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Xerox[®] D110/D125/D136 Printer System Administration Guide



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1

Administrator overview

Enter/exit the administrator mode

1. Press the **Log In/Out** button on the control panel.
The UI displays a keypad.
2. Type the system administrator ID.
The default ID is **admin**, and the default password is **1111**.
3. Select **Enter**.
4. Press the **Machine Status** button on the control panel.
5. Select the **Tools** tab on the UI.
The UI displays the System Settings screen.
6. Select the desired Mode, Group, and Feature, such as: **System Settings > Common Service Settings > Machine Clock/Timers**.
7. To exit the administrator mode, press the **Log In/Out** button on the control panel.
The UI displays the Logout screen.
8. Select **Logout**.

Customizing the UI buttons/screens

The administrator may customize specific buttons and screens:

- The user may switch to a specific feature without returning to the **Services Home** screen. This is accomplished by assigning specific features to the three custom control panel buttons. By default, the **Copy** feature is assigned to the first custom button, **Review** is assigned to the third custom button, and the second custom button is not assigned to anything (Not in Use).

- Specific screens may be displayed after the machine is turned on, when it exits the **Energy Saver** mode, and/or after **Auto Clear** is selected.

Assigning a feature to the screens and buttons

1. Log in as the administrator.
2. Press the **Machine Status** button on the control panel.
3. Touch the **Tools** tab on the UI.
The UI displays the System Settings screen.
4. Select **System Settings > Common Service Settings**.
5. Select **Screen/Button Settings**.
 - To set or change the default screen, select **Screen Default**.
 - To set or change a button on the UI, select the desired custom button option. For example, you can select the order in which icons display on the Services Home screen, or select how Job Type displays on the Completed Jobs screen for Job Status.
6. Select **Change Settings**.
7. Select the desired setting for the feature.

The choices are shown on the displayed list.
8. Select another feature to set or change and repeat the previous steps as needed.
9. Select **Save**.
The previous screen displays.
10. Select **Close**.
The main Tools tab screen displays.
11. Exit the administrator mode.

Enabling Stored Programming

The Stored Programming feature allows you to store the settings of a commonly used job. If this feature is not on your Services Home menu, you can add it to that menu.

1. Log in as a system administrator.
2. From the Tools tab, select **System Settings > Common Services Settings**.
3. Select **Screen/Button Settings**.
4. Select **Services Home**, and then select **Change Settings**.
5. Select **Add**, scroll to **Stored Programming**, and select **Save**.
6. Log out as the administrator for the changes to take effect.

Power Saver/Energy Saver mode

The Power Saver/Energy Saver feature sets the time that lapses until the machine enters a reduced power consumption mode. There are two power saver modes: Low Power and Sleep. The modes are activated when all copy and/or print jobs are completed and there are no jobs currently processing.

Low Power mode

In this mode, the power to the UI and fuser unit is lowered to save power. The display goes out, and the **Energy Saver** button on the control panel lights up. To use the machine, press the **Energy Saver** button. The **Energy Saver** button light turns off, indicating that the Power Saver feature is canceled.

Sleep mode

In this mode, the power is lowered more than in the Low Power mode. The display goes out, and the **Energy Saver** button on the control panel lights. To use the machine, press the **Energy Saver** button. The **Energy Saver** button goes out to indicate that the Energy Saver feature is canceled.

Set/change the Energy Saver mode time intervals

Note

The time intervals for both the Low Power and Sleep modes may be changed to reflect a value of 1-240 minutes for each mode.

1. Log in as the administrator.
2. Press the **Machine Status** button on the control panel.
3. Touch the **Tools** tab on the UI.
The UI displays the System Settings screen.
4. Select **System Settings > Common Service Settings**.
5. Select **Machine Clock/Timers**.
6. Select **Energy Saver Timers**.
7. Select **Change Settings**.
8. Select the desired time interval for both the Low Power and Sleep modes.

Note

For D110/D125/D136 configurations, the default time for Low Power mode is 15 minutes, and the default time for Sleep mode is 60 minutes. For the D95 configuration, the default time for Low Power is 5 minutes, and the default time for Sleep mode is 20 minutes. Ensure that the Sleep mode interval is configured with a longer amount of time than the Low Power mode time interval.

9. Select **Save.**

The previous screen displays.

10. Select **Close.**

The main Tools tab screen displays.

11. Exit the administrator mode.

Exiting energy saver mode

The machine exits the power saver mode either by pressing **Energy Saver** on the control panel or when it receives print data for an incoming print job.

2

Configuration

TCP/IP (LPD/Port 9100)

Preparations

A network environment where TCP/IP is used is required when using the TCP/IP (LPD/Port 9100) protocol on the machine.

Configuration procedure

The machine can be connected to computers using the TCP/IP (LPD/Port 9100) protocol.

The following is the procedure to use TCP/IP(LPD/Port 9100) protocol.

- Configuration on the Machine: Configure TCP/IP (LPD/Port 9100) on the machine.
- Configuration on the Computer: Install the print driver.

Configuration on the machine (LPD)

This section describes the configuration procedure to use TCP/IP (LPD/Port 9100) protocol on the machine. Enable the LPD Port or Port 9100 port, then assign the IP address.

LPR/LPD is a platform-independent printing protocol that runs over TCP/IP. Line Printer Daemon (LPD) refers to the process that accepts print jobs from the line printer daemon (LPR) client. This is analogous to the printer software and is often called LPD server.

The print server waits for the client to send a job. A print server may be capable of handling multiple printers and print queues simultaneously. A queue name usually has a single IP address, so it must be used to specify the intended print queue.

Note

The configuration can also be performed using CentreWare Internet Services. Refer to Using CentreWare Internet Services.

Note

Enable the SOAP port and the SNMP port in most cases.

1. Enter the System Administrator mode.
2. Enable either the LPD port or the Port 9100 port as needed. In this example, the LPD port is enabled.
 - a) Select **System Settings**.
 - b) Select **Connectivity & Network Setup**.
 - c) Select **Port Settings**.
 - d) Select **LPD** and then select **Change Settings**.
 - e) Select **LPD - Port Status** and select **Change Settings**.
 - f) Select **Enabled** and then select **Save**.
 - g) Select **Close** repeatedly until the Connectivity & Network Setup screen is displayed.
3. If necessary, set the IP Address.
4. Exit the System Administrator Mode.
5. After the machine is restarted, print the Printer Settings List to confirm that the LPD port is enabled.

Configuration on the computer

The configuration procedure for the computer is to install the print driver.

NetWare

Preparations

A NetWare server is required when using NetWare network.

Configuration procedure

The machine supports PServer mode for both the NetWare Directory Service and Bindery Service. PServer mode enables the machine to function as a print server and to capture print jobs in the print queue to output. The printer created for the machine consumes one file server license.

Note

The machine does not support Remote Printer (RPrinter) Mode.

Supported interfaces

- 100Base-TX
- 10Base-T

Supported frame types

- Ethernet II specification
- IEEE802.3 specification
- IEEE802.3/IEEE802.2 specification
- IEEE802.3/IEEE802.2/SNAP specification

Note

The machine will send packets of each frame type on the network, and will initialize for the same frame type as the first reply packet received. However, if there are multiple protocols running on the same network, use Ethernet II specification.

Microsoft® Network (SMB)

Preparations

Be sure you are using a network environment where either TCP/IP or NetBEUI can be used when using a Microsoft Network (SMB).

Configuration procedure

The machine can be connected to computers using Microsoft Networks (SMB).

Depending on the network environment, the machine may need to be configured with an IP address, subnet mask and gateway address. Check with the network administrator and set up the necessary items.

The following is the procedure to connect the machine to a Microsoft Network (SMB):

- Configuration on the Machine: Enable the SMB port on the machine.
- Configuration on the Computer: Install the print driver.

Configuration on the machine (SMB)

This section describes the configuration procedure to connect the machine to Microsoft Networks (SMB). Enable the SMB port, then set the IP address.

- The configuration can also be performed using the IP configuration tools included in CentreWare Internet Services. Refer to Using CentreWare Internet Services.
 - Enable the SOAP port and the SNMP port in most cases.
1. Enter the System Administrator Mode.
 2. Enable the SMB port.
 - a) Select **System Settings**.
 - b) Select **Connectivity & Network Setup**.
 - c) Select **Port Settings**.
 - d) Select **SMB** and then select **Change Settings**.
 - e) Select **Port Status** and select **Change Settings**.

Configuration

- f) Select **Enable** and then select **Save**.
3. If necessary, set the IP Address.
4. Exit the System Administrator mode.
5. After the machine is restarted, print the Printer Settings List to confirm that the SMB port is enabled.

Note

If using the NetBEUI protocol, select NetBEUI as the protocol used by SMB for the port configuration by using CentreWare Internet Services.

Configuration on the computer

The configuration procedure for the computer is to install the print driver.

EtherTalk

Preparations

The following item is required when using an EtherTalk network:

- A network environment where EtherTalk can be used.

Configuration procedure

The machine can be connected to computers using an EtherTalk network.

The following is the procedure to connect the machine to the EtherTalk network:

- Configuration on the Machine: Set up EtherTalk on the machine.
- Configuration on the Computer: Install the print driver.

Configuration on the machine (EtherTalk)

This section describes the configuration procedure to connect the machine to EtherTalk network.

Enable the EtherTalk port

Note

The configuration can also be performed using CentreWare Internet Services. Refer to Using CentreWare Internet Services.

Note

Enable the SOAP port and the SNMP port in most cases.

1. Enter the System Administrator Mode.

2. Enable the EtherTalk port.
 - a) Select **System Settings**.
 - b) Select **Connectivity & Network Setup**.
 - c) Select **Port Settings**.
 - d) Select **EtherTalk** and then select **Change Settings**.
 - e) Select **Port Status** and select **Change Settings**.
 - f) Select **Enable** and then select **Save**.
3. If necessary, enter the IP Address.
4. Exit the System Administrator Mode.
5. After the machine is restarted, print out the Printer Settings List to confirm that the EtherTalk port is enabled.

Note

Configure EtherTalk as necessary.

Configuration on the computer

The configuration procedure for the computer is to install the print driver.

Configuration

3

Software applications and options

Tip

The User Interface (UI) screens shown in this guide may or may not reflect the screens displayed on your system. The UI screens vary from system to system and from marketplace to marketplace. Therefore, the UI screens in this guide are a representation of the type of screens that may be seen on your particular system.

Overview of features

Network Scanner Utility2

Using Network Scanner Utility2, you can import scan documents stored in the mailbox of the machine onto a network computer.

There are 2 types of Network Scanner Utility2:

- Network Scanner
- Mailbox Viewer2

Network scan driver

The Network Scan driver is used to allow client-side application software to import documents (scan data) stored in the mailbox on the machine through the network.

CentreWare Internet Services

CentreWare Internet Services requires a TCP/IP environment, and enables you to view the status of the machine and its jobs, as well as change settings using a web browser. You can also import documents saved in a mailbox.

Starting CentreWare Internet Services

To use this service, perform the following procedure on your computer.

1. Start the computer and the browser.
2. Enter the device IP address or Internet address in the browser address field and press the Enter key.
 - If your network uses DNS (Domain Name System) and the host name of the machine is registered with the domain name server, you can access the device using a combination of the host name and the domain name as the “Internet address.” For example, if the host name is “myhost,” and the domain name is “mycompany.com,” then the “Internet address “myhost.mycompany.com.” When specifying a port number, add “:” and a port number to the end of the Internet address.
 - If using the authorization feature on the machine, enter a UserID and Password into the User Name and Password fields. Ask the machine administrator for the UserID and Password.
 - If communications are encrypted, you must specify an address that starts with “https” instead of “http” to access CentreWare Internet Services.

The CentreWare Internet Services Screen

The CentreWare Internet Services screen is made up of four frames. The contents displayed in four frames change depending on the feature in use (service, job, status, property, maintenance, support).

Note

You can read explanations of CentreWare Internet Services using the online help by clicking on the Help button in the top frame.

Top Frame

The Top Frame includes the logo, the machine name, and tabs (links) to each feature.

Right Frame and Upper Left Frame

Contents change depending on the selected feature. When a feature is selected, configurable features and data are displayed in the right frame and upper left frame, including a link to www.xerox.com.

Bottom Center Frame

A link to the Xerox home page is shown. Primary features provided by CentreWare Internet Services are listed below:

Tab name	Main features
Service	Print Commands: You can specify a file on your PC to print.
Job	Job List, Job History Report, Delete Jobs
Status	Display Device Status: Display the status of paper tray and output tray, and consumables such as toner Reboot by system administrator
Properties	Display and configuration of the properties below: Device information and date / time settings, memory and print language device configuration display, quantity display, paper tray settings, paper settings, power saver mode settings, mailbox edit, Job Flow edit, security settings, ID management, mail notification settings, Auditron settings, Internet Services settings, port settings Port Settings Protocol Settings Emulation Settings Memory Allocation
Maintenance	Display Error History
Support	Display Support Data

Browser

CentreWare Internet Services has been tested on the browsers listed below.

For Windows OS

- Microsoft Internet Explorer 9.x or later

For MacOS X 10.5 or later

- Safari 5.x or later
- Firefox 20.x or later

Browser settings

Before using this service, check the following configuration settings for your internet browser. The following is a generic example; depending on the internet browser, the option names and their location in the browser window may vary.

1. Select **Internet Options** from the **Tools** menu.
2. In the **General** tab, click the **Settings** button in the Temporary Internet Files pane.
3. In the Settings dialog box, set Check for newer versions of stored pages to either **Every visit to the page** or **Every time you start the internet browser**.
4. Click **OK**.

Proxy server and port numbers

This section describes proxy server settings and port numbers when using this service.

Proxy server

We recommend that you use this service by connecting directly, and not using a proxy server.

Note

If using a proxy server, specifying the IP address of the machine in the browser results in slower responses and could prevent some screens from appearing. In this case, it is necessary to configure the machine's IP address on the browser-side without going through a proxy server. Refer to the browser documentation for configuration instructions.

Port number

This service is configured to use port "80" by default. The port number can be changed in **Properties > Protocols > HTTP**. Valid ports are 1 - 65535.

If you change the port to a value other than "80," you must add ":" plus the port number to the IP address when typing the URL into your browser.

For example, if the port number is "8080," the URL is:

http://the IP address of the machine:8080

OR

http://the Internet address of the machine:8080

- You can verify the port number in **Settings List > Maintenance**.
- If communications are encrypted, you must specify an address that starts with "https" instead of "http" to access CentreWare Internet Services.

4

Tools

The machine has factory default (initial) settings which can be customized. To change the settings, enter the System Administration mode, and go to the Tools tab on the UI. This chapter describes how to change system settings.

The following tables provide a listing of the various items that can be set or changed while logged in as administrator. The items appearing in these tables depend on machine configuration and the optional feeding and finishing devices connected to the machine.

