)

- **Software**
 - Operating system (*1)
 - Windows Client OS
 - Windows 10
 - Windows 11
 - Windows Server OS
 - Windows Server 2016
 - Windows Server 2019
 - Windows Server 2022
 - Windows Server 2025
 - .NET Framework 4.7.2 or later (*2)
 - IIS 10.0 or later (*3)
 - SQL Server (*4)
 - SQL Server 2017
 - SQL Server 2019
 - SQL Server 2022
 - Browser
 - Microsoft Edge (*5)
 - Google Chrome (*5)

ATTENTION

Cookies and JavaScript must be enabled in your browser settings.

***1:**If PaperStream Central Admin is used on Windows Server OS, a Client Access License (CAL) needs to be purchased. For details about CAL, contact Microsoft.

***2:**If .NET Framework is not installed, a notification will be sent. Download .NET Framework from the Microsoft website and install it on the computer.

***3:**When installing IIS 10.0 or later, make sure to install the following components.

- Web Management Tools
 - IIS Management Console
- World Wide Web Services (for Windows client OS)

- Common HTTP Features (HTTP Errors/Directory Browsing/Default Document/Static Content)
- Application Development Features (.NET Extensibility/ASP.NET/ISAPI Filters/ISAPI Extensions/WebSocket Protocol)
- Security (Request Filtering)
- Performance (Static Content Compression)
- Health and Diagnostics (Logging Tools/Request Monitor)
- Web Server (for Windows Server OS)
 - Common HTTP Features (HTTP Errors/Directory Browsing/Default Document/Static Content)
 - Application Development (.NET Extensibility/ASP.NET/ISAPI Filters/ISAPI Extensions/WebSocket Protocol)
 - Security (Request Filtering)
 - Performance (Static Content Compression)
 - Health and Diagnostics (HTTP Logging/Logging Tools/Request Monitor)

*4:When installing PaperStream Central Admin, you can select to use the built-in database or the existing SQL Server.

*5:It is not possible to display and operate the PaperStream Central Admin window in multiple tabs of the browser.

● Hardware

- CPU
 - Intel or Intel-compatible processor
- Display resolution
 - 1280 × 768 pixels or higher
- Memory (*1)
 - 4 GB or more
 - When the Gate Console function is used to manage up to 51,000 scanners, 16 GB or more is recommended.
- Disk space
 - 4.2 GB or more of free space

*1:These requirements vary according to the recommended requirement of your operating system.

● Scanner

For details about the supported scanners, refer to the following:

<https://www.pfu.ricoh.com/global/scanners/fi/sca/>

Supported scanners vary depending on the feature.

➔ [Functional Comparison among Scanner Types \(page 257\)](#)

● Number of scanners that can be managed

Up to 1,000 scanners can be registered with one PaperStream Central Admin application.

When using the Gate Console function, refer to [Specifications for Using the Gate Console Function \(page 259\)](#).

- **Network conditions**

- HTTP/HTTPS communication is possible from PaperStream Central Admin to image scanners (operated with direct connection).
- HTTP/HTTPS communication is possible from PaperStream Central Admin Agent/image scanners (operated with direct connection) to PaperStream Central Admin.
- SMTP communication is possible from PaperStream Central Admin/PaperStream Central Admin Agent to the SMTP server.
- SNMP trap communication is possible from PaperStream Central Admin/PaperStream Central Admin Agent to SNMP manager.
- HTTP communication is possible from Module Creator to the download site (Internet website) when acquiring an update module from a download site.
- When using the new update checking function, HTTP communication is possible from PaperStream Central Admin to the download site.
- When using the Gate Console function, communication is possible via WebSocket with the leader's PaperStream Central Admin or the follower's PaperStream Central Admin/Scanner Central Admin Server.
Make sure that WebSocket is enabled in Windows IIS.

- **Port numbers to be used**

The port number is set in the [Preferences] window.

➔ [\[Preferences\] \(page 179\)](#)

From/To	Port Number	Protocol/Protocol Number
Browser →PaperStream Central Admin	10444	IPv4 TLS1.2
Scanner or PaperStream Central Admin Agent →PaperStream Central Admin	20444	IPv4 TLS1.2
PaperStream Central Admin → LDAP server	389 (LDAP)	6 (TCP)
	636 (LDAPS)	6 (TCP)
	3268 (Active Directory Global Catalog)	6 (TCP)
	3269 (Active Directory Global Catalog over SSL)	6 (TCP)

- Sending email

From/To	Port Number	Protocol Number
PaperStream Central Admin/ PaperStream Central Admin Agent → SMTP server	25 (SMTP) (*1)	6 (TCP)
PaperStream Central Admin → SMTP server (Exchange Online)	587 (SMTP) 443 (HTTPS)	6 (TCP)

*1: The port number can be changed.

- SNMP trap notification

From/To	Port Number	Protocol Number
PaperStream Central Admin/ PaperStream Central Admin Agent → SNMP manager	162 (snmp-trap)	17 (UDP)

- **Supported PaperStream Central Admin Agent**

PaperStream Central Admin Agent 1.0 or later

To operate with Agent, PaperStream Central Admin Agent must be installed on the computer to which the scanner is connected.

➔ [Installing PaperStream Central Admin Agent \(page 32\)](#)

ATTENTION

Scanner Central Admin Agent and PaperStream Central Admin cannot be linked.

System Requirements (PaperStream Central Admin Agent)

- **Software**

- Operating system
 - Windows 10
 - Windows 11
 - Windows Server 2016 (*1)
 - Windows Server 2019 (*1)
 - Windows Server 2022 (*1)
 - Windows Server 2025 (*1)
- .NET Framework (*2)
 - .NET Framework 4.6.2 or later

ATTENTION

Some error messages will appear in English if you use PaperStream Central Admin Agent in an environment where Microsoft .NET Framework Language Pack is not installed.

To monitor or manage the scanner, the following software must be installed.

- PaperStream IP (TWAIN)
- PaperStream IP (TWAIN x64)
- PaperStream IP (ISIS)

*1: The Desktop Experience feature must be enabled.

*2: If .NET Framework is not installed, a notification will be sent. Download .NET Framework from the Microsoft website and install it on the computer.

- **Hardware**

- CPU
 - Intel or Intel-compatible processor (*1)
- Memory
 - 1 GB or more (Recommended: 4 GB or more) (*1)
- Disk space
 - 2.2 GB or more of free space
- XGA monitor or better

*1: These requirements vary according to the recommended requirement of your operating system.

ATTENTION

This product is not guaranteed to run in the following conditions:

- When used on a Terminal Services client or Remote Desktop Connection client

- When used on a virtual machine
- When used on a computer to which multiple users can connect simultaneously
- When used as a Guest user

Installing PaperStream Central Admin

Module Creator will be installed at the same time as PaperStream Central Admin.

1 Perform the following operations.

- When installing for the first time
Proceed to Step 2.
- When updating Scanner Central Admin Desktop or Scanner Central Admin Server to PaperStream Central Admin
 - Update Scanner Central Admin Agent to PaperStream Central Admin Agent in advance.

ATTENTION

You can update Scanner Central Admin Agent applications to PaperStream Central Admin Agent applications at once by distributing the update module from Scanner Central Admin Server or Scanner Central Admin Desktop.

The update module for PaperStream Central Admin Agent distributed to Scanner Central Admin Agent is labeled "Scanner Central Admin Agent" in the Scanner Central Admin Agent window. If Scanner Central Admin Agent applications remain because you did not update them at once beforehand, perform the following:

- For Scanner Central Admin Server, update Scanner Central Admin Agent on each computer.
- For Scanner Central Admin Desktop, distribute the update module of PaperStream Central Admin Agent to update Scanner Central Admin Agent applications at once.
Even after updating to PaperStream Central Admin, you can update Scanner Central Admin Agent applications at once.

- If Scanner Central Admin Server is being used to manage the fi-8040 scanners operated with direct connection, change the linked application setting in the scanner to "Scanner Central Admin Desktop".

ATTENTION

- You can change the linked application settings for all fi-8040 scanners at once. Change the linked application setting and export the scanner settings on fi Series Network Settings (browser), and then distribute them as an update module from Scanner Central Admin Server to scanners.

For details about fi Series Network Settings (browser), refer to the Operator's Guide of your scanner.

- If you do not want to change the linked application settings at once, change them for each scanner.

2 Make sure that the system requirements for PaperStream Central Admin are met.

→ [System Requirements \(PaperStream Central Admin\) \(page 18\)](#)

3 Turn on the computer and log on as a user with administrator privileges.

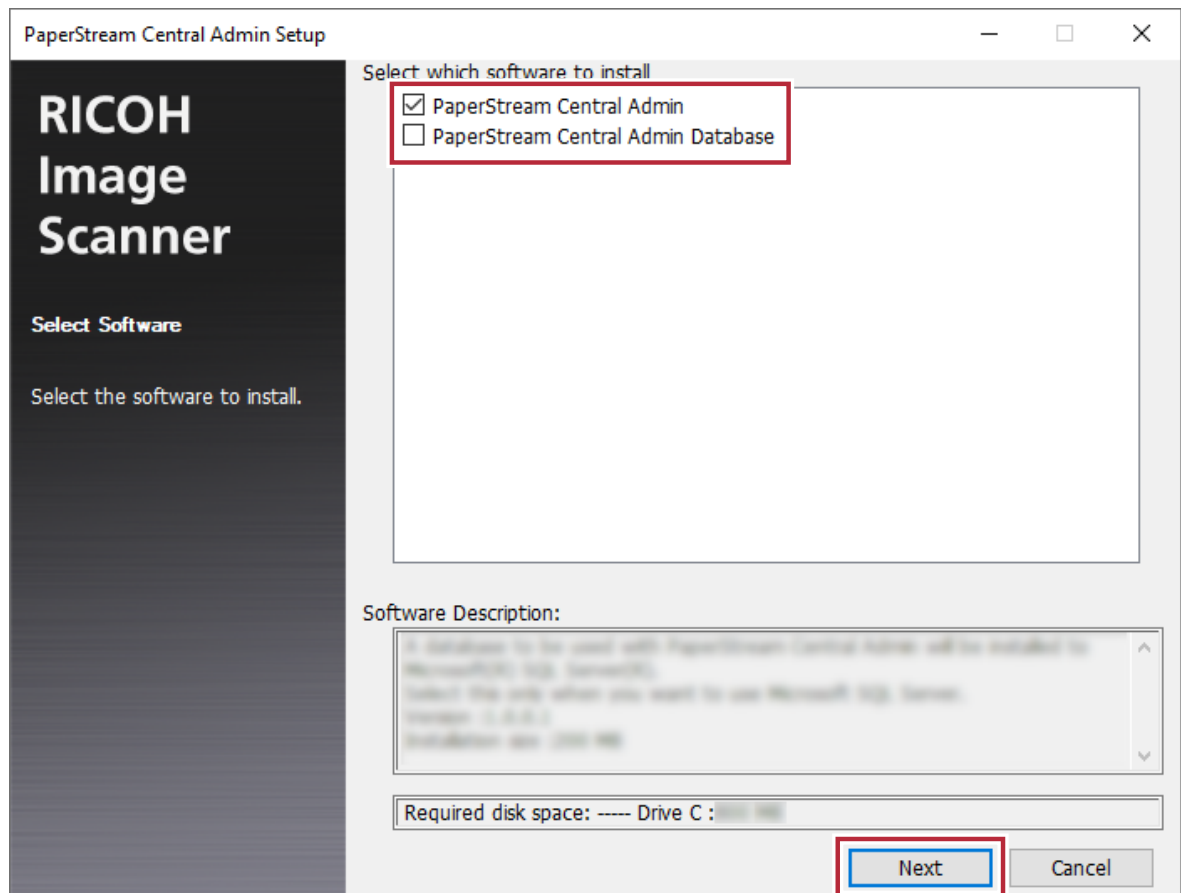
4 Download the installer from the website and start it.

<https://www.pfu.rioh.com/global/scanners/fi/dl/win-sca-list.html>

5 Install the application by following the instructions displayed in the window.

You can perform the operations below:

- Installing PaperStream Central Admin newly

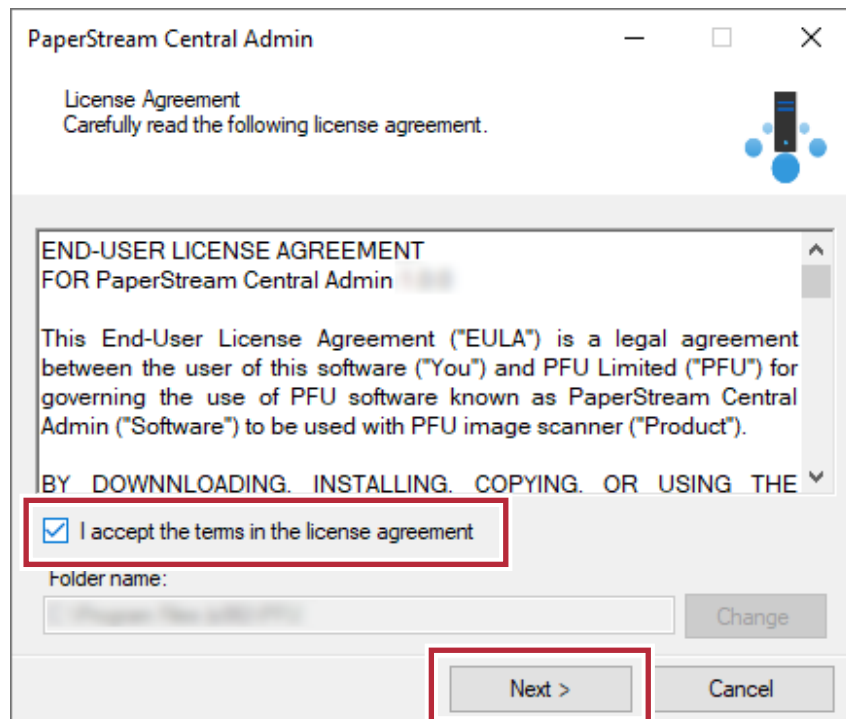


- Updating Scanner Central Admin Desktop or Scanner Central Admin Server to PaperStream Central Admin

When Scanner Central Admin Desktop or Scanner Central Admin Server is already installed, update it to PaperStream Central Admin.

When the application is updated, the settings are automatically carried over. For Scanner Central Admin Server, you can back up the Scanner Central Admin Server settings just in case. For details about how to back up the settings, refer to the Scanner Central Admin User's Guide.

- To update Scanner Central Admin Desktop

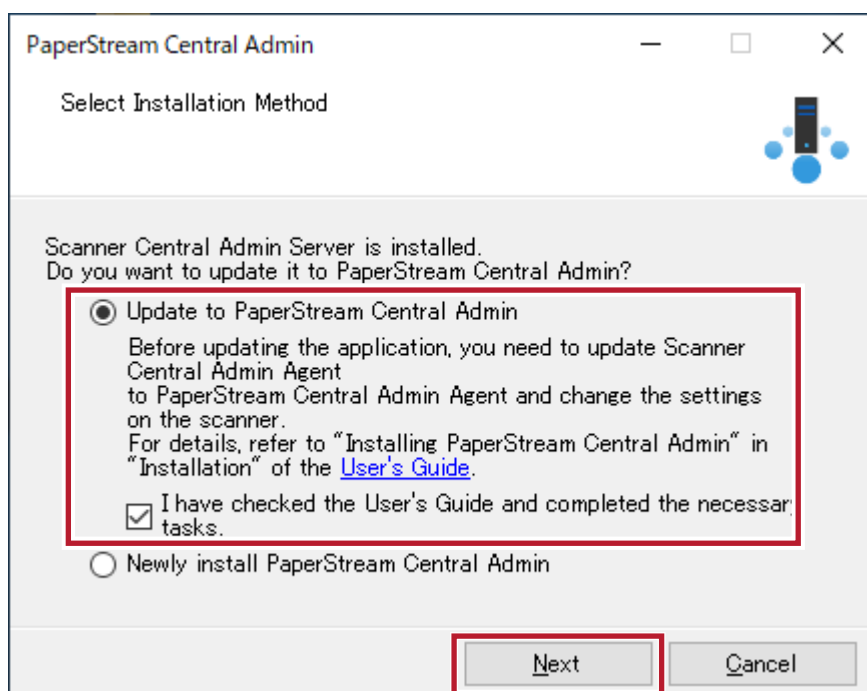


- To update Scanner Central Admin Server

ATTENTION

Before updating, be sure to refer to "ATTENTION" in Step 1 and complete the required tasks in advance.

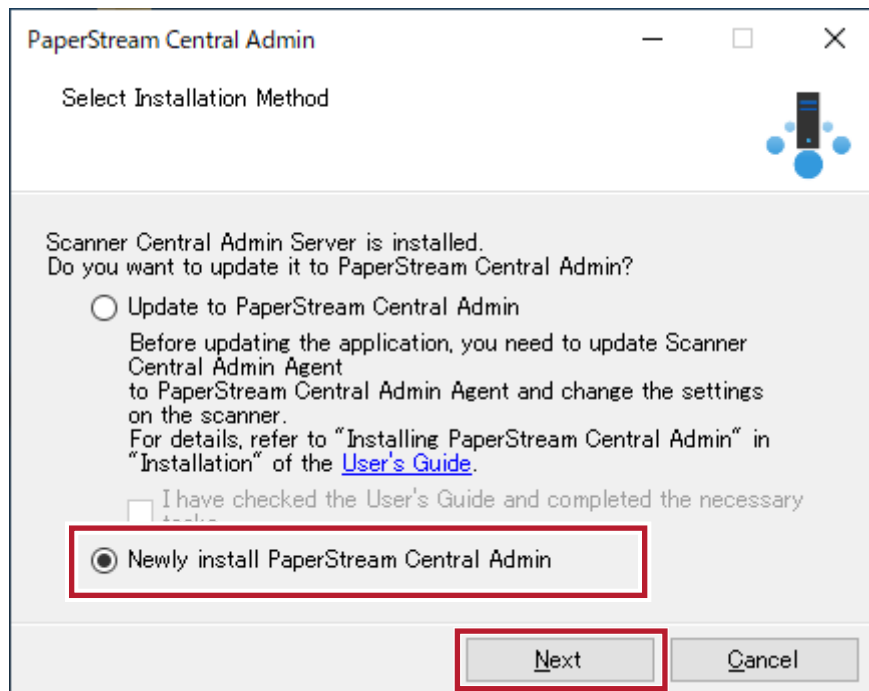
After completing the tasks, select the check box and proceed.



- Using both Scanner Central Admin Server and PaperStream Central Admin

If Scanner Central Admin Server is already installed, you can install PaperStream Central Admin newly on the same computer to use both applications rather than updating Scanner Central Admin Server to PaperStream Central Admin.

Because models that are not supported by PaperStream Central Admin will no longer be managed, if you want to continue to use those models that are only supported by Scanner Central Admin Server, you can use both Scanner Central Admin Server and PaperStream Central Admin.



ATTENTION

- Specify a folder in a local disk for the installation folder.
- Do not install PaperStream Central Admin directly under a root folder. Doing so may result in PaperStream Central Admin not operating normally.
- Do not use the following characters for the installation folder name. If you use the following characters, PaperStream Central Admin may not operate normally.

/;,:.*?"<>|#%

TIP

- The following can be selected for installation as needed.

- PaperStream Central Admin
- PaperStream Central Admin Database

You can use a built-in database or existing SQL Server instance as the database for PaperStream Central Admin.

- To use a built-in database or existing SQL Server instance, only install PaperStream Central Admin.

- To create a new database in an existing SQL Server, install both PaperStream Central Admin and PaperStream Central Admin Database.
- If you want to use an existing SQL Server, the supported SQL Server conditions/settings are as follows:
 - SQL Server 2017 or later
 - The SQL Server Authentication must be enabled for the authentication mode.
- If the installation process fails and the following error message appears, stop the IIS service (w3svc.exe) and re-start manually. Then, perform the installation again.
"The installation process was canceled because the system was busy. Try restarting the Installation Wizard again later."
- If the error message below appears, check that IIS Management Console is installed. If IIS Management Console is not installed, select and install IIS Management Console in [Role Services].
"Installation requires that IIS Management Console be installed. Refer to the manual for details. To select the role services for IIS, select [Administrative Tools] → [Server Manager], and select [Web Server (IIS)] in [Roles Summary]."
- Change the port number used to communicate with scanners, if necessary.
To change the port number and protocol settings after installation, use the [Preferences] window.
- If PaperStream Central Admin uses HTTPS to receive data from scanners, a self-signed certificate is automatically imported into the computer. However, it is recommended that a formal certificate be installed manually. For details about how to import the certificate, refer to [Importing the Certificate \(for HTTPS\) \(page 30\)](#).
- If an interruption or error occurs during the installation or uninstallation process while the existing SQL Server is specified, the following programs may be installed:
 - AMMANAGER instance of SQL Server 2017
 In this case, uninstall the programs described above.
For details about uninstalling the programs, the following is a description of the process using Windows Server 2022 as an example.
To uninstall a program, select [Control Panel] → [Programs and Features].
Use the following procedure to uninstall "Microsoft SQL Server 2017 AMMANAGER instance".
 - 1 Select [Microsoft SQL Server 2017 (64-bit)] in the list of [Programs and Features], and click the [Uninstall/Change] button.
 - 2 Follow the instructions on the window. For the instance, select [AMMANAGER: Database Engine].
- If the following changes are to be made after the PaperStream Central Admin has been installed, uninstall the PaperStream Central Admin application, and reinstall after making the changes:
 - Active Directory is to be used for the domain controller
 - The domain controller role assignment is to be deleted

6 A dialog box appears, prompting you to restart the computer. Restart the computer.

- 7 After the computer is restarted, make sure that PaperStream Central Admin can be started.**
 - [Logging in to PaperStream Central Admin. \(page 34\)](#)

Importing the Certificate (for HTTPS)

If HTTPS is used for communication, import the certificate.

This section uses Windows Server 2022 as an example.

- 1 Select the [Start] menu → [Server Manager].**
Server Manager starts.
- 2 Select [Tools] → [Internet Information Services (IIS) Manager].**
IIS Manager starts.
- 3 Expand the IIS Manager [Connections] tree by clicking [<Host Name>] → [Site].**
- 4 Select [PSCAConsole] or [PSCAService].**

TIP

When the [Use HTTPS for communication] check box is selected in [Browser Settings] in the [Preferences] window, select [PSCAConsole].

When the [Use HTTPS for communication] check box is selected for [Scanner Settings], select [PSCAService].

- 5 Go to [Actions] in IIS Manager and click [Bindings].**
The [Site Bindings] window appears.
- 6 Select [https] for the type and click the [Edit] button.**
The [Edit Site Binding] window appears.
- 7 Select the certificate you want to import for [SSL certificate] and click the [OK] button.**

TIP

- Set the fingerprint for the imported certificate in the CertHash.xml file.
 - The CertHash.xml installation path is as follows.
<PaperStream Central Admin installation folder>\PSCAManager\Sys\CertHash.xml
 - An example for setting the fingerprint for the certificate "cc ce a0 66 e3 9c 9b 2a 65 45 03 a3 c4 f4 e5 e6 ad ec df 9f" is as follows.

```
<?xml version="1.0" encoding="utf-8" ?>
<IISPolicy>
<CertHash>cc ce a0 66 e3 9c 9b 2a 65 45 03 a3 c4 f4 e5 e6 ad ec df 9f</CertHash>
</IISPolicy>
```

- The root certificates issued by the following root certificate authorities are registered on fi-7300NX. To enable [Validate server certificates] on fi-7300NX, import server certificates issued by the following root certificate authorities.
The only certificates that can be trusted on fi-7300NX are server certificates issued by these root certificate authorities.
 - DigiCert Global Root G2

- GlobalSign Root CA
- Comodo Root CA
- VeriSign Root CA

Installing PaperStream Central Admin Agent

Install PaperStream Central Admin Agent on a computer connected to scanners.

ATTENTION

If Scanner Central Admin Agent is already installed, update it to PaperStream Central Admin Agent.

- 1 Make sure that the system requirements for PaperStream Central Admin Agent are met.**
 - ➔ [System Requirements \(PaperStream Central Admin Agent\) \(page 22\)](#)
- 2 Turn on the computer and log on as a user with administrator privileges.**
- 3 Download the installer from the website and start it.**
 - <https://www.pfu.ricoh.com/global/scanners/fi/dl/win-sca-list.html>
- 4 Install the application by following the instructions displayed in the window.**

ATTENTION

- Specify a folder in a local disk for the installation folder.
- Do not install PaperStream Central Admin Agent directly under a root folder. Doing so may result in PaperStream Central Admin Agent not operating normally.
- Do not use the following characters for the installation folder name. If you use the following characters, PaperStream Central Admin Agent may not operate normally.
/;:.*?"<>|#%

- 5 After the installation is complete, make sure that PaperStream Central Admin Agent can be started.**
 - ➔ [Starting up PaperStream Central Admin Agent \(page 232\)](#)

Installing Error Recovery Guide

Install Error Recovery Guide on a computer where PaperStream Central Admin is installed.

If an error occurs in a scanner, clicking the [Error Details] button in the [Event Details] window shows "Error Recovery Guide" corresponding to the error.

Error Recovery Guide provides information on how to deal with errors.

- 1 Turn on the computer and log on as a user with administrator privileges.**
- 2 Download the installer from the website and start it.**
<https://www.pfu.ricoh.com/global/scanners/fi/dl/>
- 3 Install the application by following the instructions displayed in the window.**

TIP

When managing multiple models of scanners, install Error Recovery Guide for each scanner.

Setup

This section describes the setup of PaperStream Central Admin.

TIP

If your browser is not displaying or processing the data correctly, clearing your browser's cache may help.

Logging in to PaperStream Central Admin.

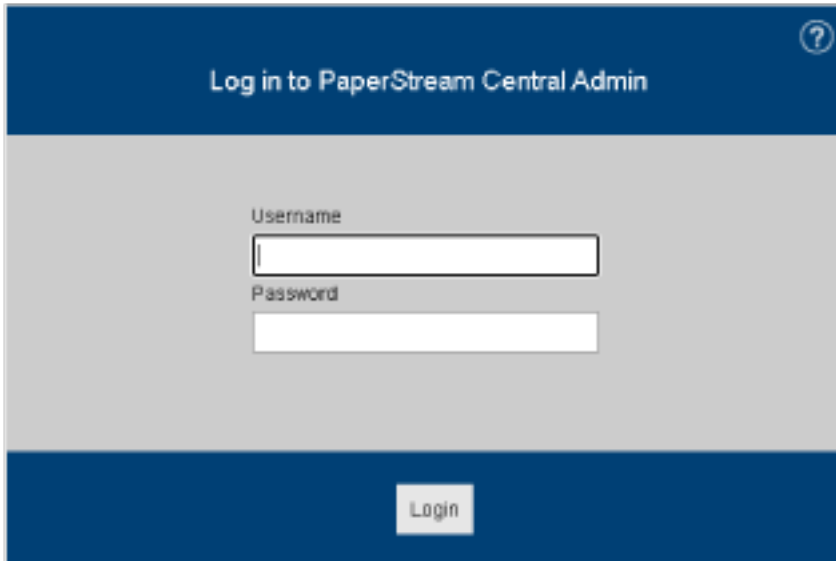
1 Perform either of the following operations.

- Select [Start] menu on Windows → [PaperStream Central Admin] → [PaperStream Central Admin].
- Enter the following URL in the URL input field on the browser:
http or https(*1)://<IP address or host name of the computer in which PaperStream Central Admin is installed>:10444/AmConsole/admin/Login.aspx

*1:Specify http or https according to [Browser Settings] in the [Preferences] window.

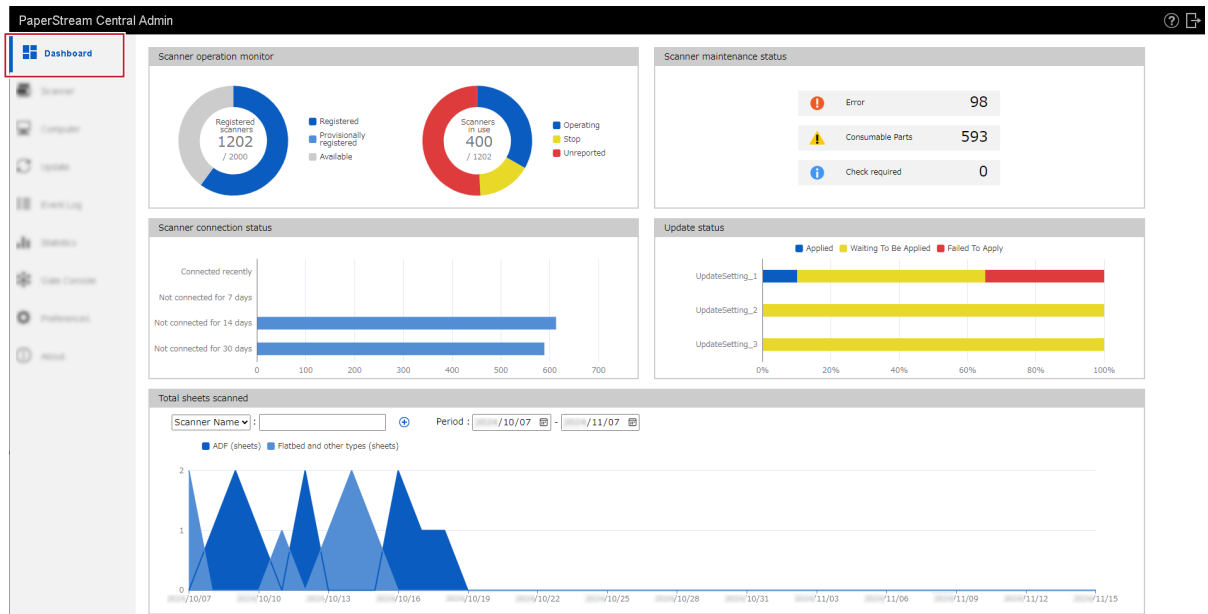
2 In the login window, enter a user name and password, and then click the [Login] button.

→ [Login Window \(page 92\)](#)



The screenshot shows the login interface for PaperStream Central Admin. It features a dark blue header with the text "Log in to PaperStream Central Admin" and a help icon (question mark) in the top right corner. Below the header is a light gray area containing two input fields: "Username" and "Password". At the bottom of the interface is a dark blue footer with a "Login" button.

If the user is authenticated, the PaperStream Central Admin window (Dashboard) appears.




TIP

If the PaperStream Central Admin window is left on for 20 minutes without being used, the window will return to the login window each time.

Configuring the Preferences for PaperStream Central Admin

In a window that appears when you click the [Preferences] menu, set each item and click the [Save] button.

The screenshot shows the 'PaperStream Central Admin' interface. The 'Preferences' menu item in the sidebar is highlighted with a red box. The main content area is divided into several sections:

- Network Connection**
 - Browser Settings**
 - Use HTTPS for communication
 - Port Number:
 - Scanner Settings**
 - Use HTTPS for communication
 - Port Number:
 - Maximum Connections:
- LDAP Server**
 - Use LDAP for administrator login
 - LDAP Server Type:
 - Use SSL Certificate Only, CA not validated
 - LDAP Server:
 - Port Number:
- LDAP Server Authentication**
 - Authorized User (DN): (eg: cn=root, dc=example, dc=com)
 - Password:
 - * Anonymous user connection will be attempted if an Authorized User (DN) is not entered.
 - Login User Attributes:
 - Search Base (DN): (eg: cn=Users, dc=example, dc=com)
 - Search Timeout: Sec
 - LDAP User Name:
 - Disable the default administrator account
- Operation Monitor Settings**
 - Clear the  error status when the scan is successfully completed

At the bottom of the window, there is a button (highlighted with a red box) and a button.

You can configure the following settings.


Configuring the settings for communicating with scanners and browsers

Under [Network Connection], configure the settings for communicating with scanners and browsers.

Using an LDAP server for user authentication

Under [LDAP Server] and [LDAP Server Authentication], configure the LDAP server, user name, and password used for user authentication when logging in to PaperStream Central Admin.

Clearing the error mark after the scan is completed

Under [Operation Monitor Settings], set whether to clear error marks () when the scan is successfully completed.

Setting the default value for when to apply updates

Set a time to apply the updates when selecting [Use the default setting] for [Time the Settings Are Applied].

Configuring the settings for downloading update modules from the website

Under [Check for updates], configure the proxy server to be used to connect to a website when downloading the firmware of the scanners from the website.

Configuring the number of days to keep event logs and notification settings

Configure the settings under [Log Retention].

Issuing notifications of scanner maintenance information

Configure the settings under [Maintenance Notification Settings].

Adding the items to be displayed in the scanner list or computer list

Under [Add custom fields], configure the items to be managed as scanner information or computer information. The items configured here can be displayed in the scanner list or computer list.

Issuing notifications of scanner errors to the administrator

Configure the settings under [Error Notification Settings].

For details about the procedure to send a notification e-mail, refer to [Email Notification of Scanner or Computer Errors \(page 53\)](#).

Linking with an SNMP manager to issue SNMP trap notifications

Configure the settings under [SNMP Linkage].

For details about the procedure to link with an SNMP manager, refer to [Linking with an SNMP Manager \(page 58\)](#).

Setting the character set for the CSV file to be imported to/exported from PaperStream Central Admin

Configure the settings under [Data Import/Export].

See also

[\[Preferences\] \(page 179\)](#)

Registering Scanners and Computers

This section describes the procedure to register scanners and computers with PaperStream Central Admin.

- **For scanners connected to computers**

Use PaperStream Central Admin Agent to register a scanner and a computer to which the scanner is connected (operated with Agent).

- 1 [Installing PaperStream Central Admin Agent \(page 32\)](#)
- 2 [Registering a Scanner and Computer \(Operated with Agent\) \(page 39\)](#)

ATTENTION

If you update your Scanner Central Admin Server to PaperStream Central Admin, you can continue to use the scanner managed by Scanner Central Admin Server via Agent. The linked application settings in the scanner and PaperStream Central Admin Agent do not need to be changed.

- **For scanners connected to a network**

Use PaperStream Central Admin to search for the scanner on the network and register it (operated with direct connection).

- 1 [Registering a Scanner \(Operated with Direct Connection\) \(page 42\)](#)

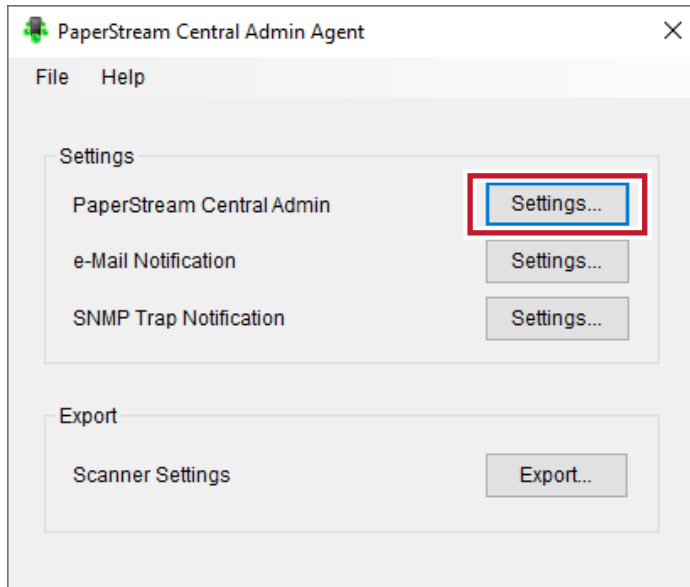
ATTENTION

- For fi-8190/fi-8290/fi-8170/fi-8270/fi-8150/fi-8250 and fi-7300NX, the scanner can be registered if it is connected to PaperStream NX Manager.
You can register a scanner with PaperStream Central Admin while leaving the linked application setting in the scanner set to "Scanner Central Admin Server".
- For fi-8040, set the linked application setting in the scanner to "Scanner Central Admin Desktop". For details about how to set the linked application in the scanner, refer to the Operator's Guide for your scanner model.

Registering a Scanner and Computer (Operated with Agent)

Use PaperStream Central Admin Agent to register a scanner and a computer to which the scanner is connected with PaperStream Central Admin.

- 1 Start up PaperStream Central Admin Agent.**
 - ➔ [Starting up PaperStream Central Admin Agent \(page 232\)](#)
- 2 Click the [Settings] button for [PaperStream Central Admin].**



- 3 Select [Link with PaperStream Central Admin] and configure settings.**

For information about the settings, refer to the PaperStream Central Admin Agent Help.

4 Click the [OK] button to close the [PaperStream Central Admin Agent] window.

The scanner and computer are registered in PaperStream Central Admin and displayed in the scanner list and computer list.

ATTENTION

- Depending on your system environment, it may take some time to complete the settings after the [OK] button is clicked.
- Depending on the settings in your security software, a warning message may appear for using the port number that you specified. Check the warning message and take appropriate action to establish communication.

If you want to distribute and apply the update modules to computers and scanners, refer to [Updating Scanners and Computers \(page 44\)](#).

See also

[Managing Scanners \(page 79\)](#)

Registering a Scanner (Operated with Direct Connection)

Register a scanner connected to the network with PaperStream Central Admin.

1 Turn on the scanner and connect it to a network.

For details about how to connect a scanner to the network, refer to the Operator's Guide of your scanner.

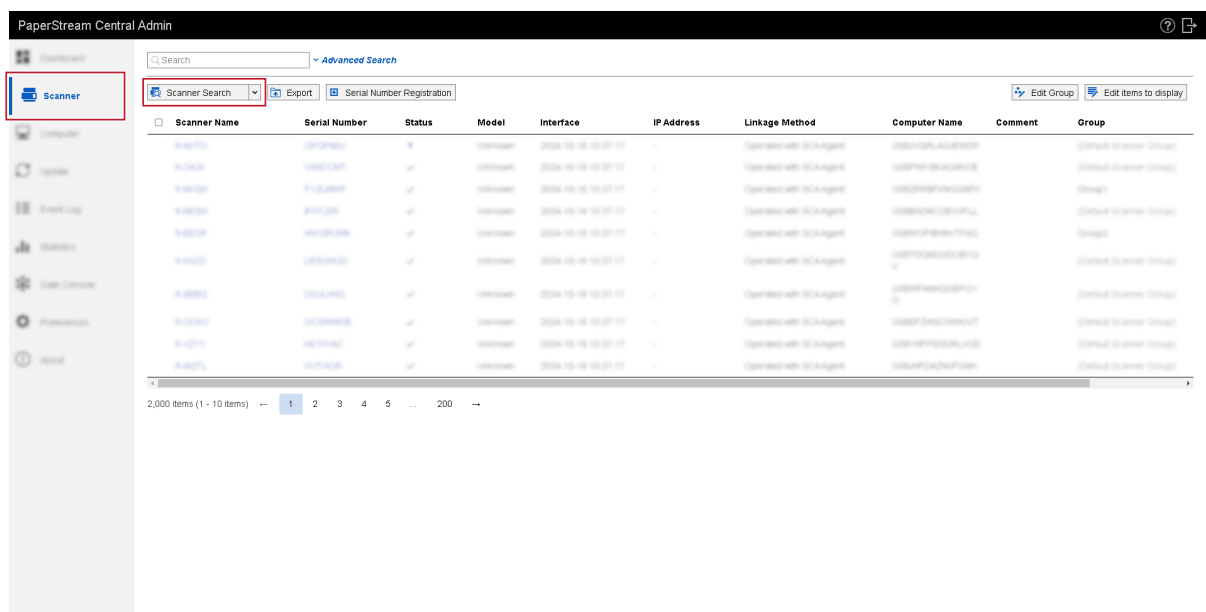
2 Log in to PaperStream Central Admin.

→ [Logging in to PaperStream Central Admin. \(page 34\)](#)

3 Click the [Scanner] menu and then [Scanner Search] or [IP Address Search].

→ [\[Scanner\] \(page 96\)](#)

The following description uses [Scanner Search] as an example.



The screenshot shows the PaperStream Central Admin web interface. On the left, a navigation menu has the 'Scanner' option highlighted with a red box. In the main content area, the 'Scanner Search' dropdown menu is also highlighted with a red box. Below the menu, there is a table of registered scanners. The table has the following columns: Scanner Name, Serial Number, Status, Model, Interface, IP Address, Linkage Method, Computer Name, Comment, and Group. The table contains 10 rows of data, all with a status of 'OK'. At the bottom of the table, there is a pagination bar showing '2,000 Items (1 - 10 Items)' and a page number '1'.

Scanner Name	Serial Number	Status	Model	Interface	IP Address	Linkage Method	Computer Name	Comment	Group
...	...	OK	...	...	...	Operated with SC Agent	...	...	Default Scanner Group
...	...	OK	...	...	...	Operated with SC Agent	...	...	Default Scanner Group
...	...	OK	...	...	...	Operated with SC Agent	...	...	Default Scanner Group
...	...	OK	...	...	...	Operated with SC Agent	...	...	Default Scanner Group
...	...	OK	...	...	...	Operated with SC Agent	...	...	Default Scanner Group
...	...	OK	...	...	...	Operated with SC Agent	...	...	Default Scanner Group
...	...	OK	...	...	...	Operated with SC Agent	...	...	Default Scanner Group
...	...	OK	...	...	...	Operated with SC Agent	...	...	Default Scanner Group
...	...	OK	...	...	...	Operated with SC Agent	...	...	Default Scanner Group
...	...	OK	...	...	...	Operated with SC Agent	...	...	Default Scanner Group

4 Select the check boxes for the scanners that you want to register, enter the information of PaperStream Central Admin where the scanners will be registered, and then click the [Add] button.