Tools tab overview (administrator mode)

Tools	System Settings Setup Accounting Authentication/Security Settings
-------	--

Tools > System Settings

System Settings	Common Service Settings Copy Service Settings Connectivity & Network Setup Print Service Setting Scan Service Settings E-mail Service Settings Folder Service Settings Job Flow Service Settings Media Print Service Settings Stored File Settings
-----------------	---

Tools > Setup

Setup	<ul style="list-style-type: none"> Create Folder Stored Programming Create Job Flow Sheet Create Job Flow Sheet Keyword Add Address Book Entry Paper Tray Attributes
-------	--

Tools > Accounting

Accounting	<ul style="list-style-type: none"> Create/View User Accounts Reset User Accounts System Administrator's Meter (Copy Jobs) Accounting Type Accounting Login Screen Settings Auto Reset of User Billing Information Accounting/Billing Device Settings Copy Activity Report
Create/View User Accounts	<ul style="list-style-type: none"> All User Accounts All Feature Access Settings All Account Limits Total Impressions All Authorization Groups Meter (Print Jobs) Print the Auditron Report Print the Meter Report Reset
System Administrator Copy Meter	Total Impressions
Accounting Type	<ul style="list-style-type: none"> Accounting Disabled Local Accounting Network Accounting Xerox Standard Accounting Auditron Mode
Accounting Login Screen Settings	<ul style="list-style-type: none"> Alternative Name for User IDMask User ID Mask User IS (***)
Auto Reset of User Billing Information	<ul style="list-style-type: none"> Off Reset Every Year Reset Every Quarter Reset Every Month
Copy Activity Report	Disabled/Enabled

Tools > Authentication/Security Settings

System Administrator Settings	System Administrator's Login ID System Administrator's Passcode
Authentication	Login Type Access Control Create/View User Accounts Reset User Accounts Create Authorization Groups User Details Setup Maximum Login Attempts by System Administrator Passcode Policy Charge/Private Print Settings
Allow User to Disable Active Settings	Enable or Disable Active Settings
Job Status Default	Active Jobs View Completed Jobs View
Overwrite Hard Disk	Number of Overwrites Schedule Image Overwrite Run Image Overwrite

Entering Text

During operations, a screen sometimes displays for text entry.

5

System Settings

From System Settings, you can set or change the initial values. The system settings features include:

Common Service Settings

These settings relate to the machine itself.

Copy Service Settings

You can set the copy feature defaults, copy operation control, button functions, and so on.

Connectivity & Network Setup

You can set the ports, protocols, and so on.

Print Service Settings

You can set the memory settings, print time operation, and so on.

Scan Service Settings

You can set the scanner feature defaults, button functions, and other items.

E-mail Service Settings

You can set the e-mail feature defaults, address search, and so on.

Folder Service Settings

You can set the folder service settings, and so on.

Mailbox Service Settings

You can set and modify the mailbox settings.

Job Flow Service Settings

You can set and modify the Job Flow settings.

Stored Document Settings

Settings for documents stored in the mailbox can be set.

Network Controller Settings

You can select and set the following network controller features:

- Ethernet Rated Speed
- TCP/IP - IP Address
- TCP/IP - Subnet Mask
- TCP/IP - Gateway Address
- Frame Type

System settings procedure

1. Login as the Administrator.
2. Press the **Machine Status** button on the UI control panel.
3. Select the **Tools** tab on the UI.
4. Select **System Settings**.
5. Select a feature. After setting the feature, select **Save**.
6. Exit the System Administration Mode.

Common Service Settings

In Common Service Settings, you select default settings that affect the machine itself.

1. From the System Settings screen, select **Common Service Settings**.
2. Select the item to be set.

Machine Clock/Timers

Use the Machine Clock/Timers feature to set the machine clock time and time intervals for various options:

Date

Sets the date of the machine clock. The date set here prints on lists and reports. Select from three different options when setting the date:

- Year/Month/Day
- Month/Day/Year
- Day/Month/Year

Time

Sets the time of the machine clock. The time set here prints on lists and reports. Select either a 12-hour or 24-hour representation.

Auto Clear

Sets the time period which determines when the machine returns to its default screen; in other words, if a given time period elapses with no operation, the machine automatically returns to the initial (default) screen. When this option is set for **On**, select a time period between 30-900 seconds, in one second intervals.

Note

Even if **Off** is selected, any currently scanned and pending jobs continue processing after one minute of inactivity on the machine.

Auto Job Release

If an error occurs during a copy or scan job, this sets the time that elapses until the current job is automatically cleared, and thereby enables the completion of the next job. When set for **On**, select a time period from 4 through 99 minutes, in one minute increments. Select **Off** if you do not want to use this feature.

Auto Print

Set the time from the end of print job until the execution of next print job. When set for **On**, select a time period from 1 through 240 seconds, in one second intervals. If **Off** is selected, printing can start immediately, once the machine is ready.

Printer Lockout Duration

When set for **On**, select the time from the start to the end of printer lockout. Set the values from 0 through 23 hours and to 59 minutes. If you select **Off** no printer lockout occurs.

Time Zone

Sets the time difference from Greenwich Mean Time (GMT).

Daylight Savings Time

With this feature enabled, the machine automatically adjusts the current time when daylight savings time starts and ends. Options include:

- **Adjust off:** Select this feature if you do not want to use the Daylight Savings feature.
- **Adjust by Month, Day & Time:** Select this feature to specify the start of the daylight savings feature, by month, day and time.
- **Adjust by Month, Week, Day of Week & Time:** Select this feature to specify the start of the daylight savings feature, by month, week, and day of the week and time.

Setting the Machine Clock/Timers

1. Log in as the administrator.

System Settings

2. Select **Machine Status** on the Control Panel.
3. Access the **Tools** tab on the UI.
4. Select **System Settings > Common Service Settings**.
5. Select **Machine Clock/Timers**.
6. Select the item to be set or changed.
7. Select **Change Settings**.
8. Select the desired setting for the option.
9. Select **Save**.
The previous screen displays.
10. Select another option to set or change and repeat the previous steps as needed.
11. Select **Close**.
The main **Tools** tab screen displays.
12. Exit the administrator mode.

Date and Time

Use the following instructions to setup the Date and Time for the printer.

1. Select **Machine Status** from the Control Panel.
2. Select the **Tools** tab, **System Settings** and select **Common Service Settings**.
3. Select **Machine Clock/Timers**.
4. Select **Date** and select **Change Settings**. Enter the **Date Format** and then the day, month and year.
5. Select **Save**.
6. Select **Time** and select **Change Settings**. Select either **12 Hour Clock** or **24 Hour Clock**. Then select the hours and select **Save**.

NTP Time Synchronization

You can get the time from a time server (NTP: Network Time Protocol), to synchronize the machine to the time server time.

1. From the **Machine Clock/Timers** screen, select **NTP Time Synchronization**, and select **Change Settings**.
2. Select **On** or **Off**.
3. Select **Save** to save the settings and return to the previous window.

Connection Interval

Select the time interval at which a connection is made to the time server.

Select an interval from 1 through 500 hours, in steps of one hour.

1. From the **Machine Clock/Timers** screen, select **Connection Interval**, and select **Change Settings**.
2. Enter the **Connection Interval** using the numeric keypad.
3. Select **Save** to save the settings and return to the previous window.

Time Server Address

This is used to enter the IP address for the time server.

Note

Set the NTP Time Synchronization to on.

1. From the Machine Clock/Timers screen, select **Time Server Address** and press **Change Settings**.
2. Enter the IP address:
 - IP Address: Set the IP address of the time server from which the time is obtained, using values 0 to 255.
 - Addresses 244 to 255.XXX.XXX.XXX and 127.XXX.XXX.XXX cannot be set.
 - Select **Next** to enter the next part of the IP address if the address between dots is less than 3 digits.
3. Select **Save** to save the settings and return to the previous window.

Auto Clear

If a given time period elapses with no operation, the machine automatically returns to the initial screen.

Set a period from 1 through 4 minutes, in intervals of 1 minute.

Note

Even if **Off** is selected, any currently scanned and pending jobs continue processing after one minute of inactivity on the machine.

1. From the Machine Clock/Timers screen, select **Auto Clear** and select **Change Settings**.
2. Select **Off** or **On**.
3. If you selected **On**, select the time by using the arrows or the numeric keypad to enter a numeric quantity.
4. Select **Save** to save the settings and return to the previous window.

Auto Job Release

If an error occurs during a copy or scan job, you can set the time that elapses until the current job is automatically cleared, and thereby enabling the completion of the next job. Errors that may occur include a paper feed, a jammed original, a copy jam, running out of hard disk space, etc. Once the current job is cleared, jobs that can be continued are limited to those that only use parts of the machine not affected by the error. Set the value in the range 4 to 99 minutes, in 1 minute increments. Select **Off** if you do not want to use this feature.

1. From the Machine Clock/Timers window, select **Auto Job Release**, and select **Change Settings**.
2. Select **Off** or **On**.
3. If you selected **On**, set the time using the arrows or the numeric keypad to enter a numeric quantity.

4. Select **Save** to save the settings and return to the previous window.

Auto Print

Set the time from the end of print job until the execution of next print job. Set the value from 1 to 240 seconds, in one second steps. If you select **Off**, printing can start immediately, once the machine is ready.

1. From the Machine Clock/Timers window, select **Auto Print**, and then select **Change Settings**.
2. Select **Off** or **On**.
3. If you selected **On**, set the time by using the arrows, or the numeric keypad to enter a numeric quantity.
4. Select **Save** to save the settings and return to the previous window.

Printer Lockout Duration

Set the time from the start to the end of printer lockout. Set the values from 0 to 23 hours and to 59 minutes. If you select **Off**, no printer lockout occurs.

1. From the Machine Clock/Timers window, select **Printer Lockout Duration**, and then select **Change Settings**.
2. Select **Off** or **On**.
3. If you selected **On**, set the Start and End time by using the arrows, or the numeric keypad to enter a numeric quantity.
4. Select **Save** to save the settings and return to the previous window.

Energy Saver Timers

In energy saving mode, there is a low-power mode and a sleep mode, and when the set time has elapsed from the last operation on the machine, the machine goes to low-power mode, then to sleep mode.

The Energy Saver Timers feature allows the amount of time specified to elapse before the machine enters Low Power Mode or Sleep Mode. Options include:

- From Last Operation to Low Power Mode: Specify a time period between the last operation and while entering into the Low Power mode in the range from 1 through 240 minutes, in one minute increments.
- From Last Operation to Sleep Mode: Specify a time period between the last operation and while entering into the Sleep mode from 1 through 240 minutes, in one minute increments.

Note

Set the Sleep Mode time for a longer time interval than the Low Power Mode time.

1. From the Energy Saver settings window, select **Energy Saver Timers**, and then select **Change Settings**.
2. Set low-power mode and sleep mode.
 - a) **From Last Operation to Low Power Mode:** Set the time to go from last operation to low-power mode. Set the time from 1 through 240 minutes, in 1 minute increments.

The time From Last Operation to Low Power mode must not exceed the time From Last Operation to Sleep Mode.

- b) **From Last Operation to Sleep Mode:** Set the time to go from last operation to sleep mode from 1 through 240 minutes, in 1 minute increments.

Time Zone

1. From the Machine and Clock/Timers window, select **Time Zone** and then select Change Settings.
2. Use the arrows to set the time difference from Greenwich Mean Time (GMT).
3. Select **Save** to save the settings and return to the previous window.

Daylight Savings

With this feature enabled, the machine automatically adjusts the current time when daylight savings time starts and ends.

Print-On-Demand Duration

1. From the Machine Clock/Timers section, select Print-On-Demand-Duration.
2. Select the desired minutes.

Audio Tones

Use the **Audio Tones** feature to select whether or not to sound an alarm for various machine functions; for example an alarm can be set to sound when a job ends or there is a fault. Options include:

Control Panel Select Tone

Select the volume level that sounds when a button on the UI is correctly selected. Select from **Loud**, **Normal**, and **Soft**. To disable the sound, select **Off**.

Control Panel Alert Tone

Select the volume level that sounds when a non-functioning (or grayed-out) button is selected or when an error occurs. Select from **Loud**, **Normal**, and **Soft**. To disable the sound, select **Off**.

Base Tone

For a button that toggles (the setting changes each time it is pressed), select the volume level that sounds when the button is in its initial (first) position. This is the sound made when the **Interrupt** button is released. Select from **Loud**, **Normal**, and **Soft**. To disable the sound, select **Off**.

Machine Ready Tone

Set the volume level that sounds when the machine is ready to copy or print or after the machine powers on. Select from **Loud**, **Normal**, and **Soft**. To disable the sound, select **Off**.

Job Complete Tone 1

Select the volume level that sounds when the machine successfully completes the specific cycle, such as a copy job. Select from **Loud**, **Normal**, and **Soft**. To disable the sound, select **Off**. The default setting is Copy.

Job Complete Tone 2

Select the volume level that sounds when the machine successfully completes the specific cycle, such as a copy job. Select from **Loud**, **Normal**, and **Soft**. To disable the sound, select **Off**. The default setting is Print Report.

Fault Tone

Select the volume level that sounds when there is an error termination. Select from **Loud**, **Normal**, and **Soft**. To disable the sound, select **Off**.

Auto Clear Alert Tone

Select the volume level that sounds when the automatic clear feature is enabled. Select from **Loud**, **Normal**, and **Soft**. To disable the sound, select **Off**.

Alert Tone

Select the volume level that sounds when a fault, such as a paper jam occurs, and the fault is left unattended. Select from **Loud**, **Normal**, and **Soft**. To disable the sound, select **Off**.

Out of Paper Warning Tone

Select the volume level that sounds when there is no paper in the paper tray and the job is left unattended. Select from **Loud**, **Normal**, and **Soft**. To disable the sound, select **Off**.

Low Toner Alert Tone

Select the volume level that sounds when it is time to replace the drum toner cartridge. Select from **Loud**, **Normal**, and **Soft**. To disable the sound, select **Off**.

Stored Programming

Select the volume level that sounds when the Stored Programming feature is enabled. Select from **Loud**, **Normal**, and **Soft**. To disable the sound, select **Off**.

Stored Programming Complete Tone

Select the volume level that sounds when the Stored Programming feature is enabled. Select from **Loud**, **Normal**, and **Soft**. To disable the sound, select **Off**.

Setting Audio Tones

1. Log in as the administrator.
2. Select the Machine Status button on the Control Panel.
3. Access the Tools tab on the UI.
4. Select **System Settings** > **Common Service Settings**.
5. Select **Audio Tones**.

6. Select the item to be set or changed. Options include:
 - Control Panel Select Tone
 - Control Panel Alert Tone
 - Base Tone
 - Machine Ready Tone
 - Job Complete Tone 1, 2
 - Fault Tone
 - Auto Clear Alert Tone
 - Alert Tone
 - Out of Paper Warning Tone
 - Low Toner Alert Tone
 - Stored Programming
 - Stored Programming Complete Tone
7. Select **Change Settings**.
8. Select the desired setting for the option.
9. Select **Save**.
The previous screen displays.
10. Select another option to set or change and repeat the previous steps as needed.
11. Select **Close**.
The main Tools tab screen displays.
12. Exit the administrator mode.