➔ [\[Scanner Search\] Window \(page 103\)](#)

Scanner Search

Search Range Same subnetwork

Host Name/IP Address : ⓘ

Port Number :

Precautions

- The communication methods (http/https) specified for the scanner and PaperStream Central Admin must match.

▶ Start || Pause ■ Stop

Search results (Detected 3 scanners.)

<input type="checkbox"/>	Device Name	Model	Serial Number	IP Address	MAC Address	Linkage Status
<input type="checkbox"/>	fi-7300NX	fi-7300	123456789	10.10.10.10	00:00:11:22:33:44	Linked with this Computer
<input checked="" type="checkbox"/>	fi-7300NX	fi-7300	112233456	10.10.10.11	00:00:11:22:33:45	Not
<input type="checkbox"/>	fi-7300NX	fi-7300	987654321	10.10.10.12	00:00:11:22:33:46	Not

The scanners are registered and displayed in the scanner list.

ATTENTION

For fi-7300NX, the scanners are provisionally registered. To register and manage scanners, the scanners must be set up to link with PaperStream Central Admin. Enable the PaperStream NX Manager and Scanner Central Admin Server settings on the scanner and specify the IP address and port number of PaperStream Central Admin.

If you want to distribute and apply the update modules to scanners, refer to [Updating Scanners and Computers \(page 44\)](#).

See also

[Managing Scanners \(page 79\)](#)

Updating Scanners and Computers

This section describes the procedure to update applications on computers and scanners.

1 Creating update information

- ➔ [Distributable Update Modules \(page 46\)](#)
- ➔ [Creating Update Information \(page 49\)](#)

2 Applying update modules

- For scanners operated with Agent
 - ➔ [Installing Update Modules Manually \(page 240\)](#)
- For scanners operated with direct connection

After the scanners are restarted, the update modules will begin to be applied.
For fi-8040/SP-2240N/SP-2230N, if a scanner cannot be restarted, select the check box for an update name in the [Update] window and click the [Retry Update] button.

ATTENTION

Before clicking the [Retry Update] button, make sure that the scanner is in the following state:

- The scanner is powered on
- The scanner is not used

3 Checking the update statuses

Make sure that the same number is displayed for both [To Be Applied] and [Applied] in the [Update] window.

To check the update status for each target, select the check box for an update and click the [Update Status] button, or click a link in the [To Be Applied] column. For details about the window that appears, refer to [\[Update Status\] Window \(page 167\)](#).

The screenshot shows the PaperStream Central Admin interface. The main content area displays a table with the following data:

Update Name	Group	When To Apply	To Be Applied	Applied	Waiting To Be Applied	Failed To Apply
...	1	0	1	0

The 'Update Status' button in the top toolbar is highlighted with a red box. The 'Update' button in the left sidebar is also highlighted with a red box.

See also

[Main Functions \(page 11\)](#)

[Managing Update Information \(page 84\)](#)

Distributable Update Modules

In this manual, all settings, applications, and firmware that can be distributed to scanners or computers managed with PaperStream Central Admin are collectively described as "update modules".

● Uploading/Creating an Update Module

- Uploading or creating an update module from an update file available on a website
You can upload or create an update module for scanner firmware and applications.
The following methods are available.
 - Use PaperStream Central Admin to directly download and upload an update file available on a website.
 - ➔ [Creating Update Information \(page 49\)](#)
 - Use Module Creator to convert an update file available on a website into an update module that can be uploaded to PaperStream Central Admin.
 - ➔ [Downloading an Update Module from the Website \(page 243\)](#)
- Creating an update module from an installation program included on the Setup DVD-ROM supplied with the scanner
You can create an update module for applications.
Use Module Creator to convert an installation program on the Setup DVD-ROM supplied with the scanner into an update module that can be uploaded to PaperStream Central Admin.
 - ➔ [Creating an Update Module Using the Setup DVD-ROM Supplied with the Scanner \(page 245\)](#)
- Creating an update module from an installed application
You can create an update module for application settings.
Use PaperStream Central Admin Agent to create an update module.
 - ➔ [Creating an Update Module of Scanner Settings \(page 238\)](#)
- Creating an update module from a user application
Use Module Creator to convert a user-created application into an update module that can be uploaded to PaperStream Central Admin.
 - ➔ [Creating a User Application as an Update Module \(page 247\)](#)
- Uploading or creating an update module from the scanner (for scanners operated with direct connection)
You can create an update module for scanner settings.
The following methods are available.
 - Use PaperStream Central Admin to obtain and upload the scanner settings for a scanner operated with direct connection.
 - ➔ [\[Scanner settings\] Tab in the \[New update\]/\[Edit update\] Window \(page 125\)](#)
 - Log in to the scanner from the browser (fi Series Network Settings) and creating an update module.
The browser can be started up by using the [fi Series Network Settings] button in the [Scanner Details] window.
For details about the browser, refer to the Operator's Guide of your scanner.

- **Update modules distributable to computers operated with Agent**

Application settings and applications can be distributed to computers operated with Agent.

Application settings

- Software Operation Panel settings
This is information about the settings configured in Software Operation Panel.
For more details, refer to the Operator's Guide of your scanner model.
Applies when the scanner is powered on.
- PaperStream IP (TWAIN) settings and PaperStream IP (TWAIN x64) settings
Profile information for scan settings created by PaperStream IP.
For details, refer to the PaperStream IP Help.
- PaperStream IP (ISIS) settings
Profile information for scan settings created by PaperStream IP.
For details, refer to the PaperStream IP Help.
- PaperStream Capture settings
This is information about jobs created in PaperStream Capture.
For details, refer to the PaperStream Capture User's Guide.
- PaperStream Central Admin Agent settings
This is information about the settings configured in PaperStream Central Admin Agent.
For details, refer to the PaperStream Central Admin Agent Help.
For details about how to create application settings, refer to [Creating an Update Module of Scanner Settings \(page 238\)](#).
For details about how to register application settings, refer to [\[Application settings\] Tab in the \[New update\]/\[Edit update\] Window \(page 142\)](#).

Application

- Error Recovery Guide
 - PaperStream Central Admin Agent
 - PaperStream IP (TWAIN) and PaperStream IP (TWAIN x64)
 - PaperStream IP (ISIS)
 - PaperStream Capture
 - Network Setup Tool
- **Update modules distributable to scanners operated with Agent**
 - Firmware
 - **Update modules distributable to scanners operated with direct connection**
 - Firmware
 - Scanner settings

See also

[Managing Update Information \(page 84\)](#)

Creating Update Information

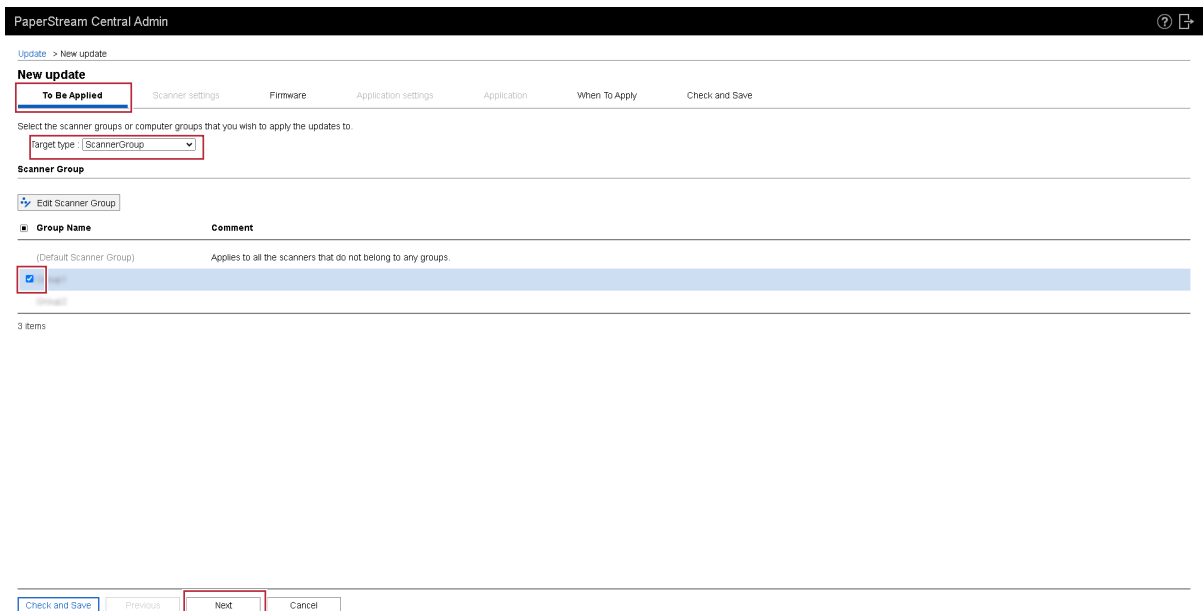
Create information for updates to be distributed to scanners and computers.

1 Click the [Update] menu and then click the [Create] button.



2 On the [To Be Applied] tab, set an update group to which the update module will be applied, then click the [Next] button.

→ [\[To Be Applied\] Tab in the \[New update\]/\[Edit update\] Window \(page 123\)](#)

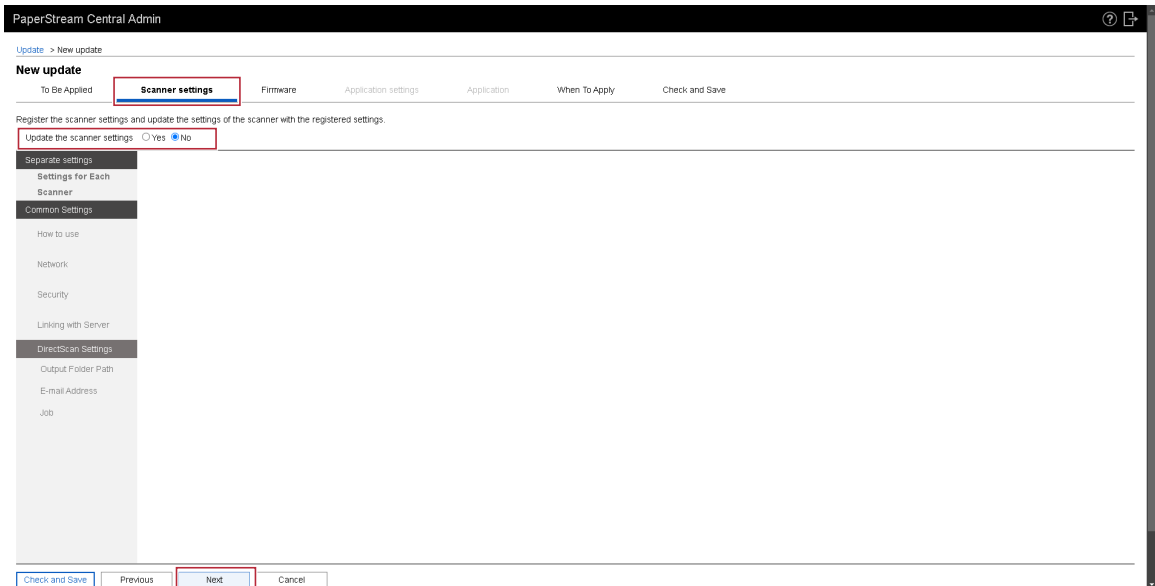


3 On the following tabs, configure the update modules to apply to scanners or computers, then click the [Next] button.

- When the target is a scanner group
 - [Scanner settings] tab

This tab is available when the scanner group contains scanners operated with direct connection. Select [Yes] to update scanner settings, and then set the items displayed. For fi-8040, DirectScan settings can be configured using the menu displayed.

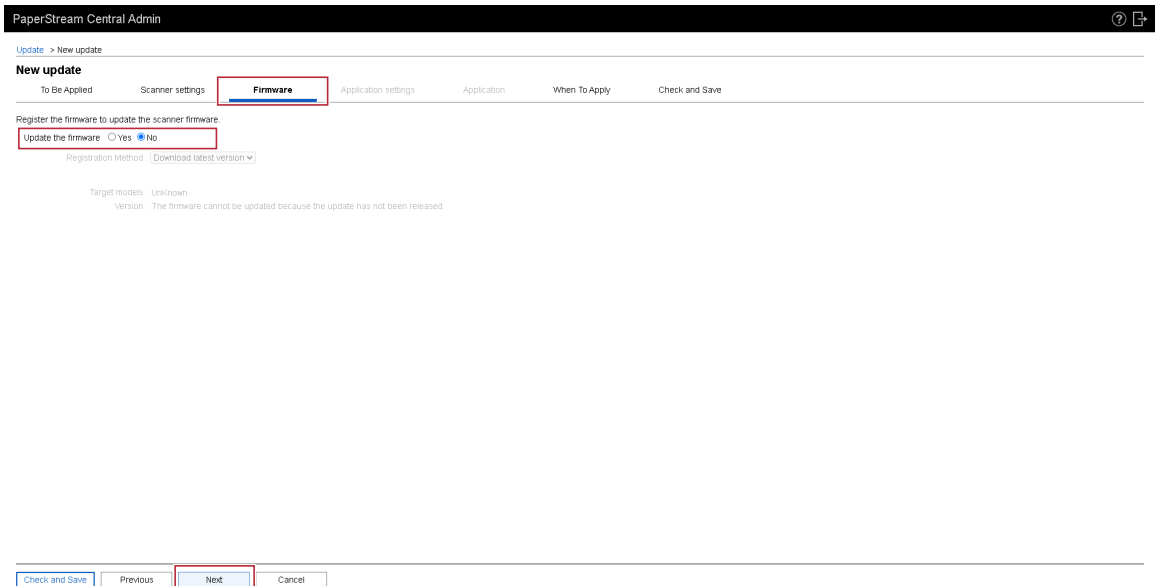
➔ [\[Scanner settings\] Tab in the \[New update\]/\[Edit update\] Window \(page 125\)](#)



- [Firmware] tab

Select [Yes] to update the firmware, and then set the items displayed.

➔ [\[Firmware\] Tab in the \[New update\]/\[Edit update\] Window \(page 140\)](#)



● When the target is a computer group

- [Application settings] tab

Select [Yes] to update the application settings, and then set the items displayed.

➔ [Application settings] Tab in the [New update]/[Edit update] Window (page 142)

PaperStream Central Admin

Update > New update

New update

To Be Applied Scanner settings Firmware **Application settings** Application When To Apply Check and Save

Register the file that contains application setting information to update the application settings.

Update the application settings: Yes No

Registration Method: Upload a File

Target application :
Version/Name :

- [Application] tab
- Select [Yes] to update applications, and then set the items displayed.

➔ [Application] Tab in the [New update]/[Edit update] Window (page 144)

PaperStream Central Admin

Update > New update

New update

To Be Applied Scanner settings Firmware Application settings **Application** When To Apply Check and Save

Register the application to update the application on the computers.

Update the application: Yes No

Registration Method: Select from the Website

Target application :
Version :

- 4 On the [When To Apply] tab, set the time to distribute the update module, then click the [Next] button.

➔ [\[When To Apply\] Tab in the \[New update\]/\[Edit update\] Window \(page 145\)](#)

PaperStream Central Admin

Update > New update

New update

To Be Applied Scanner settings Firmware Application settings Application **When To Apply** Check and Save

Time the Settings Are Applied

When To Apply:

Start time: Hour Min

End: Hour Min

The settings will be applied in the following cases:

- When a scanner is turned on
- When a scanner resumes from power saving mode while in Fast mode

5 On the **[Check and Save]** tab, check the settings, then click the **[Save]** button.

➔ [\[Check and Save\] Tab in the \[New update\]/\[Edit update\] Window \(page 147\)](#)

PaperStream Central Admin

Update > New update

New update

To Be Applied Scanner settings Firmware Application settings Application When To Apply **Check and Save**

Update Name:

To Be Applied

Target type:

Group	Comment
(Default Computer Group)	Settings will be applied to all computers.

Scanner settings

Apply:

Firmware

Update:

Application settings

Update:

Application

Update:

When To Apply

When To Apply:

The update information will be added to the update list in the [Update] window.

See also

[Managing Update Information \(page 84\)](#)

Email Notification of Scanner or Computer Errors

This section describes the procedure to notify the administrators by email when replacement of consumable parts is necessary or when an error occurs in the scanner or computer.

1 Pre-check (SMTP server)

Check the address and port number of the SMTP server used to send emails.

For details, contact your system administrator.

2 Configuring the settings for sending error notification emails to administrators.

- To send notification emails of errors regarding an operated scanner and computer from each Agent Use PaperStream Central Admin Agent to configure the settings.

- a [Installing PaperStream Central Admin Agent \(page 32\)](#)

- b [Configuring the Email Settings \(page 233\)](#)

- To send notification emails of errors regarding all managed scanners and computers from PaperStream Central Admin Configure the settings in [Error Notification Settings] in the [Preferences] window of PaperStream Central Admin.

- ➔ [\[Preferences\] \(page 179\)](#)

- For details about setting up OAuth 2.0 authentication for sending email via Exchange Online, refer to [Setting up Exchange Online OAuth 2.0 Authentication for Sending Emails \(page 54\)](#).

3 Checking the sent emails

- ➔ [Checking Emails \(page 55\)](#)

4 Maintaining the scanners

You can take appropriate action according to the email content sent when a consumable part needs to be replaced or if an error occurs. For more details, refer to the Operator's Guide of your scanner model.

See also

[Main Functions \(page 11\)](#)

Setting up Exchange Online OAuth 2.0 Authentication for Sending Emails

- 1 In the [Preferences] window, select the [Send error notification e-mails] check box and configure settings.

→ [\[Preferences\]](#) (page 179)

- 2 Select the [Authentication is required] check box.
- 3 Select [Exchange Online OAuth 2.0 authentication] for [Authentication Method].
- 4 Click the [Obtain] button to obtain an authorization code.

The authorization code appears and the [Obtain] button changes to the [Refresh] button.

- 5 Click the [Copy] button to copy the authorization code.
- 6 Click the [Start authentication] button and follow the instructions on the window to authenticate.

When the window to enter an authorization code appears, paste the code you copied in Step 5. When authentication is complete, [Completed] will appear in the [Authentication Status] and the authenticated user name will be displayed.

TIP

If authentication fails or reauthentication is required, follow the steps below to reauthenticate.

- 1 Click the [Refresh] button to obtain an authorization code.
- 2 Click the [Copy] button to copy the authorization code.
- 3 Click the [Reauthenticate] button and follow the instructions on the window to authenticate. When authentication is complete, [Completed] will appear in the [Authentication Status] and the authenticated user name will be displayed.

Checking Emails

Check the sent emails.

- **Format of an email sent when an error occurred in a managed scanner or computer**

The following is the format of an email that would be sent if a consumable part needs to be replaced or if an error occurs.

Subject

- When emails are sent from PaperStream Central Admin
Message from PaperStream Central Admin (*1)
- When emails are sent from PaperStream Central Admin Agent
Message from PaperStream Central Admin Agent (*1)

Body

Examples of emails sent from PaperStream Central Admin are shown below.

- When an error occurred in the scanner

This email is an event notification from the PaperStream Central Admin [*computer from which the error message is sent*].
 Date/Time: *Message notification date/time* (Format: MM/DD/YYYY hh:mm:ss)
 Origin: *Serial number of the scanner related to the message*
 Model: *Model of the scanner related to the message*
 Serial Number: *Serial number of the scanner related to the message*
 IP Address: *IP address of the scanner from which the message is sent*
 Type: *Message type* (*2)
 Message Code: *Message code* (*3) (*4)
 Message: *Contents of the message* (*3) (*4)

- When an error has occurred in the computer

This email is an event notification from the PaperStream Central Admin [*computer from which the error message is sent*].
 Date/Time: *Message notification date/time* (Format: MM/DD/YYYY hh:mm:ss)
 Origin: *Computer name*
 Computer Name: *Computer name*
 Computer Serial Number: *Serial number of the computer related to the message*
 Operating System: *Operating System of the computer from which the message is sent*
 Type: *Message type* (*2)
 Message Code: *Message code* (*3) (*4)
 Message: *Contents of the message* (*3) (*4)

- When an error has occurred somewhere other than on the scanner or computer

This email is an event notification from the PaperStream Central Admin [*computer from which the error message is sent*].

Date/Time: *Message notification date/time* (Format: MM/DD/YYYY hh:mm:ss)
 Origin: *PaperStream Central Admin*
 Type: *Message type* (*2)
 Message Code: *Message code* (*3) (*4)
 Message: *Contents of the message* (*3) (*4)

*1:For a test email, the subject starts with "[Test]".

*2:Event types are as follows:

Error : Error message

Warning : Warning message

- (**hyphen**): Test email

*3:For details about the message codes and message descriptions, refer to [Message Code List \(page 216\)](#).

*4:A hyphen ("-") is always used for test email.

- **Format of an email sent when scanner information is sent regularly**

The following is the format of an email sent when the [Send scanner information regularly] check box is selected in the [Add / Edit "To:" Address] window in the process of configuring the email settings of PaperStream Central Admin Agent.

Subject

Message from PaperStream Central Admin Agent

Body

This email is a scanner information notification from the PaperStream Central Admin Agent
 [*computer from which the error message is sent*]. (*1)
 [The message that was registered in [Message] of the [Add / Edit "To:" Address] window]
 Collected Date/Time: (Format: MM/DD/YYYY hh:mm:ss)
 Origin: *Computer from which the message is sent*
 IP Address: *IP address of the computer from which the message is sent*
 Model: *Model of the scanner related to the message*
 Serial Number: *Serial number of the scanner related to the message*
 Operating System: *Operating System of the computer from which the message is sent*
 MAC Address: xx:xx:xx:xx:xx:xx
 Initial Use: (Format: MM/DD/YYYY hh:mm:ss)
 Connection Interface: xxxx
 Total Throughput: xxx
 Consumable Status (Sheets) (*1): xxx/xxx
 Consumable Status (*1): Normal/Replace soon/Replace now
 Operating Status: In use/Offline/Unreported
 Error Status: No/Yes
 Installed Scanner Software: xxxxxxxx

***1:**The status of each consumable in your scanner is displayed.

Linking with an SNMP Manager

This section describes the procedure to link with an SNMP manager in order to notify the SNMP manager of SNMP traps.

1 Pre-settings (SNMP manager)

- **Configuring the SNMP manager**
Enable the SNMP manager that receives SNMP traps.
The port number "UDP/162" is used for SNMP traps. Set this port for the network on the SNMP manager side so that SNMP traps can be received.
Refer to the SNMP manager manual for details.
- **Checking the address and community name of the SNMP manager**
Refer to the SNMP manager manual for details.

2 Configuring the settings to link with the SNMP manager

- To notify the SNMP manager of SNMP traps regarding an operated scanner from each Agent
Use PaperStream Central Admin Agent to configure the settings.
 - a [Installing PaperStream Central Admin Agent \(page 32\)](#)
 - b [Configuring the SNMP Trap Notification \(page 236\)](#)
- To notify the SNMP manager of SNMP traps regarding all managed scanners from PaperStream Central Admin.
Configure the settings in [SNMP Linkage] in the [Preferences] window of PaperStream Central Admin.
→ [\[Preferences\] \(page 179\)](#)

3 Checking the SNMP traps that the SNMP manager has been notified of

- [Checking SNMP Traps \(page 59\)](#)

4 Maintaining the scanners

You can take appropriate action according to the email content sent when a consumable part needs to be replaced or if an error occurs. For more details, refer to the Operator's Guide of your scanner model.

See also

[Main Functions \(page 11\)](#)

Checking SNMP Traps

You can check SNMP traps that would be sent if a consumable part needs to be replaced or if an error occurs.

Notify of traps as follows:

- Trap version
SNMPv1, SNMPv2c, or SNMPv3 for PaperStream Central Admin
SNMPv1 for PaperStream Central Admin Agent
- Community name
public as the default value (can be changed by setting)
- Generic Trap Type
enterpriseSpecific(6)
- Specific Trap Type
0

The SNMP trap OID is as follows:

- For PaperStream Central Admin
1.3.6.1.4.1.18886.1.4.1
- For PaperStream Central Admin Agent
1.3.6.1.4.1.18886.1.2.1

The SNMP trap format is as follows:

Date/Time, Origin, IP_Address, Model, Serial_Number, Event_Type, Message_Code, Message

Date/Time

Message notification date/time (Format: MM/DD/YYYY hh:mm:ss AM or PM)

Origin

Name of the computer or scanner from which the message is sent

IP_Address

Name of the computer or scanner from which the message is sent

Model

Model of the scanner related to the message

Serial_Number

Serial number of the scanner related to the message

Event_Type

Message type (*1)

Message_Code

Message code (*2) (*3)

Message

Contents of the message (*2) (*4)

*1: Event types are as follows:

- Information: Information message
- Error: Error message
- Warning: Warning message
- Test: Send a test message

*2: For details about the message codes and message descriptions, refer to [Message Code Notifications via SNMP Traps \(page 227\)](#).

*3: "0F090000" is always used as the test message.

*4: The following is used as the test message:

- For PaperStream Central Admin
This is a test message from PaperStream Central Admin.
- For PaperStream Central Admin Agent
This is a test message from PaperStream Central Admin Agent.

See also

[Error Messages Sent to the SNMP Manager \(page 230\)](#)

SNMP Agent Function List

The SNMP functions for PaperStream Central Admin supports the following messages:

Protocol Version	v1	v2c	v3
GET REQUEST	○	○	○
GET NEXT REQUEST	○	○	○
SET REQUEST	○	○	○
GET RESPONSE	○	○	○
TRAP	○	○	○
GET BULK REQUEST	—	○	○
INFORM REQUEST	—	○	○

○: Supported

—: Not supported

GET REQUEST

This cause PaperStream Central Admin (SNMP agent) to send the information about the OID specified on the SNMP manager to the SNMP manager. More than one OID can be specified.

➔ [OID/MIB \(page 64\)](#)

GET NEXT REQUEST

This cause PaperStream Central Admin (SNMP agent) to send the information about the next OID following the OID that was last specified on the SNMP manager to the SNMP manager. More than one OID can be specified.

➔ [Order of the OIDs \(page 72\)](#)

SET REQUEST

This enable the SNMP manager to reset the number of paper jam/multifeed occurrences on PaperStream Central Admin.

The following settings can be reset.

Paper jam, Multifeed: Occurrences within one day/Occurrences within throughput

Key Name	Key Description	Data Type	Access Permission	Corresponding OID in the MIB (*1)
pfuPscacleaningEventPeriodCount	Paper jam/Multifeed: Occurrences within one day	INTEGER	Read/Write	1.3.6.1.4.1.18886.1.4.N.1.16.1(#1) 1.3.6.1.4.1.18886.1.4.N.1.16.2(#2) ...

Key Name	Key Description	Data Type	Access Permission	Corresponding OID in the MIB (*1)
				1.3.6.1.4.1.18886.1.4.N. 1.16.51000(#51000)
pfuPscCleaningEventThroughputCount	Paper jam/Multifeed: Occurrences within throughput	INTEGER	Read/Write	1.3.6.1.4.1.18886.1.4.N. 1.16.1(#1) 1.3.6.1.4.1.18886.1.4.N. 1.16.2(#2) ... 1.3.6.1.4.1.18886.1.4.N. 1.16.51000(#51000)

*1: The last digit and the digit after # of each OID described in "Corresponding OID in the MIB" indicate the registration number (up to 51000) of the scanner registered with PaperStream Central Admin.

GET RESPONSE

This causes PaperStream Central Admin (SNMP agent) to send information in the GET RESPONSE format to the SNMP manager when a request to send the information is made on the SNMP manager.

TRAP

This causes PaperStream Central Admin (SNMP agent) to send an information notification to the SNMP manager.

➔ [Checking SNMP Traps \(page 59\)](#)

PaperStream Central Admin (SNMP agent) sends an information notification to the SNMP manager in the following case:

- When the scanner registered with PaperStream Central Admin notifies PaperStream Central Admin of an error/warning/information

GET BULK REQUEST

This causes PaperStream Central Admin (SNMP agent) to send the information about the next multiple OIDs (up to 10 OIDs) following the OID that was last specified on the SNMP manager. More than one OID can be specified.

➔ [Order of the OIDs \(page 72\)](#)

INFORM REQUEST

This causes PaperStream Central Admin (SNMP agent) to send an information notification to the SNMP manager.

After the notification is sent, PaperStream Central Admin (SNMP agent) will receive the result from the SNMP manager, stating whether the notification has been sent successfully.

If an error has occurred, error information is displayed in the event logs on PaperStream Central Admin.

➔ [Checking SNMP Traps \(page 59\)](#)

PaperStream Central Admin (SNMP agent) sends an information notification to the SNMP manager in the following case:

- When the scanner registered with PaperStream Central Admin notifies PaperStream Central Admin of an error/warning/information

OID/MIB

- Standard MIB

Key Name	Key Description	Data Type	Access Permission	Corresponding OID in the MIB (*1)
sysDescr	Description of the system <Vendor Name> <Model Name> <Serial Number> <Version>	STRING	Read Only	1.3.6.1.2.1.1.1.1(#1) 1.3.6.1.2.1.1.1.2(#2) ... 1.3.6.1.2.1.1.1.51000(#51000)
sysObjectID	OID in the expanded MIB for PFU 1.3.6.1.4.1.18886.1.4 (fixed)	IDENTIFIER	Read Only	1.3.6.1.2.1.1.2.1(#1) 1.3.6.1.2.1.1.2.2(#2) ... 1.3.6.1.2.1.1.2.51000(#51000)
ifPhysAddress	Description of the MAC address for the computer <MAC Address>	STRING	Read Only	1.3.6.1.2.1.2.2.1.6.1(#1) 1.3.6.1.2.1.2.2.1.6.2(#2) ... 1.3.6.1.2.1.2.2.1.6.51000(#51000)
hrDeviceIndex	Device index. Index of the scanners registered with the PaperStream Central Admin (1 to 51000).	INTEGER	Read Only	1.3.6.1.2.1.25.3.2.1.1.1(#1) 1.3.6.1.2.1.25.3.2.1.1.2(#2) ... 1.3.6.1.2.1.25.3.2.1.1.51000(#51000)
hrDeviceType	Device type. The fixed value below is used. HOST-RESOURCES-MIB::hrDeviceTypes.1	IDENTIFIER	Read Only	1.3.6.1.2.1.25.3.2.1.2.1(#1) 1.3.6.1.2.1.25.3.2.1.2.2(#2) ... 1.3.6.1.2.1.25.3.2.1.2.51000(#51000)
hrDeviceDescr	Description of the scanner, including the manufacturer, version, and serial number (optional) of the scanner. <Vendor Name> <Model Name> <Serial Number> <Version>	STRING	Read Only	1.3.6.1.2.1.25.3.2.1.3.1(#1) 1.3.6.1.2.1.25.3.2.1.3.2(#2) ... 1.3.6.1.2.1.25.3.2.1.3.51000(#51000)
hrDeviceID	OID in the expanded MIB for PFU	IDENTIFIER	Read Only	1.3.6.1.2.1.25.3.2.1.4.1(#1) 1.3.6.1.2.1.25.3.2.1.4.2(#2)

Key Name	Key Description	Data Type	Access Permission	Corresponding OID in the MIB (*1)
	1.3.6.1.4.1.18886.1.4 (fixed)			... 1.3.6.1.2.1.25.3.2.1.4.51000(#51000)
hrDeviceStatus	Power status of the scanner unknown(1): (power off) running(2): (power on)	INTEGER	Read Only	1.3.6.1.2.1.25.3.2.1.5.1(#1) 1.3.6.1.2.1.25.3.2.1.5.2(#2) ... 1.3.6.1.2.1.25.3.2.1.5.51000(#51000)
hrDeviceErrors	Error status of the scanner 0: No errors have occurred 1: Some errors have occurred	Counter32	Read Only	1.3.6.1.2.1.25.3.2.1.6.1(#1) 1.3.6.1.2.1.25.3.2.1.6.2(#2) ... 1.3.6.1.2.1.25.3.2.1.6.51000(#51000)
prtGeneralPrinterName	Model name of the scanner	STRING	Read Only	1.3.6.1.2.1.43.5.1.1.16.1(#1) 1.3.6.1.2.1.43.5.1.1.16.2(#2) ... 1.3.6.1.2.1.43.5.1.1.16.51000(#51000)
prtGeneralSerialNumber	Serial number of the scanner	STRING	Read Only	1.3.6.1.2.1.43.5.1.1.17.1(#1) 1.3.6.1.2.1.43.5.1.1.17.2(#2) ... 1.3.6.1.2.1.43.5.1.1.17.51000(#51000)
prtMarkerIndex	Index for ADF scanning 1 (fixed)	INTEGER	Read Only	1.3.6.1.2.1.43.10.2.1.1.1.1(#1) 1.3.6.1.2.1.43.10.2.1.1.1.2(#2) ... 1.3.6.1.2.1.43.10.2.1.1.1.51000(#51000)
	Index for flatbed scanning 2 (fixed)	INTEGER	Read Only	1.3.6.1.2.1.43.10.2.1.1.2.1(#1) 1.3.6.1.2.1.43.10.2.1.1.2.2(#2) ... 1.3.6.1.2.1.43.10.2.1.1.2.51000(#51000)
	Index for Return Scan 3 (fixed)	INTEGER	Read Only	1.3.6.1.2.1.43.10.2.1.1.3.1(#1) 1.3.6.1.2.1.43.10.2.1.1.3.2(#2) ... 1.3.6.1.2.1.43.10.2.1.1.3.51000(#51000)

Key Name	Key Description	Data Type	Access Permission	Corresponding OID in the MIB (*1)
prtMarkerCounterUnit	Index for ADF scanning Specify sheets(8). 8 (fixed)	INTEGER	Read Only	1.3.6.1.2.1.43.10.2.1.3.1.1(#1) 1.3.6.1.2.1.43.10.2.1.3.1.2(#2) ... 1.3.6.1.2.1.43.10.2.1.3.1.51000(#51000)
	Index for flatbed scanning Specify sheets(8). 8 (fixed)	INTEGER	Read Only	1.3.6.1.2.1.43.10.2.1.3.2.1(#1) 1.3.6.1.2.1.43.10.2.1.3.2.2(#2) ... 1.3.6.1.2.1.43.10.2.1.3.2.51000(#51000)
	Index for Return Scan Specify sheets(8). 8 (fixed)	INTEGER	Read Only	1.3.6.1.2.1.43.10.2.1.3.3.1(#1) 1.3.6.1.2.1.43.10.2.1.3.3.2(#2) ... 1.3.6.1.2.1.43.10.2.1.3.3.51000(#51000)
prtMarkerLifeCount	ADF Total Throughput	INTEGER	Read Only	1.3.6.1.2.1.43.10.2.1.4.1.1(#1) 1.3.6.1.2.1.43.10.2.1.4.1.2(#2) ... 1.3.6.1.2.1.43.10.2.1.4.1.51000(#51000)
	Flatbed Total Throughput	INTEGER	Read Only	1.3.6.1.2.1.43.10.2.1.4.2.1(#1) 1.3.6.1.2.1.43.10.2.1.4.2.2(#2) ... 1.3.6.1.2.1.43.10.2.1.4.2.51000(#51000)
	Return Scan Total Throughput	INTEGER	Read Only	1.3.6.1.2.1.43.10.2.1.4.3.1(#1) 1.3.6.1.2.1.43.10.2.1.4.3.2(#2) ... 1.3.6.1.2.1.43.10.2.1.4.3.51000(#51000)

*1: The last digit and the digit after # of each OID described in "Corresponding OID in the MIB" indicate the registration number (up to 51000) of the scanner registered with PaperStream Central Admin.

- Expanded MIB

Key Name	Key Description	Data Type	Access Permission	Corresponding OID in the MIB (*1)
pfuPscScannerIndex	Index of the scanners registered with the PaperStream Central Admin (1 to 51000).	INTEGER	Read Only	1.3.6.1.4.1.18886.1.4.N.1.1.1(#1) 1.3.6.1.4.1.18886.1.4.N.1.1.2(#2) ... 1.3.6.1.4.1.18886.1.4.N.1.1.51000(#51000)
pfuPscScannerName	Scanner name	STRING	Read Only	1.3.6.1.4.1.18886.1.4.N.1.2.1(#1) 1.3.6.1.4.1.18886.1.4.N.1.2.2(#2) ... 1.3.6.1.4.1.18886.1.4.N.1.2.51000(#51,000)
pfuPscModelName	Model name of the scanner	STRING	Read Only	1.3.6.1.4.1.18886.1.4.N.1.3.1(#1) 1.3.6.1.4.1.18886.1.4.N.1.3.2(#2) ... 1.3.6.1.4.1.18886.1.4.N.1.3.51000(#51000)
pfuPscSerialNo	Serial number of the scanner	STRING	Read Only	1.3.6.1.4.1.18886.1.4.N.1.4.1(#1) 1.3.6.1.4.1.18886.1.4.N.1.4.2(#2) ... 1.3.6.1.4.1.18886.1.4.N.1.4.51000(#51000)
pfuPscOperatingStatus	Power status of the scanner 1: unknown (power off) 2: running (power on)	INTEGER	Read Only	1.3.6.1.4.1.18886.1.4.N.1.5.1(#1) 1.3.6.1.4.1.18886.1.4.N.1.5.2(#2) ... 1.3.6.1.4.1.18886.1.4.N.1.5.51000(#51000)
pfuPscErrorStatus	Error status of the scanner	INTEGER	Read Only	1.3.6.1.4.1.18886.1.4.N.1.6.1(#1)

Key Name	Key Description	Data Type	Access Permission	Corresponding OID in the MIB (*1)
	0: No errors have occurred 1: Some errors have occurred			1.3.6.1.4.1.18886.1.4.N.1.6.2(#2) ... 1.3.6.1.4.1.18886.1.4.N.1.6.51000(#51000)
pfuPscAdfTotalThroughput	ADF Total Throughput (*2)	INTEGER	Read Only	1.3.6.1.4.1.18886.1.4.N.1.7.1(#1) 1.3.6.1.4.1.18886.1.4.N.1.7.2(#2) ... 1.3.6.1.4.1.18886.1.4.N.1.7.51000(#51000)
pfuPscFbTotalThroughput	Flatbed Total Throughput (*2)	INTEGER	Read Only	1.3.6.1.4.1.18886.1.4.N.1.8.1(#1) 1.3.6.1.4.1.18886.1.4.N.1.8.2(#2) ... 1.3.6.1.4.1.18886.1.4.N.1.8.51000(#51000)
pfuPscRtTotalThroughput	Return Scan Total Throughput (*2)	INTEGER	Read Only	1.3.6.1.4.1.18886.1.4.N.1.9.1(#1) 1.3.6.1.4.1.18886.1.4.N.1.9.2(#2) ... 1.3.6.1.4.1.18886.1.4.N.1.9.51000(#51000)
pfuPscFirmwareVersion	Firmware version of the scanner	STRING	Read Only	1.3.6.1.4.1.18886.1.4.N.1.10.1(#1) 1.3.6.1.4.1.18886.1.4.N.1.10.2(#2) ... 1.3.6.1.4.1.18886.1.4.N.1.10.51000(#51000)
pfuPscVendor	Vendor name ricoh (fixed)	STRING	Read Only	1.3.6.1.4.1.18886.1.4.N.1.11.1(#1) 1.3.6.1.4.1.18886.1.4.N.1.11.2(#2) ...