Stored Programming Tone

Select the volume level that sounds while the machine records a job into the job memory.

Note

It is not possible to disable this sound.

Stored Programming Complete Tone

Select the volume that sounds when the Stored Programming is completed. Select **Loud**, **Normal**, or **Soft**. To disable the sound, select **Off**.

Screen/Button Settings

Use the Screen/Button Settings feature to set specific screens and buttons that display when the power is turned on, when exiting Power Saver, and more. Options include:

Screen Default

Assign a default screen that displays when the machine powers on; selections include **Services**, **Copy**, **Job Status**, or **Machine Status**.

Service Screen Default

Assign a default to the service screen; selections include **Services Home**, **Copy**, or **Stored Programming**.

Service Screen After Auto Clear

Assign a default service screen that displays after Auto Clear occurs; select either **Services Home** or **Last Selection Screen**.

Auto Display of Login Screen

When the Authentication feature is used, select whether or not to automatically display the login screen after turning the machine on or after canceling the Power Saver/Energy Saver mode.

Services Home

Set the layout of service buttons that appear on the Services Home screen when pressing the **Services Home** button on the control panel.

Job Type on Job Status screen

Select the job types that to display on the Completed Jobs tab of the Job Status screen when the **Job Status** button on the control panel is pressed.

Default Language

Set the default language for the machine; this language appears on the UI.

Screen Brightness

Use this option to increase or decrease the brightness of the screen.

Customize Keyboard Button

Use this option to enter and save frequently used information and to create a customized button on the UI keyboard screen. Frequently used information may be a domain name, an IP address, or other related data; for example: www.xerox.com. Only one UI keyboard button may be customized.

Screen after inserting USB

Use this option to determine which screen will display once a USB is inserted.

Service Screen After Auto Clear

You can assign the Service Screen after auto clear.

1. From the Screen/Button Settings window, select **Service Screen After Auto Clear**, then select **Change Settings**.
2. Select the desired screen default.
3. Select **Save**.

Assigning Screen/Button Settings

1. Log in as the administrator.

2. Press the Machine Status button on the Control Panel.
3. Access the Tools tab on the UI.
4. Select **System Settings > Common Service Settings**.
5. Select **Screen/Button Settings**.
6. Select the item to be set or changed. Options include:
 - Screen Default
 - Service Screen Default
 - Service Screen After Auto Clear
 - Auto Display of Login Screen
 - Services Home
 - Job Type on Job Status screen
 - Default Language
 - Customize Keyboard Button
 - Screen Brightness
 - Reconfirm E-Mail Recipient
 - Customize Keyboard Button
 - Screen After Inserting USB
7. Select **Change Settings**.
8. Select the desired setting for the option.
9. Select **Save**.

The previous screen displays.
10. Select another option to set or change and repeat the previous steps as needed.
11. Select **Close**.

The main Tools tab screen displays.
12. Exit the administrator mode.

Customize Keyboard Button

Select this option for frequently used information (e.g. domain names, IP addresses, or other related data) to create a customized button on the UI keyboard screen.

Note

You can customize one button only.

1. From the Customize Keyboard Button screen, select **Change Settings**.
2. Enter in your desired information that will appear on the customized button (e.g., .com or john.doe@xerox.com).
3. Press the **Preview** button to see the selection displayed on the customized button, located in the lower, right corner of the keyboard screen.
4. Select **Save**.

Custom Paper and Custom Paper Color Settings

You can set a custom name for paper 1-5 (refer to the screen in Step 1 of the following procedure). A maximum of twelve characters can be entered for each custom paper name. For example, use the name “Color” for colored paper.

1. From the Paper Tray Settings screen, select the **Custom Paper Settings and Custom Paper Color Settings** feature.

The Custom Paper Name/Color screen opens.

2. Select the item to be set or changed, and select **Change Settings**.
The Keyboard screen opens.
3. Enter the desired name for Custom Paper 1.
4. Select **Save** to save the name and return to the previous screen.
5. If desired, repeat Steps 1-5 for the other custom paper types and custom paper colors.
6. Select **Close** to return to the Paper Tray Settings screen.

Paper Tray Settings

The Paper Tray Settings is available by selecting the Machine Status button from the Control Panel. Select the **Tools > System Settings > Common Service Settings > Paper Tray Settings**. Use the **Paper Tray Settings** feature to set items relating to the paper and trays, including the following components:

Custom Paper Name/Color Settings

Use this feature to assign a custom name for the color paper loaded in the machine. A maximum of twelve characters can be entered for each custom color paper name.

Paper Tray Attributes

Use this feature to configure settings for specific paper characteristics for the paper that is loaded in each tray; options include:

- Paper Size
- Paper Type (such as plain, uncoated, or uncoated stock)
- Paper Weight
- Paper Color
- Alignment Adjustment: Use this feature to make adjustments to the image based on the alignment output of a document. Adjustments can be modified such as: registration, perpendicularity, skew, and magnification.
- Adjust Paper Curl: Use this feature when the output contains too much paper curl.
- Auto Air Assist Values: Use this feature to switch on/off fans in a paper tray in order to eliminate misfeeds, multifeeds, paper jams, or other possible tray feeding problems.
- Adjust Fold Position: Use this feature to adjust the fold position for various paper types, as well as set adjustment values to various default types. This option is available only if the machine is equipped with either the optional Standard Finisher or Booklet Maker Finisher.

Custom Paper Supply Screen

Use this feature to assign and set specific paper attributes to a custom paper. Attributes include:

- Name
- Paper Type (such as plain, coated, or uncoated stock)
- Paper Weight
- Alignment Adjustment: Use this feature to make adjustments to the image based on the alignment output of a document. Adjustments can be modified such as: registration, perpendicularity, skew, and magnification.
- Adjust Paper Curl: Use this feature when the output contains too much paper curl.
- Auto Air Assist Values: Use this feature to switch on/off fans in a paper tray in order to eliminate misfeeds, multifeeds, paper jams, or other possible tray feeding problems.
- Adjust Fold Position: Use this feature to adjust the fold position for various paper types, as well as set adjustment values to various default types. This option is available only if the machine is equipped with either the optional Standard Finisher or Booklet Maker Finisher.

Paper Tray Attributes on Setup Screen

The selection made on this screen determines whether or not the **Paper Tray Attributes** option is displayed on the **Tools** tab.

Paper Tray Attributes During Loading

This feature determines whether or not the Paper Tray Attributes option is displayed on the User Interface when a paper tray is opened and closed.

Paper Tray Priority

Use this feature to set the paper tray priority sequence for automatic tray selection. Automatic tray selection occurs when a tray containing the appropriate paper is automatically selected by the machine for copying or printing.

Tray 5 (Bypass) Paper Size

Use this feature to assign specific paper sizes to Tray 5 (Bypass). This will facilitate easier copying when using Tray 5 (Bypass). A maximum of 20 paper sizes can be assigned to the Tray 5 (Bypass) size selections.

Auto Tray Switching Control

Use this feature to choose the auto tray switching method and how to copy mixed size documents.

Custom Paper and Custom Paper Color Settings

You can set a custom name for paper 1-5 (refer to the screen in Step 1 of the following procedure). A maximum of twelve characters can be entered for each custom paper name. For example, use the name “Color” for colored paper.

1. From the Paper Tray Settings screen, select the **Custom Paper Settings and Custom Paper Color Settings** feature.
The Custom Paper Name/Color screen opens.
2. Select the item to be set or changed, and select **Change Settings**.
The Keyboard screen opens.
3. Enter the desired name for Custom Paper 1.
4. Select **Save** to save the name and return to the previous screen.
5. If desired, repeat Steps 1-5 for the other custom paper types and custom paper colors.
6. Select **Close** to return to the Paper Tray Settings screen.

Paper Tray Attributes

Select the paper size and paper type that will be loaded in trays 1-4, tray 5 (bypass), and optional trays 6 and 7.

1. Select **Setup > Paper Tray Attributes**.
2. Select the item to be set or changed, and select **Change Settings**.
3. Select **Change Settings**.

Customize Paper Settings

Select the features that are displayed about a paper in the Paper Supply screen (Copy feature).

1. From the Paper Tray Settings select **Customize Paper Supply** screen.
2. Select an item.
3. Select **Save** to close this screen and return to the Paper Tray Settings screen.

Change Paper Settings During Loading

The selection made on this screen determines whether or not the **Paper Tray Attributes** feature displays on the Setup menu. Select **Disabled** or **Enabled**.

1. Log in as the administrator.
2. Access the Tools tab on the UI.
3. Select **System Settings > Common Service Settings**.
4. Select **Paper Tray Settings**.
5. Select **Paper Tray Attributes During Loading**.
6. Select one of two choices:
 - **Disabled:** When selected, the paper tray attributes option does NOT display on the Tools tab.

- **Enabled:** When selected, the paper tray attributes option DOES display on the Tools tab.
7. Select **Save**.
The Paper Tray Settings screen displays.
 8. Select **Close**.
The main Tools tab screen displays.
 9. Exit the administrator mode.

Paper Tray Priority

1. From the Custom Settings window, select **Paper Tray Priority**.
2. Select the item to be set or changed.
 - Make the appropriate selections or changes to that item.
 - Select **Save** to return to the Paper Tray Priority screen.
3. Repeat step 2 for each Paper Tray Priority feature.
4. Select **Close** to return to the Common Settings screen.

Paper Type Priority

1. Select **Paper Type Priority**.
2. Select a paper type from the list of items.
3. Select **Change Settings**.
4. Select the **Priority Number** from a list of **Auto, First** through **Eighth**.

Tray 5 (Bypass) - Paper Size Defaults

This feature allows you to assign specific paper sizes to Tray 5. This will facilitate easier copying when using Tray 5 (Bypass).

You can assign a maximum of twenty paper sizes to the Tray 5 (Bypass) size selections, which are listed 1-20.

To assign paper sizes to the Tray 5 buttons, perform the following steps.

Note

If a nonstandard size paper is frequently used for copying, set this feature to accommodate that paper size. This avoids repeatedly selecting the paper dimensions each time you use that nonstandard paper for copying. This feature also allows you to set commonly used paper sizes in the descending order shown on the screen below; this provides ease and quickness in selecting the desired paper size when copying jobs. For example, if you frequently use 12 x 18 in. (304.8 x 457.2 mm) paper, you can set Item 1 for that paper size.

1. From the Paper Tray Settings screen, select **Tray 5 (Bypass) Paper Size Defaults**.
2. Select the item to be set or changed, and select **Change Settings**.

Note

Use arrow buttons to display the next screen.

3. Select the paper series.
If Custom Size is selected, go to step 1
4. Select a specific paper size.
5. If **Custom Size** is selected, set the numeric values using arrow buttons.
6. Select **Save** to save your selections and return to the previous screen.
7. Repeat steps 1-6, as required, for Tray 5 paper sizes.
8. Select **Close** to return to the Paper Tray Settings screen.

Auto Tray Switching

Set the method of auto tray switching.

Enable during Auto Select

When the paper selection is Auto Select, the machine automatically selects a tray containing appropriate paper.

Enable for Same Paper Weight and Color

When the paper selection is Auto Select, the machine automatically selects a tray containing the same paper type and color.

1. When completed, select **Save**.
2. Select **Targeted Paper Type and Weight**.
3. Select **Targeted Paper Color**.
4. Select **Targeted Paper Type and Weight**.
5. Select **Targeted Paper Color**.
6. Select **Close**.

Image Quality Adjustment

The Image Quality Adjustment Settings are available by selecting the Machine Status button from the Control Panel. Select the Tools tab, System Settings, and Common Service Settings and then select Image Quality Adjustment. You can select the image quality processing method that is used when the machine is scanning an original.

1. From the System Common Service Settings **Features** menu, select **Image Quality Adjustment**.
2. Select **Image Quality Adjustment**.
3. Select the item to be set or changed, and select **Change Settings**.

Photo and Text Recognition

This feature allows the System Administrator to set the default level for Photo & Text Recognition. (The Photo & Text function is used with the Original Type (Image Quality) feature when copying jobs.) The setting selected here enables the machine to accurately distinguish text from photos when it scans the original document.

Select **Photo & Text Recognition** and then select the **Change Settings** button. Photo & Text Recognition options include the following:

- Select **Normal** to enable optimum image quality during copy jobs.
- Select **More Text** if the majority of the copy jobs contain mostly fine print; this enables the machine to recognize the fine print as text.
- Select **More Photo** if the majority of copy jobs contain more photographs than text. This enables the machine to recognize newspaper and advertisement halftone images as photos.

Note

If a copy job requires a setting other than “**Normal**,” the System Administrator may change the default level for that job. However, at the completion of the job, ensure that the default level is reset to “**Normal**” in order to provide optimum image quality on your output.

Background Suppression (Black copy)

Background Suppression prevents reproduction of unwanted shading from originals where the opposite side printing shows through.

- Select **High Quality** to enhance the quality of the black copy.
- Select **High Speed** to increase the rate of speed of data transmission

Background Suppression (Scan Jobs)

Background Suppression prevents reproduction of unwanted shading from originals where the opposite side printing shows through

1. Select **High Quality** to enhance the quality of the black copy.
2. Select **High Speed** to increase the rate of speed of data transmission.

Image Enhancement

You can select whether or not to carry out image enhancement. If you select **On**, copy data is smoothed, to give a smoother appearance. If **Off** is selected, the machine will not perform image enhancement.

Reports

The Reports option is available by selecting the Machine Status button from the Control Panel. Select the Tools tab, System Settings, and Common Service Settings then select Reports. These settings relate to printing reports.

1. From the Common Settings screen, select **Reports**.
The Reports screen is displayed.

Note

The reports actually listed on your Reports screen may vary according to the enablement or disablement of related features or options.

System Settings

2. Select the item to be set or changed, and select **Change Settings**.
3. Select the appropriate option for the specific Reports feature.
4. Select **Save** to save the selection.

Print Reports Button

When enabled, the **Print Reports** button appears on the **Machine Information Tab** without entering the SA passcode.

Job History Report

You can select whether or not to automatically print a Job History Report after a total of fifty jobs have been processed.

2 Sided Report

When printing a report/list, select whether to print 1 sided or 2 sided.

Maintenance

Use this feature to further customize the machine settings for the following options:

Quick Home Setup

Use this option to create a quick page to be used as the Home screen.

Initialize Hard Disk

Use this option to initialize the machine hard disk. This erases any current data on the hard disk.

Delete Certificates/Initialize Settings

Use this option to select **Delete Job** or **Run Job** when the machine memory is full.

Software Options

This feature is for service representatives only. For more information, contact the Xerox Customer Support Center.

Alignment Adjustment

Use this feature to adjust the output image (such as skew or perpendicular angle) and assign the alignment type to a specific tray. A total of 20 alignment types can be created/configured.

Adjust Fold Position (Finisher Adjustment) - optional

This feature is available only if the optional Standard/Booklet Maker Finisher is connected to the machine. Use this feature to adjust the fold position on the printed output. If the optional C/Z Folder is also connected, more folding options are available.

Initialize Hard Disk Drive

This procedure initializes the hard disk. The data erased by formatting includes additional fonts, ESC/P, HP-GL/2, and SMB folder.

Tip

The secure print document log is not erased.

1. From the Maintenance screen, select **Initialize Hard Disk Drive**.
2. Select the partition to be reformatted and select **Start**.
3. Select **Yes**.
4. When reformatting completes successfully, the message screen appears, select **Confirm**.
5. Select **Close** to return to the Maintenance screen.
6. Select **Close** to return to the Common Settings screen.

Software Options

Use the Keyboard to type passcodes for the Software Options and select **Reboot**. Up to five passcodes can be typed.

Delete Certificates/Initialize Settings

Tip

Do not use this function unless you are authorized and have checked with your Xerox Service Representative.

This deletes all data recorded in the machine. This includes all user settings, and data recorded automatically by the system.

Software Options

Use the Keyboard to type passcodes for the Software Options and select **Reboot**. Up to five passcodes can be typed.

Alignment Adjustment Settings

Adjustments can be made to the image based on the alignment output of a document. Various adjustments can be modified such as: image position, scale, and skew. This can be achieved through the use of the twenty default adjustment types. In addition, a specific paper tray can be assigned to a specific adjustment type.

Adjustments can be made when the position of the output image is misaligned or skewed. This may be a result of paper expansion or contraction, cutting inaccuracy, or paper storage conditions. To compensate for this scenario, the Alignment Adjustment Settings feature can be used to adjust the image alignment.

Note

It is recommended that you read through the entire Alignment Adjustment Settings section before performing any actual alignment adjustments.

Adjust the position of the output image (alignment adjustment)

The following adjustments can be made to the position of the output image. These are described in more detail in the following pages.

- **Squareness Adjustment (Skew):** Adjust a skewed image
- **Scale Adjustment:** Adjust this when the size (scale) of the printed image is offset
- **Print Position Adjustment:** Use this option when making adjustments to the lead edge of the image (X direction) and side edge of the image (Y direction). For example, use this when the images on sides 1 and 2 are misaligned.

Alignment Adjustment settings procedure

Save the adjustment results for squareness, print position, and scale as an alignment adjustment type, and then assign the type to the desired paper tray.

1. Load paper in a tray.
2. Press the **Log In/Out** button, and enter the system administrator mode.
3. Select the **Tools** tab followed by the **System Settings** tab.
4. Select the **Common Service Settings** followed by the **Maintenance Settings**.
5. Select **Alignment Adjustment Settings**.
6. Select **Alignment Adjustment Type Setup**, and press **Change Settings**.
7. Select the alignment adjustment type you want to set or adjust, and press **Change Settings**.
8. Select **Name**, and press **Change Settings**.
9. Assign a type name, and press **Save**.

Note

We recommend using a name such as “A4 Plain” that allows you to know what the content of the paper type is.

10. Press **Sample Printout**.
11. Select the paper tray in which you loaded paper in Step 1, and then select **1-Sided** or **2-Sided** followed by the desired number of sheets via the Number of Sheets option.

Note

When using the Squareness Adjustment option, select the A3 paper size. When using the Number of Sheets option, we recommend printing about 10 sheets in order to calculate the average value of the variations.

12. Press the **Start** button.

The current sample output is printed.

If the position of the sample output is correct, a line is printed at a position 10 mm from the edge of the paper. If the position of the line on the sample output is misaligned, make adjustments accordingly.

Note

Two lines are printed on the image of side 1 and one line is printed on the image of side 2 of the sample that is printed with Sample Printout to indicate the paper feed direction.

13. Press **Save**.
14. Check the sample output, and adjust the position if misalignment has occurred.
15. After you finish making adjustments, print another output sample by pressing the **Sample Printout** and verify the adjustment results.
16. Make adjustments again if necessary and press **Save**.
17. Press **Save**.
18. Press **Close**.
19. Select the tray to assign the set type (the tray in which you loaded the paper in Step 1), and press **Change Settings**.
20. Select the adjusted type, and press **Save**.

Adjusting Values

Adjust the size (scale) of the image with respect to the lead edge direction and the side edge direction according to the paper feed direction by 0.025 % increments for each of sides (side 1 and 2). You can adjust up to 0.400 % . Specify a positive value when you want to increase the scale, and a negative value when you want to reduce it.

1. Check the sample output, and measure the scale offset amount that occurred.

Paper feed direction: X direction scale

X direction scale offset amount = image reference length in the X direction - image actual measurement length in the X direction

Vertical direction in relation to the paper feed direction: Y direction scale

Y direction scale offset amount = image reference length in the Y direction - image actual measurement length in the Y direction

The reference lengths for a sample output of A3 or A4 size printed with Sample Printout are as follows.

Paper Size	Image Reference Length in the X Direction	Image Reference Length in the Y Direction
A3	400 mm	277 mm
A4	190 mm	277 mm

2. Select **X%** or **Y%**, then press **Change Settings**.
3. Enter the offset amount of the X direction scale you measured in Step 1 for Side 1 and Side 2 of X % .
4. Enter the offset amount of the Y direction scale you measured in Step 1 for Side 1 and Side 2 of Y % .

Note

If the scale offset amount is positive, enter a negative value in the adjustment value field. If negative, enter a positive value.

5. Press **Save**.

Power On Self Test

1. Select **Maintenance**.
2. Select **Power On Self Test**.
3. Select either **On** or **Off** to determine if a self test will be printed when the printer is powered on.

USB Key

1. The USB key feature must be enabled.
2. From **Maintenance**, select **USB Key**.
3. Connect the USB and select **Start**.

Creating or Editing DFA Finisher Profiles

Follow the procedure below to create or edit a DFA Finisher Profile.

1. Log in as an administrator.
2. Press the **Machine Status** button.
3. Select the **Tools** tab.
4. Under the Group list, select **Common Service Settings**.
5. Under the Features list, select **Maintenance**.
6. Select **Finisher Adjustment**.

Note

Use the arrow button to get to the next window if that selection is not on the current window.

7. Select **DFA Finisher Profiles**.
8. Select **Create/Edit**.
9. Make selections from the options displayed. Use the arrow button to get to the next selections window until all selections are made.
10. Select **Save**, and then select **Close** until you get to the **Tools** tab.

Print Universal Unique ID

1. From the Common Settings screen, select **Print Universal Unique ID**.
2. Select the desired setting for the Print Universal Unique ID feature.
3. Select **Save**; you are returned to the Secure Watermark screen.
4. Repeat Steps 1-4, if necessary, for other Image Log Control features.
5. Select **Close** from the Image Log Control screen to return to the Common Settings screen.

Print Universal Unique ID

Select whether or not to set Print Universal Unique ID. Selections are **Yes** or **No**.

Plug-in-Settings

Plug-in Settings

1. Select **Plug-in Settings**.
2. Select either Embedded Plug-ins or select from a List of Embedded Plug-ins.

Other Settings

This feature allows you to select the default settings for miscellaneous other options that relate to the machine.

Offset Stacking (Middle Right Tray)

Select the default offset stacking option for the finisher tray:

- **None:** If this option is selected, the finishing tray will not offset any output.
- **Offset per set:** If this option is selected, the finishing tray will offset each set of a copy/print job. This option also offsets each job.
- **Offset per job:** If this option is selected, all the sets of a job are delivered on one stack to the output area. When the next job starts, that job is offset from the previous job in the tray. This option does not offset each set of a job.

Auto Job Promotion

This Other Settings option allows you set the machine to automatically promote a job for printing/copying if the machine is unable to start a prior job. For example, the machine is unable to start an operation because there is no paper in the tray (at the start of a copy or print operation). If this feature is enabled, then the machine can bypass the current job and allows other jobs to start.

Tip

The other jobs must not have the same copy/print requirements as the faulted job. If other jobs have different copy/print requirements, then these other jobs can be promoted and copied/printed.

Note

Stored documents such as secure prints and sample prints are excluded and cannot be automatically promoted.

Default Print Paper Size

Select the default paper size that will be used when printing a report/list. Select **A4** or **8.5 x 11 inch**.

Paper Size Settings

Select the default paper sizes for standard size originals and for automatic paper detection. Select from five possibilities: **A/B series (8 x 13")**, **A/B series**, **A/B series (8K/16K)**, **A/B series (8 x 13"/8 x 14")**, and **Inch series**.

Keyboard Input Restriction

Select whether to restrict the display of the virtual keyboard on the UI. To prevent illegible characters from occurring when one character set is switched to another character set, restrict the input to ASCII characters only. If you select **On** (Standard ASCII only), the displayed keyboard shows ASCII characters only.

Operation of Up/Down Buttons

Select whether or not there is a continuous scrolling effect when the scroll buttons are held down.

- **Disable Fast Scrolling:** Scrolling does not occur when the scroll buttons are held down.
- **Enable Fast Scrolling:** Scrolling occurs when the scroll buttons are held down.

Data Encryption

Tip

This is an optional accessory and may be purchased at an additional cost to the customer. For more information, contact the Customer Support Center.

If you want the recorded data on the hard disk encrypted, select **On** as the default setting for this feature. By activating data encryption, all data written to the hard disk is automatically encrypted. Encryption prevents unauthorized access to the stored data. When encryption is on, an encryption key must be set.

Encryption Key for Confidential Data

Tip

Do not forget the encryption key! The data cannot be restored if you forget the encryption key.

Tip

A service representative can block changes to the settings of this feature. For more information about settings, refer to Service Representative Operation Limit .

If the optional Data Encryption feature is available for your machine, use the following procedure for creating an encryption key.

1. Select **Encryption Key for Confidential Data**.
2. Select Keyboard and enter a 12-character encryption key.

Note

The default value for the encryption key is 111111111111 (twelve ones).

3. Select **Save**.
4. Select **Next**.
5. Using the same procedure, enter the same encryption key once more.

Data Restoration: The enciphered data cannot be restored if any of the following occur:

- When there is a physical hard disk error
- When you cannot remember the encryption key
- When attempting to access the Service Representative Operation Limit feature, but you cannot remember the System Administrator User ID and password.

Service Rep. Restricted Operation

This feature restricts the Service Representative from accessing certain security features and changing the System Administrator settings. Select either **On** or **Off**. When **On** is selected, the machine passcode can be set.

Software Download

This feature is not supported; however, it may still be accessible. This feature is only for service representative use. Contact the Customer Support Center. Select Disabled as the default setting.

Document Feeder Tray Elevation

This feature allows specification of when the Document Tray elevation in the Document Handler is raised to the operating position. Select either **When loading originals** or **When pressing Start**.

When loading originals

Select this option if you want the elevator tray to raise when you load documents in the document feeder.

When pressing Start

Select this option if you want the document feeder elevator tray to raise when you press the **Start** button on the control panel.

Estimated Job Time

Select the default setting that is displayed for the estimated job completion time.

Cumulative time for all jobs

Select this option if you want the machine to display the total time for all jobs.

Time required for a single job

Select this option if you want the machine to display the time required for a single job.

Paper Tray Attributes During Loading

When a paper tray is removed from the machine and then replaced, selecting **Disabled** or **Enabled** determines whether or not the tray change is displayed on the UI.

1. From the Paper Tray Settings select **Paper Tray Attributes During Loading**.
2. Select one of the following:
 - **Off**: If this feature is selected, then the UI does not display the paper tray attributes while you are loading paper in the tray.
 - **On**: If this feature is selected, the UI displays the paper tray attributes as you are loading paper into the tray
3. From the Paper Tray Settings screen, select **Paper Tray Priority**.

Paper Tray Priority

Set the paper tray priority sequence for automatic tray selection. Automatic tray selection means that a tray containing the appropriate paper is automatically selected by the machine for copying or printing.

You can select paper trays 1-4 and optional 6 and 7. Tray 5 (Bypass) cannot be selected.

4. Select the item to be set or changed, and select **Change Settings**.
5. Select a Priority setting (First-Sixth) and assign a specific tray to that priority setting.

Note

Only one tray can be set to each priority.

6. Select **Save** to save the selections and return to the Paper Tray Priority screen.
7. Select **Close** to return to the Paper Tray Settings screen.

Paper Size

Standard-sized paper that is loaded into trays 3, 4, and optional trays 6 and 7 is automatically detected. However, when a nonstandard size is loaded, it is necessary to specify the width and height.

Tip

Depending on the paper size, the guide lever may not fit, and this may cause paper jams or other errors. Tray detection may also not be possible. In such cases, use tray 5 (Bypass Tray).

Note

Trays 1 and 2 are preset at manufacturing at size 8.5 x 11 in. (A4); therefore, the paper size for these two trays cannot be changed on this screen.

Paper Type Priority

1. Select **Paper Type Priority**.
2. Select a paper type from the list of items.
3. Select **Change Settings**.
4. Select the **Priority Number** from a list of **Auto, First** through **Eighth**.

Auto Size Detect

Standard-sized paper loaded in trays 3, 4, and optional 6 and 7 is automatically detected.

Customize Paper Settings

Select the features that are displayed about a paper in the Paper Supply screen (Copy feature).

1. From the Paper Tray Settings select **Customize Paper Supply** screen.
2. Select an item.
3. Select **Save** to close this screen and return to the Paper Tray Settings screen.

Paper Tray Attributes During Loading

When a paper tray is removed from the machine and then replaced, selecting **Disabled** or **Enabled** determines whether or not the tray change is displayed on the UI.

1. From the Paper Tray Settings select **Paper Tray Attributes During Loading**.
2. Select one of the following:
 - **Off**: If this feature is selected, then the UI does not display the paper tray attributes while you are loading paper in the tray.
 - **On**: If this feature is selected, the UI displays the paper tray attributes as you are loading paper into the tray
3. From the Paper Tray Settings screen, select **Paper Tray Priority**.

Paper Tray Priority

Set the paper tray priority sequence for automatic tray selection. Automatic tray selection means that a tray containing the appropriate paper is automatically selected by the machine for copying or printing.

System Settings

You can select paper trays 1-4 and optional 6 and 7. Tray 5 (Bypass) cannot be selected.

4. Select the item to be set or changed, and select **Change Settings**.
5. Select a Priority setting (First-Sixth) and assign a specific tray to that priority setting.

Note

Only one tray can be set to each priority.

6. Select **Save** to save the selections and return to the Paper Tray Priority screen.
7. Select **Close** to return to the Paper Tray Settings screen.

Paper Type Priority

Set the paper type priority sequence for automatic tray selection. This means that a tray containing the appropriate paper is automatically selected by the machine for copying or printing.

You can select from a variety of paper types including bond paper, plain paper, recycled paper, and side 2 paper.

Note

The paper type selections for this feature will vary depending on your machine and your work environment requirements, such as the types of paper you use most frequently.

Note

The paper type setting takes precedence over the tray priority sequence. If different paper types appear in the same priority sequence, the paper selection is determined by the tray priority sequence.