Key Name	Key Description	Data Type	Access Permission	Corresponding OID in the MIB (*1)
				1.3.6.1.4.1.18886.1.4.N.1.11.51000(#51000)
pfuPscacleaningCycle	Total Throughput after Cleaning (Sheets) (*2) (*3)	INTEGER	Read Only	1.3.6.1.4.1.18886.1.4.N.1.12.1(#1) 1.3.6.1.4.1.18886.1.4.N.1.12.2(#2) ... 1.3.6.1.4.1.18886.1.4.N.1.12.51000(#51000)
pfuPscacleaningCycleThreshold	Cleaning threshold (Total Throughput after Cleaning) (*2) (*3)	INTEGER	Read Only	1.3.6.1.4.1.18886.1.4.N.1.13.1(#1) 1.3.6.1.4.1.18886.1.4.N.1.13.2(#2) ... 1.3.6.1.4.1.18886.1.4.N.1.13.51000(#51000)
pfuPscacleaningFeedRollerStatus	Feed roller cleaning (*2) (*3) 0: Not required 1: Required	INTEGER	Read Only	1.3.6.1.4.1.18886.1.4.N.1.14.1(#1) 1.3.6.1.4.1.18886.1.4.N.1.14.2(#2) ... 1.3.6.1.4.1.18886.1.4.N.1.14.51000(#51000)
pfuPscacleaningAssistRollerStatus	Assist roller cleaning (*2) (*3) 0: Not required 1: Required	INTEGER	Read Only	1.3.6.1.4.1.18886.1.4.N.1.15.1(#1) 1.3.6.1.4.1.18886.1.4.N.1.15.2(#2) ... 1.3.6.1.4.1.18886.1.4.N.1.15.51000(#51000)
pfuPscacleaningGlass	Glass cleaning (*2) (*3) 0: Not required 1: Required	INTEGER	Read Only	1.3.6.1.4.1.18886.1.4.N.1.16.1(#1) 1.3.6.1.4.1.18886.1.4.N.1.16.2(#2) ... 1.3.6.1.4.1.18886.1.4.N.1.16.51000(#51000)

Key Name	Key Description	Data Type	Access Permission	Corresponding OID in the MIB (*1)
pfuPscacleaningEventPeriodCount	Paper jam, Multifeed: Occurrences within one day (*2) (*3)	INTEGER	Read/Write	1.3.6.1.4.1.18886.1.4.N.1.17.1(#1) 1.3.6.1.4.1.18886.1.4.N.1.17.2(#2) ... 1.3.6.1.4.1.18886.1.4.N.1.17.51000(#51000)
pfuPscacleaningEventPeriodCountThreshold	Paper jam, Multifeed: Cleaning threshold (Occurrences within one day) (*2) (*3)	INTEGER	Read Only	1.3.6.1.4.1.18886.1.4.N.1.18.1(#1) 1.3.6.1.4.1.18886.1.4.N.1.18.2(#2) ... 1.3.6.1.4.1.18886.1.4.N.1.18.51000(#51000)
pfuPscacleaningEventThroughputCount	Paper jam, Multifeed: Occurrences within throughput (*2) (*3)	INTEGER	Read/Write	1.3.6.1.4.1.18886.1.4.N.1.19.1(#1) 1.3.6.1.4.1.18886.1.4.N.1.19.2(#2) ... 1.3.6.1.4.1.18886.1.4.N.1.19.51000(#51000)
pfuPscacleaningEventThroughputCountThreshold	Paper jam, Multifeed: Cleaning threshold (Occurrences within throughput) (*2) (*3)	INTEGER	Read Only	1.3.6.1.4.1.18886.1.4.N.1.20.1(#1) 1.3.6.1.4.1.18886.1.4.N.1.20.2(#2) ... 1.3.6.1.4.1.18886.1.4.N.1.20.51000(#51000)
pfuPscapadAssemblyStatus	Pad Assy Status (*2) 0: Allowed 1: Replace soon 2: Replace now	INTEGER	Read Only	1.3.6.1.4.1.18886.1.4.N.1.21.1(#1) 1.3.6.1.4.1.18886.1.4.N.1.21.2(#2) ... 1.3.6.1.4.1.18886.1.4.N.1.21.51000(#51000)
pfuPscapickRollerStatus	Pick Roller Status (*2) 0: Allowed 1: Replace soon 2: Replace now	INTEGER	Read Only	1.3.6.1.4.1.18886.1.4.N.1.22.1(#1) 1.3.6.1.4.1.18886.1.4.N.1.22.2(#2)

Key Name	Key Description	Data Type	Access Permission	Corresponding OID in the MIB (*1)
				... 1.3.6.1.4.1.18886.1.4.N. 1.22.51000(#51000)
pfuPsc BrakeRollerStatus	Brake Roller Status (*2) 0: Allowed 1: Replace soon 2: Replace now	INTEGER	Read Only	1.3.6.1.4.1.18886.1.4.N. 1.23.1(#1) 1.3.6.1.4.1.18886.1.4.N. 1.23.2(#2) ... 1.3.6.1.4.1.18886.1.4.N. 1.23.51000(#51000)
pfuPsc SeparatorRollerStatus	Separator Roller Status (*2) 0: Allowed 1: Replace soon 2: Replace now	INTEGER	Read Only	1.3.6.1.4.1.18886.1.4.N. 1.24.1(#1) 1.3.6.1.4.1.18886.1.4.N. 1.24.2(#2) ... 1.3.6.1.4.1.18886.1.4.N. 1.24.51000(#51000)
pfuPsc PrintCartridgeStatus	Print Cartridge Status (*2) 0: Allowed 1: Replace soon 2: Replace now	INTEGER	Read Only	1.3.6.1.4.1.18886.1.4.N. 1.25.1(#1) 1.3.6.1.4.1.18886.1.4.N. 1.25.2(#2) ... 1.3.6.1.4.1.18886.1.4.N. 1.25.51000(#51000)

***1:** ● The last digit and the digit after # of each OID described in "Corresponding OID in the MIB" indicate the registration number (up to 51000) of the scanner registered with PaperStream Central Admin.

- The "N" described in "Corresponding OID in the MIB" represents the numbers of the tables that contain scanner indexes.

Each value contained in table "N" corresponds to a scanner index.

The following is an example of the relationship between "N" and the values.

2:1 to 100

3:101 to 200

4:201 to 300

5:301 to 400

The maximum values are as follows.

11: 901 to 1000 (when Gate Console is not used)

511:50901 to 51000 (when Gate Console is used)

*2:If the scanner is not equipped with any accessories, "-1" is returned.

*3:If the maintenance notifications are not enabled in the preferences of PaperStream Central Admin, "-1" is returned.

- **Order of the OIDs**

The order of the OIDs with GET NEXT REQUEST or GET BULK REQUEST is as follows:

OID (N: 2 to 511/x: 1 to 51000)	Information
1.3.6.1.2.1.1.1.x	sysDescr
1.3.6.1.2.1.1.2.x	sysObjectID
1.3.6.1.2.1.2.2.1.6.x	ifPhysAddress
1.3.6.1.2.1.25.3.2.1.1.x	hrDeviceIndex
1.3.6.1.2.1.25.3.2.1.2.x	hrDeviceType
1.3.6.1.2.1.25.3.2.1.3.x	hrDeviceDescr
1.3.6.1.2.1.25.3.2.1.4.x	hrDeviceID
1.3.6.1.2.1.25.3.2.1.5.x	hrDeviceStatus
1.3.6.1.2.1.25.3.2.1.6.x	hrDeviceErrors
1.3.6.1.2.1.43.5.1.1.16.x	prtGeneralPrinterName
1.3.6.1.2.1.43.5.1.1.17.x	prtGeneralSerialNumber
1.3.6.1.2.1.43.10.2.1.1.1.x	prtMarkerIndex
1.3.6.1.2.1.43.10.2.1.1.2.x	
1.3.6.1.2.1.43.10.2.1.1.3.x	
1.3.6.1.2.1.43.10.2.1.3.1.x	prtMarkerCounterUnit
1.3.6.1.2.1.43.10.2.1.3.2.x	
1.3.6.1.2.1.43.10.2.1.3.3.x	
1.3.6.1.2.1.43.10.2.1.4.1.x	prtMarkerLifeCount
1.3.6.1.2.1.43.10.2.1.4.2.x	
1.3.6.1.2.1.43.10.2.1.4.3.x	
1.3.6.1.4.1.18886.1.4.N.1.1.x	pfuPscScannerIndex
1.3.6.1.4.1.18886.1.4.N.1.2.x	pfuPscScannerName
1.3.6.1.4.1.18886.1.4.N.1.3.x	pfuPscModelName
1.3.6.1.4.1.18886.1.4.N.1.4.x	pfuPscSerialNo
1.3.6.1.4.1.18886.1.4.N.1.5.x	pfuPscOperatingStatus

OID (N: 2 to 511/x: 1 to 51000)	Information
1.3.6.1.4.1.18886.1.4.N.1.6.x	pfuPscErrorStatus
1.3.6.1.4.1.18886.1.4.N.1.7.x	pfuPscAdfTotalThroughput
1.3.6.1.4.1.18886.1.4.N.1.8.x	pfuPscFbTotalThroughput
1.3.6.1.4.1.18886.1.4.N.1.9.x	pfuPscRtTotalThroughput
1.3.6.1.4.1.18886.1.4.N.1.10.x	pfuPscFirmwareVersion
1.3.6.1.4.1.18886.1.4.N.1.11.x	pfuPscVendor
1.3.6.1.4.1.18886.1.4.N.1.12.x	pfuPscCleaningCycle
1.3.6.1.4.1.18886.1.4.N.1.13.x	pfuPscCleaningCycleThreshold
1.3.6.1.4.1.18886.1.4.N.1.14.x	pfuPscFeedRollerStatus
1.3.6.1.4.1.18886.1.4.N.1.15.x	pfuPscAssistRollerStatus
1.3.6.1.4.1.18886.1.4.N.1.16.x	pfuPscGlassCleaningStatus
1.3.6.1.4.1.18886.1.4.N.1.17.x	pfuPscCleaningEventPeriodCount
1.3.6.1.4.1.18886.1.4.N.1.18.x	pfuPscCleaningEventPeriodCountThreshold
1.3.6.1.4.1.18886.1.4.N.1.19.x	pfuPscCleaningEventThroughputCount
1.3.6.1.4.1.18886.1.4.N.1.20.x	pfuPscCleaningEventThroughputCountThreshold
1.3.6.1.4.1.18886.1.4.N.1.21.x	pfuPscPadAssemblyStatus
1.3.6.1.4.1.18886.1.4.N.1.22.x	pfuPscPickRollerStatus
1.3.6.1.4.1.18886.1.4.N.1.23.x	pfuPscBrakeRollerStatus
1.3.6.1.4.1.18886.1.4.N.1.24.x	pfuPscSeparatorRollerStatus
1.3.6.1.4.1.18886.1.4.N.1.25.x	pfuPscPrintCartridgeStatus

Managing More Than 1,000 Scanners and Computers

By using the Gate Console function to set a leader and followers, and then linking between multiple PaperStream Central Admin applications, you can manage more than 1,000 scanners and computers. You can also set Scanner Central Admin Server as a follower.

The procedure is explained below.

1 Make sure that WebSocket is enabled in IIS on Windows

ATTENTION

To use the Gate Console function, WebSocket must be enabled in Windows.

The following description uses Windows 10 as an example.

- 1 Select [Turn Windows features on or off] for [Programs and Features] in [Control Panel].
- 2 Click [Internet Information Services] → [World Wide Web Services] → [Application Development Features] and select [WebSocket Protocol].

If you change the settings to use HTTPS for communication, it may take several minutes for WebSocket to start up on some server operating systems.

2 Select one PaperStream Central Admin to be a leader

3 Set the selected PaperStream Central Admin as a leader

→ [Setting PaperStream Central Admin as a Leader \(page 75\)](#)

When a follower is registered to a leader, the status of the follower is indicated as "Unreported".

4 Set PaperStream Central Admin or Scanner Central Admin Server (that is not used as a leader) as a follower

→ [Setting PaperStream Central Admin as a Follower \(page 77\)](#)

This section also describes how to set Scanner Central Admin Server as a follower.

5 Perform the following in PaperStream Central Admin that you have set as the leader

- a In the follower list, check that the status of the follower is indicated as "Normal".
- b In the follower list, select the follower and click the [Synchronize the Followers] button.

The information on the follower list (on the leader side) is updated to be synchronized with the follower. The information about the follower's scanners and computers is also displayed in the window on the leader, so the leader can monitor and manage them as well.

See also

[Main Functions \(page 11\)](#)

Setting PaperStream Central Admin as a Leader

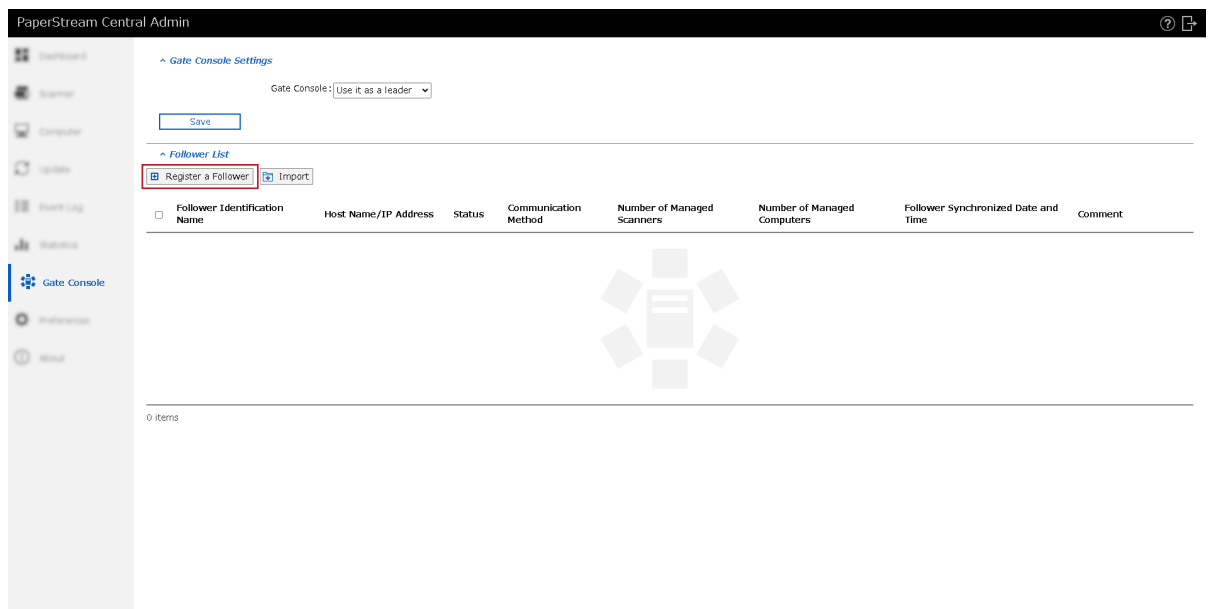
Set PaperStream Central Admin as a leader and register followers with it.

- 1 Select **[Use it as a leader]** for **[Gate Console]** and click the **[Save]** button.

→ [\[Gate Console\]](#) (page 173)



- 2 Click the **[Register a Follower]** button.



TIP

You can register multiple followers in bulk using the **[Import]** button.

- 3 In the **[Register a Follower]** window, set another PaperStream Central Admin application as a follower and click the **[Register]** button.

→ [Register a Follower] Window (page 177)



Register a Follower ?

Follower Identification Name:

Host Name/IP Address:

Comment:

The follower is registered and displayed in the follower list.

See also

[Managing Followers by a Leader \(page 88\)](#)

Setting PaperStream Central Admin as a Follower

- 1 Select [Use it as a follower] for [Gate Console], set each option, and click the [Save] button.

➔ [Gate Console] (page 173)

The screenshot shows the 'PaperStream Central Admin' interface. On the left is a navigation menu with 'Gate Console' highlighted. The main area is titled 'Gate Console Settings'. At the top, a dropdown menu for 'Gate Console' is set to 'Use it as a follower'. Below this are input fields for 'Leader's Host Name/IP address', 'Port Number' (pre-filled with 20444), and 'Follower Identification Name'. There is an unchecked checkbox for 'Use HTTPS for communication'. A 'Save' button is located at the bottom left of the settings panel.

TIP

You can set Scanner Central Admin Server as a follower by following the procedure below.

- 1 On the computer where Scanner Central Admin Server that you want to set as a follower is installed, update Scanner Central Admin Server by downloading the latest version of it from the website.
- 2 Download PaperStream Central Admin Server Option from the website and unzip the ZIP file.
- 3 Execute PSCA_ServerOption.exe to install PaperStream Central Admin Server Option.
- 4 Login from Scanner Central Admin Console to Scanner Central Admin Server.
- 5 Select [Use it as a follower] from the drop-down list for the Gate Console function in [Gate Console Settings] of the [Scanner Central Admin Server Settings (Common Settings)] window.
- 6 Set the host name and other options and save.

Usage

This section describes the usage of PaperStream Central Admin.

TIP

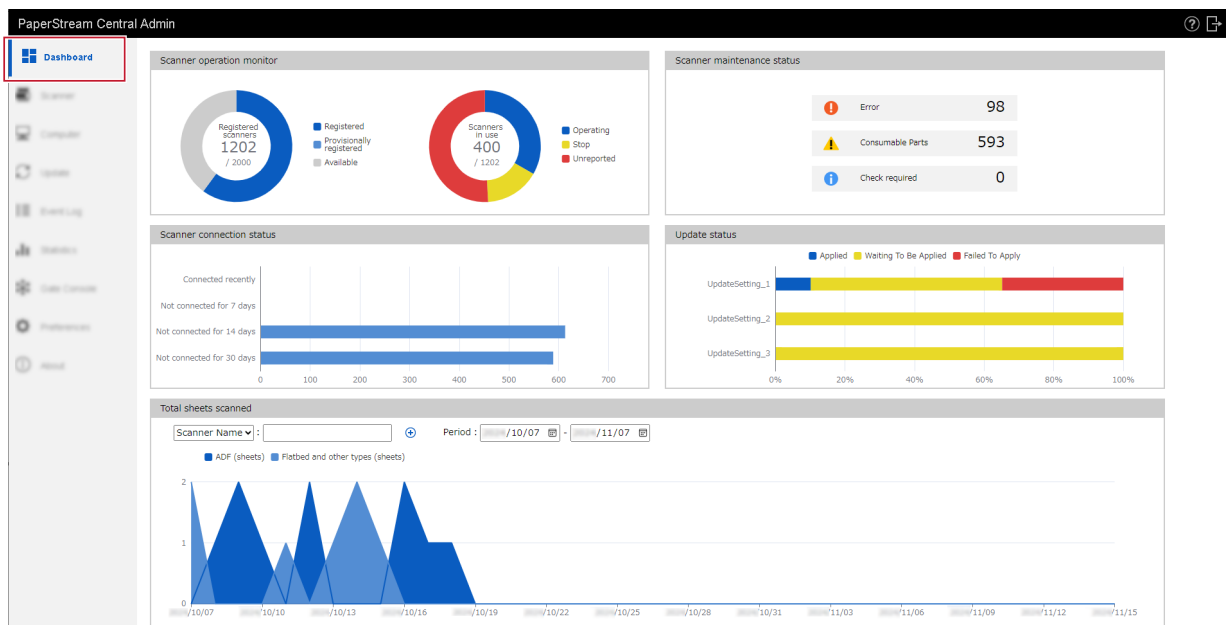
If your browser is not displaying or processing the data correctly, clearing your browser's cache may help.

Checking the Statuses of Scanners in the Dashboard

Monitor the scanners in a window that appears when you click the [Dashboard] menu.

The information on scanner operation monitor, maintenance status, connection status, update status, and total sheets scanned can be checked in one window.

If scanners that require replacement of consumable parts, on which an error occurs, or that require maintenance are found, take appropriate action on those scanners. For details about how to take appropriate action on those scanners, refer to the Operator's Guide for your scanner.



See also

[\[Dashboard\] \(page 93\)](#)

Managing Scanners

Manage scanners in a window that appears when you click the [Scanner] menu.

Scanners can be managed through operations such as adding, changing, and deleting the scanner configuration and checking scanner configuration about the scanner models, firmware/scanner driver versions, and other details.

"Scanner configuration" is information used to identify scanners on PaperStream Central Admin, when registering scanners with PaperStream Central Admin.

A set of scanner configuration can be related to a group. For example, sorting the scanners by department allows the individual departments to update their own scanners.

Registering scanners with PaperStream Central Admin automatically adds scanner configuration to the scanner list.

The screenshot displays the PaperStream Central Admin interface. The top navigation bar includes a search bar and an 'Advanced search' dropdown. Below the navigation bar is a toolbar with buttons for 'Scanner Search', 'Export', 'Scanner Details', 'Edit', 'Remove', 'Error To Lift', 'Event Log', 'Serial Number Registration', 'Delete duplicate registrations', 'Edit Group', and 'Edit items to display'. The main content area shows a table of scanner configurations with columns: Scanner Name, Serial Number, Status, Model, Interface, IP Address, Linkage Method, Computer Name, Comment, and Group. A red box highlights the 'Scanner' menu item in the left sidebar. Numbered callouts 1 through 11 point to various UI elements: 1 (Scanner menu), 2 (Search bar), 3 (Scanner Search dropdown), 4 (Export button), 5 (Scanner Details button), 6 (Edit button), 7 (Remove button), 8 (Error To Lift button), 9 (Event Log button), 10 (Serial Number Registration button), 11 (Delete duplicate registrations button).

1 Searching and registering scanners

From the [Scanner Search/IP Address Search] drop-down list, search unregistered scanners connected to a network and register them with PaperStream Central Admin.

- ➔ [Registering a Scanner \(Operated with Direct Connection\) \(page 42\)](#)
- ➔ [\[Scanner Search\] Window \(page 103\)](#)

2 Exporting information on the scanner list

Export information displayed in the scanner list into a file using the [Export] button.

3 Viewing the scanner details

Select a scanner name in the scanner list and click the [Scanner Details] button to view the details of the scanner.

→ [\[Scanner Details\] Window \(page 105\)](#)

4 Editing scanner configuration information

Select a scanner name in the scanner list and click the [Edit] button to edit the scanner configuration information.

→ [\[Edit Scanner Configuration Information\] Window \(page 108\)](#)

5 Removing scanners

Select a scanner name in the scanner list and click the [Remove] button to display a confirmation window, allowing you to remove the scanner.

6 Clearing error indications

When an error indication is displayed in [Status] in the scanner list, select a scanner name and click the [Error To Lift] button to clear the error indication.

Resolve the problems on the scanner first, and then clear the error indication.

7 Viewing scanner events

Select a scanner name in the scanner list and click the [Event Log] button to view the details of the events.

8 Registering the serial numbers of scanners

If you want to limit the scanners managed by PaperStream Central Admin, register the serial numbers of the scanners using the [Serial Number Registration] button.

If you are using the Gate Console function as a leader, you can limit the scanners managed by the leader and followers.

→ [\[Serial Number Registration\] Window \(page 112\)](#)

9 Removing unnecessary duplicate scanner registrations

If a scanner is registered in duplicate, the [Delete duplicate registrations] button can be used to remove unnecessary duplicate scanner registrations.

10 Editing scanner groups

Edit scanner groups managed with PaperStream Central Admin using the [Edit Group] button.

→ [\[Edit Group\] Window \(page 110\)](#)

11 Changing display items in the scanner list

Change the items to be displayed in the scanner list and their order using the [Edit items to display] button.

→ [\[Edit items to display\] Window \(page 111\)](#)

See also

[\[Scanner\] \(page 96\)](#)

Managing Computers

Manage information on computers in a window that appears when you click the [Computer] menu.

The screenshot shows the 'PaperStream Central Admin' interface. On the left is a navigation menu with 'Computer' selected. The main area displays a table of computers. Above the table are several action buttons: 'Export', 'Computer Details', 'Edit', 'Remove', and 'Event Log' (labeled 1-5). To the right of the table are buttons for 'Delete duplicate registrations', 'Edit Group', and 'Edit items to display' (labeled 6-8). The table has columns: Computer Name, IP Address, Scanner Name, Serial Number, Model, Interface, Comment, Group, and Update Status. The first row is selected. At the bottom, a pagination bar shows '2,000 items (1 - 10 items)' and page numbers 1, 2, 3, 4, 5, ..., 200.

1 Exporting information on the computer list

Export information displayed in the computer list into a file using the [Export] button.

2 Viewing the computer details

Select a computer name in the computer list and click the [Computer Details] button to view the details of the computer.

➔ [\[Computer Details\] Window \(page 117\)](#)

3 Editing the computer configuration information

Select a computer name in the computer list and click the [Edit] button to edit the computer configuration information.

➔ [\[Edit Computer Configuration Information\] Window \(page 119\)](#)

4 Removing computers

Select a computer name in the computer list and click the [Remove] button to display a confirmation window, allowing you to remove the computer.

5 Viewing computer events

Select a computer name in the computer list and click the [Event Log] button to view the details of the events.

6 Removing unnecessary duplicate computer registrations

If a computer is registered in duplicate, the [Delete duplicate registrations] button can be used to remove unnecessary duplicate computer registrations.

7 Editing computer groups

Edit computer groups managed with PaperStream Central Admin using the [Edit Group] button.

→ [\[Edit Group\] Window \(page 110\)](#)

8 Changing display items in the computer list

Change the items to be displayed in the computer list and their order using the [Edit items to display] button.

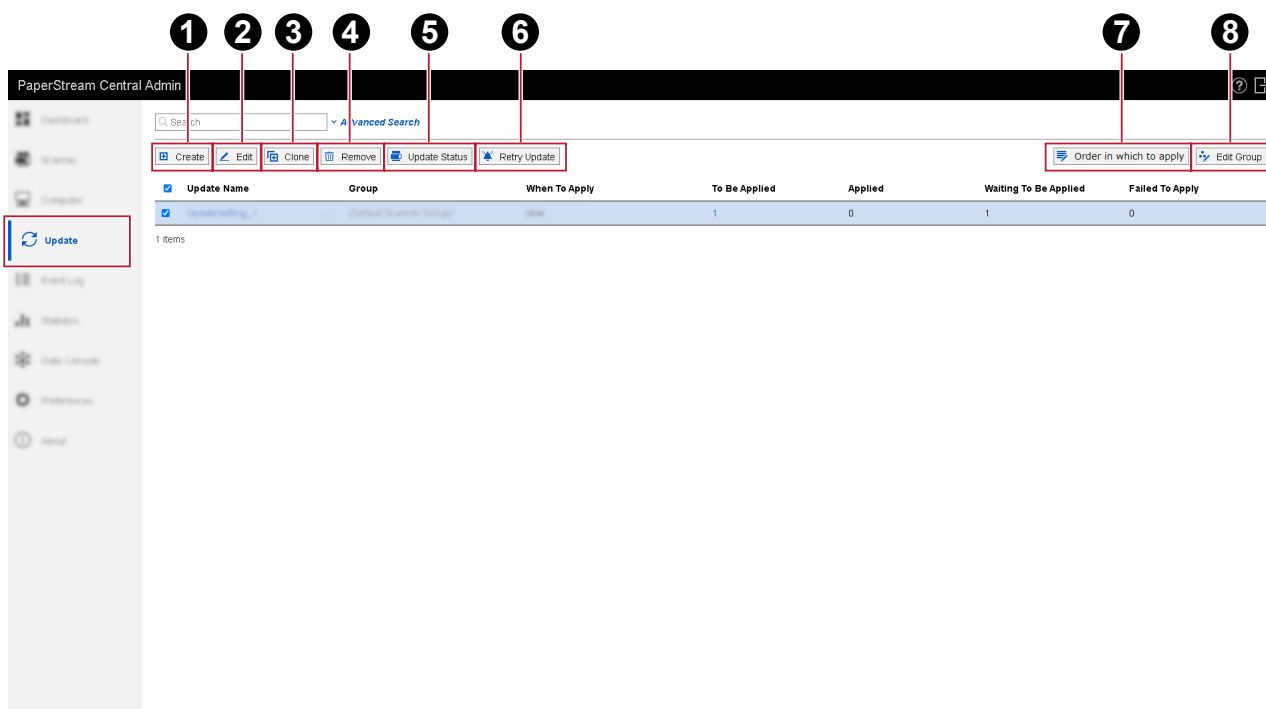
→ [\[Edit items to display\] Window \(page 111\)](#)

See also

[\[Computer\] \(page 113\)](#)

Managing Update Information

Manage update information in a window that appears when you click the [Update] menu.



1 Creating the new update information

Create the update information to be applied to the scanner and computer using the [Create] button.

→ [Creating Update Information \(page 49\)](#)

→ [\[To Be Applied\] Tab in the \[New update\]/\[Edit update\] Window \(page 123\)](#)

2 Editing the update information

Select an update name in the update list and click the [Edit] button to edit the update information.

→ [\[To Be Applied\] Tab in the \[New update\]/\[Edit update\] Window \(page 123\)](#)

3 Cloning the update information

Select an update name in the update list and click the [Clone] button to create another update information based on the selected update information.

→ [\[To Be Applied\] Tab in the \[New update\]/\[Edit update\] Window \(page 123\)](#)

4 Deleting the update information

Select an update name in the update list and click the [Remove] button to display a confirmation window, allowing you to delete the update information.

5 Checking the status of applying the update information

Select an update name in the update list and click the [Update Status] button to check the status of applying the update information.

→ [\[Update Status\] Window \(page 167\)](#)

6 Notifying scanners of the update information to apply (for fi-8040/SP-2240N/SP-2230N operated with direct connection)

Select an update name in the update list and click the [Retry Update] button to notify scanners of the update information and start to apply it.

7 Setting the order in which updates are applied

If there are multiple pieces of update information for a single scanner group or computer group, the [Order in which to apply] button can be used to set the order in which the updates will be applied.

→ [\[Order in which to apply\] Window \(page 166\)](#)

8 Editing scanner groups and computer groups

Edit scanner groups and computer groups managed with PaperStream Central Admin using the [Edit Group] button.

→ [\[Edit Group\] Window \(page 110\)](#)

See also

[\[Update\] \(page 120\)](#)

Checking Event Logs

Manage the event logs in a window that appears when you click the [Event Log] menu.

The screenshot shows the PaperStream Central Admin interface. The left sidebar has a menu with 'Event Log' highlighted. The main area displays a table of event logs with columns for Date/Time, Origin, Type, and Message. Above the table are buttons for 'Clear Log', 'Export', and 'Details'. Three numbered callouts (1, 2, 3) point to these buttons. The 'Event Log' menu item in the sidebar is also highlighted with a red box.

Date/Time	Origin	Type	Message
10/10/2024 10:00:00 AM	AFSCAN	Information	10/10/2024 PaperStream Central Admin PaperStream 起動しました。 設定グループ: 標準のグループ
10/10/2024 10:00:01 AM	AFSCAN	Information	10/10/24 3:00 PM - 設定更新: 10/10/2024 10:00:01 AMに更新されました。 設定グループ: 1
10/10/2024 10:00:02 AM	AFSCAN	Information	10/10/24 3:00 PM - 設定更新: 10/10/2024 10:00:02 AMに更新されました。 設定グループ: 1
10/10/2024 10:00:03 AM	AFSCAN	Information	10/10/24 3:00 PM - 設定更新: 10/10/2024 10:00:03 AMに更新されました。 設定グループ: 1
10/10/2024 10:00:04 AM	AFSCAN	Information	10/10/24 3:00 PM - 設定更新: 10/10/2024 10:00:04 AMに更新されました。 設定グループ: 1
10/10/2024 10:00:05 AM	AFSCAN	Information	10/10/24 3:00 PM - 設定更新: 10/10/2024 10:00:05 AMに更新されました。 設定グループ: 1
10/10/2024 10:00:06 AM	AFSCAN	Information	10/10/24 3:00 PM - 設定更新: 10/10/2024 10:00:06 AMに更新されました。 設定グループ: 1
10/10/2024 10:00:07 AM	AFSCAN	Information	10/10/24 3:00 PM - 設定更新: 10/10/2024 10:00:07 AMに更新されました。 設定グループ: 1
10/10/2024 10:00:08 AM	AFSCAN	Information	10/10/24 3:00 PM - 設定更新: 10/10/2024 10:00:08 AMに更新されました。 設定グループ: 1
10/10/2024 10:00:09 AM	AFSCAN	Information	10/10/24 3:00 PM - 設定更新: 10/10/2024 10:00:09 AMに更新されました。 設定グループ: 1
10/10/2024 10:00:10 AM	AFSCAN	Information	10/10/24 3:00 PM - 設定更新: 10/10/2024 10:00:10 AMに更新されました。 設定グループ: 1
10/10/2024 10:00:11 AM	AFSCAN	Information	10/10/24 3:00 PM - 設定更新: 10/10/2024 10:00:11 AMに更新されました。 設定グループ: 1
10/10/2024 10:00:12 AM	AFSCAN	Information	10/10/24 3:00 PM - 設定更新: 10/10/2024 10:00:12 AMに更新されました。 設定グループ: 1
10/10/2024 10:00:13 AM	AFSCAN	Information	10/10/24 3:00 PM - 設定更新: 10/10/2024 10:00:13 AMに更新されました。 設定グループ: 1
10/10/2024 10:00:14 AM	AFSCAN	Information	10/10/24 3:00 PM - 設定更新: 10/10/2024 10:00:14 AMに更新されました。 設定グループ: 1
10/10/2024 10:00:15 AM	AFSCAN	Information	10/10/24 3:00 PM - 設定更新: 10/10/2024 10:00:15 AMに更新されました。 設定グループ: 1
10/10/2024 10:00:16 AM	AFSCAN	Information	10/10/24 3:00 PM - 設定更新: 10/10/2024 10:00:16 AMに更新されました。 設定グループ: 1
10/10/2024 10:00:17 AM	AFSCAN	Information	10/10/24 3:00 PM - 設定更新: 10/10/2024 10:00:17 AMに更新されました。 設定グループ: 1
10/10/2024 10:00:18 AM	AFSCAN	Information	10/10/24 3:00 PM - 設定更新: 10/10/2024 10:00:18 AMに更新されました。 設定グループ: 1
10/10/2024 10:00:19 AM	AFSCAN	Information	10/10/24 3:00 PM - 設定更新: 10/10/2024 10:00:19 AMに更新されました。 設定グループ: 1
10/10/2024 10:00:20 AM	AFSCAN	Information	10/10/24 3:00 PM - 設定更新: 10/10/2024 10:00:20 AMに更新されました。 設定グループ: 1

1 Clearing event logs

Clicking the [Clear Log] button displays a confirmation window, allowing you to clear any event logs displayed in the event log list.

2 Exporting event logs to a file

Export all the event logs displayed in the event log list into to a file using the [Export] button.

3 Viewing the details of event logs

Select an event log in the event list and click the [Details] button to view the details of the event log.

➔ [\[Event Details\] Window \(page 170\)](#)

See also

[\[Event Log\] \(page 169\)](#)

Checking Statistics Information

Manage statistics information in a window that appears when you click the [Statistics] menu.

The screenshot shows the PaperStream Central Admin interface. On the left sidebar, the 'Statistics' menu item is highlighted with a red box and labeled '1'. The main window displays a summary table with columns: Total (sheets), ADF (sheets), and Flatbed and other types (sheets). Below this is a search bar and 'Export' and 'Details' buttons, with 'Export' and 'Details' highlighted by a red box and labeled '2'. The main table has columns: Scanner Name, Group Name, Model, Serial Number, Total (sheets), ADF (sheets), Flatbed and other types (sheets), Comment, and Status. The table contains 2,002 items, with the first 10 items visible. A pagination bar at the bottom shows '2,002 items (1 - 10 items)' and page numbers 1 through 201.

1 Exporting statistics information

Export all the statistics information displayed in the list of the statistics into a file using the [Export] button.

2 Viewing the details of statistics information

Select a scanner in the list of the statistics and click the [Details] button to view the details of the scanner.

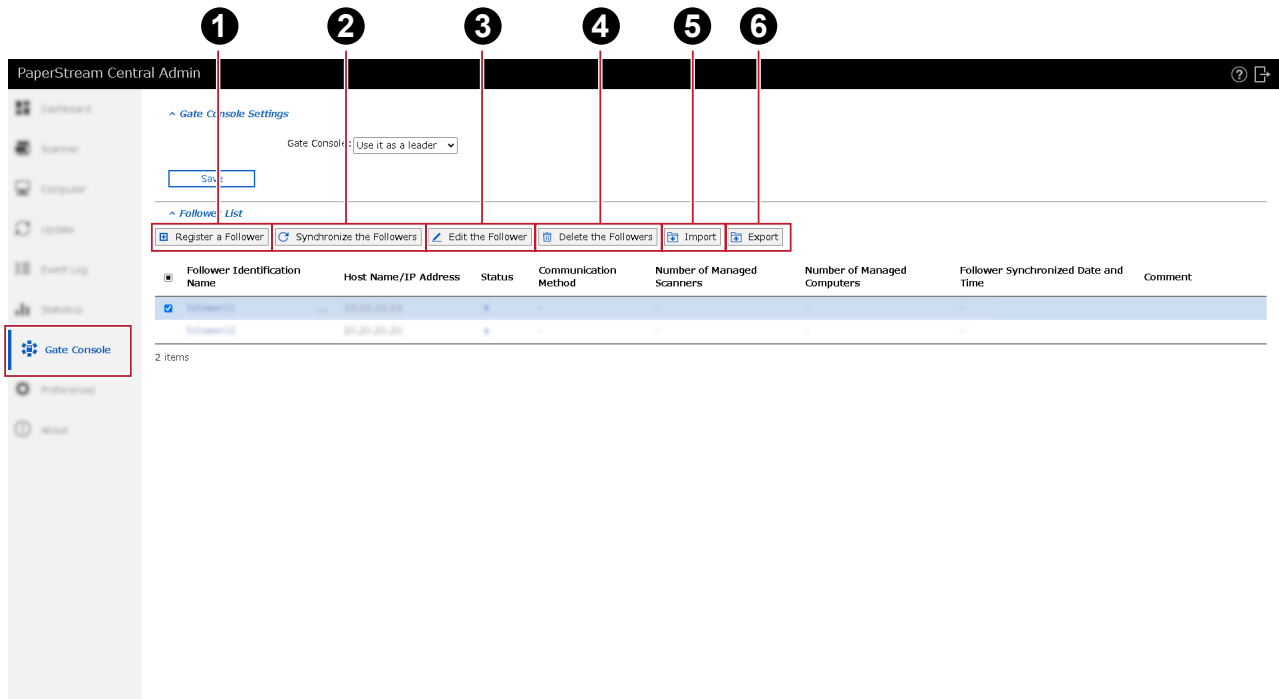
➔ [\[Scanner Details\] Window \(page 105\)](#)

See also

[\[Statistics\] \(page 171\)](#)

Managing Followers by a Leader

When using PaperStream Central Admin as a leader to monitor more than 1,000 scanners, manage followers in a window that appears when you click the [Gate Console] menu.



1 Registering followers

Register PaperStream Central Admin that you want to make your follower using the [Register a Follower] button.

→ [\[Register a Follower\] Window \(page 177\)](#)

2 Requesting followers to synchronize data

Request PaperStream Central Admin registered as followers to synchronize data using the [Synchronize the Followers] button.

3 Editing the follower information

Select a follower identification name in the follower list and click the [Edit the Follower] button to edit the follower information.

→ [\[Edit the Follower\] Window \(page 178\)](#)

4 Removing followers

Select a follower identification name in the follower list and click the [Delete the Followers] button to display a confirmation window, allowing you to remove the follower.

5 Registering followers in bulk

Import files to register multiple followers in bulk using the [Import] button.

6 Exporting the follower information

Export the follower information into to a file using the [Export] button.

See also

[\[Gate Console\] \(page 173\)](#)

Windows

This section describes items in each window.

TIP

If your browser is not displaying or processing the data correctly, clearing your browser's cache may help.

• Window components

The following description uses the [Scanner] (page 96) window as an example.

The screenshot shows the PaperStream Central Admin interface. The top navigation bar includes a menu icon (1), a help icon (2), and a logout icon (3). Below the navigation bar is a search box (4) and a toolbar with various actions (5). The main content area displays a table of scanner data (6) with columns for Scanner Name, Serial Number, Status, Model, Interface, IP Address, Linkage Method, Computer Name, Comment, and Group. A row in the table is highlighted (7). At the bottom of the table, there is a footer showing the total number of items and a pagination control (8).

1 Menu

For details, refer to [Menu \(page 92\)](#).

To refresh the window, click the menu item for the window you are viewing again.

2 Help

Displays an explanation of the window that is currently displayed.

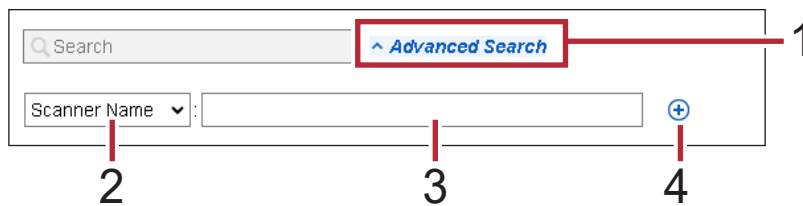
3 Logout

Logs out of PaperStream Central Admin.

4 Search box

Enter a search string and press the [Enter] key to search all the contents in the list.

This can be up to 64 characters long. A wildcard character cannot be used for searching. Clicking [Advanced Search] enables you to specify a search condition for each item in the list.



- 1 Click the [Advanced Search] button.
- 2 From the drop-down list, select an item name in the list on the window.
- 3 Enter a search string in the search box.
- 4 Click the [+] button.
The column with the item name selected from the drop-down list is searched.

TIP

- No more than one condition can be set for one item.
- To remove the search condition, click the [-] button for the condition that has been added.
- A search using the search box and a search using [Advanced Search] cannot be carried out simultaneously. Priority is given to a search using [Advanced Search].

5 Operation buttons

You can operate the displayed list using these buttons. Only lines with the check boxes selected in the list are operated.

6 List

Lists the registered items.

7 [...] button

This button is displayed when the check box is selected.

Clicking the [...] button displays the menus that can be used for the line.

8 Check box

Select the check boxes of the targets before clicking each operation button to perform an operation on them.

- **Menu**

- [\[Dashboard\] \(page 93\)](#)

- Displays the operating status and maintenance status of scanners.

- [\[Scanner\] \(page 96\)](#)

- Displays information for scanners operated with direct connection or operated with Agent.

- [\[Computer\] \(page 113\)](#)

- Displays information for computers operated with Agent.

- [\[Update\] \(page 120\)](#)

- Used to configure settings for applying updates to scanners and computers and to check update statuses.

- [\[Event Log\] \(page 169\)](#)

- Displays the events output from PaperStream Central Admin.