1. From the Paper Tray Settings screen, select **Paper Type Priority**.
2. Select the item to be set or changed, and select **Change Settings**.
3. Select the priority sequence for this paper type.
4. Select **Save** to save the setting and to return to the Paper Type Priority screen.
5. Select **Close** to return to the Paper Tray Settings screen.

Auto Tray Switching Control

Choose the auto tray switching method and how to copy mixed size documents.

1. From the Paper Tray Settings screen, select **Auto Tray Switching**.
2. Select the item to be set or changed, and select **Change Settings**.

Connectivity & Network Setup

In Connectivity & Network Setup, you select the default network settings by which the machine is connected and communicates to the client PCs and the parameters required for the communications between the machine and its networked clients.

Note

More detailed settings are available when using CentreWare Internet Services.

1. From the System Settings screen, select **Connectivity & Network Setup**.
2. Select the item to be set or changed.

Port Settings

Select the interface by which the machine is connected to the client. In Port Settings, you can set the following items:

LPD	Send E-mail
NetWare	E-mail Notification Service
SMB	UPnP Discovery
IPP	WSD
EtherTalk	Internet Services (HTTP)
Bonjour	SOAP
Port9100	WebDAV
SNMP	
FTP Client	

Protocol Settings

Select the parameters required for communications between the machine and client workstations. In Protocol Settings, you can set the following items.

Ethernet Rated Speed	IPv6 Address Manual Configuration
TCP/IP - IP Mode	Manually Configured IPv6 Address
IPv4 - IP Address Resolution	Manually Configured IPv6 Address Prefix
IPv4 - IP Address	Manually Configured IPv6 Gateway
IPv4 - Subnet Mask	IPv6 - DNS Server Setup
IPv4 - Gateway Address	Automatically Configured IPv6 Address
IPv4 - DNS Server Setup	IPv6 - IP Filter
IPv4 - IP Filter	

Proxy Server Settings

Select the Proxy Server Settings. In Proxy Server Settings, you can set the following items:

Use Proxy Server	HTTP Proxy Server Password
Proxy Server Setup	HTTPS Proxy Server Name

Addresses to Bypass Proxy Server	HTTPS Proxy Server Port Number
HTTP Proxy Server Name	HTTPS Proxy Server Authentication
HTTP Proxy Server Port Number	HTTPS Proxy Server Login Name
HTTP Proxy Server Authentication	HTTPS Proxy Server Password
HTTP Proxy Server Login Name	

Setting the option for Paper Tray Attributes During Loading

When a paper tray is removed from the machine and then replaced, selecting **Disabled** or **Enabled** determines whether or not the tray change displays on the screen.

1. Log in as the administrator.
2. Access the Tools tab on the UI.
3. Select **System Settings > Common Service Settings**.
4. Select **Paper Tray Settings**.
5. Select **Paper Tray Attributes During Loading**.
6. Select one of these two choices:
 - **Off:** When selected, the UI does not display the paper tray attributes while loading paper in a tray.
 - **On:** When selected, the UI displays the paper tray attributes while loading paper in a tray.
7. Select **Save**.
The Paper Tray Settings screen displays.
8. Select **Close**.
The main Tools tab screen displays.
9. Exit the administrator mode.

Paper Type Priority

Set the paper type priority sequence for automatic tray selection. This means that a tray containing the appropriate paper is automatically selected by the machine for copying or printing.

You can select from a variety of paper types including bond paper, plain paper, recycled paper, and side 2 paper.

Note

The paper type selections for this feature will vary depending on your machine and your work environment requirements, such as the types of paper you use most frequently.

Note

The paper type setting takes precedence over the tray priority sequence. If different paper types appear in the same priority sequence, the paper selection is determined by the tray priority sequence.

1. From the Paper Tray Settings screen, select **Paper Type Priority**.
2. Select the item to be set or changed, and select **Change Settings**.
3. Select the priority sequence for this paper type.
4. Select **Save** to save the setting and to return to the Paper Type Priority screen.
5. Select **Close** to return to the Paper Tray Settings screen.

Remote Authentication Server Settings

This feature sets the remote authentication server; a maximum of five servers can be set.

Note

This feature does not appear for some models. An optional package is necessary. For more information, contact our Customer Support Center.

1. Select **Connectivity & Network Setup > Remote Authentication Server Settings**.
2. Select **Remote Authentication Server Settings**.
3. Select **Authentication System Setup** and then **Change Settings**.
4. Select **Authentication System**.
5. You can select the system for authentication from **Kerberos (Windows2000)** or **Kerberos (Solaris), LDAP, SMB, or Authentication Agent**.

Kerberos Server Settings

1. Select **Kerberos Server Settings**.
2. Select a Kerberos Server.
3. Select **Change Settings**.
4. In Kerberos Server Settings, you can set the following items:
 - Primary Server Name/Address
 - Primary Server Port Number
 - Secondary Server Name/Address
 - Secondary Server Port Number
 - Domain Name
5. Repeat steps 1 through 4 for any additional servers.

SMB Server Settings

1. Select **SMB Server Settings**.
2. Select **SMB Server Setup**.
3. Select **By Domain Name** or **By Domain & Server Names/IP Address** and press **Save**.
4. Select an SMB Server.

5. Select **Change Settings**.
6. In SMB Server Settings, you can set the Domain Name and the Server Name/IP Address.
7. Repeat steps 1 - 6 for any additional servers.

Security Settings

SSL/TLS Settings

If this feature is enabled, data between the machine and networked computers can be encrypted using HTTP.

Use the following procedure to access and change the SSL/TLS Settings:

1. From the System Settings screen, select **Connectivity & Network Setup** and then select **Security Settings**.
2. Select **SSL/TLS Settings**.
3. Select the item to be set or changed, and select **Change Settings**.
4. Select the desired setting or enter the desired value.
5. Press **Save**.
6. Press **Close** to return to the Security Settings screen.

S/MIME Settings

Use the following procedure to access and change the S/MIME Settings:

1. From the Security Settings screen, select **S/MIME Settings**.
2. Select the item to be set or changed, and select **Change Settings**.
3. Select the desired setting or enter the desired value.
4. Press **Save**.
5. Press **Close** to return to the Security Settings screen.

PDF/XPS Signature Settings

Use the following procedure to access and change the PDF/XPS Signature Settings:

1. From the Security Settings screen, select **PDF/XPS Signature Settings**.
2. Select the item to be set or changed, and select **Change Settings**.
3. Select the desired setting or enter the desired value.
4. Press **Save**.
5. Press **Close** to return to the Security Settings screen.

IPSec Settings

Use the following procedure to access and change the IPSec Settings:

1. From the Security Settings screen, select **IPSec Settings**.
2. Select the item to be set or changed, and select **Change Settings**.
3. Select the desired setting or enter the desired value.

4. Press **Save**.
5. Press **Close** to return to the Security Settings screen.

IEEE 802.1x Settings

Use the following procedure to access and change the IEEE 802.1x Settings:

1. From the Security Settings screen, select **IEEE 802.1x Settings**.
2. Select the item to be set or changed, and select **Change Settings**.
3. Select the desired setting or enter the desired value.
4. Press **Save**.
5. Press **Close** to return to the Security Settings screen.

Certificate Revocation Retrieval Settings

Use the following procedure to access and change the Certificate Revocation Retrieval Settings:

1. From the Security Settings screen, select **Certificate Revocation Retrieval Settings**.
2. Select the item to be set or changed, and select **Change Settings**.
3. Select the desired setting or enter the desired value.
4. Press **Save**.
5. Press **Close** to return to the Security Settings screen.

Other Settings

Select specific settings relating to the paper used in the machine.

1. Select **Other Settings**.
2. Select the item to be set or changed, and select **Change Settings**.
3. Select the item to be changed.
4. Select **Save**.

FTP Server Login Name

The FTP Server Login Name feature allows you to enter in your FTP Server name via the keyboard on the machine UI screen.

FTP Server Password

The FTP Server Password feature allows you to enter in your FTP server password via the keyboard on the machine UI screen.

Print Service Settings

In Print Service Settings, you select settings that relate to the machine's memory and miscellaneous features, including tray substitution, paper type mismatch, printing a banner sheet, and more.

Note

When using CentreWare Internet Services, more detailed settings are possible.

Use the following procedure to access and change the various Print Mode Settings.

From the System Settings screen, select **Print Service Settings** and select the item to be set.

Allocate Memory

For each interface, you can select the memory capacity for the receiving buffer (temporary storage for data sent from the client). You can change the receiving buffer capacity depending on the pattern of use and purpose. Increasing the receiving buffer capacity may allow a client to be released sooner from an interface.

Tip

If you change the memory capacity settings, the memory is reset, and therefore data stored in all memory areas is lost.

Note

It is not possible to assign more than the total memory. When the power is turned on, if the settings exceed the available memory capacity, they are automatically adjusted by the system.

1. From the System Settings screen, select **Print Service Settings** and select **Allocate Memory**.
2. Select the item to be set or changed, and select Change Settings.
3. Select the desired value for that item.
4. Select Save.

Note

When a port is set to Disabled, the corresponding items that are associated with that port do not appear.

Note

Depending on the amount of data sent from the client, increasing the memory capacity may not change the amount of time that it takes to release the client.

PostScript Memory

Specify the memory capacity used for PostScript. Set a value from 8.00-96.00 MB, in 0.25 MB increments.

HP-GL/2 Auto Layout Memory

Specify the memory capacity used for HP-GL/2. Set a value from 64-5120 KB, in 32 KB increments.

Note

The maximum value that can be set for both the PostScript Memory and HP-GL/2 Auto Layout Memory options vary according to the available memory capacity.

Receiving Buffer - USB

Select a value from 64 KB through 1024 KB.

Receiving Buffer - LPD

- **Off:** When Off is selected, the machine will not use spooling. During the LPD print process for one client, data cannot be received over that same interface from a different client. Set a value for the dedicated LPD receiving buffer memory capacity from 1024-2048 KB, in 32 KB increments.
- **Memory Spool:** When selected, the machine will use spooling. The receiving buffer for spooling uses memory. When this candidate value is selected, set the memory capacity of the receiving buffer for spooling, from 0.50 MB to 32.00 MB, in 0.25 MB increments.

Note

Notice that print data exceeding the set memory capacity is not accepted. In such cases, select Hard Disk or Off.

- **Hard Disk Spool:** When selected, the machine will use spooling. The receiving buffer for spooling uses the hard disk.

Receiving Buffer - NetWare

Set the NetWare receiving buffer. Set a value from 64 to 1024 KB, in 32 KB increments.

Receiving Buffer - SMB Spool

- **Off:** When Off is selected, the machine will not use spooling. While SMB print processing is being carried out for one client, data cannot be received over the same interface from another client.

System Settings

Set a value for the dedicated SMB receiving buffer memory capacity from 64 to 1024 KB, in 32 KB increments.

- **Memory Spool:** When selected, the machine will use spooling. The receiving buffer for spooling uses memory. When this candidate value is selected, set the memory capacity of the receiving buffer for spooling from 0.50 MB to 32.00 MB, in 0.25 MB increments.

Note

Notice that print data exceeding the set memory capacity is not accepted. In such cases, select **Hard Disk** or **Off**.

- **Hard Disk Spool:** When selected, the machine will use spooling. The receiving buffer for spooling uses the hard disk.

Receiving Buffer - IPP Spool

- **Off:** When Off is selected, the machine will not use spooling. While IPP print processing is being carried out for one client, data cannot be received over the same interface from another client. Set a value for the dedicated IPP receiving buffer memory capacity from 64 to 1024 KB, in 32 KB increments.
- **Hard Disk:** When selected, the machine will use spooling. The receiving buffer for spooling uses the hard disk.

Receiving Buffer - EtherTalk

Set the EtherTalk receiving buffer. Set a value from 1024 to 2048 KB, in 32 KB increments.

Receiving Buffer - Port 9100

Set the Port9100 receiving buffer. Set a value from 64 to 1024 KB, in 32 KB increments.

Other Settings

Make settings relating to the paper used in the machine.

1. Select **System Settings** and then **Print Service Settings**.
2. Select **Other Settings**.
3. Select the item to be set or changed, and select **Change Settings**.
4. Select the item to be changed.
5. Select **Save**.

Substitute Tray

When there is no tray containing the paper size selected by the automatic tray selection, select whether or not to print replaced with paper loaded in another paper tray. In the event of using substitute tray, set the size.

- **Display Message:** Do not use substitute tray, but display a paper loading message.

- **Use Larger Size:** Replace with the next larger paper size than that selected, and print at the same size.
- **Use Closest Size:** Replace with the closest paper size to that selected, and print. If necessary, the printing is automatically reduced in size.

Note

If there is a client specification, the client specification takes precedence.

- **Select Tray 5 (Bypass):** Prints on the paper loaded in tray 5 (Bypass).

Paper Type Mismatch

Set the action to be taken when the paper type loaded in the paper tray does not match that specified.

- **Print:** Carry on printing, even if the paper type is different.
- **Display Confirmation Screen:** Show a confirmation screen, and prompt for action.
- **Display Paper Supply Screen:** This selection shows the Paper Supply screen when a paper type mismatch occurs.

Unregistered Forms

When a form specified for printing in a form data file (overlay printing) is not present on the host computer, select whether or not to print the job. If you select Print and the specified form is not present, only the data is printed.

This setting is added to the print settings menu when there is a print specification from the host computer.

Resume Job After Print Error

Select **Job Resumes Automatically** or **Resume by User**.

When Paper Jam Occurs

Select **Resume Job After Jam Clearance** or **Delete Job**.

Print User ID

When printing by a print driver, select whether or not to print the user authentication information to the paper for the purpose distinguishing the identity of the user. A maximum of 64 characters can be printed in the user ID information.

Select from one of the following: **Off**, **Top Left**, **Top Right**, **Bottom Left**, and **Bottom Right**.

Note

To use the ID Print feature, the User ID, set by the printer driver, is necessary beforehand. For the configuration procedure, refer to the online help for the printer driver.

Note

If the user ID information cannot be acquired, the words Unknown User are printed.

Sensing Separator Page

Select **Disabled** or **Enabled**.

Banner Sheet

Select whether or not the banner sheets will be used to separate different output jobs. Select one of the following:

- **Off:** Do not print banner sheets.
- **Start Sheet:** Print a banner sheet before a print job.
- **End Sheet:** Print a banner sheet after a print job.
- **Start Sheet & End sheet:** Print a banner sheet both before and after a print job.

Note

Even if the stapler feature is enabled, banner sheets are not stapled.

Note

On a print job from a Macintosh, the document name does not appear on the banner sheet.

Note

When printing banner sheets, they are counted for metering purposes.

Banner Sheet Tray

Select the paper tray from which the banner sheets are printed. Select one of the following trays: 1, 2, 3, 4, or optional 6 and 7.

Separator Tray

Select the paper tray from which separator pages are inserted from. Select one of the following trays: 1, 2, 3, 4, 5, 6, 7, and 8.

PostScript Paper Supply

Select whether or not to enable the PostScript DMS (Deferred Media Selection) feature. Select either **Auto** or **Select Paper Tray**.

PostScript Font Absence

Select how the machine will handle a specified PostScript font that is not loaded on the machine.

- **Cancel Printing:** This selection cancels the job without printing it.

- **Substitute Font and Print:** This selection continues printing the job and uses a substitute font in place of the missing font.

PostScript Font Substitution

When a PostScript font specified in a job is not present, select whether or not to use ATCx for the substitute font.

XPS Print Ticket Processing

The XPS (XML Paper Specification) Print Ticket feature processes the print ticket information written in XPS documents through the use of the Xerox ContentsBridge Utility. This utility enables printing for users who do not have the corresponding application on their Windows-XP based computer, to open the print job. The Xerox ContentsBridge Utility is a Windows-based software utility used to print files directly to a printer without having to open files. Select one of the following;

- **Off:** Selecting this option does not allow for print ticket processing.
- **Standard Mode:** This selection uses the standard mode of processing.
- **Compatible Mode:** This selection uses Microsoft-compliant mode to process print tickets.

Note

The Xerox ContentsBridge Utility can only be used for supported Xerox printers. All other brands will appear on your network, but will not be operable.

Note

The Xerox ContentsBridge Utility only supports the following file formats: .pdf, .tif, .tiff, .xdw, .ps, and .prn.

LPD Print Queue

LPD Print Queue is a platform-independent printing protocol that runs over TCP/IP. LPD (or Line Printer Daemon) refers to the process that accepts print jobs from the line printer daemon client (LPR client). This is analogous to the printer software and is often called LPD server.

The print server waits for the client to send a job. A print server may be capable of handling multiple printers and print queues at once. It usually has a single IP address; therefore the queue name must be used to specify the intended print queue. Select one of the following:

- **Data Process Order**
- **Job Submission Order**

Media Print Service Settings

When the optional USB Media Print kit is installed on the machine, you can import and print document files in PDF, TIFF, XML Paper Specification (XPS), or JPEG (JFIF) format.

Select the paper trays displayed for Paper Supply using Media Print Service Settings.

1. Press **Machine Status**.
2. Select the **Tools** tab.
3. Select **Media Print Service Settings** from the **Group** list.
4. Select an item to set or change.
5. Select **Change Settings**.
6. Select the desired **Tray Number** on the Text - Paper Supply window.
7. Select **Save**.
8. Select **Close**.

Disabling Media Print

1. In CenterWare Internet Services, click **Properties > Services > Media Print > General**.
2. Uncheck the box next to **Enabled**.
3. Select **Apply**.
4. Select **Reboot Machine**.

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Setup

In Setup Menu, you can create mailboxes and job flow, and create and update address book entries (mail scan).

From the System Settings screen, select **Setup** Menu and select the item to be created (or changed).

Paper Tray Attributes

Select the paper size and paper type that will be loaded in trays 1-4, tray 5 (bypass), and optional trays 6 and 7.

1. Select **Setup > Paper Tray Attributes**.
2. Select the item to be set or changed, and select **Change Settings**.
3. Select **Change Settings**.

7

Accounting and Authentication / Security Settings

Overview of the accounting and authentication features

Accounting

The Accounting feature provides metering (billing) of the various machine services, including Copy, Scan, and Print. This metering (billing) capability provides proper billing information and/or limits the number of usage for individual users/accounts.

After Accounting is enabled and configured, the user is required to enter a user ID and optionally a password in order to use a metered (billed) service. Whenever a user logs in and accesses one of the metered services, the machine tracks the number of metered jobs for that user.

Authentication

The Authentication/Security Settings feature restricts access to services on the machine as Copy, Scan, and Print. In addition, restriction to other services is available, such as Media Print - Text, Send from Folder, and more. Authentication/Security Settings also restricts access to the control panel buttons (**Services**, **Machine Status**, and **Job Status**) and to feature pathways (Print Files from Folder, Retrieve Files from Folder). By securing the machine, only registered users can access the various services and pathways.

After the Authentication/Security Settings feature is enabled and configured, the user is required to enter a user ID and password in order to access various services and pathways on the machine.

Tip

Both the Accounting and Authentication (Security) features may be accessed from the machine's UI or from CentreWare Internet Services. The CentreWare Internet Services information is located in a separate chapter of this guide.

Note

The Accounting and Authentication features generally work independently of each other, but there are instances when a change in one will affect the other. As an example, if you set **Authentication / Security Settings > Authentication > Login Type** to **Login to Local Accounts**, the **Local Accounting** option is automatically set for **Accounting > Accounting Type**. Only the administrator can set and control the Accounting.

Defining the components of the Authentication feature

Users managed by the Authentication feature

The following users are managed by **Authentication/Security Settings > Authentication**:

System administrator

The system administrator can register and change system settings according to the environments being used. A system administrator uses a special user ID.

Login user

A login user is someone who is registered on the machine or on a remote server. To use unrestricted services, a user ID and passcode must be entered.

Unregistered user

An unregistered user cannot use any of the restricted machine services.

Local user

This is a user who does not login to the machine.

User roles and authorization groups

When registering a user on the machine, the specific user role and an authorization group may be selected. This may be done for each user.

User roles

Three user roles are available:

- **User:** No special authority is given to this user.
- **Account Administrator:** The same authority as a system administrator EXCEPT for this person cannot manage folders or job flow sheets nor can this person change the system administrator passcode.
- **System Administrator:** This user has authority to create, delete, change (except for passcode), and view most user information; create, delete, change, and view accounting; change the alternative name for an account ID or mask account ID; and finally, print an auditor report for each user.

Authorization groups

The following four settings can be configured for each authorization group:

- **Restrict Recipient Selection Method:** Select whether or not to permit the group members to specify recipients when the Restrict Recipient Selection Method is set to Only From Address Book.
- **Restrict User to Edit Address Book:** Select whether or not to permit group members to edit the address book in the machine when the address book editing function is prohibited.
- **Allow User to Disable Active Settings:** Select whether or not to permit group members to disable active settings and still perform a job. Settings include Force Watermark, Force Secure Watermark, and Print Universal Unique ID. This setting enables users belonging to an authorization group to disable active settings from **Services Home > Tools**.
- **When Protection Code is Detected:** Select whether or not to temporarily allow the machine to process a job even if the machine detects a protection code on the original document.

Authentication > Login Type categories

Three categories of authentication are used depending on where user information is stored:

Login to Local Accounts

This option manages authentication based on the user information that is registered on the machine. This requires that **Authentication / Security Settings > Authentication > Login Type** is set to **Login to Local Accounts**, and that **Accounting > Accounting Type** is set to **Local Accounting**. A print job sent directly from a computer can be received on the machine after being authenticated by cross-checking the authentication information on the client's print driver with the information that is registered on the machine.

Login to Remote Accounts

Uses a remote authentication server to manage authentication. User information is not registered on the machine.

Note

A registered user ID on the remote authentication server can be a maximum of 32 characters, and the password a maximum of 128 characters. For SMB authentication, however, the password can be a maximum of 32 characters.

Xerox Secure Access

This is a system that uses a magnetic-card, IC (Integrated Circuit)-card, and biometrics systems for authentication. If prompted, users must enter their user information on the machine's control panel.

Authentication methods

The following authentication methods are available on the machine:

User ID authentication

This method requires users to enter their user IDs and passcodes with the numeric keypad or the touch screen of the machine UI. Authentication is performed with the user information that is registered on the machine or on a remote server.

The user ID authentication method is available with both **Authentication > Login Type > Login to Local Accounts** and with **Authentication > Login Type > Login to Remote Accounts**.

- **Login to Local Accounts:** Authentication is managed by using the information registered on the machine for each user. A print job sent directly from a computer can be received on the machine after being authenticated by cross-checking the authentication information on the client's print driver with the information that is registered on the machine.
- **Login to Remote Accounts:** Authentication is managed by a remote server, and user information is not registered locally on the machine.

Combination of smart card and user ID authentication

Authentication is performed by obtaining the user ID card information and validating it against the registered card information on the machine or remote server.

Accounting Type categories

Accounting Type allows the administrator to enable or disable the Accounting feature and to specify the types of jobs that require account management. The following Accounting Type categories are available on the machine:

Local Accounting

This option performs account administration locally on the machine and by using the login information for all registered users. Account administration includes maintaining a total of all account limits for each user; this includes copy, scan, and print. The system administrator may print auditor reports for one, multiple, or all users.

Xerox Standard Accounting

This option is similar to Local Accounting in that it performs account administration with the user and account information that is registered on the local machine. Account administration includes maintaining a total of all account limits for each user; this includes copy, scan, and print. The system administrator may print auditor reports for one, multiple, or all users.

The relationship between Authentication > Login Type and Accounting > Accounting Type

The following table describes how the **Authentication > Login Type** and **Accounting > Accounting Type** features work each other and how they can be combined.

Authentication > Login Type	Accounting > Accounting Type			
	Accounting Dis- abled	Local Account- ing	Network Ac- counting	Xerox Standard Accounting
No Login Required	Available Note This is the default setting.	Not available	Available	Available

Authentication > Login Type	Accounting > Accounting Type			
	Accounting Dis-abled	Local Account-ing	Network Ac-counting	Xerox Standard Accounting
Login to Local Ac-accounts	Not available	Available	Available	Available
Login to Remote Accounts	Available	Not available	Not available	Not available

Services controlled by the Authentication feature

The following tables describe the features that are controlled by the Authentication feature. Restricted features vary depending on how the machine is used. Some restrictions may be set for the individual user, while other restrictions can be set for the entire machine.

Services restricted by user ID authentication

The user ID authentication method requires a person to login with their user ID. The services restricted by authentication and accounting may differ depending on the combination selected for the **Authentication > Login Type** and **Accounting > Accounting Type** features.

Table 1. When these options are set/enabled: **Authentication > Login Type > Login to Local Accounts** and **Accounting > Accounting Type > Local Accounting**

Services	Authentication re-quired: Yes/No	Restrictions per user		
	User ID	Feature restric-tions ¹	Account lim-it ²	Usage count (per user)
Copy	Yes	Available	Available	Available
Print	Yes	Available	Available	Available
Charge Print, Private Charge Print	Yes	Available	Available	Available
Scan	Yes	Available	Available	Available

¹Selecting the features that are available for each user is done when creating/editing a user account.

²The machine stops operation when the user's account limit reaches the maximum limit set for a feature (copy, scan, print).

Table 2. When these options are set/enabled: Authentication > Login Type > Login to Local Accounts and Accounting > Accounting Type > Network Accounting

Services	Authentication required: Yes/No	Restrictions per user		
	User ID	Feature restrictions ¹	Account limit	Usage count (per user)
Copy	Yes	Available	Not applicable	Not applicable
Print	Yes	Available	Not applicable	Not applicable
Charge Print, Private Charge Print	Yes	Available	Not applicable	Not applicable
Scan	Yes	Available	Not applicable	Not applicable

¹Selecting the features that are available for each user is done when creating/editing a user account.

Table 3. When Authentication > Login Type > Login to Remote Accounts is set/enabled

Services	Authentication required: Yes/No	Restrictions per user		
	User ID	Feature restrictions ¹	Account limit	Usage count (per user)
Copy	Yes	Available	Not applicable	Not applicable
Print	Yes ²	Available	Not applicable	Not applicable
Charge Print, Private Charge Print	Yes	Available	Not applicable	Not applicable
Scan	Yes	Available	Not applicable	Not applicable

¹Selecting the features that are available for each user is done when creating/editing a user account.

²With Login to Remote Accounts set/enabled, the Print service cannot be restricted. To restrict print operations, use either Charge Print or Private Charge Print.

Table 4. When these options are set/enabled: Authentication > Login Type > Login to Local Accounts and Accounting > Accounting Type > Xerox Standard Accounting

Services	Authentication required: Yes/No	Restrictions per user		
	User ID	Feature restrictions ¹	Account limit ²	Usage count (per user)
Copy	Yes	Available	Available	Available
Print	Yes	Available	Available	Available
Charge Print, Private Charge Print	Yes	Available	Available	Available
Scan	Yes	Available	Available	Available

¹Selecting the features that are available for each user is done when creating/editing a user account.

²The machine stops operation when the user's account limit reaches the maximum limit set for a feature (copy, scan, print).

Services restricted by the combination of smart card and user ID authentication

The smart card and user ID authentication method requires a person to use their smart card or enter their smart card information before using the machine services. The services restricted by authentication and accounting may differ depending on the combination selected for the **Authentication > Login Type** and **Accounting > Accounting Type** features.

Table 5. When these options are set/enabled: Authentication > Login Type > Login to Local Accounts and Accounting > Accounting Type > Local Accounting

Services	Authentication		Restrictions per user		
	User ID required: Yes/No	Smart card ¹ required: Yes/No	Feature restrictions ²	Account limit ³	Usage count (per user)
Copy	Not applicable	Yes	Available	Available	Available
Print	Yes	Not applicable	Available	Available	Available
Charge Print, Private Charge Print	Not applicable	Yes	Available	Available	Available
Scan	Not applicable	Yes	Available	Available	Available

¹The user ID on the card is checked against the user ID that is registered on the machine, and authentication is verified accordingly.

²Selecting the features that are available for each user is done when creating/editing a user account.

³The machine stops operation when the user's account limit reaches the maximum limit set for a feature (copy, scan, print).

Table 6. When these options are set/enabled: Authentication > Login Type > Login to Local Accounts and Accounting > Accounting Type > Network Accounting

Services	Authentication		Restrictions per user		
	User ID required: Yes/No	Smart card ¹ required: Yes/No	Feature restrictions ²	Account limit	Usage count (per user)
Copy	Not applicable	Yes	Available	Not applicable	Not applicable
Print	Yes	Not applicable	Available	Not applicable	Not applicable
Charge Print, Private Charge Print	Not applicable	Yes	Available	Not applicable	Not applicable
Scan	Not applicable	Yes	Available	Not applicable	Not applicable

¹The user ID on the card is checked against the user ID that is registered on the machine, and authentication is verified accordingly.

²Selecting the features that are available for each user is done when creating/editing a user account.

Table 7. When Authentication > Login Type > Login to Remote Accounts is set/enabled

Services	Authentication		Restrictions per user		
	User ID required: Yes/No	Smart card ¹ required: Yes/No	Feature restrictions ²	Account limit	Usage count (per user)
Copy	Yes	Yes	Available	Not applicable	Not applicable
Print ³	Yes	Not applicable ³	Available	Not applicable	Not applicable
Charge Print, Private Charge Print	Yes	Yes	Available	Not applicable	Not applicable
Scan	Yes	Yes	Available	Not applicable	Not applicable

¹The user ID on the card is checked against the user ID that is registered on the machine, and authentication is verified accordingly.

²Selecting the features that are available for each user is done when creating/editing a user account.

³With Login to Remote Accounts set/enabled, the Print service cannot be restricted. To restrict print operations, use either Charge Print or Private Charge Print.

Common access card (CAC) authentication

The common access card (CAC) authentication is part of a Department of Defense initiative to increase the security of its facilities and critical information through the use of smart identification cards. Eventually all department employees will use CAC cards to gain access to computers, networks, and buildings. In many cases, the department is requesting that same level of authentication at the printer level as well. When enabled on the printer, Department of Defense employees need to use their CAC card to access the machine to scan or copy documents, providing greater security and management of their machines.