- [\[Statistics\] \(page 171\)](#)

- Displays the statistics information of the scanners.

- [\[Gate Console\] \(page 173\)](#)

- Used to configure settings for the Gate Console function.

- [\[Preferences\] \(page 179\)](#)

- Used to set the preferences for PaperStream Central Admin.

- [\[About\] \(page 194\)](#)

- Displays the version of PaperStream Central Admin.

Login Window

Enter a use name and password for logging in to PaperStream Central Admin.

Username

Enter a user name for logging in to PaperStream Central Admin.
The default value is "admin".

Password

Enter a password for logging in to PaperStream Central Admin.
The default value is "password".

[Login] button

Logs in to PaperStream Central Admin with the user name and password that you entered.

[Dashboard]

View scanner statuses such as the operating status, maintenance status, connection status, update status, and information on the total number of sheets scanned.

When using the Gate Console function, also refer to [Specifications for Using the Gate Console Function \(page 259\)](#).

Scanner operation monitor

Displays the operating status of managed scanners.

When you move the mouse pointer over the chart, the corresponding number of scanners is displayed.

Click the chart to display the [Scanner] window, where you can view details.

- Registered scanners

Displays the registration status of scanners.

[Number of registered scanners/maximum number of scanners that can be registered] is displayed in the center of the chart.

- Registered

Displays the number of scanners registered with PaperStream Central Admin.

- Provisionally registered

Displays the number of scanners provisionally registered with PaperStream Central Admin.

The status of provisionally registered means that the scanners have been searched and registered from the [Scanner Search] window, but communication with those scanners has not yet been established.

- Available

Displays the remaining number of scanners that can be registered with PaperStream Central Admin.

- Scanners in use

Displays the operating status of scanners.

[Number of scanners in use/number of registered scanners] is displayed in the center of the chart.

- Operating

Displays the number of scanners that are currently operating.

If scanners are connected to PaperStream NX Manager, scanners that are logged out of PaperStream NX Manager are also included in the number of currently operating units.

- Stop

Displays the number of scanners that are currently turned off.

- Unreported

Displays the number of scanners whose operating status is not reported.

Scanner maintenance status

Displays the number of scanners that require maintenance.

Click each icon or each number of scanners to display the [Scanner] window, where you can view details.

Error

Displays the number of scanners on which an error has occurred.

Consumable Parts

Displays the number of scanners whose consumable parts are soon to pass or have passed their rated lifetime already.

Check required

Displays the number of scanners for which cleaning is needed, a paper jam has occurred, or the number of multifeed occurrences has exceeded the specified number of times.

Scanner connection status

Displays the status of the connection between the scanners and PaperStream Central Admin. When you move the mouse pointer over the chart, the corresponding number of scanners is displayed. Click the chart to display the [Scanner] window, where you can view details.

Update status

Displays the status of applying updates. The update names are displayed in the same order as in the update list in the [Update] window. When you move the mouse pointer over the chart, the corresponding number of scanners or computers is displayed. Click the chart to display the [Update Status] window, where you can view details.

- **Applied**
Displays the number of scanners or computers to which the updates have been applied.
- **Waiting To Be Applied**
Displays the number of scanners or computers to which the updates are waiting to be applied.
- **Failed To Apply**
Displays the number of scanners or computers to which the updates failed to be applied.

Total sheets scanned

Displays the total number of sheets scanned by each scanner per date according to the specified filter conditions and/or period. Displays information for the past month by default. When you move the mouse pointer over the chart, details of the number of sheets scanned are displayed. The total sheets scanned by other than the ADF is displayed in [Flatbed or Other Types]. Click the chart to display the [Statistics] window, where you can view details.

Filter conditions

Specify filter conditions for scanners.

- From the drop-down list, select an item by which to filter the scanners. Filter conditions can be specified for each selected item.

Up to 64 characters can be entered for [Scanner Name] and [Comment]. This is case insensitive.

- Click the [+] button to add a filter condition and display the total number of sheets scanned according to the specified condition.

TIP

- No more than one condition can be set for one item.
- To remove a filter condition, click the [-] button for a condition that has been added.

Period

Specify the period. A value between the date one year prior and the current date can be specified.

[Scanner]

View the scanner information.

When using the Gate Console function, also refer to [Specifications for Using the Gate Console Function \(page 259\)](#).

[Scanner Search/IP Address Search] drop-down list

Search for scanners that have not been registered with PaperStream Central Admin.

Use the drop-down list to switch [Scanner Search] and [IP Address Search] to display the [Scanner Search] window that suits your purpose.

➔ [\[Scanner Search\] Window \(page 103\)](#)

- Scanner Search

Select this to search for scanners in the same subnetwork.

- IP Address Search

Select this to search for scanners by specifying the IP address range. When searching for scanners that are connected to a different subnetwork, specify the IP address range to search for them.

[Export] button

Exports the information displayed in the scanner list into a CSV file.

For details about a CSV file, refer to [Scanner Configuration File Format \(page 264\)](#).

An export confirmation window appears.

TIP

When HTTPS is used to communicate with a browser for PaperStream Central Admin, clear the following check box temporarily in order to export the file.

[Control Panel] → [Internet Options] → [Advanced] tab → [Do not save encrypted pages to disk] under [Security]

[Scanner Details] button

Click this button to view the details of the scanners.

The [Scanner Details] window appears.

➔ [\[Scanner Details\] Window \(page 105\)](#)

This button is displayed when a check box is selected in the scanner list.

[Edit] button

Edit scanner configuration information.

The [Edit Scanner Configuration Information] window for the selected scanner is displayed.

➔ [\[Edit Scanner Configuration Information\] Window \(page 108\)](#)

This button is displayed when a check box is selected in the scanner list.

[Remove] button

Removes the scanner that is managed.


This button is displayed when a check box is selected in the scanner list.


ATTENTION



If the scanner can be operated with both direct connection and Agent, the direct connection takes precedence. After removing a scanner that was operated with direct connection, the scanner cannot be operated with Agent and registered with PaperStream Central Admin.

When changing the scanner's linkage method from direct connection to Agent, disable the linkage with PaperStream Central Admin in the scanner's settings, and then use PaperStream Central Admin Agent to reestablish the linkage with PaperStream Central Admin.

[Error To Lift] button

Click this button to clear  (Error) displayed in [Status] in the scanner list.

This button is displayed when the check box for the scanner with  (Error) displayed in [Status] is selected.

If  (Error) is displayed in [Status] in the scanner list, applying the updates to the scanner cannot be resumed until  (Error) is cleared.

TIP

Before clearing  (Error), resolve the problems on the scanner.

[Event Log] button

Click this button to view scanner events.

The [Event Log] window appears with the display narrowed down to only the events for the relevant scanner.

➔ [\[Event Log\] \(page 169\)](#)

[Serial Number Registration] button

Used to register scanner serial numbers so that only scanners with registered serial numbers can connect to PaperStream Central Admin.

The [Serial Number Registration] window appears.

➔ [\[Serial Number Registration\] Window \(page 112\)](#)

[Delete duplicate registrations] button

Removes unnecessary duplicate scanner registrations if a scanner is registered in duplicate.

In the [Delete duplicate registrations] window that appears, select and remove scanner registrations that no longer need to be managed.

This button is displayed when PaperStream Central Admin you are using is a leader and the scanner is registered in duplicate as follows:

- Registered with the leader and a follower
- Registered with multiple followers

Note that information about the removed scanner registrations will remain in the leader's event log and statistics information.

[Edit Group] button

Edit scanner group information.

The [Edit Group] window appears.

➔ [\[Edit Group\] Window \(page 110\)](#)

[Edit items to display] button

Edit the items to be displayed in the scanner list.

The [Edit items to display] window appears.

➔ [\[Edit items to display\] Window \(page 111\)](#)

Scanner list

Lists the information of the managed scanners.

TIP

- Depending on the scanner model in use, "N/A" is displayed for items that are not supported for display.
Also, "-" is displayed for items for which information cannot be obtained.
- If a scanner is operated with Agent and also with direct connection, it is displayed as a scanner with direct connection in the scanner list. Also, in the computer list, the computer operated with Agent is displayed, but the scanner name is displayed as [Not connected].

Scanner Name

Displays the names of scanners.

Click a name link in the [Scanner Name] column to display the [Scanner Details] window.

➔ [\[Scanner Details\] Window \(page 105\)](#)

Serial Number

Displays the serial numbers of scanners.

Status

Displays the icon for the status of each scanner.

(Normal)


The scanner functions normally.

(Stop)

The scanner is turned off.

? (Unreported)

The scanner status is either of the following:

- The scanner is provisionally registered with PaperStream Central Admin
Once a provisionally registered scanner communicates with PaperStream Central Admin, this status will change to  (Normal).
If the "Unreported" status continues, refer to "[Unreported](#)" [Mark Remains in \[Status\] for a Scanner \(page 196\)](#).
- The scanner registered with PaperStream Central Admin is being managed by another PaperStream Central Admin application

! (Error)

Error has occurred. Check the event logs and deal with them.






! (Warning)

Take the proper action on the scanner, such as cleaning it or replacing the consumable parts. Check the event logs and deal with them.

i (Notification)

A notification has been sent from the scanner. Check the event logs and deal with them.

TIP

- Only one icon is displayed at a time. If multiple notifications are received, the icon displayed is in the following order of priority:  (Stop) > ? (Unreported) >  (Error) >  (Warning) >  (Notification). For example, if the "Offline" and "Error" notifications are received, the displayed icon is  (Stop).
- To check if multiple notifications are received, refer to the [\[Scanner Details\] Window \(page 105\)](#).
To check the status in detail, also refer to each item in [Operating Status], [Check required], [Consumable Parts], and [Error].

Model

Displays the models of scanners.

Interface

Displays the interfaces of scanners.

- Network(NX Manager)

The scanner is linked with PaperStream NX Manager.

- Network(DirectScan)
The scanner is connected to a network without a computer.
- Network(Computer)
The scanner is connected to a computer via a network.
- USB 2.0, USB 3.0
The scanner is connected to a computer via a USB cable.

IP Address

Displays the IP addresses of scanners.

MAC Address

Displays the MAC addresses of scanners.

Follower Identification Name

Displays the follower identification names if PaperStream Central Admin you are using is a leader.

Communication Method

Displays the communication methods that are configured for the scanners.

- HTTPS
- HTTP

Linkage Method

Displays how this product is linked with scanners.

- Operated with direct connection
This is displayed when a scanner is linked with this product directly.
- Operated with Agent
This is displayed when a scanner is linked with this product through PaperStream Central Admin Agent

Computer Name

Displays the names of computers.

Comment

Displays optional comments entered by users on the scanners with this product.

Group

Displays the names of groups that scanners belong to.

Update Status

Displays the application status of updates (firmware and scanner settings) for each scanner.

- Unregistered
The scanner is provisionally registered with PaperStream Central Admin.

- **No Application**
The updates will not be applied to the scanner.
- **Applied**
The updates have been applied.
- **Waiting To Be Applied**
The updates are waiting to be applied.
- **Failed To Apply**
The updates failed to be applied.

Last Status Update

Displays the dates and times when information was updated to the currently displayed settings.

Initial Use

Displays the dates when the scanners started being used.

Operating Status

Displays the operating status of each scanner.

- **Operating**
Indicates that the scanners registered with PaperStream Central Admin function normally.
- **Provisionally registered**
The scanner is provisionally registered with PaperStream Central Admin.
- **Unreported**
The scanner registered with PaperStream Central Admin is being managed by another PaperStream Central Admin application.
- **Stop**
The scanner is turned off.
- **Logout**
The scanner is logged out from PaperStream NX Manager.
- **Login**
The scanner is logged in to PaperStream NX Manager.
If the scanner is operated with Agent, the scanner functions normally.

Check required

Displays whether scanners need checking.

- **Normal**
The scanner functions normally.
- **Check required**
The scanner needs cleaning, a paper jam has occurred, or the number of multifeed occurrences has exceeded the specified number of times. Check the scanner.

Consumable Parts

Displays whether consumables need replacing in each scanner.

- Normal
The scanner functions normally.
- Consumable Replacement
Consumables need replacing in the scanner.

Error

Displays whether an error has occurred in each scanner.

- Normal
The scanner functions normally.
- Error
An error has occurred in the scanner.

ADF (Sheets)

Displays the ADF total throughput.

For fi-800R, displays the total throughput with U-turn Scan here.

Flatbed or Other Types (Sheets)

Displays the total throughput by other openings of scanners.

For fi-800R, displays the total throughput with Return Scan here.

Firmware

Displays the firmware version of each scanner.

Imprinter Firmware

Displays the firmware version of each scanner (with the imprinter installed).

Optional Items

After the items to be managed are added in [Add custom fields] of the [Preferences] window, up to 10 items are displayed as [Optional Items].

See also

[I Want to Clear Error Marks on Scanner Information \(page 197\)](#)

[\[Event Log\] \(page 169\)](#)

[Scanner Search] Window

Detect scanners connected to a network and register them for managing from PaperStream Central Admin. Up to 1000 scanners can be registered.

Search Range

This is displayed when [IP Address Search] is selected from the [Scanner Search/IP Address Search] drop-down list in [Scanner].

Enter a range of IP addresses in the format "xxx.xxx.xxx.xxx" when you want to search for scanners by IP addresses.

Click the [+] button to add the range of IP addresses that you entered to the search conditions. Click the [-] button for a search condition to remove it from the search conditions.

ATTENTION

If the specified ranges of IP addresses overlap, an error will occur. Correct the ranges of IP addresses to avoid overlap.

[Start] button

Starts the search.

[Pause] button

Pauses the search. While the search is suspended, clicking the [Start] button resumes the search.

[Stop] button

Stops the search.

Host Name/IP address

Enter the host name, FQDN, or IP address (IPv4 address format) of PaperStream Central Admin where the scanners are registered. This can be up to 255 characters long.

Alphanumeric characters, "-", and "." can be used. Note that this is case insensitive.

Port Number

Enter a port number between 1 and 65535, to be used for communication between the scanners and PaperStream Central Admin. The default value is "20444".

Search Results

Lists the search results.

After the search is complete, the number of scanners that were detected is displayed.

Select scanners that you want to register from among scanners with the check boxes displayed.

TIP

In the [Linkage Status] column, the linkage status of the scanner is displayed.

Depending on the scanner model in use, "N/A" is displayed for items that are not supported for display.

- **Not linked**
The scanner has not been linked with PaperStream Central Admin, Scanner Central Admin Desktop, or Scanner Central Admin Server.
- **Linked**
The scanner has been linked with PaperStream Central Admin that you are operating. The scanner with this status cannot doubly be registered as a scanner managed in PaperStream Central Admin that you are operating.
- **Linked with other Central Admin products**
The scanner has been linked with a different PaperStream Central Admin, Scanner Central Admin Desktop, or Scanner Central Admin Server than the currently operating PaperStream Central Admin.
The scanner with this status can be registered as (changed to) a scanner managed in PaperStream Central Admin that you are operating.

[Add] button

Click this button to register scanners with the check box selected in the search results. The registered scanners are displayed in the scanner list.

[Cancel] button

Cancels the settings and returns to the previous window.

TIP

If a desired scanner is not displayed in the search results, refer to [A Scanner to Be Registered Is Not Displayed in the \[Scanner Search\] Window \(page 195\)](#).

See also

[\[Scanner\] \(page 96\)](#)

[Scanner Details] Window

View the details of scanners and computers.

[Edit] button

Edit configuration information.

The [Edit Scanner Configuration Information] window appears.

➔ [\[Edit Scanner Configuration Information\] Window \(page 108\)](#)

[Event Log] button

Click this button to view scanner events.

The [Event Log] window appears with the display narrowed down to only the events for the relevant scanner.

➔ [\[Event Log\] \(page 169\)](#)

[Error To Lift] button

Clears an error indication. If an error is displayed, the updates will not be applied until the error indication is cleared. Before clearing an error indication, resolve the problems on the scanner.

The window for checking whether to clear the error indication for the scanner is displayed. After an error indication is cleared, [Error] changes to [Normal].

This button is displayed when [Scanner] in [Hardware Status] in the [Scanner] tab is [Error] and the [Scanner] tab is selected.

Open Scanner Settings

This button is displayed when a scanner is operated with direct connection.

Start up fi Series Network Settings (browser) or PaperStream Scanner Admin. For details, refer to the Operator's Guide of your scanner.

This button is displayed when the [Scanner] tab is selected.

● [Scanner] tab

View the scanner information.

Management Information

Displays the information required for managing scanners, such as the scanner name and model name.

[Info Last Modified] displays the date and time obtained from the computer on which this product is installed.

Optional Items

After the items to be managed are added in [Add custom fields] of the [Preferences] window, up to 10 items are displayed as [Optional Items].

Device Information

Displays the following information.

Hardware Status

Displays information such as the scanner status, error status, and throughput.

[Last Status Update] displays the date and time obtained from the computer on which this product is installed, and [Initial Use] displays the date and time obtained from the scanner.

Consumable Status

Displays the throughput for each consumable part, as well as the date and time that the counter was last cleared.

Maintenance Information

Displayed when a setting item is selected for [Maintenance Notification Settings] in the [Preferences] window.

➔ [\[Preferences\] \(page 179\)](#)

TIP

Click one of the following icons or the value (linked part) that is displayed next to the icon to show the [Event Details] window. Check the event logs and deal with them.

-  (Notification)
-  Warning

Update Status

Displays the update statuses of the scanners.

[Last Update], which is the time the update was applied to the scanner, uses the date and time that have been set for the scanner.

- **[Connected Computer] tab**

View the computer information.

Management Information

Displays the information required for managing computers, such as the computer name and operating system.

[Info Last Modified] displays the date and time obtained from the computer on which this product is installed.

Optional Items

After the items to be managed are added in [Add custom fields] of the [Preferences] window, up to 10 items are displayed as [Optional Items].

Update Status

Displays the update statuses of the computers.

[Last Update], which is the time the update was applied to the computer, uses the date and time that have been set for the computer.

See also

[Distributable Update Modules \(page 46\)](#)

[Edit Scanner Configuration Information] Window

Out of the scanner configuration information, you can change the group name, comment, and custom field.

TIP

Depending on the scanner model in use, "N/A" is displayed for items that are not supported for display. Also, "-" is displayed for items for which information cannot be obtained.

Scanner Group

You can edit this item when this window is displayed from the [Scanner] window.

Enter the group name of the scanner. You can select a group name that is currently used.

The scanner settings are distributed on a group basis. For example, when scanners in the same department are categorized into the same group, the scanner settings can be distributed to the scanners in the same department all together.

This can be up to 32 characters long.

The following characters cannot be used:

"|*?<>/\

The following character strings cannot be used: "(Default Group)", "(All)", "__default__", and "__all__".

"__" is two underscores entered one after another.

If you want to specify "(Default Group)", leave the field blank.

TIP

- One scanner can belong to one group only. You can create and apply multiple pieces of update information for a single group.
- One set of updates can be applied to more than one group.

Comment

Enter a comment on the scanner.

This can be up to 256 characters long.

The following characters cannot be used:

"|*?<>/\

Optional Items

After the items to be managed as scanner information are added in [Add custom fields] of the [Preferences] window, up to 10 items are displayed as [Optional Items] which can be edited.

➔ [\[Preferences\] \(page 179\)](#)

This can be up to 256 characters long. Note that characters are case-sensitive.

The following characters cannot be used:

"|*?<>/\

[Save] button

Saves the settings that were entered.

[Cancel] button

Cancels the settings and returns to the previous window.

[Edit Group] Window

Edit groups managed with PaperStream Central Admin.

Search box

You can search the list. Up to 64 characters can be entered.

Clicking [Advanced Search] enables you to specify a search condition for each item in the list.

Displayed when search targets are registered.

[Scanner Details] button/[Computer Details] button

Click this button to view the details of the scanners or the computers.

For the [Scanner Details] button, the [Scanner Details] window appears.

➔ [\[Scanner Details\] Window \(page 105\)](#)

For the [Computer Details] button, the [Computer Details] window appears.

➔ [\[Computer Details\] Window \(page 117\)](#)

This button is displayed when a check box is selected in the scanner list or computer list.

[Edit Group Names] button

Edit group names.

The [Select a group name to set] window appears.

[Delete Group Names] button

Deletes scanners or computers from the group that they belong to.

A delete confirmation window appears.

● [Scanner Group] tab

Scanner list

View the configuration information of the managed scanners.

Click a name link in the [Scanner Name] column to display the [Scanner Details] window.

➔ [\[Scanner Details\] Window \(page 105\)](#)

● [Computer Group] tab

Computer list

View the configuration information of the managed computers.

Click a name link in the [Computer Name] column to display the [Computer Details] window.

➔ [\[Computer Details\] Window \(page 117\)](#)

[Back] button

Returns to the previous window.

[Edit items to display] Window

Set items to display in the scanner list or computer list and their order.

Display Item List

Select items to display in the scanner list or computer list and change their order.

Items for which the check boxes are selected are displayed in the scanner list or computer list. The [Scanner Name] column in the scanner list and the [Computer Name] column in the computer list cannot be hidden.

The order in [Display items list] is applied to the scanner list or computer list.



Moves an item up one line in the scanner list or computer list.



Moves an item down one line in the scanner list or computer list.

Use Defaults

Resets the settings for displaying items to the default settings.

[OK] button

Applies the settings for [Display items list] to the scanner list or computer list.

[Cancel] button

Cancels the changed display settings, and the scanner list or computer list is displayed in the same way as before.

See also

[\[Scanner\] \(page 96\)](#)

[\[Custom Fields\] Window \(page 192\)](#)

[Serial Number Registration] Window

Register the serial numbers of the scanners that can connect to PaperStream Central Admin.

[Import] button

Imports the serial numbers of the scanners from a CSV file, and registers them in bulk.

A confirmation window for whether or not to register the serial numbers appears.

- To delete serial numbers already registered in PaperStream Central Admin and change the contents of the CSV file, select the [Overwrite registered serial numbers with new serial numbers to be registered] check box.
- To register only unregistered serial numbers from the CSV file without updating information for the registered serial numbers in PaperStream Central Admin, clear the [Overwrite registered serial numbers with new serial numbers to be registered] check box.

For details about this type of CSV files, refer to [Serial Number Registration File Format \(page 263\)](#).

[Export] button

Exports the serial numbers displayed in the serial number list into a CSV file.

For details about this type of CSV files, refer to [Serial Number Registration File Format \(page 263\)](#).

TIP

When HTTPS is used to communicate with a browser for PaperStream Central Admin, clear the following check box temporarily in order to export the file.

[Control Panel] → [Internet Options] → [Advanced] tab → [Do not save encrypted pages to disk] under [Security]

[Clear] button

Deletes all the serial numbers shown in the list.

A remove confirmation window appears.

Filter conditions

Specify filter conditions for serial numbers. Displayed when serial numbers are registered.

- From the drop-down list, select an item by which to filter the scanners.
Filter conditions can be specified for each selected item.
- Click the [+] button to add a filter condition and display the serial numbers according to the specified condition.

TIP

- No more than one condition can be set for one item.
- To remove a filter condition, click the [-] button for a condition that has been added.

[Computer]

Displays information for computers operated with Agent.

When using the Gate Console function, also refer to [Specifications for Using the Gate Console Function \(page 259\)](#).

[Export] button

Exports the information displayed in the computer list into a CSV file.

For details about a CSV file, refer to [Computer Configuration File Format \(page 269\)](#).

An export confirmation window appears.

TIP

When HTTPS is used to communicate with a browser for PaperStream Central Admin, clear the following check box temporarily in order to export the file.

[Control Panel] → [Internet Options] → [Advanced] tab → [Do not save encrypted pages to disk] under [Security]

[Computer Details] button

View the details of a computer selected in the computer list.

The [Computer Details] window appears.

➔ [\[Computer Details\] Window \(page 117\)](#)

This button is displayed when a check box is selected in the computer list.

[Edit] button

Edit the configuration information for a computer selected in the computer list.

The [Edit Computer Configuration Information] window appears.

➔ [\[Edit Computer Configuration Information\] Window \(page 119\)](#)

This button is displayed when a check box is selected in the computer list.

[Remove] button

Removes the selected computers from the computer list.

This button is displayed when a check box is selected in the computer list.

[Event Log] button

Displays computer events.

The [Event Log] window appears with the display narrowed down to only the events for the relevant computer.

➔ [\[Event Log\] \(page 169\)](#)

[Delete duplicate registrations] button

Removes unnecessary computer registrations when the computer is registered in duplicate.

In the [Delete duplicate registrations] window that appears, select and remove computer registrations that no longer need to be managed.

This button is displayed when PaperStream Central Admin you are using is a leader and the computer is registered in duplicate as follows:

- Registered with the leader and a follower
- Registered with multiple followers

Note that information about the removed computer registrations will remain in the leader's event log.

[Edit Group] button

Edit the computer group information.

The [Edit Group] window appears.

➔ [\[Edit Group\] Window \(page 110\)](#)

[Edit items to display] button

Edit the items to be displayed in the computer list.

The [Edit items to display] window appears.

➔ [\[Edit items to display\] Window \(page 111\)](#)

Computer list

Lists the information of the computers operated with Agent.

The items set in the [Edit Computer Configuration Information] window are displayed in this list.

➔ [\[Edit Computer Configuration Information\] Window \(page 119\)](#)

TIP

- Depending on the scanner model in use, "N/A" is displayed for items that are not supported for display.
Also, "-" is displayed for items for which information cannot be obtained.
- If a scanner is operated with Agent and also with direct connection, it is displayed as a scanner with direct connection in the scanner list. Also, in the computer list, the computer operated with Agent is displayed, but the scanner name is displayed as [Not connected].

Computer Name

Displays the names of computers.

Click a name link in the [Computer Name] column to display the [Computer Details] window.

➔ [\[Computer Details\] Window \(page 117\)](#)

Computer Serial Number

Displays the serial numbers of computers.

Operating System

Displays the operating systems of computers.

IP Address

Displays the IP addresses of computers.

MAC Address

Displays the MAC addresses of computers.

Follower Identification Name

Displays the follower identification names if PaperStream Central Admin you are using is a leader.

Scanner Name

Displays the names of scanners connected to computers.

Serial Number

Displays the serial numbers of scanners connected to computers.

Model

Displays the models of scanners connected to computers.

Interface

Displays the interfaces of scanners.

- Network(Computer)
The scanner is connected to a computer via a network.
- USB 2.0, USB 3.0
The scanner is connected to a computer via a USB cable.

Comment

Displays optional comments entered by users on the computers with this product.

Group

Displays the names of groups that computers belong to.

Update Status

Displays the status of applying updates.

- No Application
The updates are not applicable to the computers.
- Applied
The updates have been applied.
- Waiting To Be Applied
The updates are waiting to be applied.
- Failed To Apply
The updates failed to be applied.

Last Status Update

Displays the dates and times when information was updated to the currently displayed settings.

Initial Use

Displays the dates when the scanners connected to computers started being used.

PaperStream Central Admin Agent

Displays the version of PaperStream Central Admin Agent.

PaperStream IP (TWAIN)

Displays the version of PaperStream IP (TWAIN).

When both PaperStream IP (TWAIN) and PaperStream IP (TWAIN x64) are installed, the versions are separated by ":" and are shown in the format of "*the version of PaperStream IP (TWAIN):the version of PaperStream IP (TWAIN x64)*".

PaperStream IP (ISIS)

Displays the version of PaperStream IP (ISIS).

Network Setup Tool

Displays the version of Network Setup Tool.

Error Recovery Guide

Displays the version of Error Recovery Guide.

PaperStream Capture

Displays the version of PaperStream Capture.

PaperStream ClickScan

Displays the version of PaperStream ClickScan.

Manual

Displays the version of the scanner-related manual installer.

Optional Items

After the items to be managed are added in [Add custom fields] of the [Preferences] window, up to 10 items are displayed as [Optional Items].

[Computer Details] Window

View the details of scanners and computers.

[Edit] button

Edit configuration information.

The [Edit Computer Configuration Information] window appears.

➔ [\[Edit Computer Configuration Information\] Window \(page 119\)](#)

[Event Log] button

Displays computer events.

The [Event Log] window appears with the display narrowed down to only the events for the relevant computer.

➔ [\[Event Log\] \(page 169\)](#)

● [Computer] tab

View the computer information.

Management Information

Displays the information required for managing computers, such as the computer name and operating system.

[Info Last Modified] displays the date and time obtained from the computer on which this product is installed.

Optional Items

After the items to be managed are added in [Add custom fields] of the [Preferences] window, up to 10 items are displayed as [Optional Items].

Update Status

Displays the update statuses of the computers.

[Last Update], which is the time the update was applied to the computer, uses the date and time that have been set for the computer.

● [Connected Scanner] tab

View the information for scanners connected to computers.

Management Information

Displays the information required for managing scanners, such as the scanner name and model name.

[Info Last Modified] displays the date and time obtained from the computer on which this product is installed.

Optional Items

After the items to be managed are added in [Add custom fields] of the [Preferences] window, up to 10 items are displayed as [Optional Items].

Device Information

Displays the following information.

Hardware Status



Displays information such as the scanner status, error status, and throughput. [Last Status Update] displays the date and time obtained from the computer on which this product is installed, and [Initial Use] displays the date and time obtained from the scanner.

Consumable Status

Displays the throughput for each consumable part, as well as the date and time that the counter was last cleared.

TIP

Click one of the following icons or the value (linked part) that is displayed next to the icon to show the [Event Details] window. Check the event logs and deal with them.

-  (Notification)
-  Warning

Update Status

Displays the update statuses of the scanners.

[Last Update], which is the time the update was applied to the scanner, uses the date and time that have been set for the scanner.

See also

[Distributable Update Modules \(page 46\)](#)

[Edit Computer Configuration Information] Window

Out of the computer configuration information, you can change the group name, comment, and custom field.

TIP

Depending on the scanner model in use, "N/A" is displayed for items that are not supported for display. Also, "-" is displayed for items for which information cannot be obtained.

Computer Group

You can edit this item when this window is displayed from the [Computer] window.

Enter the group name for the computer operated with Agent. You can select a group name that is currently used.

The application is to be applied on a group basis. For example, when computers in the same department are categorized into the same group, the application can be applied to all of the computers in the same department at once.

This can be up to 32 characters long.

The following characters cannot be used:

"|*?<>/\

The following character strings cannot be used: "(Default Group)", "(All)", "__default__", and "__all__".
"__" is two underscores entered one after another.

If you want to specify "(Default Group)", leave the field blank.

TIP

- One computer can belong to one group only. You can create and apply multiple pieces of update information for a single group.
- One set of updates can be applied to more than one group.

Comment

Enter a comment on the computer.

This can be up to 256 characters long.

The following characters cannot be used:

"|*?<>/\

[Save] button

Saves the settings that were entered.

[Cancel] button

Cancels the settings and returns to the previous window.

[Update]

View a list of update information.

When using the Gate Console function, also refer to [Specifications for Using the Gate Console Function \(page 259\)](#).

Search box

You can search the list. Up to 64 characters can be entered.

Clicking [Advanced Search] enables you to specify a search condition for each item in the list.

Displayed when search targets are registered.

[Create] button

Creates update Information.

Up to 30 pieces of update information can be created.

The [To Be Applied] tab in the [New update] window appears.

➔ [\[To Be Applied\] Tab in the \[New update\]/\[Edit update\] Window \(page 123\)](#)

[Edit] button

Edit update information.

Displays the [Check and Save] tab in the [Edit update] window.

➔ [\[Check and Save\] Tab in the \[New update\]/\[Edit update\] Window \(page 147\)](#)

This button is displayed when a check box is selected in the update list.

[Clone] button

Copies existing update information so that you can modify it partially and create separate update information.

The [Check and Save] tab displays the update information that you selected.

➔ [\[Check and Save\] Tab in the \[New update\]/\[Edit update\] Window \(page 147\)](#)

This button is displayed when a check box is selected in the update list.

[Remove] button

Deletes update information.

This button is displayed when a check box is selected in the update list.

[Update Status] button

Check the status of applying the update modules.

The [Update Status] window for the selected settings is displayed.

➔ [\[Update Status\] Window \(page 167\)](#)

This button is displayed when a check box is selected in the update list.

[Retry Update] button

Starts applying updates to the scanners that are waiting for updates to be applied.

The updates will be applied to the relevant scanners.

If there are multiple updates for a single scanner group, selecting an update later in the order and clicking the [Retry Update] button will not apply that update. Updates are applied starting with those earlier in the order.

This button is displayed when the following conditions are met for fi-8040/SP-2240N/SP-2230N operated with direct connection.

- The check box for an update is selected in the update list
 - The current time is within the time slot displayed for [When To Apply] in the update list
- When the check box for a computer group update is selected, this button is not displayed.

ATTENTION

Before clicking the [Retry Update] button, make sure that the scanner is in the following state:

- The scanner is powered on
- The scanner is not used

[Order in which to apply] button

If there are multiple updates for a single scanner group or computer group, set the order in which the updates will be applied.

This button is displayed when there are multiple pieces of update information in the update list. Clicking this button displays the [Order in which to apply] window.

➔ [\[Order in which to apply\] Window \(page 166\)](#)

[Edit Group] button

Edit the group information managed with PaperStream Central Admin. The [Edit Group] window appears.

➔ [\[Edit Group\] Window \(page 110\)](#)

This button is displayed when the updates to be applied are registered.

Update list

Lists update information.

Updates are applied starting from the top of the list. By default, updates are listed in the order in which they were created.

Update Name

Clicking a link in the [Update Name] column displays the [Check and Save] tab in the [Edit update] window.

➔ [\[Check and Save\] Tab in the \[New update\]/\[Edit update\] Window \(page 147\)](#)

Group

Displays the names of the target groups.

When To Apply

Displays the time at which to start applying updates to the scanner or computer.

To Be Applied

Click a link in the [To Be Applied] column to display the [Update Status] window for the settings.

→ [\[Update Status\] Window \(page 167\)](#)

Applied

Displays the number of scanners or computers to which the updates have been applied.

Waiting To Be Applied

Displays the number of scanners or computers to which the updates are waiting to be applied.

Failed To Apply

Displays the number of scanners or computers to which the updates failed to be applied.

TIP

If there are multiple updates for a single scanner group or computer group, they are applied as follows:

- Updates that do not fall within the time slot specified for [When To Apply] and updates with [Not Applicable] specified are skipped, and the next update is applied.
- The update is aborted if a [Failed To Apply] error occurs. Clearing [Failed To Apply] will reapply the update. Once the update is successfully applied, the next update will be applied.

[To Be Applied] Tab in the [New update]/[Edit update] Window

Select the targets (scanner groups or computer groups) to which you want to apply the update modules. You can also select a scanner group or computer group that is already covered by another update.

Target type

Select the target type to which you want to apply the update modules. The default value is [Scanner Group].

- Scanner Group

Select this when you want to specify the groups of scanners to which scanner settings or firmware will be applied.

A list of the groups that the update modules can be applied to is displayed.

The update modules will be applied to all the scanners that belong to the selected groups.

Also, the following tabs will become active.

- [\[Scanner settings\] Tab in the \[New update\]/\[Edit update\] Window \(page 125\)](#)
Only becomes active when a scanner group operated with direct connection is selected.
- [\[Firmware\] Tab in the \[New update\]/\[Edit update\] Window \(page 140\)](#)
- [\[When To Apply\] Tab in the \[New update\]/\[Edit update\] Window \(page 145\)](#)
- [\[Check and Save\] Tab in the \[New update\]/\[Edit update\] Window \(page 147\)](#)

- Computer Group

Select this when you want to specify the groups of computers to which application settings or applications will be applied.

A list of the groups that the update modules can be applied to is displayed.

The update modules will be applied to all the computers that belong to the selected groups.

Also, the following tabs will become active.

- [\[Application settings\] Tab in the \[New update\]/\[Edit update\] Window \(page 142\)](#)
- [\[Application\] Tab in the \[New update\]/\[Edit update\] Window \(page 144\)](#)
- [\[When To Apply\] Tab in the \[New update\]/\[Edit update\] Window \(page 145\)](#)
- [\[Check and Save\] Tab in the \[New update\]/\[Edit update\] Window \(page 147\)](#)

TIP

When the update modules are applied to the selected targets, communication with the targets may fail due to network load depending on the network environment. In this case, adjust the number of targets to which the update modules will be applied.

[Check and Save] button

Click this button to check and save the settings.

The [Check and Save] tab appears.

➔ [\[Check and Save\] Tab in the \[New update\]/\[Edit update\] Window \(page 147\)](#)

[Next] button

Displays the next tab.

[Cancel] button

Cancels the settings and returns to the previous window.

See also

[Distributable Update Modules \(page 46\)](#)

[Scanner settings] Tab in the [New update]/[Edit update] Window

Configure the scanner settings to be applied to a scanner operated with direct connection.

Update the scanner settings

Select whether to update the scanner settings.

When you create or edit the scanner settings, select [Yes].

When you will not edit the scanner settings that have already been applied to the scanners (when you want to update the firmware only), select [No].

The following items are available when [Yes] is selected.

Scanner Type

Select the type of scanner for which the scanner settings are updated.

Apply the settings

It is possible to obtain the existing scanner settings.

- Obtain from a Scanner

For fi-8040, obtains the scanner settings from the selected scanner.

The [Select a scanner to obtain the settings from] window appears.

➔ [\[Select a scanner to obtain the settings from\] Window \(page 148\)](#)

- Obtain from a File

Obtains the scanner settings from the scanner settings file (.cab) that the scanner settings were output to.

For details about how to output the scanner settings file (.cab), refer to the Operator's Guide for your scanner.

[Check and Save] button

Click this button to check and save the settings.

The [Check and Save] tab appears.

➔ [\[Check and Save\] Tab in the \[New update\]/\[Edit update\] Window \(page 147\)](#)

[Previous] button

Displays the previous tab.

[Next] button

Displays the next tab.

[Cancel] button

Cancels the settings and returns to the previous window.

When [Scanner Type] is set to [fi-8040], configure settings using the following:

- [\[Separate settings\] menu \(page 126\)](#)
- [\[Common Settings\] menu \(page 128\)](#)
- [\[How to use\] menu \(page 129\)](#)

- [Network] menu (page 129)
- [Security] menu (page 129)
- [Linking with Server] menu (page 130)
- [DirectScan Settings] menu (page 136)

[Separate settings] menu

When a separate settings file is distributed from PaperStream Central Admin, the scanner settings on each scanner will be changed to the settings included in the separate settings file.

[Configure the settings for each scanner] check box

Select this check box to change the settings for each scanner based on the serial number.

[Import] button

Click this button to import a separate settings file that lists the separate settings for each scanner such as passwords and IP addresses.

The window for selecting a file appears. Select a separate settings file.

Information for the serial numbers that are not in the separate setting list will be added. Information for the same serial numbers will be overwritten.

For details about separate settings files, refer to [Separate Settings File Format \(page 273\)](#).

[Export] button

Exports the information displayed in the list of separate settings in a separate settings file.

To change the scanner settings, edit the exported separate settings file and then import it back.

When editing a separate settings file, use an application that supports the character set selected for [CSV File Character Set] in the [Preferences] window.

TIP

When HTTPS is used to communicate with a browser for PaperStream Central Admin, clear the following check box temporarily in order to export the file.

[Control Panel] → [Internet Options] → [Advanced] tab → [Do not save encrypted pages to disk] under [Security]

List of the separate settings

Lists the settings for each scanner.

Scanner name

Displays the names of scanners.

- Do Not Change

The setting has not changed from the current one.

Serial Number

Displays the serial numbers of scanners.

Admin Password

Displays the admin passwords used for configuring the scanner on its touch screen or for logging in to fi Series Network Settings (browser) as "●●●●".

- Do Not Change
The setting has not changed from the current one.
- Disable
The setting is disabled.

Password for Editing DirectScan Settings

Displays the passwords for editing the DirectScan settings used for editing jobs on the touch screen of the scanner as "●●●●".

- Do Not Change
The setting has not changed from the current one.
- Disable
The setting is disabled.

IPv4 Configuration

Displays the IPv4 configuration methods.

- Auto
The settings for [IPv4 Address], [Subnet Mask (IPv4)], and [Default Gateway (IPv4)] are disabled. The values are assigned automatically.
- Manual
The settings for [IPv4 Address], [Subnet Mask (IPv4)], and [Default Gateway (IPv4)] are enabled.
- Do Not Change
The setting has not changed from the current one.

IPv4 Address

Displays the IPv4 addresses.

- Do Not Change
The setting has not changed from the current one.

Subnet Mask (IPv4)

Displays the subnet masks (IPv4).

- Do Not Change
The setting has not changed from the current one.

Default Gateway (IPv4)

Displays the default gateways (IPv4).

- Do Not Change
The setting has not changed from the current one.

Dynamic DNS

Displays whether the dynamic DNS is enabled or not.

- Do Not Change
The setting has not changed from the current one.

IPv6 Configuration

Displays the IPv6 configuration methods.

- Auto
The settings for [IPv6 Address], [Receive RA Packet], [Subnet Prefix Length (IPv6)], and [Default Gateway (IPv6)] are disabled. The values are assigned automatically.
- Manual
The settings for [IPv6 Address], [Receive RA Packet], [Subnet Prefix Length (IPv6)], and [Default Gateway (IPv6)] are enabled.
- Do Not Change
The setting has not changed from the current one.