Xerox CAC Enablement software supports a number of card readers and allows users to authenticate at the machine. The card is connected to a USB port on the printer.

Refer to the Xerox Smart Card Installation Guide for a comprehensive explanation of how to install and configure the Smart Card solution.

Supported card types

The CAC solution is compatible with most common CAC card types listed below. Other card types may function with the CAC/PIV ID system but they have not been validated.

- Axalto Pegasus 64K/V2
- Axalto Cyberflex 32K/V1
- Axalto Cyberflex 64K/V2
- Gemplus GemXpresso 64K/V2
- Oberthur 72K/V2
- Oberthur CosmopoIIC 32K/V1
- Oberthur D1 72K / V2 (contact-less and PIV)
- Gemalto 72K PIV ENDPOINT
- Gemalto 128K PIV ENDPOINT
- Gemalto 144K PIV ENDPOINT

Supported card readers

The following card readers are compatible with the CAC ID system.

- Gemplus PC USB SL Reader
- Omni 3021/3121
- SCM Micro SCR3310

Note

Other USB CCID compliant readers may function with the CAC ID system, but have not been validated.

Requirements

The Common Access Card requires the USB Enablement Kit Software Option.

Disabling CAC

1. In CentreWare Internet Services, select **Properties > Security > Authentication Configuration**.
2. At Login Type, select ***No Login Required**.
3. Select **Apply**.
4. Select **Reboot Machine**.

Tools > Accounting

After Accounting is enabled, the following features are available:

Create/View User Accounts

Use this feature to create new accounts or to edit or view existing accounts. Accounts may also be deleted as required. With this option, the following options are available:

- **User ID:** Create new user ID or edit an existing one. A maximum of 32 characters is allowed for the user ID.
- **User Name:** If desired, an optional user name may be created. This user name is associated with the user ID. A maximum of 32 characters is allowed for the user name.
- **Passcode:** Create/edit a passcode. For security purposes, it is strongly recommended that a passcode is set for the account. The passcode may be 4-12 digits (numbers only).
- **Account Limit:** Set the restrictions on the account and the maximum number of pages allowed for the Copy, Scan, and Print functions. The **Free Access** option allows unrestricted access to the feature.
- **Email Address:** This is the email address of the user (optional).
- **User Role:** If desired, select the user role for the account. Choices include **User**, **System Administrator**, and **Account Administrator**.
- **Reset Account:** Use this option to delete all the registered information for the selected user. Once deleted, the data cannot be retrieved.
- **Reset Total Impressions:** This option resets the current cumulative number of pages for the selected user and returns the total to zero.

Reset User Accounts

This feature deletes all registered information for all the registered users simultaneously or resets all the auditron data (such as account limits and total impressions). The following options are available:

- **All User Accounts:** This option deletes all the information registered for each user. It also deletes all data including the maximum number of pages, cumulative number of pages, and printer auditron data.
- **All Feature Access Settings:** This option resets the feature access limit for all users.
- **All Account Limits:** This option resets the maximum number of pages for all users to the default (9,999,999) pages.
- **Total Impressions:** This option resets all accounting data for all users, including the system administrator. The number of pages also is reset to zero.
- **All Authorization Groups:** This option unlinks users from authorization groups and links those users to the default authorization group.
- **Meter (Print Jobs):** This option resets all printer auditron data and automatically deletes the registered job owner names. The number of pages is reset to zero.
- **Print the Meter Report:** Use this option to print a meter report in order to check the counters for all accounts before they are reset or deleted.
- **Print the Auditron Report:** Use this option to print a report that includes the contents of all the registered information for all accounts or to print a report that includes the administration data contents. This provides a detailed account before resetting any user accounts.
- **Reset:** Use this option to delete or reset the data for a selected item only.

System Administrator's Meter (Copy Jobs)

Use this feature to check or reset the total impressions copied when logged on as System Administrator.

Accounting Type

Use this feature to enable/disable the accounting mode and/or to select the desired accounting method; options include:

- **Accounting Disabled**
- **Local Accounting**
- **Network Accounting**
- **Xerox Standard Accounting**
- **Auditron Mode:** Use this option to set the auditron feature for these services: Copy, Scan to PC, E-mail, Store to USB, Store to WSD, Print, and Media Print - Text.
- **Verify User Details:** Use this option to set whether or not to verify user information.
- **Customize User Prompts:** Use this option to set the type of user information used for authentication.

Accounting Login Screen Settings

Use this feature to configure the various accounting settings including:

- **Alternative Name for User ID:** If required, use this option to change the alias that appears on the login screen. The default alias is UserID. If desired, it can be changed to User Name or Number. The alias can be 1-15 characters in length. This is a global change for the entire machine.
- **Mask User ID (***):** Use this option to set how the user ID is shown or hidden on the screen. If **Hide** is selected, the characters are displayed as a row of asterisks (*****).
- **Alternative Name for Account ID:** If required, use this option to change the indication of Account ID on the login screen to the desired words of choice, such as Account Name or Account Number. The name may be 1-15 characters in length.
- **Mask Account ID (***):** Use this option to set how the account ID is shown or hidden on the screen. If **Hide** is selected, the characters are displayed as a row of asterisks (*****).
- **Show User Details:** Use this option to set the destination of where to save the authentication information. Select either **NVM** or **Hard Disk**.

Note

This option is available when the Accounting Type is set for Network Accounting.

Enabling and using Accounting

1. Press the **Log In/Out** button on the control panel.

The UI displays a keypad.

2. Type the system administrator ID.

The default ID is **admin**, and the default password is **1111**.

3. Select **Enter**.
4. Press the **Machine Status** button on the control panel.
5. Select the **Tools** tab on the UI.

The UI displays the System Settings screen.

6. Select **Accounting**.
7. Select the desired **Accounting Type**; choices include:

- Local Accounting
- Network Accounting
- Xerox Standard Accounting

Select **Save** and return to the Accounting window.

8. Continue to select other desired Accounting features and options:
 - Create/View User Accounts: details provided in a separate procedure; refer to that procedure
 - Reset User Accounts

- System Administrator's Meter (Copy Jobs)
- Accounting Login Screen Settings

After selecting the desired feature/option, follow the UI instructions for setting/selecting and saving the desired options.

9. Select **Close** repeatedly until the main Tools screen is displayed.
10. To exit the administrator mode, press the **Log In/Out** button on the control panel.
The UI displays the Logout screen.
11. Select **Logout**.

Create/view/edit a user account (Tools > Accounting)

Note

The following procedure is presented using the Accounting menu screens, but this same process is also performed using the Authentication/Security Settings menu screens.

1. Press the **Log In/Out** button on the control panel.
The UI displays a keypad.
2. Type the system administrator ID.

The default ID is **admin**, and the default password is **1111**.
3. Select **Enter**.
4. Press the **Machine Status** button on the control panel.
5. Select the **Tools** tab on the UI.
The UI displays the System Settings screen.
6. Select **Accounting**.
7. Select **Create/View User Accounts**.
8. From the Create/View User Accounts screen, perform one of the following to select a user account:
 - To create a new account, select an available (not used) account, or
 - To edit a previously created account, select the desired one from the displayed list.
9. Select the **Create/Delete** button.
 - If creating a new account, use the numeric keypad, enter a four-digit number from 0001 to 1000, which corresponds to the unused account. The entered number displays in the Go To field. Select the Create/Delete button; the User ID screen displays.
 - If editing a previously created account, continue to the next step.
10. Select the **Logon** button.
The logon screen appears.
11. Using the keypad, enter a Logon of up to 32 characters and select **Save**.
The Account Create/Delete screen is displayed.
12. Select the **User Name** button.

The User Name screen appears.

13. Using the keypad, enter a User Name of up to 32 characters and select **Save**.
The Account Create/Delete screen is displayed.
14. Select **Account Limit**.
The Account Limit screen displays.
15. Select the **Copy, Scan** or **Print Service** button to set account limits.
16. Select **Change Account Limit**.
17. Enter the maximum number of pages using numeric keypad and select **Save**.
The Account Limit screen displays.
18. Select **Feature Access**.
19. Select the type of feature access you want to allow the user.
20. Select **Save**.
The Account Limit screen is displayed.
21. Select **Close**.
The Account Create/Delete screen is displayed.
22. Review the user account information and modify if required.
23. Select **Close** repeatedly until the main Tools screen is displayed.
24. To exit the administrator mode, press the **Log In/Out** button on the control panel.
The UI displays the Logout screen.
25. Select **Logout**.

Tools > Authentication / Security Settings

Authentication/Security Settings includes the following features:

System Administrator Settings

This group includes these two features: **System Administrator's Login ID** and **System Administrator's Passcode**. Select these individual features to set or change the system administrator user ID and passcode.

Authentication

This group includes these options: Login Type, Access Control, Create/View User Accounts, Reset User Accounts, Create Authorization Groups, User Details Setup, Maximum Login Attempts, Passcode Policy

Allow User to Disable Active Settings

Use this feature to allow privileged users to temporarily disable certain active settings such as Force Watermark and Universal Unique ID that have been enabled by the system administrator to be applied to all jobs.

Select Disable Active Settings to temporarily disable the active settings before running a job. At the end of the job, return to this screen and select Enable Active Settings. Otherwise the settings automatically become active when a job session is ended and logged out.

Job Status Default

Use this feature to hide active jobs, completed jobs, and job logs from unauthenticated users or non-job owners. This protects privacy and prevents potential security leaks of confidential information.

Overwrite Hard Disk

Use this feature to perform a hard disk overwrite process. If this option is on, you can select whether to overwrite one time or three times.

Enabling and using Authentication / Security Settings

1. Press the **Log In/Out** button on the control panel.
The UI displays a keypad.
2. Type the system administrator ID.

The default ID is **admin**, and the default password is **1111**.
3. Select **Enter**.
4. Press the **Machine Status** button on the control panel.
5. Select the **Tools** tab on the UI.
The UI displays the System Settings screen.
6. Select **Authentication/ Security Settings**.
7. Select **Authentication**.
8. Select **Login Type**.
 - a) Select the desired login type. The default is **No Login Required**.
 - b) Select **Save**.
9. Select **Access Control**.
 - a) Select the desired **Device Access**, **Service Access**, and **Feature Access**.
 - b) Select **Close** after selecting a setting for each access option.
10. Continue to select other desired Authentication options:
 - Create/View User Accounts: details provided in a separate procedure; refer to that procedure
 - Reset User Accounts
 - Create Authorization Groups: refer to separate procedure
 - User Details Setup

- Maximum Login Attempts
- Passcode Policy

After selecting the desired option, follow the UI instructions for setting/selecting and saving the desired options.

11. Continue to select other desired Authentication / Security Setting features and options:

- Allow Users to Disable Active Settings
- Job Status Default
- Overwrite Hard Disk: refer to separate procedure

After selecting the desired feature/option, follow the UI instructions for setting/selecting and saving the desired features/options.

12. Select **Close** repeatedly until the main Tools screen is displayed.

13. To exit the administrator mode, press the **Log In/Out** button on the control panel.

The UI displays the Logout screen.

14. Select **Logout**.

System Administrator Settings

This group includes these two features:

System Administrator's Login ID

Select this feature to set or change the system administrator login (user) ID.

System Administrator's Passcode

Select this individual feature to set or change the system administrator passcode.

The default administrator user ID is **admin**, and the default passcode is **1111**.

Note

It is strongly recommended that a new login ID and passcode is set in order to prevent users from making unauthorized changes and to ensure system security.

Selecting the System Administrator Settings

1. Press the **Log In/Out** button on the control panel.

The UI displays a keypad.

2. Type the system administrator ID.

The default ID is **admin**, and the default password is **1111**.

3. Select **Enter**.

4. Press the **Machine Status** button on the control panel.

5. Select the **Tools** tab on the UI.

The UI displays the System Settings screen.

6. Select **Authentication/Security Settings > System Administrator Settings**.

7. Select **System Administrator's Login ID**.

The System Administrator's Login ID screen is displayed.

8. Select **On**.
9. Select **Keyboard**, then in the New System Administrator's Login ID entry field, type a system administrator ID.
10. Select **Save**.
You must reenter the login ID information a second time.
11. Select **Keyboard** once more, and in the Re-enter System Administrator's Login ID field, type the same system administrator ID.
12. Select **Save**.
13. Select **System Administrator's Passcode**.
14. Select **New Passcode**.
15. Type the new password from 4-12 numeric digits in the New Passcode field.
16. Select **Save**.

Note

To set no passcode, leave the passcode blank, and select Save.

17. Select **Retype Passcode**.
18. In the **Retype Passcode** field, retype the same password.
19. Select **Save**.
20. If required, select **Close** until the main Tools screen is displayed.
21. To exit the administrator mode, press the **Log In/Out** button on the control panel.
The UI displays the Logout screen.
22. Select **Logout**.

Authentication

This group includes the following features:

Login Type

Choices include **No Login Required**, **Login to Local Accounts**, **Login to Remote Accounts**, and **Xerox Secure Access**.

Access Control

Use this feature to select the desired machine restriction options for each service or device. Choices include:

- **Device Access:** Use this option to restrict the operation of the control buttons. Select either **Unlocked** or **Locked**.
- **Service Access:** Use this option to restrict access to each of the Services, including Copy, Scan, Print, Media Print - Text, Send from Folder, Stored Programming, Job Flow Sheets, and Web Applications.

Create/View User Accounts

Use this feature to create new accounts or to edit or view existing accounts. Accounts may also be deleted as required. With this option, the following options are available:

- **User ID:** Create new user ID or edit an existing one. A maximum of 32 characters is allowed for the user ID.
- **User Name:** If desired, an optional user name may be created. This user name is associated with the user ID. A maximum of 32 characters is allowed for the user name.
- **Passcode:** Create/edit a passcode. For security purposes, it is strongly recommended that a passcode is set for the account. The passcode may be 4-12 digits (numbers only).
- **Account Limit:** Set the restrictions on the account and the maximum number of pages allowed for the Copy, Scan, and Print functions. The **Free Access** option allows unrestricted access to the feature.
- **Email address:** This is the email address of the user.
- **User Role:** If desired, select the user role for the account. Choices include **User**, **System Administrator**, and **Account Administrator**.
- **Reset Account:** Use this option to delete all the registered information for the selected user. Once deleted, the data cannot be retrieved.
- **Reset Total Impressions:** This option resets the current cumulative number of pages for the selected user and returns the total to zero.