IPv6 Address

Displays the IPv6 addresses.

- Do Not Change
The setting has not changed from the current one.

Receive RA Packet

Displays whether to receive RA packets.

- ON
Receives RA packets.
- OFF
Does not receive RA packets.
- Do Not Change
The setting has not changed from the current one.

Subnet Prefix Length (IPv6)

Displays the subnet prefix length (IPv6).

- Do Not Change
The setting has not changed from the current one.

Default Gateway (IPv6)

Displays the default gateways (IPv6).

- Do Not Change
The setting has not changed from the current one.

[Common Settings] menu

For details about the setting items, refer to "Network Settings" in the Operator's Guide of your scanner.

- **[How to use] menu**

How to use

Set a way to use the scanner.

- Use the scanner connected to a computer
Use the scanner by connecting it to a computer.
- Use the scanner by itself (DirectScan)
Use the scanner by connecting it to a network and send image files to shared folders on the network or to the mail server.
When selecting [Use the scanner by itself (DirectScan)], also set the [Show the job list initially] check box.
- Use by connecting to PaperStream NX Manager
Use the scanner by connecting it via a network to a server on which PaperStream NX Manager is installed.

[Show the job list initially] check box

Set whether to display the job list screen for the start screen (main screen) when DirectScan is used.

The check box is cleared by default.

- **[Network] menu**

DNS Server

Set the DNS server.

- Auto
This is the default value.
- Manual
When selecting [Manual], set the following items.
 - Primary DNS
 - Secondary DNS

- **[Security] menu**

Network Encryption

Specify whether to encrypt network communications.

- Encryption Off (HTTP)
This transmission method gives priority to the scanning speed.
This is the default value.
- Encryption On (HTTPS)
This transmission method gives priority to the security. Note that the scanning speed slows down.

CA Certificates

Register the CA certificates with the scanner to connect to the FTPS server or SMTP server for DirectScan.

[Register] button

Used to register a CA certificate to be used.

Clicking this button displays the window to select a CA certificate file to be uploaded.

Up to 10 CA certificates can be registered.

Files with the following extensions can be registered:

.cer, .crt, .der, .pem

[Remove] button

Removes the CA certificates selected in the CA certificate list from the scanner. Clicking this button displays a remove confirmation window.

CA certificate list

Displays the CA certificates registered with the scanner.

- [Linking with Server] menu

Configure the settings for the server used with this product.

Proxy Server

Configure the proxy server settings.

[Enable] check box

Set whether to use the proxy server.

The check box is cleared by default.

When selecting the check box, set the following items.

- Host Name/IP address

The host name, FQDN, or IP address can be set for this item.

To use an IP address, enter the IP address in the "xxx.xxx.xxx.xxx" format.

The space before or after the character string is ignored.

ATTENTION

The IPv6 address is not supported.

TIP

To enter a host name, the DNS server must be configured.

- Port Number

The default value is "8080".

- [Use User Authentication] check box

Select this check box when the proxy server has the user authentication function.

- Configure manually

When [Configure manually] is selected, specify the following items:

- Primary
- Secondary

Timezone

Set the time difference from Coordinated Universal Time (UTC).

To apply daylight saving time, adjust the time by adding the extra summer time hour(s) to the standard time.

Send e-Mail

Configure the email settings in order to send an email.

[Enable] check box

Configure this setting to send emails.

The check box is cleared by default.

When selecting the check box, set the following items.

- SMTP Server

Set the server for sending and receiving emails.

Enter the SMTP server to be used within 255 characters.

This can be set in a host name, FQDN, or IPv4 address format.

Alphanumeric characters, "-", and "." can be used. Note that this is case insensitive.

The space before or after the character string is ignored.

When [Authentication Method] is set to [Exchange Online OAuth 2.0 authentication], "smtp.office365.com" is entered automatically, but you can change it.

ATTENTION

The IPv6 address is not supported.

TIP

To enter a host name, the DNS server must be configured.

- Encryption

Specify whether to encrypt communications when emails are sent.

When [Authentication Method] is set to [Exchange Online OAuth 2.0 authentication], the value is fixed to [STARTTLS].

- Disabled
This is the default value.
- TLS
- STARTTLS

When [TLS] or [STARTTLS] is set for [Encryption], specify the following item:

- [Validate server certificates] check box

Set whether to validate server certificates using CA certificates registered on the scanner.
The check box is cleared by default.

- CA Certificates

Displays the registration status of a CA certificate.

To register a CA certificate with the scanner, use the [\[Security\] menu \(page 129\)](#).

- Port Number

When [Encryption] is [Disabled], the initial value is "25".

When [Encryption] is [TLS], the initial value is "465".

When [Encryption] is [STARTTLS], the initial value is "587".

The default value is "25".

When [Authentication Method] is set to [Exchange Online OAuth 2.0 authentication], the value is fixed to "587".

- Authentication Method

Select an authentication method for sending emails.

- Basic authentication

- Exchange Online OAuth 2.0 authentication

- Username

Set a user name to authenticate a user using a user name and password when connecting to the SMTP server.

This can be between 1 and 64 characters long.

The space before or after the character string is ignored.

The following characters are available.

- Alphanumeric characters

- Symbols

.-_@

"." cannot be used at the start or end of a user name.

When [Authentication Method] is set to [Exchange Online OAuth 2.0 authentication], this item is not displayed.

- Password

Set a password to authenticate a user using a user name and password when connecting to the SMTP server.

This can be between 1 and 64 characters long.

The following characters are available.

- Alphanumeric characters

- " " (space)

Spaces before and after the character string are maintained.

- Symbols

-/;()\&@".?!#%^*+=_~<>\$[]`{ }

When [Authentication Method] is set to [Exchange Online OAuth 2.0 authentication], this item is not displayed.

- Sender's E-mail Address

Set the email address of the sender for emails to be sent.

This can be up to 256 characters long. Separate a user name and host name with @.

The space before or after the character string is ignored.

The following characters are available.

- Alphanumeric characters

- Symbols

.-_@

"." cannot be used at the start or end of a user name.

- E-mail Subject

Enter the subject of an email to be sent within 48 characters.

The space before or after the character string is ignored.

The following characters cannot be used:

Control characters from 0x00 to 0x1f, 0x7f

TIP

If the email subject line contains characters that cannot be displayed on the touch screen of the scanner (such as environment-dependent characters), the subject line may not display correctly on the screen.

- E-mail Text

Enter the body of an email to be sent within 80 characters.

The space before or after the character string is ignored.

The following characters cannot be used:

Control characters from 0x00 to 0x1f, 0x7f

ATTENTION

Enter the body of emails without line breaks.

TIP

If the email body text contains characters that cannot be displayed on the touch screen of the scanner (such as environment-dependent characters), the text may not display correctly on the screen.

- Maximum E-mail Size (MB)

Set the size limit of an email to be sent between 1 and 20. The default value is "5".

When the file size of the scanned images reaches the size limit specified for this item during a scan, the scan is stopped and an error message is displayed. In that case, the number of pages in the image file that can be sent by email is less than the number of pages that have actually been fed.

TIP

- During a scan, the scanner recognizes that the size of the email has reached the upper limit when the size of the created image files is multiplied by 1.5 and the resulting value reaches the value specified for this item.
- Depending on the SMTP server that is used, the email size may exceed the upper size limit of an email that the SMTP server can receive, even if the email size has not reached the upper limit of DirectScan.
If an error occurs in sending email, set a value smaller than the upper size limit of an email that the SMTP server can receive.

PaperStream NX Manager

Configure the settings for PaperStream NX Manager.

- Host Name/IP address

The host name, FQDN, or IP address can be set for this item.

To use an IP address, enter the IP address in the "xxx.xxx.xxx.xxx" format.

The space before or after the character string is ignored.

ATTENTION

The IPv6 address is not supported.

- Port Number

The default value is "20447".

- Network Encryption

Displays the type of network encryption.

- Auto Logout minutes

Specify a time (minutes) to automatically log out from PaperStream NX Manager if the scanner is left on for a certain period of time without being used.

- Disabled

This is the default value.

- 1

- 2

- 3

Scanner Central Admin

Set the following to use PaperStream Central Admin to manage scanners.

Server Type

Set whether to use Scanner Central Admin Desktop or Scanner Central Admin Server to manage scanners.

- Do not link

Scanners are not to be managed.

This is the default value.

- **Scanner Central Admin Desktop**
Uses Scanner Central Admin Desktop to manage scanners.
- **Scanner Central Admin Server**
Uses Scanner Central Admin Server to manage scanners.

When [Scanner Central Admin Desktop] or [Scanner Central Admin Server] is selected, specify the following items:

Host Name/IP address

The host name, FQDN, or IP address can be set for this item.

To use an IP address, enter the IP address in the "xxx.xxx.xxx.xxx" format.

The space before or after the character string is ignored.

ATTENTION

The IPv6 address is not supported.

TIP

To enter a host name, the DNS server must be configured.

Port Number

The default value is "20444".

Network Encryption

Displays the type of network encryption.

● **[DirectScan Settings] menu**

Set the following when using DirectScan.

Output Folder Path

Set save destinations (folders on the network) to which scanned image files will be saved when using DirectScan.

Up to 25 save destinations can be added.

The added save destinations are listed.

[Register] button

Used to add a save destination.

Clicking this button displays the [Register Save Destination] window.

➔ [\[Register Save Destination\] Window/\[Edit Save Destination\] Window \(page 149\)](#)

[Edit] button

Used to change the settings of a save destination that is selected in a list of the save destinations.

Clicking this button displays the [Edit Save Destination] window.

➔ [\[Register Save Destination\] Window/\[Edit Save Destination\] Window \(page 149\)](#)

[Remove] button

Removes the save destinations that are selected in a list of the save destinations. Clicking this button displays a remove confirmation window.

ATTENTION

If a save destination to be removed has been registered with a job, the job will also be removed.

List of the save destinations

Displays the information of the save destinations that are registered.

- **Display Name**

Displays the names for the save destinations.

Clicking each link displays the [Edit Address] window.

➔ [\[Register Save Destination\] Window/\[Edit Save Destination\] Window \(page 149\)](#)

- **Destination Setting**

Displays the types of the destinations.

- **Save Destination Path**

Displays the paths for the save destinations.

E-mail Address

Set email addresses to which scanned image files will be sent by email when using DirectScan.

Up to 25 recipients can be added.

The added email addresses are listed.

[Register] button

Used to add a recipient.

Clicking this button displays the [Register Address] window.

➔ [\[Register Address\] Window/\[Edit Address\] Window \(page 157\)](#)

[Edit] button

Used to change the settings of a recipient that is selected in a list of the recipients.

Clicking this button displays the [Edit Address] window.

➔ [\[Register Address\] Window/\[Edit Address\] Window \(page 157\)](#)

[Remove] button

Removes the recipient that is selected in a list of the recipients. Clicking this button displays a remove confirmation window.

ATTENTION

If a recipient to be removed has been registered with a job, the job will also be removed.

List of the recipients

Displays the information of the recipients that are registered.

- **Display Name**
Displays the names for the recipients.
Clicking each link displays the [Edit Address] window.
➔ [\[Register Address\] Window/\[Edit Address\] Window \(page 157\)](#)
- **E-mail Address**
Displays the recipient email addresses.

Job

Set jobs for DirectScan.

Register the way to send image files from a scanner (saving them to a folder or sending them by email) and the scan settings as a job, according to the intended use of images.

Up to 25 jobs can be added.

[Create] button

Used to add a job.

Clicking this button displays the [Create Job] window.

➔ [\[Create Job\] Window/\[Edit Job\] Window \(page 158\)](#)

[Edit] button

Used to change the settings of a job that is selected in the job list.

Clicking this button displays the [Edit Job] window.

➔ [\[Create Job\] Window/\[Edit Job\] Window \(page 158\)](#)

[Clone] button

Copies the existing job and modifies it partially to create other jobs.

This button is displayed when the check box for a job in the job list is selected.

[Remove] button

Deletes the jobs selected in the job list. Clicking this button displays a remove confirmation window.

Job list

Displays the information of the jobs that are registered.

- **Display Name**
Displays the names of the jobs.
- **Color**
Display the colors that are set for the jobs.

- Destination Setting
Displays the types of the destinations.

See also

[\[Preferences\] \(page 179\)](#)

[Firmware] Tab in the [New update]/[Edit update] Window

Select whether to update the firmware of the scanners.

Update the firmware

Select whether to update the firmware.

When [Yes] is selected, the following items are displayed.

Registration Method

Select the method to register the updated firmware for the scanners with PaperStream Central Admin.

- Download latest version

Select this to download the firmware from the website and register it with PaperStream Central Admin.

If the latest firmware could not be downloaded because of network errors, the [Update the latest information] button will appear. Check the network settings and then click the [Update the latest information] button to update the information.

- Upload a File

Select this to upload a file (*.cab) obtained or created from Module Creator and register it to PaperStream Central Admin. For details about Module Creator, refer to [Operations on Module Creator \(page 242\)](#).

The [Select a file] button appears. Clicking this button displays the [Select a file to be uploaded] window. Specify a file (*.cab) obtained or created from Module Creator.

Target models

Displays the models of scanners that the firmware can be applied.

Version

Displays the identification name of the firmware.

[Check and Save] button

Click this button to check and save the settings.

The [Check and Save] tab appears.

➔ [\[Check and Save\] Tab in the \[New update\]/\[Edit update\] Window \(page 147\)](#)

[Previous] button

Displays the previous tab.

[Next] button

Displays the next tab.

[Cancel] button

Cancels the settings and returns to the previous window.

See also

[\[Update\] \(page 120\)](#)

[Application settings] Tab in the [New update]/[Edit update] Window

Configure the application settings to be applied to computers operated with Agent.

Update the application settings

Select whether to update the application settings for the computers.

When [Yes] is selected, the following items are displayed.

Registration Method

Select the method for registering the application settings for the computers to PaperStream Central Admin.

- Upload a File

Select this to upload an application setting file (*.cab) that has been exported from PaperStream Central Admin Agent and register it to PaperStream Central Admin. For details about how to export the PaperStream Central Admin Agent settings, refer to [Installing Update Modules Manually \(page 240\)](#).

The [Settings] button appears. Clicking this button displays the [Open] window. Specify the application setting file (*.cab) that you want to upload.

Target application

Displays the target application settings to be updated. If none are registered, it will be left blank. The following application settings can be updated:

- Software Operation Panel settings
- PaperStream IP (TWAIN) settings
- PaperStream IP (ISIS) settings
- PaperStream Capture settings
- PaperStream Central Admin Agent settings

For details about application settings, refer to [Distributable Update Modules \(page 46\)](#).

For details about how to create application settings, refer to [Creating an Update Module of Scanner Settings \(page 238\)](#).

Version/Name

Displays the version and identification name of the application settings to be updated. If none are registered, it will be left blank.

[Check and Save] button

Click this button to check and save the settings.

The [Check and Save] tab appears.

➔ [\[Check and Save\] Tab in the \[New update\]/\[Edit update\] Window \(page 147\)](#)

[Previous] button

Displays the previous tab.

[Next] button

Displays the next tab.

[Cancel] button

Cancels the settings and returns to the previous window.

See also

[Application Error Codes \(page 226\)](#)

[Application] Tab in the [New update]/[Edit update] Window

Set whether to update the application for the computers.

Update the application

Select whether to update the application for the computers.

When [Yes] is selected, the following items are displayed.

Registration Method

Select the method for registering the application for the computers to PaperStream Central Admin.

- Select from the Website

Select this to download the application from the website and register it with PaperStream Central Admin.

The [Select an Application] button appears. Clicking this button displays the [Obtain the latest update file from the website] window. Specify the application that you want to upload.

- Upload a File

Select this to upload a file (*.cab) obtained or created from Module Creator and register it to PaperStream Central Admin. For details about Module Creator, refer to [Operations on Module Creator \(page 242\)](#).

The [Select a file] button appears. Clicking this button displays the [Open] window. Specify a file (*.cab) obtained or created from Module Creator.

Target application

Displays the target application to be updated.

Version

Displays the [Target application] version. If none are registered, it will be left blank.

[Check and Save] button

Click this button to check and save the settings.

The [Check and Save] tab appears.

➔ [\[Check and Save\] Tab in the \[New update\]/\[Edit update\] Window \(page 147\)](#)

[Previous] button

Displays the previous tab.

[Next] button

Displays the next tab.

[Cancel] button

Cancels the settings and returns to the previous window.

See also

[\[Obtain the latest update file from the website\] Window \(page 165\)](#)

[When To Apply] Tab in the [New update]/[Edit update] Window

Set a time to distribute the update modules to the scanners or computers.

The time set for the computer where this product is installed is used.

When To Apply

Specify when PaperStream Central Admin will distribute the update modules to the scanners or computers.

- **Apply immediately**
Select this to apply the update modules to the target immediately.
- **Apply at the specified time**
Select this to apply the update modules to the target at a specified time.
[Start] and [End] are displayed.
- **Apply later**
Select this to temporarily stop applying the update modules to the target.
- **Use the default setting**
Select this to apply the update modules at the time that is set for [Time the Settings Are Applied] → [When To Apply] in the [Preferences] window.
→ [\[Preferences\] \(page 179\)](#)

TIP

The timing when the update modules are applied depends on the targets to which they are applied.

- If the target is operated with direct connection, the update modules will be automatically applied when the scanner is turned on.
- If the target is operated with agent, you need to take actions in PaperStream Central Admin Agent.
→ [Installing Update Modules Manually \(page 240\)](#)

Default Time the Settings Are Applied

Displayed when [Use the default setting] is selected for [When To Apply].

Start

Displayed when [Apply at the specified time] is selected for [When To Apply].

Specify the time to start applying the update modules to the scanners.

End

Displayed when [Apply at the specified time] is selected for [When To Apply].

Specify the time to end applying the update modules to the scanners or computers.

The start time and end time must be different. Set different times for them.

If applying the update modules is not complete by the end time, the update modules continue to be applied to the targets that the update modules are being applied to at this point. If applying the update modules to the targets does not start by the end time, the update modules will be applied to those targets from the next start time. Depending on the network environment, it may take a long time to apply

the update modules. If you want to apply the update modules at one time, set the end time so that sufficient time is secured to apply the update modules.

[Check and Save] button

Click this button to check and save the settings.

The [Check and Save] tab appears.

➔ [\[Check and Save\] Tab in the \[New update\]/\[Edit update\] Window \(page 147\)](#)

[Previous] button

Displays the previous tab.

[Next] button

Displays the next tab.

[Cancel] button

Cancels the settings and returns to the previous window.

[Check and Save] Tab in the [New update]/[Edit update] Window

Check and save the update information entered in each tab of the [New update]/[Edit update] window.

Update Name

Enter a name which is used as a name for a set of the updates configured in each tab of the [New update]/[Edit update] window.

The default value is "UpdateSetting_X". Numbers are assigned to X in order starting from "1". This can be up to 48 characters long.


The following characters cannot be used:

"|*?<>/\

[Save] button

Saves the settings if there are no input errors. Saved updates are displayed in a list of updates in the [Update] window.

➔ [\[Update\] \(page 120\)](#)

If there is an input error,  (Error) is displayed on the tab and item that have an error. An error message is also displayed in red under the item that has an error. Follow the message to change the settings that you entered, and then click the [Save] button again.

[Previous] button

Displays the previous tab.

[Cancel] button

Cancels the settings and returns to the previous window.

[Select a scanner to obtain the settings from] Window

Select a scanner to obtain the scanner settings from.

Scanner list

Displays scanners managed with PaperStream Central Admin. Select the check box for the scanner that you want to obtain the settings from.

[OK] button

Enables the settings and returns to the previous window.

[Cancel] button

Cancels the settings and returns to the previous window.

[Register Save Destination] Window/[Edit Save Destination] Window

Set a save destination for scanned image files.

Up to 25 save destinations can be registered.

For details about the setting items, refer to "Network Settings" in the Operator's Guide of your scanner.

Display Name

Set a name for the save destination.

This can be up to 48 characters long.

You cannot set the same name as a display name that is already registered.

The space before or after the character string is ignored.

The following characters cannot be used:

Control characters from 0x00 to 0x1f, 0x7f

TIP

If the display name contains characters that cannot be displayed on the touch screen of the scanner (such as environment-dependent characters), the name may not display correctly on the screen. Make sure that the entered display name displays correctly on the touch screen.

Destination Setting

Select the type of destination.

- Network Directory

This is the default value.

When selecting [Network Directory], set the following items.

- Host Name/IP address

The host name, FQDN, or IP address can be set for this item.

The space before or after the character string is ignored.

This can be up to 64 characters long.

The following characters are available. Note that this is case insensitive.

- Alphanumeric characters

- Symbols

-.

ATTENTION

- The IPv6 address is not supported.
- Supported versions of SMB range from SMB 2.0 to SMB 3.0.2.
- Saving images to a server where data access is encrypted in the share settings or a folder where a DFS is used is not supported.

TIP

To enter a host name, the DNS server must be configured.

- Save Destination Path

Any space before or after the character string, or any "/" as a first character will be ignored.

"\" will be replaced with "/". When the first character is "\", the character will be replaced with "/" and the leading "/" will be deleted.

This can be up to 200 characters long.

The following characters cannot be used:

- Control characters from 0x00 to 0x1f, 0x7f
- " " (space)
- Any "/" other than a path delimiter

TIP

If the save destination path contains characters that cannot be displayed on the touch screen of the scanner (such as environment-dependent characters), the path may not display correctly on the screen.

- Username

Set the user name used to connect to the save destination.

You can also set the name in the "UserName@Domain" or "Domain\UserName" format.

To use the Active Directory domain user name as a user name for authentication, specify the Active Directory domain name as the user name only or the domain name to be included in the user name.

To authenticate a user as a local user, specify the device name as the domain name to be included in the user name.

This can be up to 64 characters long.

The following characters are available.

- Alphanumeric characters
- " " (space)
The space before or after the character string is ignored.
- Symbols

-/:;()\&@".,?!#%^*+=_~<>\$[]`{ }

TIP

If the user name contains characters that cannot be displayed on the touch screen of the scanner (such as environment-dependent characters), the name may not display correctly on the screen.

- Password

Enter the password for the user name used for connecting to the save destination.

Spaces before and after the character string are maintained.

This can be up to 64 characters long.

The following characters cannot be used:

Control characters from 0x00 to 0x1f, 0x7f

- FTP

When selecting [FTP], set the following items.

- Host Name/IP address

The host name, FQDN, or IP address can be set for this item.

The space before or after the character string is ignored.

This can be up to 64 characters long.

The following characters are available. Note that this is case insensitive.

- Alphanumeric characters
- Symbols
- .

ATTENTION

The IPv6 address is not supported.

TIP

To enter a host name, the DNS server must be configured.

- Port Number

The default value is "21".

- Connect Mode

Set the connect mode used for connecting to the FTP server.

- Active Mode
- Passive Mode

This is the default value.

- Save Destination Path

Any space before or after the character string, or any "/" as a first character will be ignored.

"\" will be replaced with "/". When the first character is "\", the character will be replaced with "/" and the leading "/" will be deleted.

This can be up to 200 characters long.

The following characters cannot be used:

- Control characters from 0x00 to 0x1f, 0x7f
- " " (space)
- Any "/" other than a path delimiter

TIP

If the save destination path contains characters that cannot be displayed on the touch screen of the scanner (such as environment-dependent characters), the path may not display correctly on the screen.

- Username

Set the user name used to connect to the save destination.

You can also set the name in the "UserName@Domain" or "Domain\UserName" format.

This can be up to 64 characters long.

The following characters are available.

- Alphanumeric characters

- " " (space)

The space before or after the character string is ignored.

- Symbols

-/;()\&@".,?!#%^*+=_~<>\$[]`{ }

TIP

If the user name contains characters that cannot be displayed on the touch screen of the scanner (such as environment-dependent characters), the name may not display correctly on the screen.

- Password

Enter the password for the user name used for connecting to the save destination.

Spaces before and after the character string are maintained.

This can be up to 64 characters long.

The following characters cannot be used:

Control characters from 0x00 to 0x1f, 0x7f

- FTPS

When selecting [FTPS], set the following items.

- Host Name/IP address

The host name, FQDN, or IP address can be set for this item.

The space before or after the character string is ignored.

This can be up to 64 characters long.

The following characters are available. Note that this is case insensitive.

- Alphanumeric characters

- Symbols

-.

ATTENTION

The IPv6 address is not supported.

TIP

To enter a host name, the DNS server must be configured.

- Encryption

Set the encryption of communication data used for connecting to the FTPS server.

- Explicit Encryption (Explicit Mode)

This is the default value.

- Implicit Encryption (Implicit Mode)
- CA Certificates

Displays the registration status of a CA certificate.

To register a CA certificate with the scanner, use the [\[Security\] menu \(page 129\)](#) of the [\[Scanner settings\] Tab in the \[New update\]/\[Edit update\] Window \(page 125\)](#).
- Port Number

Depending on the setting for [\[Encryption\]](#), the initial value changes as follows:

 - When [\[Encryption\]](#) is [\[Explicit Encryption \(Explicit Mode\)\]](#), the initial value is "21".
 - When [\[Encryption\]](#) is [\[Implicit Encryption \(Implicit Mode\)\]](#), the initial value is "990".
- Save Destination Path

Any space before or after the character string, or any "/" as a first character will be ignored.

"\" will be replaced with "/". When the first character is "\", the character will be replaced with "/" and the leading "/" will be deleted.

This can be up to 200 characters long.

The following characters cannot be used:

 - Control characters from 0x00 to 0x1f, 0x7f
 - " " (space)
 - Any "/" other than a path delimiter

TIP

If the save destination path contains characters that cannot be displayed on the touch screen of the scanner (such as environment-dependent characters), the path may not display correctly on the screen.

- Username

Set the user name used to connect to the save destination.

You can also set the name in the "UserName@Domain" or "Domain \UserName" format.

This can be up to 64 characters long.

The following characters are available.

 - Alphanumeric characters
 - " " (space)

The space before or after the character string is ignored.
 - Symbols

-/;()\&@".,?!#%^*+=_~<>\${}`{}

TIP

If the user name contains characters that cannot be displayed on the touch screen of the scanner (such as environment-dependent characters), the name may not display correctly on the screen.

- Password

Enter the password for the user name used for connecting to the save destination.
 Spaces before and after the character string are maintained.
 This can be up to 64 characters long.
 The following characters cannot be used:
 Control characters from 0x00 to 0x1f, 0x7f

TIP

The only connection mode for connecting to the FTPS server is "Passive Mode".

- SFTP

When selecting [SFTP], set the following items.

- Host Name/IP address

The host name, FQDN, or IP address can be set for this item.

The space before or after the character string is ignored.

This can be up to 64 characters long.

The following characters are available. Note that this is case insensitive.

- Alphanumeric characters
- Symbols

-.

ATTENTION

The IPv6 address is not supported.

TIP

To enter a host name, the DNS server must be configured.

- Port Number

The default value is "22".

- Save Destination Path

Any space before or after the character string, or any "/" as a first character will be ignored.

"\" will be replaced with "/". When the first character is "\", the character will be replaced with "/" and the leading "/" will be deleted.

This can be up to 200 characters long.

The following characters cannot be used:

- Control characters from 0x00 to 0x1f, 0x7f
- " " (space)
- Any "/" other than a path delimiter

TIP

If the save destination path contains characters that cannot be displayed on the touch screen of the scanner (such as environment-dependent characters), the path may not display correctly on the screen.

- Authentication Method

Set the authentication method.

● Password authentication

This is the default value.

● Public Key Authentication

The public key algorithm used when the encryption key is generated is displayed in [Public Key Algorithm].

This setting can be configured when an encryption key has already been generated for the scanner.

For details about the encryption key, refer to the Operator's Guide of your scanner.

- Username

Set the user name used to connect to the save destination.

You can also set the name in the "UserName@Domain" or "Domain\UserName" format.

This can be up to 64 characters long.

The following characters are available.

● Alphanumeric characters

● " " (space)

The space before or after the character string is ignored.

● Symbols

-/;()\&@".,?!#%^*+=_~<>\${}`{ }

TIP

If the user name contains characters that cannot be displayed on the touch screen of the scanner (such as environment-dependent characters), the name may not display correctly on the screen.

- Password

This setting can be configured when [Password authentication] is selected for [Authentication Method].

Enter the password for the user name used for connecting to the save destination.

Spaces before and after the character string are maintained.

This can be up to 64 characters long.

The following characters cannot be used:

Control characters from 0x00 to 0x1f, 0x7f

[OK] button

Enables the settings and returns to the previous window.

[Cancel] button

Cancels the settings and returns to the previous window.

See also

[\[Scanner settings\] Tab in the \[New update\]/\[Edit update\] Window \(page 125\)](#)

[Register Address] Window/[Edit Address] Window

Register recipients to whom image files scanned with DirectScan are sent by email.

Up to 25 recipients can be added.

For details about the setting items, refer to "Network Settings" in the Operator's Guide of your scanner.

Display Name

Set a recipient name.

This can be up to 48 characters long.

You cannot set the same name as a display name that is already registered.

The space before or after the character string is ignored.

The following characters cannot be used:

Control characters from 0x00 to 0x1f, 0x7f

TIP

If the display name contains characters that cannot be displayed on the touch screen of the scanner (such as environment-dependent characters), the name may not display correctly on the screen.

Make sure that the entered display name displays correctly on the touch screen.

E-mail Address

Set a recipient email address.

Specify the correct email address.

The space before or after the character string is ignored.

This can be up to 64 characters long. Separate a user name and host name with @.

The following characters are available. Note that this is case insensitive.

- Alphanumeric characters
- Symbols

.!#\$%&'*/+=?^`_{|}~-

"." cannot be used at the start or end of a user name.

[OK] button

Enables the settings and returns to the previous window.

[Cancel] button

Cancels the settings and returns to the previous window.

See also

[\[Scanner settings\] Tab in the \[New update\]/\[Edit update\] Window \(page 125\)](#)

[Create Job] Window/[Edit Job] Window

Register a job used for DirectScan.

A job is the settings that consist of the scan settings used for scanning documents with a scanner and the destination where the scanned image files are sent.

For details about the setting items, refer to "Network Settings" in the Operator's Guide of your scanner.

Display Name

Set a name for the job.

This can be up to 48 characters long.

You cannot set the same name as a display name that is already registered.

The space before or after the character string is ignored.

The following characters cannot be used:

Control characters from 0x00 to 0x1f, 0x7f

TIP

If the display name contains characters that cannot be displayed on the touch screen of the scanner (such as environment-dependent characters), the name may not display correctly on the screen.

Make sure that the entered display name displays correctly on the touch screen.

Color

Set a color for a job button that you want to display on the touch screen of the scanner.

Destination

Set the method of sending image files.

Destination Setting

Set whether image files are saved to a folder on the network or sent by email.

- Network Directory

This is the default value.

When selecting [Network Directory], set the following items.

- Output Folder Path

Select a save destination for image files.

- FTP

When selecting [FTP], set the following items.

- Output Folder Path

Select a save destination for image files.

- FTPS

When selecting [FTPS], set the following items.

- Output Folder Path

Select a save destination for image files.

- SFTP

When selecting [SFTP], set the following items.

- Output Folder Path

Select a save destination for image files.

- Email

When selecting [Email], set the following items.

- E-mail Address

Select a recipient for image files.

Click [E-mail Address] to display a list of the recipients. Select the check boxes under [Display Name].

- E-mail Subject

Enter the subject of an email to be sent within 48 characters.

The space before or after the character string is ignored.

The following characters cannot be used:

Control characters from 0x00 to 0x1f, 0x7f

TIP

- If not specified, the email will be sent with [E-mail Subject] that was set from the [Linking with Server] menu (page 130) of the [Scanner settings] Tab in the [New update]/[Edit update] Window (page 125).
- If the email subject line contains characters that cannot be displayed on the touch screen of the scanner (such as environment-dependent characters), the subject line may not display correctly on the screen.

- E-mail Text

Enter the body of an email to be sent within 80 characters.

The space before or after the character string is ignored.

The following characters cannot be used:

Control characters from 0x00 to 0x1f, 0x7f

ATTENTION

Enter the body of emails without line breaks.

TIP

- If not specified, the email will be sent with [E-mail Text] that was set from the [Linking with Server] menu (page 130) of the [Scanner settings] Tab in the [New update]/[Edit update] Window (page 125).
- If the email body text contains characters that cannot be displayed on the touch screen of the scanner (such as environment-dependent characters), the text may not display correctly on the screen.

Scan Settings

Configure the scan settings to be used when documents are scanned with the scanner.

Image Mode

Set an image mode.
The default value is [Black & White].

Paper Source

Set a scanning side for a document.
The default value is [Front Side].

Resolution (dpi)

Specify the resolution for images.
The default value is "300".

Thumbnail Screen

Set whether to display thumbnails on the touch screen of the scanner after documents are scanned.
The factory default setting is [Display].

TIP

Thumbnail images are displayed at a lower resolution than the actual image files to be saved in a folder or sent by email.
Use the thumbnails to check whether all the images of scanned documents have been output.

Submission Confirmation Screen

Set whether to display a confirmation window before saving image files to a folder on the network or sending them by email after documents are scanned.
The factory default setting is [Display].

Advanced settings

Configure the advanced scan settings to be used when documents are scanned with the scanner.
Clicking [Advanced settings] enables you to set the following items.

Basic**Paper Size**

Set the paper size of documents to be scanned.
The default value is [Automatic].

Image**Dropout Color**

You can exclude a color from being scanned by selecting either red, green, or blue (three primary colors).

To scan documents without excluding any colors, set to [None].

For example, when scanning a document with black characters and a green frame, if you select green for the dropout color, only the black characters of the document are scanned.

This can be set when [Black & White], [Grayscale], or [Automatic Color/Grayscale Detection] is selected for [Image Mode] and [Image] is displayed.
The default value is [Green].

ATTENTION

If the target color on the document is pale, the function works the best. However if the target color is too dark, it may not be excluded.

TIP

The setting is disabled when [Automatic Color/Grayscale Detection] is selected for [Image Mode] and a color image is detected.

Page

Rotation

Corrects the image orientation.
Set a rotating direction for an image.
The default value is [0 degrees].

Blank Page

Set whether to remove blank pages.
The default value is [Do not delete].

Paper Feeding

Manual Feed Mode

Set whether to enable the Manual Feed Mode.
Set [Enable] when you want to load and scan documents that cannot be loaded together (such as magazines or newspaper clippings), or multi-layered documents (such as documents folded in half, envelopes, and multi-layered transfer papers) one at a time.
The default value is [Disable].

Multifeed Detection

Set whether to detect overlapped documents.
Select [Detect] to detect more than one sheet being fed at a time.
When [Detect] is selected and overlapped documents are detected, document feeding stops and the confirmation message is displayed on the touch screen.
The default value is [Do not detect].
When selecting [Detect], set the following items.

- **Multifeed Detection Condition**
Set how to detect overlapped documents.
 - Overlapping

Uses the ultrasonic sensors inside the scanner to monitor the documents during feeding, and detects overlapped documents according to the deviation of the reflected ultrasonic waves. This is the default value.

- Length

Monitors the document length during feeding, and detects overlapped documents according to the deviation of detected lengths.

ATTENTION

Do not scan a batch of documents with differing lengths. Doing so causes the false detection of overlapped documents.

However, if the documents differ in length by 10 mm or less, any document overlapping will not be detected.

- To scan documents with different lengths, select [Overlapping].
- Even when scanning documents of the same length, if a piece of paper such as a sticky note, receipt, or photo is attached to a document, the scanner may detect document overlapping due to the attached paper when [Overlapping] is selected. In this case, selecting [Length] prevents the false detection of document overlapping.

- Overlapping and Length

Detects overlapped documents by the combination of [Overlapping] and [Length].

Batch

Continuous Scan

Set whether to continue scanning when additional documents are loaded, after all documents loaded in the scanner are scanned.

Select [On] to continue scanning.

The default value is [Off].

Barcode Detection

Set whether to output the barcode values on documents to index the files.

When [Detect] is selected, index files will be created.

The default value is [Do not detect].

For details about barcodes that can be detected or index files, refer to the Operator's Guide of your scanner.

ATTENTION

[Barcode Detection] cannot be set when [Email] is selected for [Destination Type].

When selecting [Detect], set the following items.

- Barcode Detection Area

Set the area to detect barcodes on.

When a rotation direction of an image is set for [Rotation], the detection area is applied to the image before it is rotated.

A barcode will be detected when the entire barcode appears within the defined detection area.

The default value is [Top].

- Barcode Detection Side
Set the document side to detect barcodes on.
The default value is [Front Side].
- Barcode Detection Target
Set the target page in the document to detect barcodes on.
The factory default setting is [First sheet only].
- Barcodes per page
Specify the maximum number of barcodes to be detected per page from 1 to 20.
Note that the bigger the maximum number is, the longer it takes for scanning.
The default value is "1".

File Name

File Format

Set a file format of images.

The default value is [PDF].

ATTENTION

[JPEG] cannot be selected when [Image Mode] is selected for [Black & White].

When selecting [JPEG], set the following items.

- JPEG Compression
Adjust the data size of a JPEG image.
 - Large
Compared to [Medium], the file size becomes smaller and the image quality becomes lower.
 - Medium
This is the default value.
 - Small
Compared to [Medium], the image quality becomes higher and the file size becomes larger.
In addition, scanning may take longer.

Name Rule

Set a file naming rule of images.

The default name is [{File Name}] + [{Scanned date/time}] + "_" + [{Counter}]

When selecting an item that includes [File Name], set the following items.

- [Add {Serial Number} to the beginning] check box
Select this check box to add a serial number to the beginning of the file name.

Prefix

Enter a string of 40 characters or less to be added to file names.

The space before or after the character string is ignored.

The default value is "untitled".

The following characters cannot be used:

- Space
- Symbols
Other than "-" and "_"
- Control characters
0x00 to 0x1f, 0x7f

TIP

If the string contains characters that cannot be displayed on the touch screen of the scanner (such as environment-dependent characters), the string may not display correctly on the screen.

Counter (Digit)

Set the number of digits (between 0 and 6) for the counter when the counter is added to the image file names.

When "0" is specified, ["_" + {counter}] is not added to the file names.

The default value is "3".

[Save] button

Saves the settings that were entered.

[Cancel] button

Cancels the settings and returns to the previous window.

[Obtain the latest update file from the website] Window

Select the application that you want to register with PaperStream Central Admin.

Filter Conditions

Set filter conditions to narrow down the contents of the application list.

Target models

Enter a scanner model.

Type

Select the application type.

[Refresh List] button

Refresh the application list narrowed down by the filter conditions.

Application list

Select the application to download.

Select the check box for the application that you want to apply to the computer. Only one application can be selected.

[OK] button

Enables the settings and returns to the previous window.

[Cancel] button

Cancel the settings and returns to the previous window.

See also

[\[Application\] Tab in the \[New update\]/\[Edit update\] Window \(page 144\)](#)

[Order in which to apply] Window

This window allows you to set the order in which updates are applied.

Arrange updates in the order they are applied, starting at the top of the list.

Select an update name in the list, then either click the button or drag and drop it to rearrange the order.

The order on this window is applied to the list of updates.

When using the Gate Console function, also refer to [Specifications for Using the Gate Console Function \(page 259\)](#).



Moves an update up one level in the order in which to apply.



Moves an update down one level in the order in which to apply.

[OK] button

Enables the settings and returns to the previous window.

[Cancel] button

Cancels the settings and returns to the previous window.

See also

[\[Update\] \(page 120\)](#)

[Update Status] Window

Check if the update modules have been applied to the scanners or computers according to the updates created in the [New update]/[Edit update] window.

Name

Displays the names for the updates, which are created in the [New update]/[Edit update] window.

Search box

You can search the list. Up to 64 characters can be entered.

Clicking [Advanced Search] enables you to specify a search condition for each item in the list.

Displayed when search targets are registered.

[Scanner Details] button/[Computer Details] button

Click this button to view the details of the scanners or the computers.

For the [Scanner Details] button, the [Scanner Details] window appears.

➔ [\[Scanner Details\] Window \(page 105\)](#)

For the [Computer Details] button, the [Computer Details] window appears.

➔ [\[Computer Details\] Window \(page 117\)](#)

This button is displayed when a check box is selected in the scanner list or computer list.

[Error To Lift] button

Clear [Failed To Apply] displayed in [Status].

This button is displayed when the check box for the scanner or computer with [Failed To Apply] displayed in [Status] is selected.

If [Failed To Apply] is displayed in [Status], the update will not be applied until [Failed To Apply] is cleared.

If there are multiple updates for a single scanner group or computer group, clearing [Failed To Apply] will reapply the update. Once the update is successfully applied, the next update will be applied.

TIP

Before clearing [Failed To Apply], resolve the problems.

Scanner list/Computer list

Displays the names of the targets.

To view the scanner information, click the name link in the [Scanner Name] column. The [Scanner Details] window appears.

➔ [\[Scanner Details\] Window \(page 105\)](#)

To view the computer information, click the name link in the [Computer Name] column. The [Computer Details] window appears.

➔ [\[Computer Details\] Window \(page 117\)](#)

[Back] button

Returns to the previous window.

See also

[\[Update\] \(page 120\)](#)

[\[Select a scanner to obtain the settings from\] Window \(page 148\)](#)

[Event Log]

You can see events output from PaperStream Central Admin.

When using the Gate Console function, also refer to [Specifications for Using the Gate Console Function \(page 259\)](#).

For details about how to deal with the events, refer to [How to Deal with Events \(page 199\)](#).

Search box

You can search the list. Up to 64 characters can be entered.

Clicking [Advanced Search] enables you to specify a search condition for each item in the list.

Displayed when search targets are registered.

[Clear Log] button

Deletes all the events shown in the event log list.

A remove confirmation window appears.

[Export] button

Exports events into a CSV file.

For details about CSV files, refer to [Event Log File Format \(page 278\)](#).

An export confirmation window appears.

All the event logs will be exported into a file. The settings configured for the search box will not be applied.

[Details] button

View the details of an event log.

The [Event Details] window appears.

This button is displayed when the check box is selected in a list of the event logs.

Event log list

Displays a list of the event logs.

To view the details about an event log, click the link for [Date/Time]. The [Event Details] window appears.

See also

[How to Deal with Events \(page 199\)](#)

[Event Details] Window

View the details of an event log.

[Error Details] button

This button is enabled when Error Recovery Guide has been installed.

Click this button to display the details of the error in Error Recovery Guide.

For details about Error Recovery Guide, refer to [Installing Error Recovery Guide \(page 33\)](#).

[OK] button

Closes the window.

See also

[\[Event Log\] \(page 169\)](#)

[How to Deal with Events \(page 199\)](#)

[Statistics]

View the statistics information, such as the total throughput maintained with PaperStream Central Admin. When using the Gate Console function, also refer to [Specifications for Using the Gate Console Function \(page 259\)](#).

TIP

Information on the total throughput maintained with the scanners can be checked in [ADF (Sheets)] or [Flatbed or Other Types (Sheets)] in the scanner list.

Total (Sheets)

Displays the throughput maintained with PaperStream Central Admin.

ADF (Sheets)

Displays the ADF throughput maintained with PaperStream Central Admin.
For fi-800R, displays the throughput with U-turn Scan here.

Flatbed or Other Types (Sheets)

Displays the throughput by other openings maintained with PaperStream Central Admin.
For fi-800R, displays the throughput with Return Scan here.

Search box

You can search the list. Up to 64 characters can be entered.
Clicking [Advanced Search] enables you to specify a search condition for each item in the list.
Displayed when search targets are registered.

[Export] button

Outputs the statistics information shown in the statistics list to a CSV file.
For details about a CSV file, refer to [Statistical Information File Format \(page 279\)](#).
An export confirmation window appears.

[Details] button

View the details of the scanners.
The [Scanner Details] window appears.
➔ [\[Scanner Details\] Window \(page 105\)](#)
This button is displayed when the check box is selected in a list of the statistics.

Statistics list

You can view the statistics information of the scanners in a list according to the specified period and/or the settings for the search box.
Click a name link in the [Scanner Name] column to display the [Scanner Details] window, where you can view the device details.
One of the following is displayed for [Status].

- Administered

Indicates that the scanner is currently administered.

- Not Administered

Indicates that the scanners fall into the following after they are registered with PaperStream Central Admin.

- Scanners that have never communicated with PaperStream Central Admin
- Scanners that have scanned at least once within the specified period but have not currently been registered

- Unknown

Indicates that the date for [Last Status Update] on the [Scanner Details] window is the same date as or earlier than [To] in [Period].

For example, the status applies to the scanners which are administered at present and whose statistics information within the period are not notified to PaperStream Central Admin due to the following reasons:

- Cannot connect to PaperStream Central Admin
- The scanner is not powered on

[Gate Console]

To manage more than 1,000 scanners, link between multiple PaperStream Central Admin applications using the Gate Console function.

Setting a PaperStream Central Admin application as a leader or follower allows you to link with other PaperStream Central Admin applications.

ATTENTION

To use the Gate Console function, WebSocket must be enabled in Windows.

The following description uses Windows 10 as an example.

- 1 Select [Turn Windows features on or off] for [Programs and Features] in [Control Panel].
- 2 Click [Internet Information Services] → [World Wide Web Services] → [Application Development Features] and select [WebSocket Protocol].

If you change the settings to use HTTPS for communication, it may take several minutes for WebSocket to start up on some server operating systems.

Gate Console

Select whether to use the Gate Console function.

- Do not use
Does not use the Gate Console function.
This is the default value.
- Use it as a leader
Uses your PaperStream Central Admin as a leader.
→ [When \[Use it as a leader\] is selected for \[Gate Console\] \(page 173\)](#)
- Use it as a follower
Uses your PaperStream Central Admin as a follower.
→ [When \[Use it as a follower\] is selected for \[Gate Console\] \(page 176\)](#)

[Save] button

Saves the settings that were entered.

- **When [Use it as a leader] is selected for [Gate Console]**

Set followers to be managed by the leader.

[Register a Follower] button

Used to register PaperStream Central Admin to be managed as a follower.

The [Register a Follower] window appears.

→ [\[Register a Follower\] Window \(page 177\)](#)

Up to 50 followers can be registered. This button is not displayed when 50 followers have already been registered.

[Synchronize the Followers] button

Used to synchronize with the followers and updates the displays of [Status] and [Follower Synchronized Date and Time] in the follower list.

This button is displayed when PaperStream Central Admin you are using is a leader and the check box for a follower identification name is selected in the follower list.

ATTENTION

After synchronizing data with a follower, removing the scanner synchronized with the follower from the leader will also remove the scanner from the follower.

[Edit the Follower] button

Used to edit the follower information.

The [Edit the Follower] window appears.

➔ [\[Edit the Follower\] Window \(page 178\)](#)

This button is displayed when PaperStream Central Admin you are using is a leader and the check box for a follower identification name is selected in the follower list.

[Delete the Followers] button

Deletes the followers from the follower list.

This button is displayed when PaperStream Central Admin you are using is a leader and the check box for a follower identification name is selected in the follower list.

[Import] button

Imports the follower information from a CSV file and registers the followers in bulk.

The window for selecting a file appears. Select a CSV file.

For details about this type of CSV files, refer to [Follower Information File \(page 280\)](#).

TIP

Only followers with follower identification names that are not registered with PaperStream Central Admin will be registered.

[Export] button

Outputs the information shown in the follower list to a CSV file.

This button is displayed when a follower is registered.

For details about this type of CSV files, refer to [Follower Information File \(page 280\)](#).

TIP

- Provisionally register one follower and click the [Export] button to output a CSV file. This file can be used to create a CSV file for import.
- When HTTPS is used to communicate with a browser for PaperStream Central Admin, clear the following check box temporarily in order to export the file.

[Control Panel] → [Internet Options] → [Advanced] tab → [Do not save encrypted pages to disk] under [Security]

Follower List

Lists the information of the managed followers.

Follower Identification Name

Displays the follower identification name.

Click a name link in the [Follower Identification Name] column to display the [Edit the Follower] window.

➔ [\[Edit the Follower\] Window \(page 178\)](#)

Host Name/IP address

Displays the IP address, host name, or FQDN of the follower.

Status

Displays the icon for the status of the follower.

(Normal)

The data is synchronized with the leader normally.

(Unreported)

The status is one of the following:

- The leader has never communicated with the follower

Once the leader communicates with the follower, this status will change to  (Normal).

- The leader cannot connect to the follower due to a disconnected network or other reasons
- The linkage was disconnected by the follower
- The leader cannot communicate with the follower successfully because an error occurs on the follower's side

(Error)

The versions of PaperStream Central Admin for the leader and follower do not match.

Communication Method

Displays the communication method with the follower.

Number of Managed Scanners

Displays the number of scanners managed by the follower.

Number of Managed Computers

Displays the number of computers managed by the follower.

Follower Synchronized Date and Time

Displays the date and time synchronized with the follower. If the data has never been synchronized, "-" is displayed.

Comment

Displays the comment on the follower.

- **When [Use it as a follower] is selected for [Gate Console]**

Specify the leader PaperStream Central Admin of the group to be registered.

Leader's Host Name/IP address

Enter the IP address (IPv4 address format), host name, or FQDN of the leader. This can be up to 255 characters long.

Port Number

Enter a port number between 1 and 65535 to be used to communicate with the leader. The default value is "20444".

Configure the same setting as the setting in [Scanner Settings] in the [Preferences] window on the leader.

[Use HTTPS for communication] check box

Select this check box to use HTTPS to communicate with the leader.

Configure the same setting as the setting in [Scanner Settings] in the [Preferences] window on the leader.

Follower Identification Name

Enter the follower identification name. The follower identification names to be registered on the leader's and follower's side must match.

This can be up to 64 characters long.

The following symbols cannot be used:

"|*?<>/\

[Register a Follower] Window

Used to register PaperStream Central Admin that you want to make your follower.

Follower Identification Name

Enter the follower identification name. The follower identification names to be registered on the leader's and follower's side must match.

This can be up to 64 characters long.

The following symbols cannot be used:

"|*?<>/\

Host Name/IP address

Enter the host name, FQDN, or IP address (IPv4 address format) of PaperStream Central Admin that you want to make your follower. This can be up to 255 characters long.

Comment

Enter a comment on the follower.

This can be up to 256 characters long.

The following symbols cannot be used:

"|*?<>/\

[Register] button

Enables the settings and returns to the previous window.

[Cancel] button

Cancel the settings and returns to the previous window.

[Edit the Follower] Window

Used to edit the follower information.

Follower Identification Name

Enter the follower identification name. The follower identification names to be registered on the leader's and follower's side must match.

This can be up to 64 characters long.

The following symbols cannot be used:

"|*?<>/\

Host Name/IP address

Edit the host name, FQDN, or IP address (IPv4 address format) of the displayed follower, if necessary.

Comment

Enter a comment on the follower.

This can be up to 256 characters long.

The following symbols cannot be used:

"|*?<>/\

[OK] button

Enables the settings and returns to the previous window.

[Cancel] button

Cancels the settings and returns to the previous window.

[Preferences]

Configure the network settings for PaperStream Central Admin and the environment where the scanners and computers are managed.

TIP

Configuring the following settings enables this product to receive notifications from managed scanners or computers and display information for each notification. However, if the computer on which this product is installed is in hibernation mode, this product cannot receive notifications.

- Operation Monitor Settings
- Maintenance Notification Settings

- [Network Connection \(page 179\)](#)
- [LDAP Server \(page 180\)](#)
- [Operation Monitor Settings \(page 182\)](#)
- [Time the Settings Are Applied \(page 182\)](#)
- [Check for updates \(page 183\)](#)
- [Log Retention \(page 184\)](#)
- [Maintenance Notification Settings \(page 184\)](#)
- [Add custom fields \(page 185\)](#)
- [Error Notification Settings \(page 185\)](#)
- [SNMP Linkage \(page 189\)](#)
- [Data Import/Export \(page 190\)](#)

[Save] button

Saves the settings that were entered.

[Change Administrator Information] button

Change the user name and password used for logging in to PaperStream Central Admin. The [Change Administrator Information] window appears.

➔ [\[Change Administrator Information\] Window \(page 193\)](#)

If you log in using an LDAP server, the button will not appear.

● Network Connection

Configure the network settings.

Browser Settings

[Use HTTPS for communication] check box

Select this check box to use HTTPS to communicate with a browser.

Port Number

Enter the port number used to communicate with a browser. The default value is "10444". You can enter "80", "443", or a value between "1024" and "65535".

TIP

To use HTTPS to communicate, import a certificate.

- 1 Select [Start] menu → [Windows Administrative Tools] → [Internet Information Services (IIS) Manager].
[Internet Information Services (IIS) Manager] appears.
- 2 Double-click [Server Certificates] in the home window.
- 3 Select [Import] in the [Actions] pane.
- 4 Follow the instructions on the displayed window.

[Scanner Settings]**[Use HTTPS for communication] check box**

Select this check box to use HTTPS to communicate with scanners.

Port Number

Enter the port number used to communicate with scanners. The default value is "20444". You can enter "80", "443", or a value between "1024" and "65535".

[Maximum Connections]

Select the maximum number of scanners that can be connected to PaperStream Central Admin simultaneously. The default value is "10".

Increasing the number of the maximum connections will allow communication with more scanners simultaneously, which improves efficiency when applying updates. However, it will put a load on the network.

- **LDAP Server**

Configure the LDAP server used for user authentication when logging in to PaperStream Central Admin.

[Use LDAP for administrator login] check box

Select this check box to use LDAP authentication when logging in to PaperStream Central Admin. When the check box is selected, set the following items.

LDAP Server Type

Select the type of the LDAP server to be connected from one of the following:

- Active Directory
- Active Directory Global Catalog
- Other LDAP server

[Use SSL] check box

Select this check box to use SSL to communicate with the LDAP server.

[Certificate Only, CA not validated] check box

This check box is available if the [Use SSL] check box is selected. Select this check box to validate the server certificate but not the certification path (certificate authority).

LDAP Server

Enter the host name, FQDN, or IP address for the LDAP server to be used. This can be up to 255 characters long.

Port Number

Enter a port number between 1 and 65535, to be used by PaperStream Central Admin to communicate with the LDAP server. The default values are as follows.

- When the [Use SSL] check box is selected
The default value is "636" if [Active Directory] or [Other LDAP server] is selected for [LDAP Server Type].
The default value is "3269" if [Active Directory Global Catalog] is selected.
- When the [Use SSL] check box is cleared
The default value is "389" if [Active Directory] or [Other LDAP server] is selected for [LDAP Server Type].
The default value is "3268" if [Active Directory Global Catalog] is selected for [LDAP Server Type].

LDAP Server Authentication

Enter an authorized user name and password when searching for users to be logged in to the LDAP server, when [Other LDAP Server] is selected for [LDAP Server Type].

Authorized User (DN)

Enter a user name to be authorized. Enter an authorized user name in DN format. Alphanumeric characters and symbols can be used. Note that characters are case-sensitive.
If left blank, the user is authenticated as an anonymous user.

Password

Enter a password to be authorized. This can be up to 255 characters long. Alphanumeric characters and symbols can be used. Note that characters are case-sensitive.

Login User Attributes

Select a login user attribute.

Select whether to search for LDAP server login users by either "uid" or "cn", when [Other LDAP Server] is selected for [LDAP Server Type].

Search Base (DN)

Enter a character string to be used as the LDAP search base.

The LDAP entries under the character string entered here will become the search target.

This can be up to 255 single-byte characters long. Single-byte and double-byte characters can be used.

Search Timeout

Select the timeout time of LDAP search. The default value is "60" seconds.

LDAP User Name

Enter the LDAP user name to be used for logging in to PaperStream Central Admin.

[Connect] button

Shows the window for setting access authorization details. Tests whether the LDAP server can be correctly connected with the entered LDAP user name.

If an LDAP server connection cannot be successfully established, perform one of the following.

- Check if the computer connected to the LDAP server is running properly.
- Check if another computer can be connected to the LDAP server.
- If the LDAP server is the only server that cannot connect to the network, request the network administrator to check that the LDAP server and the network connection to the server are functioning normally.
- Check that the LDAP server address and the port number.

[Disable the default administrator account] check box

Select this check box if you want to disable logging in with the account set on the [Change Administrator Information] window.

- **Operation Monitor Settings**

Configure the settings related to the scanner status.

[Clear the error status when the scan is successfully completed] check box

Select this check box to clear the error mark when the scan is successfully completed.

This is selected by default.

- **Time the Settings Are Applied**

Set a time to apply the updates when selecting [Use the default setting] for [When To Apply] in the [When To Apply] tab in the [New update] window/[Edit update] window.

When To Apply

Set when to apply the updates.

Start

Displayed when [Apply at the specified time] is selected for [When To Apply].

Specify the time to start applying the updates.

End

Displayed when [Apply at the specified time] is selected for [When To Apply].

Specify the time to finish applying the updates.

If applying the updates is not complete by the end time, the updates will be applied to the rest of the targets from the next start time. Depending on the network environment, it may take a long time to apply the updates. If you want to apply the updates at one time, set the end time so that sufficient time is secured to apply the updates.

● Check for updates

Set this when you want to specify [Select from the Website] for [Registration Method] in the [Firmware] tab in the [New update]/[Edit update] window.

The computer must be connected to the Internet.

[Use proxy server] check box

Select this check box to use a proxy server when PaperStream Central Admin is connected to the website.

Proxy Server

Enter the host name, FQDN, or IP address for the proxy server to be used. This can be up to 255 characters long.

Port Number

Enter a port number between 1 and 65535, to be used by PaperStream Central Admin to communicate with the proxy server.

[Authentication is required] check box

Select this check box when the specified proxy server is required for authentication.

Username

Enter a user name that is used for a proxy server authentication. This can be up to 255 characters long.

Alphanumeric characters and symbols can be used. Note that characters are case-sensitive.

Password

Enter a password that is used for a proxy server authentication. This can be up to 255 characters long.

Alphanumeric characters and symbols can be used. Note that characters are case-sensitive.

[Display keystrokes] check box

Select this check box to display characters entered in [Password].

- **Log Retention**

Set the number of days to keep event logs.

Keep records for

Select the maximum number of days to keep event logs. The default value is "30" days.

- **Maintenance Notification Settings**

Configure the settings to issue a notification that scanner maintenance is necessary.

When to Notify

[The scan count exceeds the cleaning cycle] check box

Select this check box to issue a notification when throughput exceeds a cleaning cycle.

To issue a notification, either of the following must be enabled beforehand. For details, refer to the Operator's Guide of your scanner.

- [Issue a cleaning time notification] on the touch screen of the scanner
- [Show cleaning instructions.] on Software Operation Panel

[Maintenance parts need to be cleaned] check box

Select this check box to issue a notification when a maintenance part needs cleaning.

Note the maintenance parts are cleaned by a service engineer.

[Glass cleaning required] check box

Select this check box to issue a notification when the glass inside the scanner needs cleaning.

To issue a notification, the notification settings must be configured on the scanner. For details, refer to the Operator's Guide of your scanner.

[The number of paper jam or multifeed occurrences exceeds the limit] check box

Select this check box to issue a notification when the number of paper jam or multifeed occurrences exceeds the specified number of times.

[Determine by number of occurrences within one day] check box

Select this check box to count the number of paper jam or multifeed occurrences in one day in order to determine when a notification is to be issued.

Occurrence

Select the number of occurrences that is used to determine when a notification is to be issued. The default value is "5" times.

[Determine by number of occurrences within throughput] check box

Select this check box to count the number of paper jam or multifeed occurrences in a range of the number of sheets that is specified in [Scan Count] in order to determine when a notification is to be issued.

Scan Count

Select the number of scanned sheets that is used to determine when a notification is to be issued. The default value is "100" sheets.

Occurrence

Select the number of occurrences that is used to determine when a notification is to be issued. The default value is "10" occurrences.

● Add custom fields

Add the items to be managed as scanner information or computer information. The added items will be displayed on the following windows:

- [Scanner Details] Window
- [Edit Scanner Configuration Information] Window
- [Computer Details] Window
- [Edit Computer Configuration Information] Window

[Add] button

Register the items to be managed as scanner information or computer information. The [Custom Fields] window appears.

➔ [\[Custom Fields\] Window \(page 192\)](#)

[Edit] button

Edit the user-customized items. The [Custom Fields] window appears.

➔ [\[Custom Fields\] Window \(page 192\)](#)

This button is displayed when the check box for a user-customized item is selected.

[Remove] button

Removes the items selected in a list of user-customized items.

A remove confirmation window appears.

This button is displayed when a user-customized item is registered.

List of user-customized items

Lists the added items.

Click the item link to show the [Custom Fields] window, where the item name can be edited.

● Error Notification Settings

Set whether to send a notification email to the administrators when consumable part replacement is required or an error has occurred in scanners.

[Send error notification e-mails] check box

Select this check box to send a notification email to the administrators.

If this check box is selected, a notification email is sent when a "Error" or "Warning" event log occurs.

If an error of the same code occurs more than once continuously within a minute, a notification email is sent for the first occurrence of the error.

[Send a warning event as well] check box

Select this check box to send notifications about "Warning" events.

Clear this check box to send notifications about "Error" events only.

SMTP Server

Set the server for sending and receiving emails.

Enter the SMTP server to be used within 255 characters.

The host name, FQDN, or IP address (IPv4 address format) can be set for this item.

Alphanumeric characters, "-", and "." can be used. Note that the characters are case insensitive.

The space before or after the character string is ignored.

When the authentication method is [Exchange Online OAuth 2.0 authentication],

"smtp.office365.com" is entered automatically, but you can change it.

SMTP Server Port Number

Enter a port number between 1 and 65535, to be used for communication between the scanners and SMTP server.

The default value is "25".

When the authentication method is [Exchange Online OAuth 2.0 authentication], the value is fixed at "587".

SSL

Select the SSL method.

The default value is [Disabled].

When the authentication method is [Exchange Online OAuth 2.0 authentication], the value is fixed at [STARTTLS on].

[Authentication is required] check box

Set whether to require user authentication when connecting to the SMTP server.

The check box is cleared by default.

When the check box is selected, set the following items.

Authentication Method

Select an authentication method for user authentication.

The default value is [Basic authentication].

- Basic authentication

Authenticate using a user name and password.

Username

Set a user name for authentication.

This can be up to 256 characters long.

The space before or after the character string is ignored.

The following characters are available.

- Alphanumeric characters

- Symbols

.-_@

"." cannot be used at the start or end of a user name.

Password

Set a password for authentication.

This can be up to 256 characters long.

The following characters are available.

- Alphanumeric characters

- " " (space)

Spaces before and after the character string are maintained.

- Symbols

-/;()\&@".,?!'#%^*+=_~<>\$[]`{ }

- Exchange Online OAuth 2.0 authentication

Authenticate using an authorization code from Microsoft.

For details about setting up OAuth 2.0 authentication for sending email via Exchange Online, refer to [Setting up Exchange Online OAuth 2.0 Authentication for Sending Emails \(page 54\)](#).

Code

When the authorization code is provided, the code and the [Copy] button are displayed.

[Obtain] button

Obtain an authorization code.

After the authorization code is obtained, this button changes to the [Refresh] button.

[Copy] button

Copy the displayed authorization code to the clipboard.

You can paste the copied authorization code into the authentication window when authenticating.

[Refresh] button

Refreshes the obtained authorization code if authentication is not possible with it.

When authentication is completed with the refreshed authorization code, this button changes back to the [Obtain] button.

Authentication Status

Displays the current authentication status.

- When authentication is complete, [Completed] is displayed.

- When authentication is incomplete or has expired, [Not completed] is displayed.

[Start authentication] button

Starts authentication.

Displays the authentication window.

When authentication is complete, this button changes to the [Reauthenticate] button.

The authenticated user name is also displayed.

You can click the [Start authentication] button after obtaining an authorization code.

[Reauthenticate] button

When the authorization code is refreshed, reauthenticate with the new code.

Displays the authentication window.

Recipient e-Mail Address

Set the recipient email addresses of the administrators. Up to five addresses can be specified.

Multiple email addresses must be separated using spaces, line feeds or ";" (semicolons).

Sender's E-mail Address

This can be up to 256 characters long. Separate a user name and host name with @.

The space before or after the character string is ignored.

The following characters are available.

- Alphanumeric characters
- Symbols

.-_@

"." cannot be used at the start or end of a user name.

Depending on the SMTP server you are using, entering an email address other than the one used for authentication may result in an error.

When the authentication method is [Exchange Online OAuth 2.0 authentication] and authentication is complete, the authenticated email address is automatically entered. You can change the email address to one that is allowed by your SMTP server.

Character Encoding

Specify the character encoding for the email subject and body.

Auto

Automatically selects the character encoding according to the language of PaperStream Central Admin.

Unicode(UTF-8)

Uses the UTF-8 character encoding.

[Send a test message] button

Sends a test email to confirm that the email address set in [Recipient e-Mail Address] can receive error notification emails correctly.

● SNMP Linkage

Configure settings to notify the SNMP manager of SNMP traps.

Version

Select the SNMP version.

Engine ID

Set the engine ID to identify the SNMP agent when [v3] is selected for [Version].

This can be up to 27 characters long. Note that characters are case-sensitive.

The following characters are available.

- Alphanumeric characters
- Symbols

`-/:;()\&@".?!#%^*+=_~<>$[]`{}^`

SNMP Notification

Notification

Select whether to notify the SNMP manager of SNMP events.

Address

Enter the IP address of the SNMP manager.

The host name, FQDN, or IP address can be set for this item.

Community Name

If [v1/v2c] is selected for [Version], specify the community name of the SNMP notification destination.

Username

Select the SNMP agent user name.

[Send a test message] button

Sends a SNMP trap to confirm that the destination set in [Address] can receive SNMP traps correctly.

SNMP Agent Settings

[Enable SNMP Agent] check box

Select this check box to use PaperStream Central Admin as an SNMP agent.

TIP

When the Windows SNMP service is running, clicking the [Save] button on the [Preferences] window will display a confirmation window asking if you want to stop the Windows SNMP

service. Click the [OK] button to enable the SNMP agent. For the Windows SNMP service, the status will be "Stopped" and the startup type will be "Disabled".

SNMP v1/v2c Setting

This item is available if [v1/v2c] is selected for [Version].

Community Name

Specify the SNMP agent community name.

SNMP v3 Setting

This item is available if [v3] is selected for [Version].

[Add] button

Add an SNMP v3 user.

The window for setting a user appears.

[Edit] button

Edit an SNMP v3 user.

The window for setting a user appears.

This button appears when the check box for a user name is selected in the list.

[Remove] button

Delete an SNMP v3 user.

A remove confirmation window appears.

This button appears when the check box for a user name is selected in the list.

● Data Import/Export

Set the character set for the CSV file to be imported to/exported from PaperStream Central Admin.

CSV File Character Set

Select the character set for the following CSV files:

- CSV file that is imported or exported when the [Import] or [Export] button is clicked in the [Serial Number Registration] window
- CSV file that is exported when the [Export] button is clicked in [Scanner]
- CSV file that is exported when the [Export] button is clicked in [Computer]
- Separate settings file that is imported or exported when the [Import] or [Export] button is clicked in the [Scanner settings] tab in the [New update]/[Edit update] window
- CSV file that is exported when the [Export] button is clicked in [Event Log]
- CSV file that is exported when the [Export] button is clicked in [Statistics]
- CSV file that is imported or exported when the [Import] or [Export] button is clicked in [Gate Console]

See also

[\[When To Apply\] Tab in the \[New update\]/\[Edit update\] Window \(page 145\)](#)

[\[Scanner Details\] Window \(page 105\)](#)

[Custom Fields] Window

Create user-customized items (optional items) that are displayed in the scanner list, computer list, or other windows.

Custom field name

Enter a name of the optional item that you want to manage.

This can be up to 45 characters long. Note that characters are case-sensitive.

The following characters cannot be used:

"|*?<>/\

Up to 10 items can be added. You cannot add items with the same name as an existing custom field name.

[OK] button

Enables the settings and returns to the previous window.

[Cancel] button

Cancels the settings and returns to the previous window.

See also

[\[Preferences\] \(page 179\)](#)

[Change Administrator Information] Window

Change the user name and password used for logging in to PaperStream Central Admin.

The local accounts of PaperStream Central Admin can be changed.

Username

Change the user name for logging in to PaperStream Central Admin. The default value is "admin".

This can be up to 255 characters long.

The following characters are available.

- Alphanumeric characters
- Symbols

.-_@

"." cannot be used at the start or end of a user name.

Current Password

Enter the current password for logging in to PaperStream Central Admin. The default value is

"password".

New Password, Confirm New Password

Enter a new password for logging in to PaperStream Central Admin.

The password must be between 7 and 128 characters long.

The following characters are available.

- Alphanumeric characters
- " " (space)
Spaces before and after the character string are maintained.
- Symbols

-/:;()\&@".,?!#%^*+=_~<>\$[]' {}

[OK] button

Enables the settings and returns to the previous window.

[Cancel] button

Cancels the settings and returns to the previous window.

[About]

The version and license information of PaperStream Central Admin that is installed can be viewed.

Troubleshooting

This section provides solutions for troubles that may occur when PaperStream Central Admin is in use.

TIP

For the following, refer to the Operator's Guide of your scanner model.

- Troubles related to the scanner and the connection
- Ways to clean the scanner and replace consumables
- Software Operation Panel

A Scanner to Be Registered Is Not Displayed in the [Scanner Search] Window

Check if the scanner that you want to register is powered on.

TIP

A scanner that is not powered on is not searched for.


If a desired scanner is not found even though it is turned on and included in the same subnetwork, search for the scanner using a range of IP addresses.


- 1** Click the [Scanner] menu.
A scanner list is displayed.
- 2** Select [IP Address Search] from the [Scanner Search/IP Address Search] drop-down list.
The [Scanner Search] window appears.
- 3** Enter the IP address range to search for scanners for [Search Range].
- 4** Click the [Add] button.
- 5** Click the [Start] button.

"Unreported" Mark Remains in [Status] for a Scanner

This section describes how to deal with  (Unreported) that is displayed in the scanner list in [Scanner].

- **Immediately after a scanner is registered**

 (Unreported) is displayed in [Status] in the scanner list because the scanner is provisionally registered.

Once a provisionally registered scanner communicates with PaperStream Central Admin, the mark in [Status] will change to  (Normal).

- **If the [Status] does not change from [Unreported] to [Normal]**

The communication protocols for the scanner and PaperStream Central Admin may be different. Check the communication protocols.

- **Communication protocol for the scanner**

You can check and change the communication protocol on the operation screen of the scanner or in the window of fi Series Network Settings (browser).

fi Series Network Settings (browser) can be displayed by clicking the [fi Series Network Settings] button in the [Scanner Details] window.

➔ [\[Scanner Details\] Window \(page 105\)](#)

- **Communication protocol for PaperStream Central Admin**

You can check and change the communication protocol in [Network Connection] in the [Preferences] window.


➔ [\[Preferences\] \(page 179\)](#)

If the problem still persists even after checking and changing the communication protocol, turn the scanner off and then back on.

See also

[\[Scanner\] \(page 96\)](#)


I Want to Clear Error Marks on Scanner Information


This section describes how to clear  (Error) that is displayed in the scanner list for [Scanner].

ATTENTION



Before following this procedure, be sure to check the errors in the window for the [Event Log] menu and deal with them.

For details about the window for [Event Log], refer to [\[Event Log\] \(page 169\)](#).

- 1 Selects all check boxes for scanners with  (Error) displayed in [Status].
- 2 Click the [Error To Lift] button.

The marks in [Status] will be changed to  (Normal).

TIP

If a scanner with  (Error) displayed in [Status] scans documents successfully, the mark changes to  (Normal) automatically.

See also

[\[Scanner\] \(page 96\)](#)

[\[Preferences\] \(page 179\)](#)

A [Failed to Apply] Error Keeps Occurring

This section describes a solution for a problem in which the [Failed to Apply] error occurs and the event log reports "Failed to install".

The scanner firmware version may not be supported by PaperStream Central Admin. Update the scanner firmware to the latest version.

For details about the supported scanners, refer to the following:

<https://www.pfu.ricoh.com/global/scanners/fi/sca/>

How to Deal with Events

This section describes actions you should take to deal with major events.

Click the [Error Details] button in the [\[Event Details\] Window \(page 170\)](#) to display the details of the error in Error Recovery Guide. For details about Error Recovery Guide, refer to [Manuals \(page 6\)](#).

11001: PaperStream Central Admin started up.

Action

No action required.

See also

[\[Event Log\] \(page 169\)](#)

11002: PaperStream Central Admin shut down.

Action

No action required.

See also

[\[Event Log\] \(page 169\)](#)

11901: Service started successfully.

Action

No action required.

See also

[\[Event Log\] \(page 169\)](#)

11902: Service stopped successfully.

Action

No action required.

See also

[\[Event Log\] \(page 169\)](#)

12001: Default setting is being used in place of invalid value.

Parameter: XXXX Invalid value: XXXX Default value: XXXX

Action

No action required.

See also

[\[Event Log\] \(page 169\)](#)

12002: Tried to exceed the scanner registration limit.

Action

Delete any unnecessary scanner information.

See also

[\[Event Log\] \(page 169\)](#)

12902: Schedule notification failed. Retrying.(XXXX)

Action

No action required.

See also

[\[Event Log\] \(page 169\)](#)

13001: Error has occurred.

Type: *<Error Type>* Details: *<Error Details>*

Action

Check the error details and other event logs.

See also

[\[Event Log\] \(page 169\)](#)

13002: Inhospitable execution environment - process cannot continue.

Details: *<Error Details>*

Action

Check the error details and other event logs.

See also

[\[Event Log\] \(page 169\)](#)

13003: Database could not be accessed.

Details: *<Error Details>*

Action

Check the error details and other event logs.

See also

[\[Event Log\] \(page 169\)](#)

13004: Schedule could not be set.

Details: *<Error Details>*

Action

Restart the service "PaperStream Central Admin".

See also

[\[Event Log\] \(page 169\)](#)

13005: The communication settings in the management window could not be changed.

Details: <Error Details>

Action

Restart the service "PaperStream Central Admin".

See also

[\[Event Log\] \(page 169\)](#)

13901: Scheduler could not be started.(XXXX)

Action

Restart the service "PaperStream Central Admin".

See also

[\[Event Log\] \(page 169\)](#)

13902: Schedule notification failed. (XXXX)

Action

Check the operational status of the website "AmService" and the application pool "AmService" using Internet Information Services (IIS) Manager.

See also

[\[Event Log\] \(page 169\)](#)

13903: Schedule **XXXX** expired and was deleted. **[XXXX]** events

Action

A Schedule has been deleted because 7 days or more have passed from the date set to distribute the schedule. Check the status of applying the settings to the scanners. If needed, issue a notification to the scanners with the [Waiting To Be Applied] status.

See also

[\[Event Log\] \(page 169\)](#)

13904: Error has occurred.(XXXX)

Action

Restart the service "PaperStream Central Admin".

See also

[\[Event Log\] \(page 169\)](#)

Message Code List

This section describes actions you should take to deal with major message codes.

0F080002: The scanner maintenance part needs to be cleaned. Maintenance Part:XXXXX (page 216)

1F060001: Temporary scanner error was detected. [*Error Details*] (page 217)

1F800001: Error was detected during update. [*Info*] (page 217)

6A012009: Synchronization with followers failed. Identification name: XXXXX (page 217)

6A012108: You have attempted to register more than the maximum number of the scanners that can be managed. The maximum number of scanners that can be managed: xxxxxx (page 217)

6A022103: Paper jam/multifeed occurrence within one day has exceeded the specified number of times. Specified: xxxxxx Occurred: xxxxxx (page 217)

6A022104: Paper jam/multifeed occurrence within the throughput has exceeded the specified number of times. Throughput: xxxxxx Specified: xxxxxx Occurred: xxxxxx (page 218)

6A022105: The scanner needs cleaning. Part name: xxxxxx (page 218)

6A022106: Throughput has exceeded the cleaning cycle. (page 218)

6F070001: Scanner consumable needs to be replaced now. Consumable part: XXXXX (page 218)

6F070002: Scanner consumable needs to be replaced soon. Consumable part: XXXXX (page 218)

6F070003: Scanner consumable has passed its rated lifetime and needs to be replaced. Consumable part: XXXXX (page 218)

6F800001: Warning was detected during update. [*Info*] (page 219)

6F800002: Warning was detected during update. [001: Failed to download updates.] (page 219)

6F800002: Warning was detected during update. [002: Error occurred during update extraction.] (page 219)

6F800002: Warning was detected during update. [005: Update install was suspended because the scanner is being used.] (page 219)

6F800002: Warning was detected during update. [007: Update install was skipped because installation conditions have not been satisfied.] (page 220)

6F800002: Warning was detected during update. [012: Update install was skipped because the computer was logged off.] (page 220)

6F800002: Warning was detected during update. [014: Failed to download updates.] (page 220)

6F800003: Error was detected during update. (page 220)

6F800004: Warning was detected during update. [*Info*] (page 220)

7A013008: Error notification e-mail could not be sent. Details: xxxxxx (page 220)

7A013019: The Gate Console function cannot be used because the PaperStream Central Admin versions do not match. Leader: PaperStream Central Admin x.x.x Follower: PaperStream Central Admin x.x.x Follower Identification Name: xxxx (page 221)

7F060001: Scanner error was detected. [*Error Details*] (page 221)

8F060001: Scanner parts replacement notification was detected. [*Error Details*] (page 221)

- **0F080002: The scanner maintenance part needs to be cleaned. Maintenance Part:XXXXX**

Action

Clean the scanner maintenance part.

The name of the maintenance part to be cleaned is shown in XXXXX.

For details about cleaning, refer to the Operator's Guide of the scanner and deal with the problem accordingly.

If the error remains, contact the distributor/dealer where you purchased this product.

- **1F060001: Temporary scanner error was detected. [Error Details]**

Action

Try one of the following:

- Refer to [Error Details] of the message to proceed.
- In the [Event Details] window that appears when you select an event in the [Event Log] window and click the [Details] button, click the [Error Details] button and refer to Error Recovery Guide for the scanner.

If the error remains, contact the distributor/dealer where you purchased this product.

- **1F800001: Error was detected during update. [Info]**

Action

Confirm that the target scanner is connected to the computer properly and recognized by the computer.

Select [Install Updates] in the right-click menu of PaperStream Central Admin Agent, and retry the update.

If the error remains, contact the distributor/dealer where you purchased this product.

One of the following messages is shown in [Info].

- 003: Update contents are not valid.
- 009: Failed to install.

- **6A012009: Synchronization with followers failed. Identification name: XXXXX**

Action

Check the network status and connection settings of the leader and follower.

- **6A012108: You have attempted to register more than the maximum number of the scanners that can be managed. The maximum number of scanners that can be managed: xxxxxx**

Action

Delete any unnecessary scanner information.

- **6A022103: Paper jam/multifeed occurrence within one day has exceeded the specified number of times. Specified: xxxxxx Occurred: xxxxxx**

Action

Clean the scanner.

For details about how to clean the scanner, refer to Error Recovery Guide for the scanner by clicking the [Error Details] button in the [Event Details] window that appears when you select an event in the [Event Log] window and click the [Details] button.

- **6A022104: Paper jam/multifeed occurrence within the throughput has exceeded the specified number of times. Throughput: xxxxxx Specified: xxxxxx Occurred: xxxxxx**

Action

Clean the scanner.

For details about how to clean the scanner, refer to Error Recovery Guide for the scanner by clicking the [Error Details] button in the [Event Details] window that appears when you select an event in the [Event Log] window and click the [Details] button.

- **6A022105: The scanner needs cleaning. Part name: xxxxxx**

Action

Clean the scanner.

For details about how to clean the scanner, refer to Error Recovery Guide for the scanner by clicking the [Error Details] button in the [Event Details] window that appears when you select an event in the [Event Log] window and click the [Details] button.

- **6A022106: Throughput has exceeded the cleaning cycle.**

Action

Clean the scanner.

For details about how to clean the scanner, refer to Error Recovery Guide for the scanner by clicking the [Error Details] button in the [Event Details] window that appears when you select an event in the [Event Log] window and click the [Details] button.

- **6F070001: Scanner consumable needs to be replaced now. Consumable part: XXXXX**

Action

Replace the consumable.

The name of the consumable to be replaced is shown in XXXXX.

- **6F070002: Scanner consumable needs to be replaced soon. Consumable part: XXXXX**

Action

Replace the consumable.

The name of the consumable to be replaced is shown in XXXXX.

- **6F070003: Scanner consumable has passed its rated lifetime and needs to be replaced. Consumable part: XXXXX**

Action

Replace the consumable.

The name of the consumable to be replaced is shown in XXXXX.

- **6F800001: Warning was detected during update. [Info]**

Action

Select [Install Updates] in the right-click menu of PaperStream Central Admin Agent, and retry the update.

If the error remains, contact the distributor/dealer where you purchased this product.

One of the following messages is shown in [Info].

- 003: Update contents are not valid.
- 008: Failed to uninstall.
- 009: Failed to install.
- 013: Insufficient free space.

If "009: Failed to install." is shown while the settings are being updated, an error code is also shown. Take actions by referring to the following.

- Error Codes That Are Shown When the Software Operation Panel Settings Are Applied
- Error Codes That Are Shown When the PaperStream Capture Settings Are Applied
- Error Codes That Are Shown When the PaperStream IP (TWAIN) Settings Are Applied
- Error Codes That Are Shown When the PaperStream IP (ISIS) Settings Are Applied

- **6F800002: Warning was detected during update. [001: Failed to download updates.]**

Action

Select [Install Updates] in the right-click menu of PaperStream Central Admin Agent, and retry the update.

If the error remains, contact the distributor/dealer where you purchased this product.

- **6F800002: Warning was detected during update. [002: Error occurred during update extraction.]**

Action

Select [Install Updates] in the right-click menu of PaperStream Central Admin Agent, and retry the update.

If the error remains, contact the distributor/dealer where you purchased this product.

- **6F800002: Warning was detected during update. [005: Update install was suspended because the scanner is being used.]**

Action

After the scan process finishes, select [Install Updates] in the right-click menu of PaperStream Central Admin Agent, and retry the update.

- **6F800002: Warning was detected during update. [007: Update install was skipped because installation conditions have not been satisfied.]**

Action

No action required as update does not need to be installed.

- **6F800002: Warning was detected during update. [012: Update install was skipped because the computer was logged off.]**

Action

The update process will be started automatically when the computer is logged on.

- **6F800002: Warning was detected during update. [014: Failed to download updates.]**

Action

Try one of the following:

- Select [Install Updates] in the right-click menu of PaperStream Central Admin Agent, and retry the update.
- Contact the network administrator to check whether there is a problem with the network. If the error remains, contact the distributor/dealer where you purchased this product.

- **6F800003: Error was detected during update.**

Action

Select [Install Updates] in the right-click menu of PaperStream Central Admin Agent, and retry the update.

If the error remains, contact the distributor/dealer where you purchased this product.

- **6F800004: Warning was detected during update. [Info]**

Action

One of the following messages is shown in [Info].

- 003: Update contents are not valid.
- 009: Failed to install.

Select [Install Updates] in the right-click menu of PaperStream Central Admin Agent, and retry the update.

If the error remains, contact the distributor/dealer where you purchased this product.

- **7A013008: Error notification e-mail could not be sent. Details: xxxxxx**

Action

Check the following:

- Whether the SMTP server set for [Error Notification Settings] in the [Preferences] window of PaperStream Central Admin is working properly

- Whether the network path to the SMTP server is working properly

- **7A013019: The Gate Console function cannot be used because the PaperStream Central Admin versions do not match. Leader: PaperStream Central Admin x.x.x Follower: PaperStream Central Admin x.x.x Follower Identification Name: xxxx**

If this message, which may vary depending on your version, appears, perform the following:

Action

Update the follower PaperStream Central Admin or PaperStream Central Admin Server Option to the same version as the leader PaperStream Central Admin before using the Gate Console function.

- **7F060001: Scanner error was detected. [Error Details]**

Action

Try one of the following:

- Refer to [Error Details] of the message to proceed.
- In the [Event Details] window that appears when you select an event in the [Event Log] window and click the [Details] button, click the [Error Details] button and refer to Error Recovery Guide for the scanner.

If the error remains, contact the distributor/dealer where you purchased this product.

- **8F060001: Scanner parts replacement notification was detected. [Error Details]**

Action

Try one of the following:

- Refer to [Error Details] of the message to proceed.
- In the [Event Details] window that appears when you select an event in the [Event Log] window and click the [Details] button, click the [Error Details] button and refer to Error Recovery Guide for the scanner.

If the error remains, contact the distributor/dealer where you purchased this product.

Backup/Restore Command Messages

Backup/restore command messages will be shown on the command prompt.

- Information

0A040001: Starting backup. (page 222)

0A040002: Finishing backup. (page 222)

0A040003: Starting restore. (page 222)

0A040004: Finishing restore. (page 222)

- Error

PaperStream Central Admin is not installed. (page 223)

7A040011: Backup folder has not been specified. (page 223)

7A040012: Backup folder does not exist. (page 223)

7A040013: Backup folder contents are invalid. (page 223)

7A040014: Backup file already exists. (page 223)

7A040015: Backup folder specification is invalid. (page 223)

7A040016: Server is busy. Try again later. (page 224)

7A040017: Backup failed. (page 224)

7A040018: Restore failed. (page 224)

7A040019: Backup or restore is already running. (page 225)

7A040020: Port number (XXXX) is already in use. (page 225)

7A040021: Backup folder is not empty. (page 225)

7A040023: Restoration from this version of backup file is not possible. (page 225)

- **0A040001: Starting backup.**

Action

No action required.

- **0A040002: Finishing backup.**

Action

No action required.

- **0A040003: Starting restore.**

Action

No action required.

- **0A040004: Finishing restore.**

Action

No action required.

- **PaperStream Central Admin is not installed.**

Action

PaperStream Central Admin is not installed. Try again using a computer on which PaperStream Central Admin has been correctly installed.

- **7A040011: Backup folder has not been specified.**

Action

The backup file name is not specified in the parameters of the backup command and restore command. Specify the backup file, and try again.

- **7A040012: Backup folder does not exist.**

Action

Specify the backup folder that was specified with the backup command, and try again. Or, check the read privilege for the specified backup folder.

- **7A040013: Backup folder contents are invalid.**

Action

The backup folder specified in the parameter for the restore command is not the backup folder for PaperStream Central Admin, or the backup folder configuration is incorrect. Specify the PaperStream Central Admin backup folder, and try again.

- **7A040014: Backup file already exists.**

Action

A file or folder exists in the backup folder. Specify an empty folder. If a folder that does not exist is specified, it will be created.

- **7A040015: Backup folder specification is invalid.**

Action

This error message is output in the following cases. After dealing with the error, run the command again.

- The backup folder specified in the parameter for the restore command does not have write access.
- The specified backup folder name already exists as a file.
- The backup file full path is longer than 128 bytes.

- **7A040016: Server is busy. Try again later.**

Action

This message appears if the backup/restore command is executed during an update call on PaperStream Central Admin. Wait until the update call is finished, and try again.

- **7A040017: Backup failed.**

Action

- If this message appears with auxiliary code [7A041012]
Free disk space may be insufficient. Ensure that there is enough free disk space available, and try again.
- If this message appears with auxiliary code [7A041015]
It is possible that the database file used in PaperStream Central Admin is being used with applications other than PaperStream Central Admin. Stop using the database file, and try again.
- If this message appears without auxiliary code
The contents of the problem are shown in the following format.
...
Problem details
...
If .NET Framework Language Pack is not installed, the problem details will appear in English.
If this message appears frequently with an auxiliary code other than those mentioned above, contact the distributor/dealer where you purchased this product.

- **7A040018: Restore failed.**

Action

- If this message appears with auxiliary code [7A041013]
Free disk space may be insufficient. Ensure that there is enough free disk space available, and try again.
- If this message appears with auxiliary code [7A041018]
A file in the restoration folder may be in use. Check that the file is not in use, and try again.
- If this message appears with auxiliary code [7A041015]
It is possible that the database file used in PaperStream Central Admin is being used with applications other than PaperStream Central Admin. Stop using the database file, and try again.
- If this message appears without auxiliary code
The contents of the problem are shown in the following format.
...
Problem details
...
If .NET Framework Language Pack is not installed, the problem details will appear in English.
If this message appears frequently with an auxiliary code other than those mentioned above, contact the distributor/dealer where you purchased this product.

- **7A040019: Backup or restore is already running.**

Action

Try again, after finishing the backup or restoration.

- **7A040020: Port number (XXXX) is already in use.**

Action

Port number (XXXX) is already in use by another application.

Change the settings of the application using XXXX, and try restoring again.

- **7A040021: Backup folder is not empty.**

Action

A file or folder exists in the backup folder. Specify an empty folder. If a folder that does not exist is specified, it will be created.

- **7A040023: Restoration from this version of backup file is not possible.**

Action

The backup file saved by executing the AmBackup.exe command in PaperStream Central Admin of the previous version cannot be restored with the AmRestore.exe command in PaperStream Central Admin of new version.

Refer to the Operator's Guide of your scanner model and try backing up again.

Application Error Codes

- **Error Codes That Are Shown When the PaperStream Capture Settings Are Applied (PaperStream Central Admin Agent)**

Refer to the PaperStream Capture Help and take measures accordingly.

- **Error Codes That Are Shown When the PaperStream IP (ISIS) Settings Are Applied (PaperStream Central Admin Agent)**

Refer to the PaperStream IP (ISIS) Help and take measures accordingly.

- **Error Codes That Are Shown When the PaperStream IP (TWAIN) Settings Are Applied (PaperStream Central Admin Agent)**

Refer to the PaperStream IP (TWAIN) Help and take measures accordingly.

- **Error Codes That Are Shown When the Software Operation Panel Settings Are Applied (PaperStream Central Admin Agent)**

Code	Description	Action
-2	Software Operation Panel settings cannot be applied because the Software Operation Panel window is open.	Close the Software Operation Panel window and the try again.
-7	Software Operation Panel settings cannot be applied due to the following reason: <ul style="list-style-type: none"> ● Scanner is not connected. ● Scanner is not turned on. ● Scanner is in use. 	If the scanner is not connected, connect it, turn on the power, and then try again. If the scanner is in use, wait until it is freed, and then try again.
-9	Export file version that cannot be imported in the target Software Operation Panel was specified.	Specify an export file that is compatible with the target Software Operation Panel.
Other than the above	An unexpected error occurred.	Contact the distributor/dealer where you purchased this product.

Message Code Notifications via SNMP Traps

- 0F090000:This is a test message from PaperStream Central Admin Agent. (page 227)
- 0F070004:Consumable part counter was cleared. Consumable part:XXXXXX Counter before clearing value:XXXXXX (page 227)
- 0F080001:Scanner was changed. (page 227)
- 0F080002:The scanner maintenance part needs to be cleaned. Maintenance Part:XXXXXX (page 227)
- 1F060001:Temporary scanner error was detected. [Error Details] (page 228)
- 6F070001:Scanner consumable needs to be replaced now. Consumable part:XXXXXX (page 228)
- 6F070002:Scanner consumable needs to be replaced soon. Consumable part:XXXXXX (page 228)
- 6F070003:Scanner consumable has passed its rated lifetime and needs to be replaced. Consumable part:XXXXXX (page 228)
- 7F060001:Scanner error was detected. [Error Details] (page 229)
- 8F060001:Scanner parts replacement notification was detected. [Error Details] (page 229)

- **0F090000:This is a test message from PaperStream Central Admin Agent.**

Message Content

This is a test sent message.

Action

No action required.

- **0F070004:Consumable part counter was cleared. Consumable part:XXXXXX Counter before clearing value:XXXXXX**

Message Content

The counter for a consumable part is cleared.

Action

No action required.

- **0F080001:Scanner was changed.**

Message Content

The scanner was changed.

Action

No action required.

- **0F080002:The scanner maintenance part needs to be cleaned. Maintenance Part:XXXXXX**

Message Content

It is time to clean the maintenance part of the scanner.

Action

Clean the scanner maintenance part.

The name of the maintenance part to be cleaned is shown in XXXXX.

If the error remains, contact the distributor/dealer where you purchased this product.

- **1F060001:Temporary scanner error was detected. [Error Details]**

Message Content

A temporary scanner error is detected.

Action

Try one of the following:

- Refer to [Error Details] of the message to proceed.
- In the [Event Details] window that appears when you select an event in the [Event Log] window and click the [Details] button, click the [Error Details] button and refer to Error Recovery Guide for the scanner.

If the error remains, contact the distributor/dealer where you purchased this product.

- **6F070001:Scanner consumable needs to be replaced now. Consumable part:XXXXX**

Message Content

It is time to replace a consumable part of the scanner.

Action

Replace the consumable.

The name of the consumable to be replaced is shown in XXXXX.

- **6F070002:Scanner consumable needs to be replaced soon. Consumable part:XXXXX**

Message Content

A consumable part of the scanner needs to be replaced soon.

Action

Replace the consumable.

The name of the consumable to be replaced is shown in XXXXX.

- **6F070003:Scanner consumable has passed its rated lifetime and needs to be replaced. Consumable part:XXXXX**

Message Content

A consumable part of the scanner has passed its expected lifetime.

Action

Replace the consumable.

The name of the consumable to be replaced is shown in XXXXX.

- **7F060001:Scanner error was detected. [Error Details]**

Message Content

A scanner error is detected.

Action

Try one of the following:

- Refer to [Error Details] of the message to proceed.
- In the [Event Details] window that appears when you select an event in the [Event Log] window and click the [Details] button, click the [Error Details] button and refer to Error Recovery Guide for the scanner.

If the error remains, contact the distributor/dealer where you purchased this product.

- **8F060001:Scanner parts replacement notification was detected. [Error Details]**

Message Content

An error related to the replacement of a scanner part is detected.

Action

Try one of the following:

- Refer to [Error Details] of the message to proceed.
- In the [Event Details] window that appears when you select an event in the [Event Log] window and click the [Details] button, click the [Error Details] button and refer to Error Recovery Guide for the scanner.

If the error remains, contact the distributor/dealer where you purchased this product.

Error Messages Sent to the SNMP Manager

- **GET REQUEST**

- Such Object available on this agent at this OID**

- The message sent to the SNMP manager when the OID specified with GET REQUEST does not exist.

- Timeout: No Response from <the IP address of the computer on which PaperStream Central Admin is installed>**

- The message sent to the SNMP manager when PaperStream Central Admin cannot connect to PaperStream Central Admin Database when GET REQUEST is executed.

- **GET NEXT REQUEST**

- No Such Object available on this agent at this OID**

- The message sent to the SNMP manager when the OID specified with GET NEXT REQUEST does not exist.

- No more variables left in this MIB View (It is past the end of the MIB tree)**

- The message sent to the SNMP manager when the OID specified with GET NEXT REQUEST is the last in the OID order.

- Timeout: No Response from <the IP address of the computer on which PaperStream Central Admin is installed>**

- The message sent to the SNMP manager when PaperStream Central Admin cannot connect to PaperStream Central Admin Database when GET NEXT REQUEST is executed.

- **SET REQUEST**

- No Such Object available on this agent at this OID**

- The message sent to the SNMP manager when the OID specified with SET REQUEST does not exist.

- No access to set this object**

- The message sent to the SNMP manager when the OID specified with SET REQUEST is Read Only.

- (Bad variable type)Type of attribute is INTEGER**

- The message sent to the SNMP manager when the data type specified with SET REQUEST is incorrect.

- (Bad Value) The value given has the wrong type or length**

- The message sent to the SNMP manager when the value specified with SET REQUEST is incorrect.

MIB node set failure

The message sent to the SNMP manager when PaperStream Central Admin cannot connect to PaperStream Central Admin Database when SET REQUEST is executed.

● **GET BULK REQUEST**

No Such Object available on this agent at this OID

The message sent to the SNMP manager when the OID specified with GET BULK REQUEST does not exist.

No more variables left in this MIB View (It is past the end of the MIB tree)

The message sent to the SNMP manager when the OID specified with GET BULK REQUEST is the last in the OID order.

Timeout: No Response from <the IP address of the computer on which PaperStream Central Admin is installed>

The message sent to the SNMP manager when PaperStream Central Admin cannot connect to PaperStream Central Admin Database when GET BULK REQUEST is executed.

● **INFORM REQUEST**

When an error occurs with INFORM REQUEST, the following message is sent to the event logs of PaperStream Central Admin.

Error Code	Message	Action
7A023111	INFORM REQUEST could not be sent to the SNMP manager. Details: xxx	<ul style="list-style-type: none"> ● Make sure that the SNMP manager is running. ● Make sure the network environment is correctly set up.

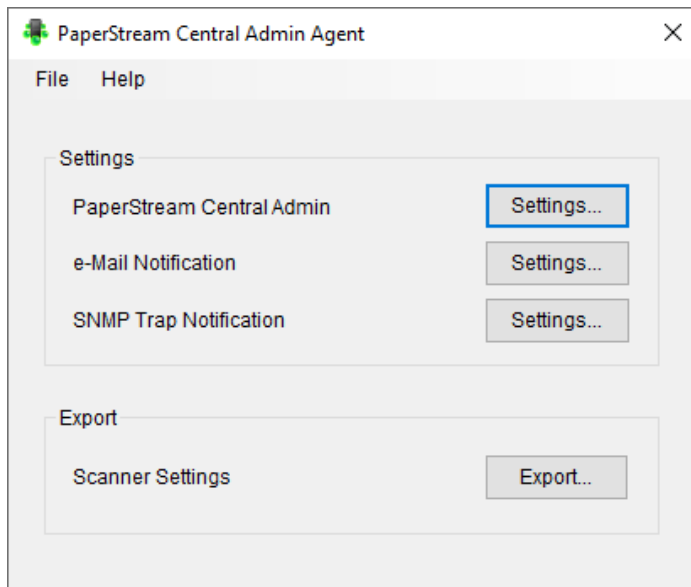
Operations on PaperStream Central Admin Agent

This section describes the operations on PaperStream Central Admin Agent.

Starting up PaperStream Central Admin Agent

- 1 Select the [Start] menu → [All Programs] → [PaperStream Central Admin Agent] → [PaperStream Central Admin Agent Setup].

The [PaperStream Central Admin Agent] window appears.



Configuring the Email Settings

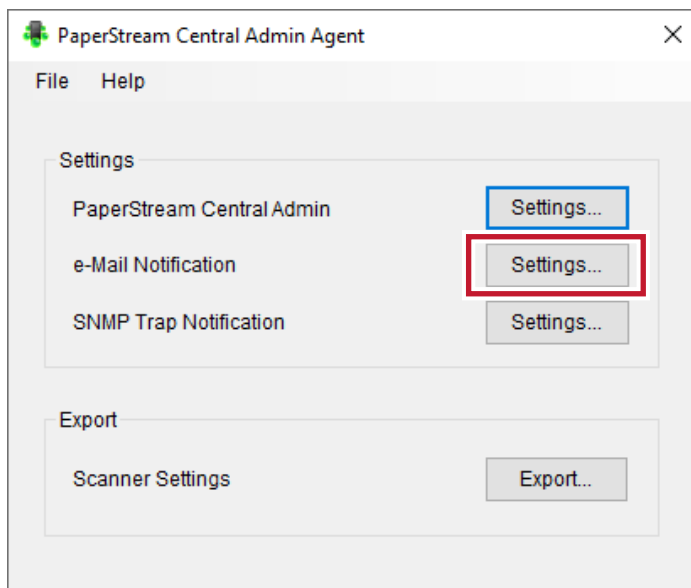
Configure the email settings of PaperStream Central Admin Agent.

This allows the administrator to receive email alerts for consumable parts, scanner errors, and scanner information.

1 Start up PaperStream Central Admin Agent.

→ [Starting up PaperStream Central Admin Agent \(page 232\)](#)

2 Click the [Settings] button for [e-Mail Notification].



3 Select the [Send e-mails] check box and configure settings.

Under [SMTP Server], set the values for the SMTP server that you have previously checked.

For information about the settings, refer to the PaperStream Central Admin Agent Help.

The screenshot shows the 'e-Mail Settings' dialog box. At the top, the 'Send e-mails' checkbox is checked and highlighted with a red rectangular box. Below this, the 'SMTP Server' section contains an 'Address' text box, a 'Port Number' text box with the value '25' and '(Initial setting: 25)' next to it, and an unchecked checkbox with the text 'Authentication information is required by the server'. Underneath is the 'Server Authentication Information' section with 'User Name' and 'Password' text boxes. The 'e-Mail Address' section has a 'From' text box containing 'PaperStream@central.admin.agent' and a 'To' text box with 'Add', 'Edit', and 'Delete' buttons to its right. The 'Encoding' section has two radio buttons: 'Auto' (selected) and 'Unicode(UTF-8)'. At the bottom of the dialog are buttons for 'Send a test e-mail', 'OK' (highlighted with a blue box), 'Cancel', and 'Help'.

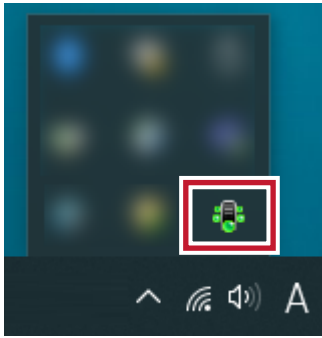
- 4 Click the [Send a test e-mail] button to check whether an email is successfully sent. For details about the test email format, refer to [Checking Emails \(page 55\)](#).

ATTENTION

If the computer name includes characters other than alphanumeric (a-z, A-Z, 0-9) and hyphen (-), an email cannot be sent.

- 5 Click the [OK] button to close the [PaperStream Central Admin Agent] window.

The PaperStream Central Admin Agent icon appears in the notification area on the task bar.



Configuring the SNMP Trap Notification

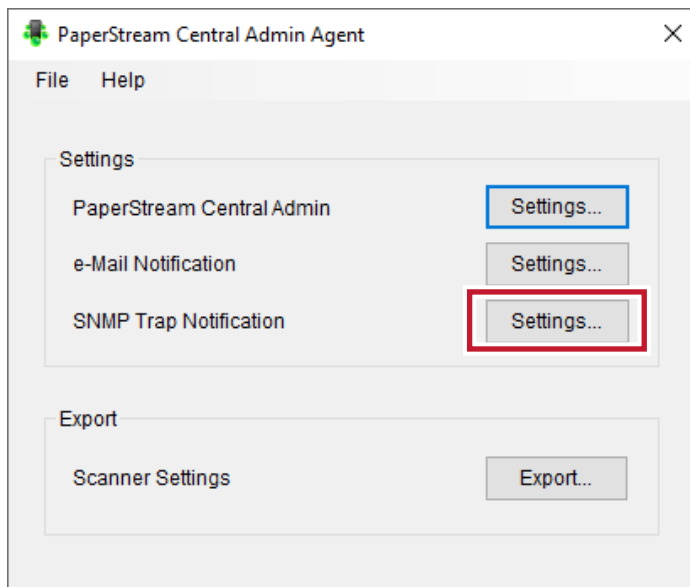
Configure the SNMP trap notification settings for PaperStream Central Admin Agent.

This allows the SNMP manager to receive SNMP trap notifications concerning consumable part replacement and scanner errors.

1 Start up PaperStream Central Admin Agent.

→ [Starting up PaperStream Central Admin Agent \(page 232\)](#)

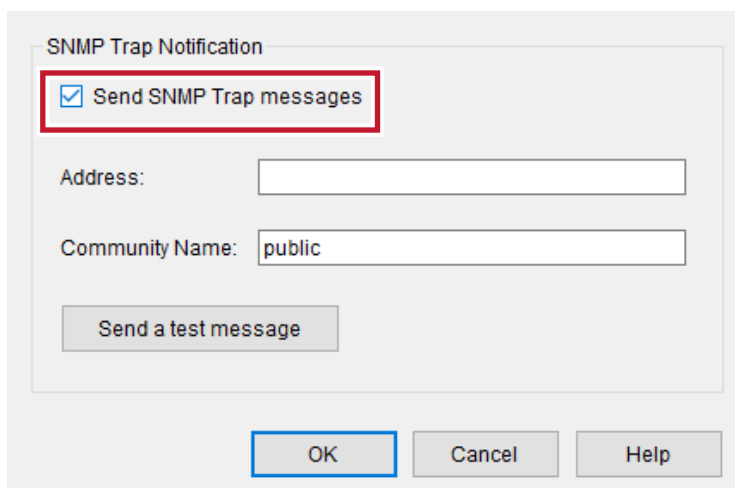
2 Click the [Settings] button for [SNMP Trap Notification].



3 Select the [Send SNMP Trap messages] check box and configure settings.

Set the value for the SNMP manager that you have previously checked.

For information about the settings, refer to the PaperStream Central Admin Agent Help.

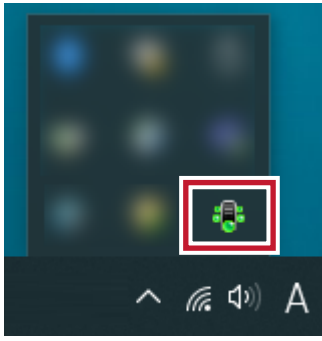


4 Click the [Send a test message] button to check whether SNMP traps are successfully sent.

For details about the SNMP trap format, refer to [Checking SNMP Traps \(page 59\)](#).

5 Click the [OK] button to close the [PaperStream Central Admin Agent] window.

The PaperStream Central Admin Agent icon appears in the notification area on the task bar.



Creating an Update Module of Scanner Settings

- **Creating an update module of scanner settings (scanners operated with direct connection)**

Scanner settings that have been exported beforehand can only be used as an update module for scanners of the same model. If you are managing different models, create update modules with the scanner settings for each model.

For details on how to export scanner settings from a scanner, refer to the Operator's Guide for your scanner model.

TIP

For some scanners, you can export the scanner settings using fi Series Network Settings (on a browser). For more details, refer to the Operator's Guide of your scanner model.

- **Creating an update module of scanner settings (scanners operated with Agent)**

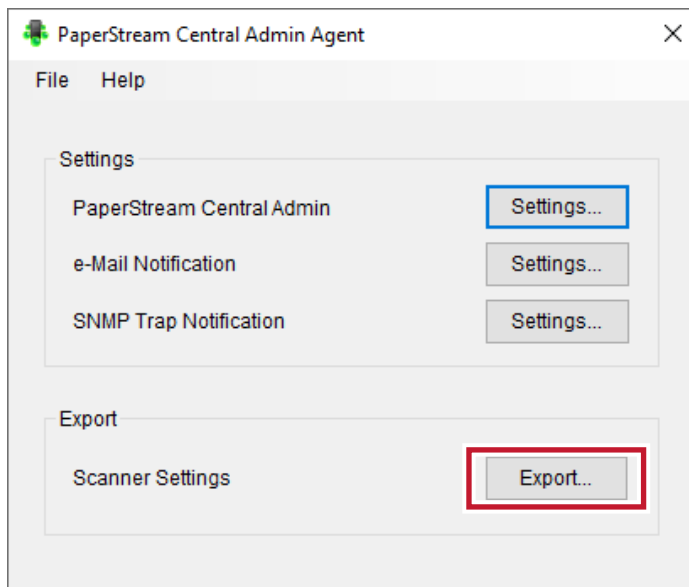
You can use exported scanner settings as an update module that can be uploaded to PaperStream Central Admin.

Export the scanner settings from a computer where PaperStream Central Admin Agent is installed.

- 1 Start up PaperStream Central Admin Agent.**

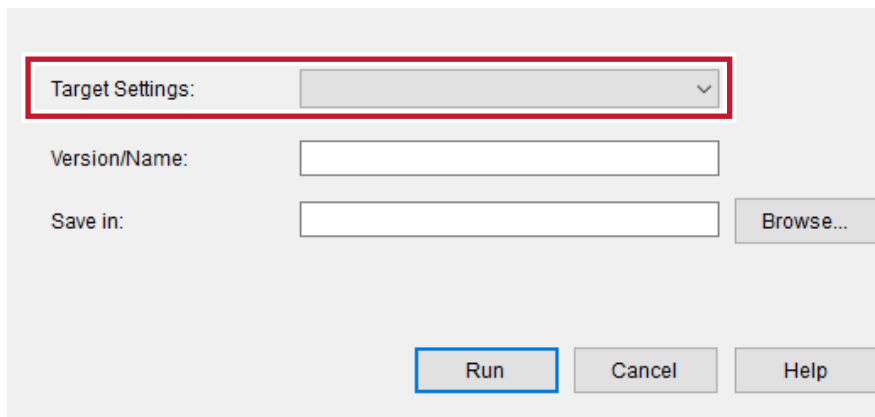
➔ [Starting up PaperStream Central Admin Agent \(page 232\)](#)

- 2 Click the [Export] button for [Scanner Settings].**



- 3 For [Target Settings], select the settings to export, and configure settings.**

For information about the settings, refer to the PaperStream Central Admin Agent Help.



Target Settings:

Version/Name:

Save in:

4 Click the [Run] button.

A message window appears when export of the scanner settings is completed.

5 Click the [OK] button.

The [Export Scanner Settings] window appears again.

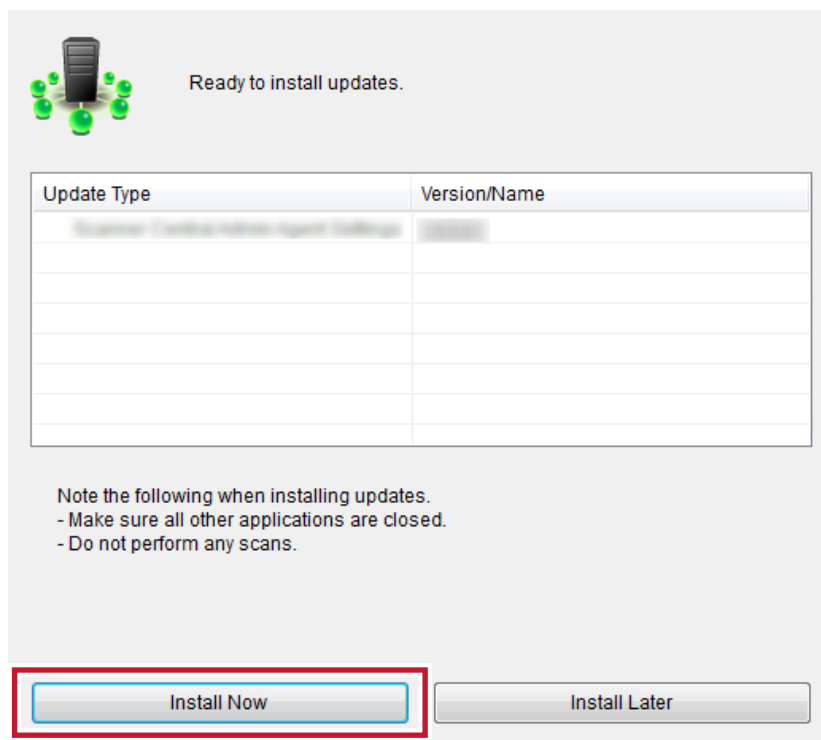
Installing Update Modules Manually

After uploaded to PaperStream Central Admin, update modules are downloaded to the scanner when one of the following occurs:

- The computer connected to the scanner is logged on.
- On the computer connected to the scanner, [Install Updates] is selected from the right-click menu of the PaperStream Central Admin Agent icon in the notification area.
- The [Regularly check for updates] check box has been selected in the PaperStream Central Admin Agent window, and the time specified in [Check Interval] has elapsed.
- The [Install updates while the computer is logged off] check box has been selected in the PaperStream Central Admin Agent window, and the computer connected to the scanner is logged off.

To install update modules manually, perform the following procedure:

- 1 After update modules are downloaded, click the PaperStream Central Admin Agent icon in the notification area.**
- 2 Click the [Install Now] button.**



The update process will be started.

The following icons are displayed during the update:



Updates are being installed. This icon flashes during the process.



Waiting for updates to be installed.



Updates were installed successfully.



Updates failed to be installed.



Installing updates is not necessary. Use the scanner without installing updates.

This icon is displayed in the following cases:

- The same version or the latest version is already installed
- The updates are not applicable for your scanner model

ATTENTION

- If no scanner driver is installed, the update modules of firmware or Software Operation Panel settings are not installed.
- If a single update module is to be installed, the process cannot be suspended during the installation.
- If multiple update modules are to be installed, clicking the [Stop] button suspends the process after the current update module installation has completed.
The update modules waiting to be installed will not be installed.
- After the scanner driver update has completed, make sure to restart the computer. If the computer is not restarted, the driver may not recognize the scanner.
- To install firmware update modules, if Software Operation Panel is started, an error that the scanner is not connected may appear.
When the Software Operation Panel icon appears in the notification area, exit the Software Operation Panel, and then install the firmware update modules.
- If updates are set to be installed while the computer is logged off, update modules for firmware and Software Operation Panel configuration will not be installed.
- Do not shut down or log off the computer while installing an update module. The update module may not be installed correctly.

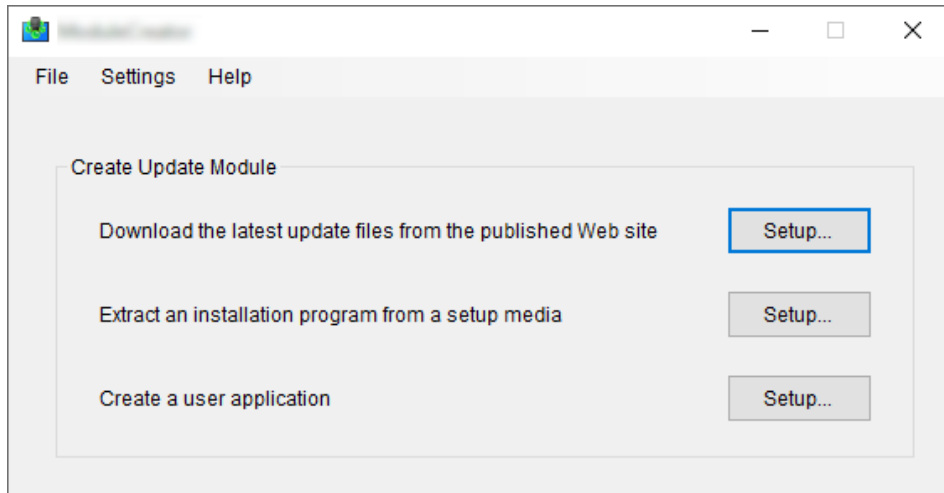
Operations on Module Creator

This section describes the operations on Module Creator.

Starting up Module Creator

- 1 Select the [Start] menu → [All Programs] → [PaperStream Central Admin] → [Module Creator].

The [Module Creator] window appears.



Downloading an Update Module from the Website

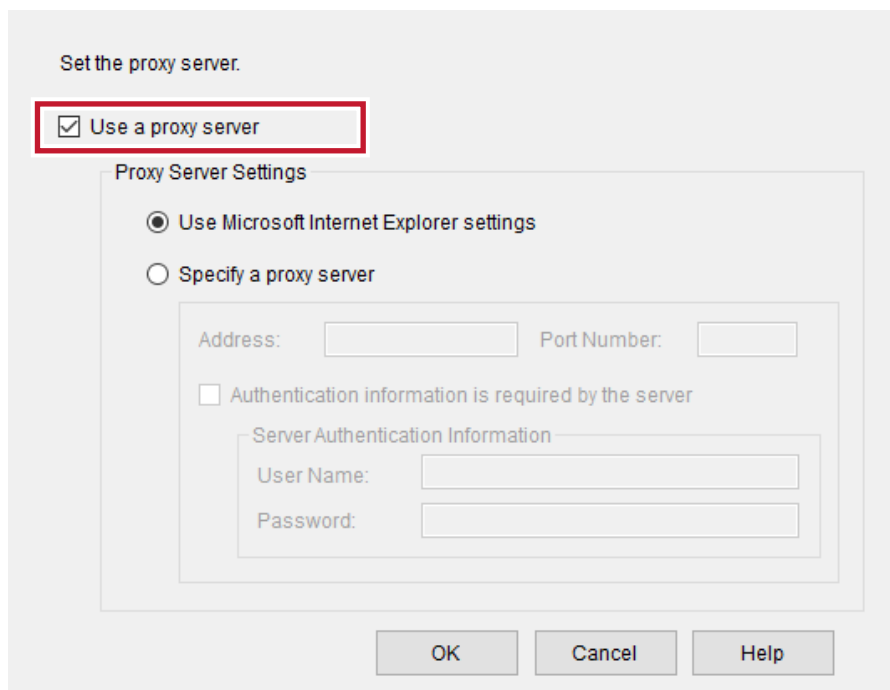
1 Start up Module Creator.

→ [Starting up Module Creator \(page 242\)](#)

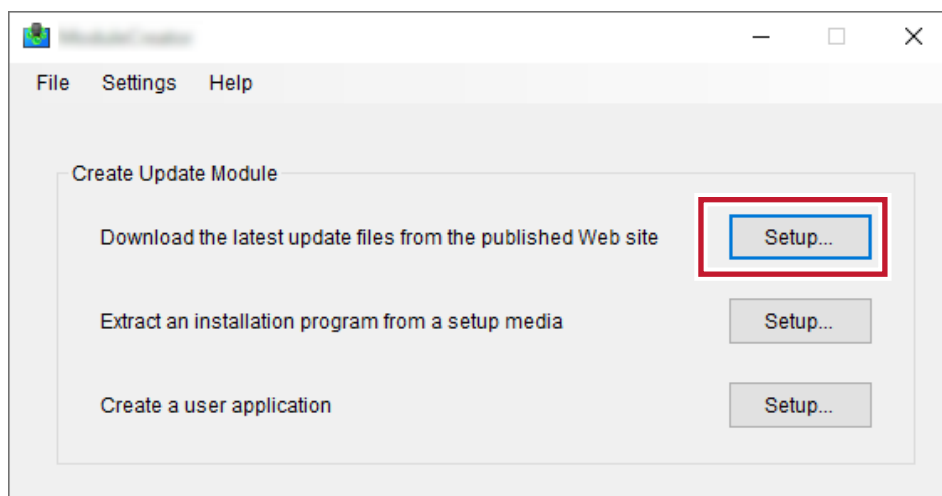
2 For a network that does not use a proxy server, proceed to Step 4. For a network that uses a proxy server, select the [Settings] menu → [Proxy Server Setup].

3 On the [Proxy Server Setup] window, select the [Use a proxy server] check box and configure settings.

For information about the settings, refer to the Module Creator Help.



4 On the [Module Creator] window, click the [Setup] button for [Download the latest update files from the published Web site].



- 5 To filter update files shown in the list on the [Download the latest update files from the published Web site] window, specify filter conditions and click the [Filter List] button.**

Download the latest update files from the published Web site

Filter Conditions

Model Type (All)

Latest Update List

Type	Model	Version	Size (MB)	Update Information
Scanner Firmware		1.00.0001.00	10	View <input type="button" value="Create"/>
Scanner Firmware		1.00.0002	10	View <input type="button" value="Create"/>
Error Recovery Guide		1.00.0003	100	View <input type="button" value="Create"/>
Error Recovery Guide		1.00.0004	100	View <input type="button" value="Create"/>
Error Recovery Guide		1.00.0005	100	View <input type="button" value="Create"/>
Error Recovery Guide		1.00.0006	100	View <input type="button" value="Create"/>
Error Recovery Guide		1.00.0007	100	View <input type="button" value="Create"/>
Error Recovery Guide		1.00.0008	100	View <input type="button" value="Create"/>
Error Recovery Guide		1.00.0009	100	View <input type="button" value="Create"/>
Error Recovery Guide		1.00.0010	100	View <input type="button" value="Create"/>
Scanner Firmware		1.00.0011	10	View <input type="button" value="Create"/>

The update files satisfying the filter conditions appear.

- 6 Click the [Create] button for the desired update file.**

When the [License Agreement] window appears, proceed to Step 7.

When the [Save As] dialog box appears, proceed to Step 9.

- 7 Select the [I accept the terms in the license agreement.] check box.**

- 8 Click the [Next] button.**

The [Save As] dialog box appears.

- 9 Specify the location where the file is to be saved.**

- 10 Click the [Save] button.**

A message window appears when the creation of the update module is completed.

- 11 Click the [OK] button.**

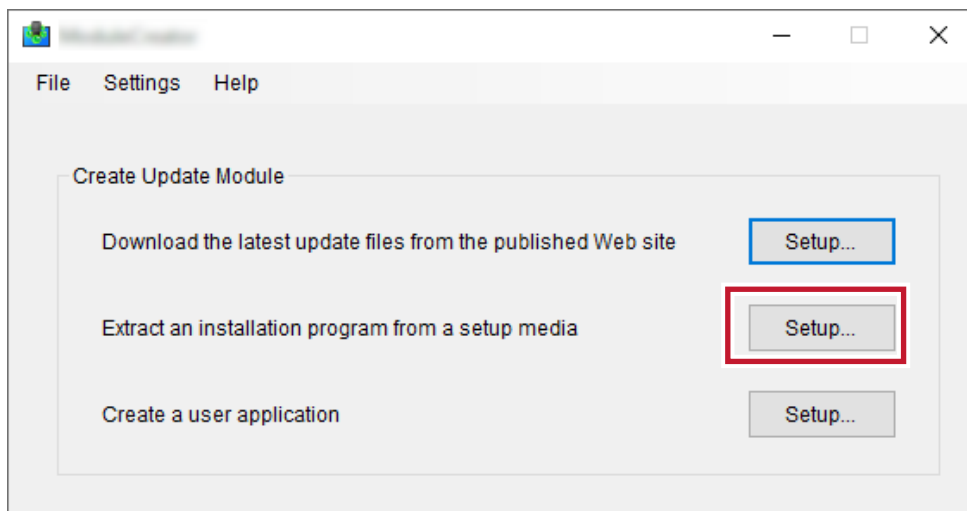
The [Obtain the latest update file from the website] window appears again.

Creating an Update Module Using the Setup DVD-ROM Supplied with the Scanner

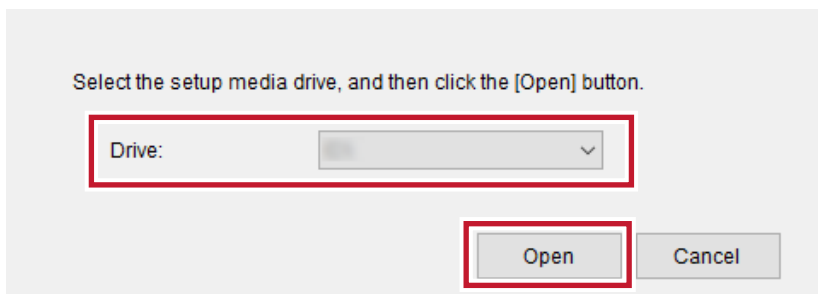
1 Start up Module Creator.

→ [Starting up Module Creator \(page 242\)](#)

2 Click the [Setup] button for [Extract an installation program from a setup media].



3 On the [Select Drive] window, select [Drive] and then click the [Open] button.



- 4 To filter installation programs shown in the list on the [Extract an installation program from a setup media] window, specify filter conditions and click the [Filter List] button.**

The screenshot shows a dialog box titled "Extract an installation program from a setup media". It has a close button (X) in the top right corner. The dialog is divided into two main sections: "Filter Conditions" and "Installation Program List".

In the "Filter Conditions" section, there is a "Model" text input field and a "Type" dropdown menu currently set to "(All)". To the right of these fields is a "Filter List" button.

The "Installation Program List" section contains a table with the following columns: "Type", "Model", "Version", and a "Create" button for each row. The table lists several installation programs, including "Customer Contact Center Agent", "Core Business Suite", "Retail", "Retail Setup Tool", "PaperDirect Capture", "PaperDirect P-1000", "PaperDirect P-1000S", and "PaperDirect P-1000L".

At the bottom of the dialog, there are "Cancel" and "Help" buttons.

The installation programs satisfying the filter conditions appear.

- 5 Click the [Create] button for the desired installation program.**
 When the [License Agreement] window appears, proceed to Step 6.
 When the [Save As] dialog box appears, proceed to Step 8.
- 6 Select the [I accept the terms in the license agreement.] check box.**
- 7 Click the [Next] button.**
- 8 On the [Save As] window, specify the save destination and click the [Save] button.**
 A message window appears when the creation of the update module is completed.
- 9 Click the [OK] button.**
 The [Extract an installation program from a setup media] window appears again.

Creating a User Application as an Update Module

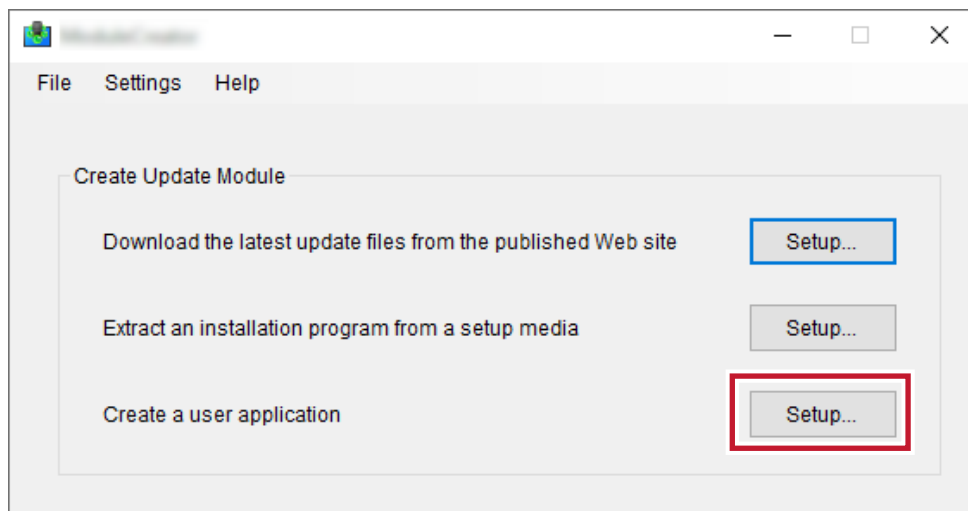
An application created by the user can be registered as an update module. Note the following points when creating a user application.

- While the update is being installed, interactive processes between the update module and the user cannot be performed. Do not implement a process that requests an action from the user. For example, the action could be a response to a confirmation message when overwriting a file or a restart of the computer.
- When installing an update, success/failure is determined by the return value from the user application. Create the application so that the execution result is notified by return value (0: succeeded, other than 0: failed).
- Do not implement a process that writes to registry or creates resources for individual users.

1 Start up Module Creator.

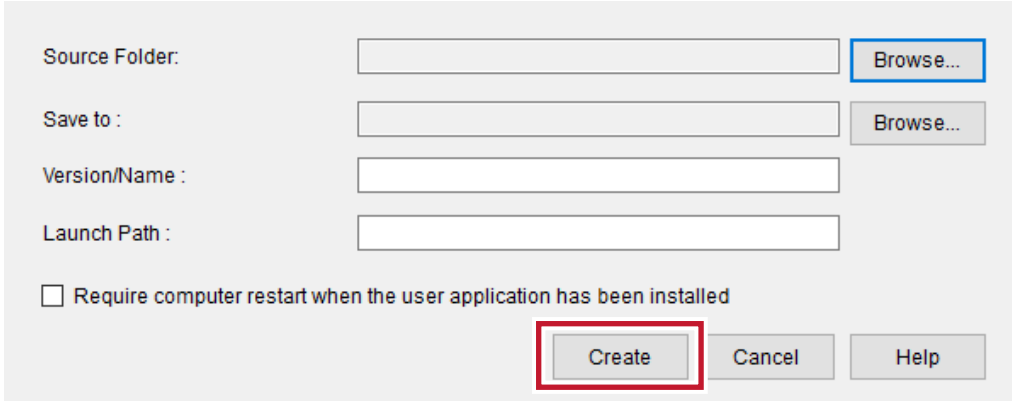
→ [Starting up Module Creator \(page 242\)](#)

2 Click the [Setup] button for [Create a user application].



3 Configure settings on the [Create a user application] window, and then click the [Create] button.

For information about the settings, refer to the Module Creator Help.



Source Folder:

Save to:

Version/Name:

Launch Path:

Require computer restart when the user application has been installed

A message window appears when the creation of the update module is completed.

4 Click the [OK] button.

The [Create a user application] window appears again.

Creating and Installing an Update Module for a File

This section provides an example for [Creating a User Application as an Update Module \(page 247\)](#) that explains how to create and install an update module for copying a file into a specified folder.

1 Create a batch file "sample.bat" for copying the file "sample.ini" into the specified folder, and then place both files in "C:\sample".

The following is an example of the batch file "sample.bat":

```
set dstPath=C:\work (*1)
if not exist %dstPath% mkdir %dstPath%
if errorlevel 1 goto error
copy /y sample.ini %dstPath% (*2)
if errorlevel 1 goto error
exit 0 (*3)
:error
exit 1 (*4)
```

*1:A specified folder on the computer connected to the scanner

*2:Copies the file

*3:Return value (0: succeeded)

*4:Return value (other than 0: failed)

2 Create an update module in Module Creator.

Follow the procedure in [Creating a User Application as an Update Module \(page 247\)](#), and configure the following settings on the [Create a user application] window to create the update module.

Setting	Value	Description
Source Folder	C:\sample	Specify the folder where the files created in Step 1 (the file "sample.ini" and the batch file "sample.bat" used for copying the .ini file into the specified folder) are saved.
Save to	User-defined	Specify the save folder of the update module.
Version/Name	CopySample_V01L01	Enter a name for recognizing the update module.
Launch Path	sample.bat	Specify the batch file from Step 1 for copying the .ini file to the specified folder.

3 Register the update module in PaperStream Central Admin.

→ [\[Application\] Tab in the \[New update\]/\[Edit update\] Window \(page 144\)](#)

4 Install the update module.

→ [Installing Update Modules Manually \(page 240\)](#)

Maintenance

This section describes the maintenance of PaperStream Central Admin, PaperStream Central Admin Agent, and Module Creator.

Backing Up/Restoring the PaperStream Central Admin Settings

The PaperStream Central Admin settings set by the administrator can be backed up and restored.

- **Backing Up PaperStream Central Admin Settings**

All data managed in PaperStream Central Admin can be backed up.

PaperStream Central Admin settings can be restored using the backup file. Take backups periodically just in case.

To back up PaperStream Central Admin settings, execute "AmBackup.exe" in the command prompt on the computer installed with PaperStream Central Admin.

When backing up, PaperStream Central Admin is in a temporarily suspended state, and installation of updates to scanners is not possible.

The operating status in the scanner list is indicated as all "Unreported".

For Windows client OS, execute the command as a user with administrator privileges.

- Command storage location

Under the [PSCAManager\Bin] folder in the installation folder of PaperStream Central Admin

- Command executable format

```
AmBackup.exe BackupFolderName
```

The italic text represents variable character strings.

- Return value

- 0
Succeeded
- Other than 0
Failed

ATTENTION

- Specify a folder without files and sub-folders as the backup folder. If the specified backup folder does not exist, it is created.
- Do not change the backup folder structure. If changed, restoration may not be processed correctly.
- Do not change the content of the backup file of PaperStream Central Admin settings. If the backup file content is changed and restored, processes related to PaperStream Central Admin may operate improperly.
- All files in the installation folder are deleted when PaperStream Central Admin is uninstalled. Therefore, save all backup files to a location other than the installation folder.

TIP

Before executing the AmBackup.exe command, confirm that the storage disk has sufficient free space. If there is not enough free disk space, an incomplete file may be saved.

The required free capacity is approximately twice the free capacity under the [Data] folder in the installation folder.

- **Restoring PaperStream Central Admin Settings**

PaperStream Central Admin settings that have been backed up can be restored to PaperStream Central Admin.

To restore PaperStream Central Admin settings, execute "AmRestore.exe" in the command prompt on the computer installed with PaperStream Central Admin.

- **Command storage location**

Under the [PSCAManager\Bin] folder in the installation folder of PaperStream Central Admin

- **Command executable format**

```
AmRestore.exe BackupFolderName
```

The italic text represents variable character strings.

- **Return value**

- 0

Succeeded

- Other than 0

Failed

ATTENTION

- Make sure to run the AmRestore.exe command after changing the current directory to the [Bin] folder in the installation folder of PaperStream Central Admin.
- The language for the backup and restore PaperStream Central Admin must be the same. If different languages are used, PaperStream Central Admin may not operate correctly when restoring.

TIP

- The admin password is not backed up and restored by using the AmBackup.exe and AmRestore.exe commands.

Even if the AmRestore.exe command is executed, the admin password and user name are not changed.

- To use HTTPS for communication to a scanner, additional settings may be required for the target PaperStream Central Admin to be restored. For more details, refer to [Importing the Certificate \(for HTTPS\) \(page 30\)](#).

See also

[Backup/Restore Command Messages \(page 222\)](#)

Obtaining Technical Support Information on PaperStream Central Admin

If any problems occur when setting up or using PaperStream Central Admin, technical support information on PaperStream Central Admin can be collected to help determine the cause of the problem.

To obtain technical support information, execute "AmInvestigate.exe" in the command prompt on the computer installed with PaperStream Central Admin.

When obtaining technical support information, PaperStream Central Admin is in a temporarily suspended state. Do not try to obtain technical support information unless you are requested by your distributor/dealer or a problem occurs.

For Windows client OS, execute the command as a user with administrator privileges.

- Command storage location

Under the [PSCAManager\Bin] folder in the installation folder of PaperStream Central Admin

- Command executable format

```
AmInvestigate.exe -d OutputFolder [-p EncryptedPassword] [-v]
```

The italic text represents variable character strings.

To show the status of the process, specify -v.

- Return value

- 0

Succeeded

- Other than 0

Failed

The information is output to the specified output folder for each type. If an encrypted password is specified, the technical support information is encrypted.

Maintaining PaperStream Central Admin Agent

This section describes maintenance of PaperStream Central Admin Agent.

You can update PaperStream Central Admin Agent and obtain technical support information on PaperStream Central Admin Agent.

● Updating PaperStream Central Admin Agent

By uploading a PaperStream Central Admin Agent update module to PaperStream Central Admin, you can update multiple PaperStream Central Admin Agent applications at one time on the computers connected to scanners.

In addition, you can register exported PaperStream Central Admin Agent settings in PaperStream Central Admin as an update module so that the settings are applied to multiple PaperStream Central Admin Agent applications at one time on the computers connected to scanners.

➔ [Updating Scanners and Computers \(page 44\)](#)

● Obtaining Technical Support Information on PaperStream Central Admin Agent

If any problems occur when setting up or using PaperStream Central Admin Agent, technical support information on PaperStream Central Admin Agent can be collected to help determine the cause of the problem.

Collect technical support information by using "filInfoCollect.exe" or "CollectAgentInfo.exe".

For Windows client OS, execute the command as a user with administrator privileges.

● When using "filInfoCollect.exe"

Run the "filInfoCollect.exe" command. Follow the instructions displayed on the windows to collect technical support information.

- Command storage location

● For 32-bit operating systems

%ProgramFiles%\fiScanner\filInfoCollect\filInfoCollect.exe

● For 64-bit operating systems

%ProgramFiles(x86)%\fiScanner\filInfoCollect\filInfoCollect.exe

● When using "CollectAgentInfo.exe"

Run "CollectAgentInfo.exe" in the computer where PaperStream Central Admin Agent is installed.

This command outputs "AgentInfo.cab" on the Windows desktop, which contains technical support information of PaperStream Central Admin Agent.

- Command storage location

Under the installation folder of PaperStream Central Admin Agent

- Command

CollectAgentInfo.exe

ATTENTION

- Log on to the computer as a user with Administrator privileges.
- "filInfoCollect.exe" is installed together with scanner drivers.

If "filInfoCollect.exe" is not installed on the computer, collect technical support information by using "CollectAgentInfo.exe".

Appendix

This appendix describes the supplementary information.

Functional Comparison among Scanner Types

What You Can Do in PaperStream Central Admin		Scanners Operated with Agent	Scanners Operated with Direct Connection (*1)	Network Scanner (*2)
Scanner auto search/Scanner registration		— (*3)	○ (*4)	—
Monitoring the statuses of the scanners		○	○	○ (*5)
Managing scanners/computers		○	○	—
Updating scanners/ computers	Scanner settings	—	○ (*6)	—
	Firmware	○	○	—
	Application settings	○	—	—
	Application	○	—	—
Event log		○	○	○
Statistics information		○	○	○
Gate Console function		○	○	○
Error notification e-mail settings		○	○	○
Linking with an SNMP Manager		○	○	○

○: Supported

—:Not supported

*1:fi-8040/fi-8190/fi-8290/fi-8170/fi-8270/fi-8150/fi-8250/fi-7300NX/SP-2240N/SP-2230N can be operated with direct connection.

*2:The scanner model is N7100E.

*3:These functions are available when the following scanners are connected to the network.

- fi-8040/fi-8190/fi-8290/fi-8170/fi-8270/fi-8150/fi-8250/SP-2240N/SP-2230N
The scanner auto search and scanner registration are available.

- fi-7300NX
The scanner auto search is available.

*4:To register a scanner, the scanner must be configured as follows:

- For fi-8190/fi-8290/fi-8170/fi-8270/fi-8150/fi-8250/fi-7300NX, configure the scanner to link with PaperStream Central Admin.

Enable the PaperStream NX Manager and Scanner Central Admin Server settings on the scanner and specify the IP address and port number of PaperStream Central Admin.

- For fi-8040, set the linked application setting in the scanner to "Scanner Central Admin Desktop".

***5:** If you make Scanner Central Admin Server a follower through the Gate Console function, you can monitor network scanners managed by Scanner Central Admin Server.

For applying updates or managing scanners, use Scanner Central Admin Server via Scanner Central Admin Console.

***6:** For fi-8040/SP-2240N/SP-2230N, this includes the DirectScan settings.

TIP

- Managing scanners or computers includes distribution of update modules.

➔ [Distributable Update Modules \(page 46\)](#)

- The statuses of the scanners cannot be monitored if the computer on which PaperStream Central Admin is installed is turned off, in hibernation mode, or in sleep mode.

Specifications for Using the Gate Console Function

- **Number of scanners that can be managed**

- Leader

Up to 51,000 units

Up to 50 followers can be registered for a leader. Therefore, the leader can manage up to 51,000 units, including 1,000 units registered with the leader and a total of 50,000 units registered with the followers.

- Follower

Up to 1,000 units

- **Followers that can be registered with the leader**

Up to 50 followers of the following types can be registered.

- PaperStream Central Admin

- Scanner Central Admin Server 5.8.0 or later

PaperStream Central Admin Server Option needs to be installed on the computer where Scanner Central Admin Server is installed.

ATTENTION

For a leader in the Gate Console function, the number of followers that can be registered is limited to the number of IIS concurrent requests.

When using PaperStream Central Admin as a leader on a Windows client OS, the approximate number of followers that can be managed is as follows.

When managing 6 followers or more, it is recommended to use a Windows server OS for a leader.

Edition	Number of Followers	Maximum Number of Scanners That Can Be Managed
Home	1	2,000
Professional	5	6,000
Enterprise	5	6,000

- **Window**

When a follower is registered with a leader, the leader's window also displays information about the follower's scanners and computers.

The leader's window allows you to monitor and manage the follower's scanners and computers.

Note that our network scanners (N7100E) can only be monitored in the leader's window by registering the scanners with Scanner Central Admin Server and then setting Scanner Central Admin Server as a follower.

For details, refer to [Functional Comparison among Scanner Types \(page 257\)](#).

The information displayed in the leader's and follower's screens is as follows:

- [Dashboard]

- Leader

- Scanner operation monitor/Scanner maintenance status/Scanner connection status/Total sheets scanned**

- Information on scanners registered with a leader and followers

- Update status**

- Status of applying updates distributed to scanners and computers registered with a leader
 - Status of applying updates distributed from a leader to scanners and computers registered with followers

- Note that the status of applying updates distributed from followers is not displayed.

- Follower

- Scanner operation monitor/Scanner maintenance status/Scanner connection status/Total sheets scanned**

- Information on scanners registered with a follower

- Update status**

- Status of applying updates distributed from a leader and followers

- [Scanner] (scanner list)

- Leader

- Information on scanners registered with a leader and followers

- Follower

- Information on scanners registered with a follower

- [Computer] (computer list)

- Leader

- Information on computers registered with a leader and followers

- Follower

- Information on computers registered with a follower

- [Update] (update list)

- Leader

- Information for updates to be applied to scanner groups and computer groups created by a leader.

- Follower

- Information for updates distributed from a leader and updates created by a follower

- If there are multiple updates for a single scanner group or computer group, they are listed as follows:

- If a leader has set the order in which updates are applied and distributed, the updates appear in the list in that order.

- If a follower is Scanner Central Admin Server, the application order set by a leader is not reflected.

- The information for the updates created by a follower is listed in the order set by the follower in the [Order in which to apply] window.
The [Order in which to apply] window displays only information for updates created by a follower.
- Information for updates distributed from a leader is applied after all updates created by a follower have been applied.
If a follower is Scanner Central Admin Server, the application order set by a leader is disabled.
- [Event Log] (event list)
 - Leader
Event logs for a leader and followers
 - Follower
Event logs for a follower
- [Statistics] (statistics list)
 - Leader
Statistics information on scanners registered with a leader and followers
 - Follower
Statistics information on scanners registered with a follower
- **Name of a group/update created by a leader**
 - Scanner Group
The name of a scanner group created by a leader will appear in the format of "LeaderUpdateGroup_ *Number*" on the follower side.
 - Computer Group
The name of a computer group created by a leader will appear in the format of "LeaderComputerUpdateGroup_ *Number*" on the follower side.
 - Update Name
The update name created by a leader will appear in the same name on the follower side.
If the follower already has the same update name, it will appear in the format of "*Update name created by a leader_ Number*".
If you change the update name on the leader side, the update name on the follower side will not be updated even if you synchronize data with the follower.

Import/Export File Formats

This section describes the formats of the following files.

- Serial number registration file
- Scanner configuration file
- Computer configuration Information file
- Event log file
- Statistical information file
- Follower information file

Serial Number Registration File Format

- The default value for the file name is "scanner_sn.csv".
- The character set of the file follows the setting on the [Preferences] window. The default setting is [Multi-byte].
- On the first line of the file, the title line is output.
- The file is in CSV format.

The values for each item are as follows:

Item	Value and Format
Serial Number (*1)	–
Model (*1)	fi-xxxx (case sensitive)
IP Address	xxx.xxx.xxx.xxx (xxx is a value from 0 to 255)
Status	Registered Unregistered

*1:Make sure you specify this when importing the file.

Scanner Configuration File Format

- The default value for the file name is "scannerinfo.csv".
- The character set of the file follows the setting on the [Preferences] window. The default setting is [Multi-byte].
- On the first line of the file, the title line is output.
- The file is in CSV format.

The values for each item are as follows:

Item	Value and Format	Scanners operated with Agent	Scanners operated with direct connection
Admin ID	10 or 26 characters long	<input type="radio"/>	<input type="radio"/>
MAC Address	XX:XX:XX:XX:XX (X is an alphanumeric character)	<input type="radio"/>	<input type="radio"/>
IP Address	xxx.xxx.xxx.xxx (xxx is a value from 0 to 255)	<input type="radio"/>	<input type="radio"/>
Subnet Mask	xxx.xxx.xxx.xxx (xxx is a value from 0 to 255)	<input type="radio"/>	<input type="radio"/>
Name	–	<input type="radio"/>	<input type="radio"/>
Port Number	Numerical value from 1 to 65535	<input type="radio"/>	<input type="radio"/>
Use HTTPS?	0: Do not use HTTPS 1: Use HTTPS	<input type="radio"/>	<input type="radio"/>
Model	–	<input type="radio"/>	<input type="radio"/>
Group	Arbitrary character string	<input type="radio"/>	<input type="radio"/>
Description	Arbitrary character string	<input type="radio"/>	<input type="radio"/>
Scanner Type	1: Scanners operated with Agent 2: Scanners operated with direct connection	<input type="radio"/>	<input type="radio"/>
True Model Type	–	<input type="radio"/>	<input type="radio"/>
Optional Items (*1)	–	<input type="radio"/>	<input type="radio"/>
Serial Number	–	<input type="radio"/>	<input type="radio"/>
Interface	USB 2.0, USB 3.0 Network(Computer) Network(NX Manager) Network(DirectScan)	<input type="radio"/>	<input type="radio"/>
Computer Name	–	<input type="radio"/>	<input type="radio"/>

Item	Value and Format	Scanners operated with Agent	Scanners operated with direct connection
Last Inventory Taken	YYYYMMDD hh:mm:ss	○	○
Initial Use	YYYYMMDD hh:mm:ss	○	○
Info Last Modified	YYYYMMDD hh:mm:ss	○	—
Registered	0: Unregistered 1: Registered	○	○
Operating Status	0: Unreported/Unregistered 1: Offline 3: Free 4: In use 6: Operating	○	○
Error Status	0: No 1: Yes	○	○
Update Status	0: NotTarget 1: Finished 2: Pending 3: Error 4: Unregistered	○	○
ADF Total Throughput	Numerical value	○	○
Flatbed Total Throughput	Numerical value	○	○
Return Scan Total Throughput	Numerical value	○	—
PAD ASSY	Numerical value	○	—
PAD ASSY Status	0: Allowed 1: Replace soon 2: Replace now	○	—
PAD ASSY Threshold	Numerical value	○	—
PAD ASSY: Counter Last Cleared	YYYYMMDD hh:mm:ss	○	—
PICK ROLLER	Numerical value	○	○
PICK ROLLER Status	0: Allowed 1: Replace soon 2: Replace now	○	○
PICK ROLLER Threshold	Numerical value	○	○
PICK ROLLER: Counter Last Cleared	YYYYMMDD hh:mm:ss	○	○

Item	Value and Format	Scanners operated with Agent	Scanners operated with direct connection
Brake Roller	Numerical value	<input type="radio"/>	<input type="radio"/>
Brake Roller Status	0: Allowed 1: Replace soon 2: Replace now	<input type="radio"/>	<input type="radio"/>
Brake Roller Threshold	Numerical value	<input type="radio"/>	<input type="radio"/>
Brake Roller: Counter Last Cleared	YYYYMMDD hh:mm:ss	<input type="radio"/>	<input type="radio"/>
Separator Roller	Numerical value	<input type="radio"/>	–
Separator Roller Status	0: Allowed 1: Replace soon 2: Replace now	<input type="radio"/>	–
Separator Roller Threshold	Numerical value	<input type="radio"/>	–
Separator Roller: Counter Last Cleared	YYYYMMDD hh:mm:ss	<input type="radio"/>	–
Print Cartridge Status	0: Allowed 1: Replace soon 2: Replace now	<input type="radio"/>	<input type="radio"/>
Print Cartridge: Counter Last Cleared	YYYYMMDD hh:mm:ss	<input type="radio"/>	<input type="radio"/>
Number of sheets scanned after cleaning	Numerical value	<input type="radio"/>	<input type="radio"/>
Cleaning required (Total Throughput after Cleaning)	0: Not required 1: Required	<input type="radio"/>	<input type="radio"/>
Cleaning threshold (Total Throughput after Cleaning)	Numerical value	<input type="radio"/>	<input type="radio"/>
Feed Roller	0: Not required 1: Required	<input type="radio"/>	<input type="radio"/>
Assist Roller	0: Not required 1: Required	<input type="radio"/>	–
Glass	0: Not required 1: Required	<input type="radio"/>	<input type="radio"/>
Paper jam, Multifeed: Occurrences within one day	Numerical value	<input type="radio"/>	<input type="radio"/>

Item	Value and Format	Scanners operated with Agent	Scanners operated with direct connection
Paper jam, Multifeed: Cleaning required (Occurrences within one day)	0: Allowed 1: Over the threshold	○	○
Paper jam, Multifeed: Cleaning threshold (Occurrences within one day)	Numerical value	○	○
Paper jam, Multifeed: Occurrences within throughput	Numerical value	○	○
Paper jam, Multifeed: Cleaning required (Occurrences within throughput)	0: Allowed 1: Over the threshold	○	○
Paper jam, Multifeed: Cleaning threshold (Occurrences within throughput)	Numerical value	○	○
Scanner Firmware: Version	–	○	○
Scanner Firmware: Last Update	YYYYMMDD hh:mm:ss	○	○
Scanner Firmware: Current Status	0: NotTarget 1: Finished 2: Pending 3: Error 4: Unregistered	○	○
Firmware (Imprinter): Version	–	○	○
Firmware (Imprinter): Last Update	YYYYMMDD hh:mm:ss	○	○
Firmware (Imprinter): Current Status	0: NotTarget 1: Finished 2: Pending 3: Error 4: Unregistered	○	○
Scanner Settings Version	–	–	○
Last Scanner Settings Update	YYYYMMDD hh:mm:ss	–	○
Current Scanner Settings Status	0: NotTarget 1: Finished 2: Pending 3: Error 4: Unregistered	–	○

○:Output

—:No output

***1:**Up to ten items that were added as custom fields for [Add custom fields] in the [Preferences] window are output.

Computer Configuration File Format

- The default value for the file name is "computerinfo.csv".
- The character set of the file follows the setting on the [Preferences] window. The default setting is [Multi-byte].
- On the first line of the file, the title line is output.
- The file is in CSV format.

The values for each item are as follows:

Item	Value and Format
Admin ID	10 or 26 characters long
MAC Address	XX:XX:XX:XX:XX (X is an alphanumeric character)
IP Address	xxx.xxx.xxx.xxx (xxx is a value from 0 to 255)
Use HTTPS?	0: Do not use HTTPS 1: Use HTTPS
Model	–
Group	Arbitrary character string
Description	Arbitrary character string
Scanner Type	1: Scanners operated with Agent 2: Scanners operated with direct connection
True Model Type	–
Optional Items (*1)	–
OS	–
Serial Number	–
Interface	USB 2.0, USB 3.0 Network(Computer) Network(NX Manager) Network(DirectScan)
Computer Name	–
Info Last Modified	YYYYMMDD hh:mm:ss
Update Status	0: NotTarget 1: Finished 2: Pending 3: Error 4: Unregistered
Scanner Control Runtime: Version	–
Scanner Control Runtime: Last Update	YYYYMMDD hh:mm:ss

Item	Value and Format
Scanner Control Runtime: Current Status	0: NotTarget 1: Finished 2: Pending 3: Error 4: Unregistered
Error Recovery Guide: Version	–
Error Recovery Guide: Last Update	YYYYMMDD hh:mm:ss
Error Recovery Guide: Current Status	0: NotTarget 1: Finished 2: Pending 3: Error 4: Unregistered
Manual: Version	–
Manual: Last Update	YYYYMMDD hh:mm:ss
Manual: Current Status	0: NotTarget 1: Finished 2: Pending 3: Error 4: Unregistered
PaperStream Central Admin Agent: Version	–
PaperStream Central Admin Agent: Last Update	YYYYMMDD hh:mm:ss
PaperStream Central Admin Agent: Current Status	0: NotTarget 1: Finished 2: Pending 3: Error 4: Unregistered
User Application: Version	–
User Application: Last Update	YYYYMMDD hh:mm:ss
User Application: Current Status	0: NotTarget 1: Finished 2: Pending 3: Error 4: Unregistered
Software Operation Panel Settings: Version	–
Software Operation Panel Settings: Last Update	YYYYMMDD hh:mm:ss
Software Operation Panel Settings: Current Status	0: NotTarget 1: Finished

Item	Value and Format
	2: Pending 3: Error 4: Unregistered
PaperStream Central Admin Agent Settings: Version	–
PaperStream Central Admin Agent Settings: Last Update	YYYYMMDD hh:mm:ss
PaperStream Central Admin Agent Settings: Current Status	0: NotTarget 1: Finished 2: Pending 3: Error 4: Unregistered
PaperStream IP (TWAIN): Version	–
PaperStream IP (TWAIN): Last Update	YYYYMMDD hh:mm:ss
PaperStream IP (TWAIN): Current Status	0: NotTarget 1: Finished 2: Pending 3: Error 4: Unregistered
PaperStream IP (ISIS): Version	–
PaperStream IP (ISIS): Last Update	YYYYMMDD hh:mm:ss
PaperStream IP (ISIS): Current Status	0: NotTarget 1: Finished 2: Pending 3: Error 4: Unregistered
PaperStream Capture: Version	–
PaperStream Capture: Last Update	YYYYMMDD hh:mm:ss
PaperStream Capture: Current Status	0: NotTarget 1: Finished 2: Pending 3: Error 4: Unregistered
PaperStream IP (TWAIN) Settings: Version	–
PaperStream IP (TWAIN) Settings: Last Update	YYYYMMDD hh:mm:ss
PaperStream IP (TWAIN) Settings: Current Status	0: NotTarget 1: Finished

Item	Value and Format
	2: Pending 3: Error 4: Unregistered
PaperStream IP (ISIS) Settings: Version	–
PaperStream IP (ISIS) Settings: Last Update	YYYYMMDD hh:mm:ss
PaperStream IP (ISIS) Settings: Current Status	0: NotTarget 1: Finished 2: Pending 3: Error 4: Unregistered
PaperStream Capture Settings: Version	–
PaperStream Capture Settings: Last Update	YYYYMMDD hh:mm:ss
PaperStream Capture Settings: Current Status	0: NotTarget 1: Finished 2: Pending 3: Error 4: Unregistered

*1:Up to ten items that were added as custom fields for [Add custom fields] in the [Preferences] window are output.

Separate Settings File Format

- The default file name is "SeparateSettings.csv".
- The character set of the file follows the setting on the [Preferences] window. The default setting is [Multi-byte].
- On the first line of the file, the title line is output.
- Enter the settings for one scanner in one line. Up to 100 lines (for 100 units) can be entered.
- If the separate settings file contains any quotation marks ("), the file will be imported without the quotation marks.
- If the combination of setting items is impossible, a message is displayed when the file is imported.
- The file is in CSV format.

The values for each item are as follows:

Item	Description	Value and Format
Scanner Name	Scanner name	<p>The following characters are available. This can be up to 64 characters long.</p> <ul style="list-style-type: none"> • Alphanumeric characters • " " (space) The space before or after the character string is ignored. • Symbols - _ <p>Up to 63 characters can be used for a scanner name (host name) that can be registered with the DNS server when the [Enable Dynamic DNS] check box is selected in the [Network] menu. Spaces and "_" are converted to "-".</p>
Serial Number	Serial number that is printed on the product label of the scanner	<p>This cannot be omitted. For details about the product label, refer to the Operator's Guide of your scanner model.</p>
Admin Password	Admin password used for configuring the scanner on its touch screen or for logging in to fi Series Network Settings (browser)	<p>The following characters are available. This can be up to 16 characters long.</p> <ul style="list-style-type: none"> • Alphanumeric characters • " " (space)

Item	Description	Value and Format
Default Gateway(IPv4)	Default Gateway (IPv4)	xxx.xxx.xxx.xxx (xxx is a value from 0 to 255)
Dynamic DNS	Whether to enable dynamic DNS	0: Disable 1: Enable (this can only be set when [0 (Auto)] is selected for [IPv4 Configuration]) <div data-bbox="1038 562 1453 945" style="border: 1px solid #0070c0; padding: 5px; margin-top: 10px;"> <p>TIP</p> <ul style="list-style-type: none"> The DNS server must be configured. Up to 63 characters can be used for [Scanner name] that can be registered with the DNS server. Spaces and "_" are converted to "-". </div>
IPv6 Configuration	IPv6 configuration	0: Auto (the settings for IPv6 Address, Receiving RA Packet, Subnet Prefix Length(IPv6), and Default Gateway(IPv6) are ignored) 1: Manual (be sure to configure the settings for IPv6 Address, Receiving RA Packet, Subnet Prefix Length(IPv6), and Default Gateway(IPv6)) 2: Disable <div data-bbox="1038 1435 1453 1760" style="border: 1px solid #e67e22; padding: 5px; margin-top: 10px;"> <p>ATTENTION</p> <p>The IPv6 configuration method works only when [Use the scanner connected to a computer] is selected for [How to use] in the [How to use] menu.</p> </div>
IPv6 Address	IPv6 address	XXXX:XXXX:XXXX:XXXX:XXXX:XXXX:XXXX:XXXX (XXXX is a hexadecimal number (up to four digits) between 0 and ffff)

Item	Description	Value and Format
Receiving RA Packet	Whether to receive RA packets	0: OFF (disables the automatically generated IPv6 address) 1: ON (enables the automatically generated IPv6 address)
Subnet Prefix Length(IPv6)	Subnet prefix length (IPv6)	3 to 128
Default Gateway(IPv6)	Default gateway (IPv6)	XXXX:XXXX:XXXX:XXXX:XXXX: XXXX:XXXX:XXXX (XXXX is a hexadecimal number (up to four digits) between 0 and ffff)

TIP

- In a separate settings file, use "," when delimiting items and enter nothing or use a space when leaving the current setting unchanged. A serial number must be entered.

Example:

- Scanner Name
Scanner01
- Serial Number
XXXXXXXXXX
- Admin Password
admin
- Password for Editing DirectScan Settings
Disable
- IPv4 Configuration
1 (Manual)
- IPv4 Address
111:11:1:1
- Subnet Mask(IPv4)
222.22.2.2
- Default Gateway(IPv4)
333.33.3.3
- Dynamic DNS
0 (Disable)
- IPv6 Configuration
Leave the current setting unchanged
- IPv6 Address
Leave the current setting unchanged
- Receiving RA Packet
Leave the current setting unchanged

- Subnet Prefix Length(IPv6)
Leave the current setting unchanged

- Default Gateway(IPv6)
Leave the current setting unchanged

The above settings are entered as follows:

Scanner01,XXXXXXXXXX,admin,<INVALID>,1,111:11:1:1,222.22.2.2,333.33.3.3,0, , , ,

Event Log File Format

- The default value for the file name is "execlog.csv".
- The character set of the file follows the setting on the [Preferences] window. The default setting is [Multi-byte].
- On the first line of the file, the title line is output.
- The file is in CSV format.

The values for each item are as follows:

Item	Value and Format
Date/Time	YYYYMMDD hh:mm:ss
Origin	–
IP Address	xxx.xxx.xxx.xxx (xxx is a value from 0 to 255)
Model	–
Serial Number	–
Type	I: Info W: Warning E: Error
Event_ID	–
Message	–

Statistical Information File Format

- The default value for the file name is "statistics.csv".
- The character set of the file follows the setting on the [Preferences] window. The default setting is [Multi-byte].
- On line one of the file, the time period is output.
On line two of the file, the title line is output.
On line three of the file, the statistical information is output.
The following is an output example.

```
Line 1: # Period YYYYMMDD – YYYYMMDD
Line 2: Device Name, Model, Serial Number, Group Name, Total (Sheets), ADF (Sheets), Flatbed
(Sheets), Comment, Status
Line 3: xxx,fi-xxxxx,xxx,xxxxxx(xx),305,300,5,xxx, Unknown
:
```

- The file is in CSV format.
The values for each item are as follows:

Item	Value and Format
Name	–
Model	–
Serial Number	–
Group Name	–
Total (Sheets)	Numerical value
ADF (Sheets)	Numerical value
Flatbed or Other Types (Sheets)	Numerical value
Description	Arbitrary character string
Status	Administered Not Administered Unknown

Follower Information File

- The default value for the file name is "followerinfo.csv".
- The character set of the file follows the setting on the [Preferences] window. The default setting is [Multi-byte].
- On the first line of the file, the title line is output.
- The file is in CSV format.

The values for each item are as follows:

Item	Value and Format
Follower Identification Name (*1)	–
Host Name/IP Address (*1)	xxx.xxx.xxx.xxx (xxx is a value from 0 to 255)
Status	Normal Unreported
Communication Method	HTTP (when "Status" is "Normal") HTTPS (when "Status" is "Normal") – (when "Status" is "Unreported")
Number of Managed Scanners	Numerical value
Number of Managed Computers	Numerical value
Follower Synchronized Date and Time	YYYYMMDD hh:mm:ss
Description	–

*1: Make sure you specify this when importing the file.

Compatibility for Backing up or Restoring PaperStream Central Admin Settings

The following table shows whether the PaperStream Central Admin settings can be backed up or restored, according to different applications, versions, and databases.

The version can be checked on the following window.

- For PaperStream Central Admin and Scanner Central Admin Desktop
[About] window
- For Scanner Central Admin Server
Scanner Central Admin Console login window

Backed Up In		Restored To		Compatibility
Application	Database Type	Application	Database Type	
PaperStream Central Admin 1.0.x	Built-in database	PaperStream Central Admin 1.0.x or later	Built-in database	○
			SQL Server	—
	SQL Server		—	
	SQL Server		○	
Scanner Central Admin Server 5.8.x or earlier	SQL Server		Built-in database	—
			SQL Server	○
Scanner Central Admin Desktop 1.3.x or earlier	Built-in database		Built-in database	○
			SQL Server	—

○: Compatible

—: Incompatible

ATTENTION

Backing up the PaperStream Central Admin settings and restoring them to Scanner Central Admin Server or Scanner Central Admin Desktop is not supported.

Uninstalling the Application

1 Turn on the computer and log on as a user with administrator privileges.

2 Exit any applications that are running.

3 Display the [Control Panel] window.

4 Select [Uninstall a Program].

The [Programs and Features] window appears.

5 Select the application to uninstall.

- To delete PaperStream Central Admin:
Select [PaperStream Central Admin].
- To delete PaperStream Central Admin Agent:
Select [PaperStream Central Admin Agent].

6 Click the [Uninstall] button or the [Uninstall/Change] button.

7 If you are prompted for confirmation, click either the [OK] button or the [Yes] button.

The software is uninstalled.

TIP

Depending on your user account control settings, you may receive the "An unidentified program wants access to your computer" message. In this case, select [Allow] to continue with the uninstallation.

■ Before Using This Manual

● Abbreviations Used in This Manual

The following abbreviations are used in this manual.

Indication	Name
Windows 10 (*1)	Windows® 10 Home (32-bit/64-bit) Windows® 10 Pro (32-bit/64-bit) Windows® 10 Enterprise (32-bit/64-bit) Windows® 10 Education (32-bit/64-bit)
Windows 11 (*1)	Windows® 11 Home (64-bit) Windows® 11 Pro (64-bit) Windows® 11 Enterprise (64-bit) Windows® 11 Education (64-bit)
Windows Server 2016 (*1)	Windows Server® 2016 Standard (64-bit)
Windows Server 2019 (*1)	Windows Server® 2019 Standard (64-bit)
Windows Server 2022 (*1)	Windows Server® 2022 Standard (64-bit)
Windows Server 2025 (*1)	Windows Server® 2025 Standard (64-bit)
.NET Framework	Microsoft® .NET Framework
SQL Server 2017	Microsoft® SQL Server® 2017 Express (64-bit) Microsoft® SQL Server® 2017 Standard (64-bit)
SQL Server 2019	Microsoft® SQL Server® 2019 Standard (64-bit)
SQL Server 2022	Microsoft® SQL Server® 2022 Standard (64-bit)
SQL Server	SQL Server 2017 SQL Server 2019 SQL Server 2022
Google Chrome	Google Chrome™

*1:Where there is no distinction between the different versions of the above operating system, the general term "Windows" is used.

● Description of Successive Operations

Right-arrow symbols (→) are used to separate icons or menu options which should be selected in succession.

Example:Click the [Start] menu → [Control Panel].

● Screenshots Used in This Manual

Microsoft product screenshots are reprinted with permission from Microsoft Corporation. These screenshots are subject to change without notice in the interest of product improvement. The actual screen and operations may differ depending on the operating system.

If the actual displayed screen differs from the screen examples in this manual, operate by following the actual displayed screen.

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- **Issue Date/Issuer**

- Issue date: April 2026

- Issued by: PFU Limited

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■ How to Use This Manual

Read this manual when using PaperStream Central Admin.

● Recommended Browser

It is recommended that you use one of the browsers below to view this manual properly.

- Microsoft Edge
- Google Chrome

ATTENTION

If an information bar is displayed when you view this manual, follow the message that appears on the information bar and allow the blocked content.

● To Search for Your Desired Topic with Keywords

Enter the keyword in the search bar that is located in the top of each topic, and click the [Search] button to display the topic titles in the search results.

AND Search

When you enter multiple keywords with a space between each word, the pages containing all the keywords that you entered are searched for.

Perfect Match Search

When the entered keywords are enclosed in double quotation marks, the pages containing all the keywords as a phrase are searched for.

Example: "PaperStream Central Admin".