Reset User Accounts

This feature deletes all registered information for all the registered users simultaneously or resets all the auditron data (such as account limits and total impressions). The following options are available:

- **All User Accounts:** This option deletes all the information registered for each user. It also deletes all data including the maximum number of pages, cumulative number of pages, and printer auditron data.
- **All Feature Access Settings:** This option resets the feature access limit for all users.
- **All Account Limits:** This option resets the maximum number of pages for all users to the default (9,999,999) pages.
- **Total Impressions:** This option resets all accounting data for all users, including the system administrator. The number of pages also is reset to zero.
- **All Authorization Groups:** This option unlinks users from authorization groups and links those users to the default authorization group.
- **Meter (Print Jobs):** This option resets all printer auditron data and automatically deletes the registered job owner names. The number of pages is reset to zero.
- **Print the Meter Report:** Use this option to print a meter report in order to check the counters for all accounts before they are reset or deleted.
- **Print the Auditron Report:** Use this option to print a report that includes the contents of all the registered information for all accounts or to print a report that includes the administration data contents. This provides a detailed account before resetting any user accounts.
- **Reset:** Use this option to delete or reset the data for a selected item only.

Create Authorization Groups

Use this feature to give login users authority to use some features that are they are normally restricted from using. The login users may be divided into different authorization groups, and a maximum of twenty groups may be created and registered. Options include:

- **Group Name:** Enter a new or edit an existing group name. A maximum of 32 characters is allowed.
- **Restrict Recipient Selection Method:** Select either **Always Apply Restriction** or **No Restriction**. This option may not be available on some configurations.
- **Restrict User to Edit Address Book:** Select whether or not to allow a user to edit the address book. Normally the address book is restricted to read access only, and users cannot edit the address book.
- **Allow User to Disable Active Settings:** Select either **Allow** or **Do Not Allow**. The **Allow** selection permits the group members to disable the certain features during their user sessions (for example Force Secure Watermark). This option may not be available on some configurations.
- **When Protection Code is Detected:** Select either **Delete Job Automatically** or **Allow Job to Resume**. The **Allow Job to Resume** selection temporarily allows the machine to process a job even if the machine detects a protection code on the original document. This option may not be available on some configurations.

User Details Setup

This feature allows you to configure the settings for user ID authentication. Options include the following:

- **Alternative Name for User ID:** If required, use this option to change the alias that appears on the login screen. The default alias is UserID. If desired, it can be changed to User Name or Number. The alias can be 1-15 characters in length. This is a global change for the entire machine.
- **Mask User ID (***):** When you select **Show**, the characters you enter display on the screen as you enter the User ID. When you select **Hide**, the characters you enter display as asterisks on the screen as you enter the User ID.
- **Failed Access Log:** Set the failure count to detect unauthorized access. An error is logged if authentication fails the number of times specified here within a predetermined time.
- **Logout Confirmation Screen:** Set whether or not to display a logout confirmation screen every time a user session ends.
- **User ID for Login:** Set whether or not to make the User ID entry field on the User Login screen case-sensitive. When you select **Case Sensitive**, authentication is performed using the User ID as registered (including upper and lower cases). When you select **Non Case Sensitive**, authentication is performed with case ignored even if the User ID has both upper and lower cases.

Note

Do not change the setting while a file is stored for the Private Charge Print. Otherwise, you may encounter problems, such as the inability to print. Change the setting after the machine prints all the stored files.

- **Smart Card Link Mode:** Set whether or not to require a passcode for Smart Card authentication.
- **Smart Card Certificate Verification:** Set whether or not to verify the Smart Card Certificate when a user uses the Smart Card. When **Enabled** is selected, the owner of the Smart Card is verified by a combination of PIN code verification, verification of the Smart Card, and private key match. When **Disabled** is selected, the owner of the Smart Card is verified by PIN code verification.
- **Smart Card Logout Timing:** Select the logout method for Smart Card authentication when a Smart Card that does not require physical contact is used for authentication. When **Log Out when Card is Removed** is selected, you can log out from the machine by removing the Smart Card from the Smart Card Reader. When **Log Out from Control Panel** is selected, you can log out by operating the touch screen or control panel.
- **Save remote accounts in this machine:** Select whether or not to save the registered user information on the machine. This option allows the local machine to authenticate users even when the remote server is offline.

Note

This option only applies to users who are authenticated by smart cards.

- **Delete Remote Accounts:** Select whether or not to delete remote user information that is saved to the machine.

Note

This option only applies to users who are authenticated by smart cards.

Maximum Login Attempts

This feature protects the settings from being changed by someone impersonating the system administrator. If the administrator's authentication fails for more than a specified number of continuous times, access is denied. Select between 1-10 for the number of maximum login attempts.

Passcode Policy

Select whether or not a passcode is required when a user or the administrator uses the machine. This feature is used for entry through the machine's control panel. When using remote devices, such as CentreWare Internet Services, a passcode must ALWAYS be entered. A passcode must be 4-12 digits.

[Create/view/edit a user account \(Authentication / Security Settings > Authentication\)](#)

1. Log in as the administrator.
2. Access the Tools tab on the UI.

3. Select **Authentication/Security Settings > Authentication**.
4. Select **Create/View User Accounts**.
5. From the Create/View User Accounts screen, perform one of the following to select a user account:
 - To create a new account, select an Available account (one that is not in use), or
 - To edit a previously created account, select the desired one from the displayed list.
6. Select the **Create/Delete** button.
 - If creating a new account, use the numeric keypad, enter a four-digit number from 0001 to 1000, which corresponds to an Available account. The entered number displays in the Go To field. Select the Create/Delete button; the User ID screen is displayed.
 - If editing a previously created account, continue to the next step.
7. Select **Ok**.
8. Using the keypad, enter a User ID of up to 32 characters and select **Save**.
The Account Create/Delete screen is displayed.
9. Select the **User Name** button.
The User Name screen appears.
10. Using the keypad, enter a User Name of up to 32 characters and select **Save**.
The Account Create/Delete screen is displayed.
11. Select **Account Limit**.
The Account Limit screen is displayed.
12. Select the **Copy, Scan or Print Service** button to set account limits.
13. Select **Change Account Limit**.
14. Enter the maximum number of pages using numeric keypad and select **Save**.
The Account Limit screen is displayed.
15. Select **Feature Access**.
16. Select the type of feature access you want to allow the user.
17. Select **Save**.
The Account Limit screen is displayed.
18. Select **Close**.
The Account Create/Delete screen is displayed.
19. Review the user account information and modify if required.
20. Select **Close**.
The Create/View User Accounts screen is displayed.
21. Select **Close**.
The main Tools tab screen displays.
22. Exit the administrator mode.

Creating/editing an authorization group

1. Log in as the administrator.
2. Access the Tools tab on the UI.
3. Select **Authentication/Security Settings > Authentication > Create Authorization Groups**.
4. Select an item from the Group Name area (either an already existing group or a (No Name) group to create a new one).
5. Select **Create/Delete**.
6. Select the **Group Name** item.
 - a) Select **Change Settings**.
 - b) Enter a group name (a new one or edit an existing name).
 - c) Select **Save**.
7. Select the next item to be set or changed.
 - a) Select **Change Settings**.
 - b) Make the appropriate selection for the group.
 - c) Select **Save**.
The Authorization Group window displays.
8. Repeat the previous steps for any other desired group options and then select **Close** until the **Tools** tab displays.
9. Exit the administrator mode.

Overwrite Hard Disk

To ensure that image data on the machine's hard drive cannot be accessed, you can delete and overwrite the image data. Image data is all user data that is currently in process or temporary user data on the hard drive; this includes current jobs, queued jobs, temporary scan jobs, and completed jobs. Select whether or not to perform a hard disk overwrite process. Options include:

Number of Overwrites

Select the number of times to overwrite the hard disk data. Select between 1-3 times.

After deleting data from the hard disk, the area on the hard disk where the data was stored is overwritten. This prevents unauthorized retrieval or restoration of the previously recorded data. This applies to files and other information stored temporarily by the system.

Tip

Carefully read the following information:

- If the machine is powered off during the overwriting process, some files may remain on the hard disk.
- The data on the hard disk is erased by overwriting it one time. However, overwriting the data three times ensures that the data cannot be recovered. The three times overwrite process does take a longer amount of time to perform than the one time overwrite process.
- During the overwriting process, normal operations may run slower than normally.

Schedule Image Overwrite

Select a schedule, recurring time to overwrite the hard disk data. Selections include:

- **Disable**
- **Daily**
- **Weekly**
- **Monthly**

Run Image Overwrite

Select this option to immediately run a hard disk overwrite.

Performing an overwrite of the machine's hard disk data

1. Log in as the administrator.
2. Access the Tools tab on the UI.
3. Select **Authentication/Security Settings**.
4. Select **Overwrite Hard Disk**.
5. Select **Number of Overwrites**.
6. Select one of the following choices:
 - **Off**
 - **1 Overwrite**
 - **3 Overwrites**
7. Select **Save**.
8. To perform an immediate hard disk overwrite, select **Run Image Overwrite**.
 - a) Select **Start** to begin the overwrite process.
 - b) When prompted, select **Yes** to confirm.

The data on the hard disk is deleted. While the data is being deleted, the printer will be offline. The printer will restart when the process is completed.

9. To schedule a recurring time for overwriting the hard disk data, select **Scheduled Image Overwrite**. Choices include:
 - **Disable**
 - **Daily**
 - **Weekly**
 - **Monthly**
10. Select **Save**.
The main Tools tab screen displays.
11. Exit the administrator mode.

8

Using CentreWare Internet Services for Accounting and Authentication / Security

CentreWare Internet Services enables you to display, configure and change settings of the machine by using a web browser instead of the machine's control panel.

A System Administrator can manage how users access the machine by selecting from similar accounting and authentication accounting that are available through the control panel.

Accounting with CentreWare

Local Accounting

Local Accounting tracks the number of copy, print, and scan jobs for each user who logs in to the printer. You can then generate reports listing usage data for individual users and groups.

Configuring Local Accounting

1. In CentreWare IS, click **Properties** > **Accounting** > **Accounting Configuration**.
2. Next to Accounting Type, select **Local Accounting**.
3. Select **Enabled** next to the features that you want to track.
4. Next to Verify User Details, select **Yes** to authenticate users at the control panel. Local authentication must be configured.
5. Next to Verify User Details for Printer Jobs, select **Yes** to authenticate users at the control panel. Local authentication must be configured.

6. Next to Customize User Prompts, select how you want to prompt users for their credentials.
7. Click **Reboot Machine**.
8. Refresh your browser and navigate back to the Accounting Configuration page.
9. Click **Next**.
10. To set up an account, next to Account Number, type the number of the account you want to edit (1-1000), and click **Edit**.
11. Type a User ID and a Name for the new user.

Note

Each User ID and Name must be unique.

12. Under Feature Access, select the features that the user is allowed to access.
13. Under Impressions / Limits, type the maximum number of impressions or sent images that the user can produce. The maximum number of impressions or images sent is 16,000,000.
 - Black Copied Impressions includes all black and white copies.
 - Color Scanned Images includes all color scanned images.
 - Black Scanned Images includes all black scanned images.
 - Black Printed Impressions includes all black and white documents printed from a computer using the print driver.

Note

- Cover sheets and banner sheets are counted as impressions.
 - If the printer is set to print a scan confirmation report these documents are counted towards the user's limit.
14. Under User Role, select **System Administrator, Account Administrator, or User**.
 15. To add the user to a group, next to Add This User to Authorization Group, select the group.
 16. Click **Apply**.

Resetting Access and Usage Limits for All Users

1. In CentreWare IS, click **Properties > Accounting > Accounting Configuration**.
2. Click **Next**.
3. Next to All User Accounts click **Edit**.
4. Select **Reset** next to Reset All Feature Access, Reset Total Impressions, or Reset All Account Limits as necessary.
5. Click **Apply**.

Printing a Report

You can print a report that lists the numbers of impressions recorded for each user and each account.

To print a report:

1. In CentreWare IS, click **Properties > Accounting > Xerox Standard Accounting > Report and Reset**.
2. Click **Generate Report**.
3. Click to download link and save the .csv file to your computer.

Xerox Standard Accounting

Xerox Standard Accounting tracks the number of copy, print, and scan jobs for each user. You can set limits to restrict the total number of jobs by type that a user can produce. You can then generate reports listing usage data for individual users and groups.

When Xerox Standard Accounting is enabled, users must log in to the printer before accessing services. They must also provide their account details in the print driver before printing documents from a computer.

Note

If Xerox Standard Accounting is enabled, you cannot enable other accounting modes.

You can create a maximum of:

- 2499 unique Xerox Standard Accounting user IDs
- 500 General Accounts
- 499 Group Accounts

All user IDs must be assigned to one or more group accounts.

Note

Xerox Standard Accounting settings and account data are stored in the printer. Xerox recommends that you backup settings using the Cloning feature. If Xerox Standard Accounting settings are lost or deleted, you can restore them using the cloning backup file.

Before you begin, install Print Drivers on all client computers.

Configuring Xerox Standard Accounting

1. In CentreWare IS, click **Properties > Accounting > Accounting Configuration**.
2. Next to Accounting Type, select **Xerox Standard Accounting**.
3. Select **Enabled** next to the features that you want to track.
4. Next to Verify User Details, select **Yes** to authenticate users at the control panel. Local authentication must be configured.
5. Next to Verify User Details for Printer Jobs, select **Yes** to authenticate users at the control panel. Local authentication must be configured.
6. Next to Customize User Prompts, select how you want to prompt users for their credentials.
7. Click **Reboot Machine**.
8. Refresh your browser and navigate back to the Accounting Configuration page.
9. Click Next.

Creating a Group Account

You must create a group account before creating new user accounts.

1. In CentreWare IS, click **Properties > Accounting43 > Xerox Standard Accounting > Group Accounts**.
2. Under Group Accounts, type an Account ID using up to 12 digits, then type an Account Name using up to 32 alphanumeric characters for the new group account.

Note

Each Account ID and Account Name must be unique.

3. Click **Apply**.

Creating a New User Account and Setting Usage Limits

Note: You must create a group account before you can create and add user accounts.

1. In CentreWare IS, click **Properties > Accounting > Xerox Standard Accounting > Manage Accounting**.
2. Click **Add New User**.
3. Type a User ID and a Name using up to 32 alphanumeric characters, for the new user.

Note

Each User ID and Name must be unique.

4. Under Usage Limits, type the maximum number of impressions or sent images that the user can produce. The maximum number of impressions or images sent is 16,000,000.
 - Black Printed Impressions includes all black and white documents printed from a computer using the print driver.

Note

Cover sheets and banner sheets are counted as impressions.

- Black Copied Impressions includes all black and white copies.
- Network Images Sent includes documents sent over the network, including network scans, and scans to email.

Note

If the printer is set to print a scan confirmation report these documents are counted towards the user's limit.

5. Click **Apply**.

Maximum Usage Limits

Once a user reaches the maximum usage limit set for them, they are no longer able to use that feature until you reset their limit. When they log in to the printer, they are presented with a notification message that their limit has been reached for that feature.

If the user exceeds their limit while a job is in process, the printer tracks the number of impressions generated over their limit and subtracts them from the user's limit once it is reset.

If the user's limit is reached before a print job is completed, an error report prints notifying the user that their limit has been reached. The job is deleted from the print queue, and any sheets remaining in the paper path will finish printing.

Resetting Usage Limits

1. In CentreWare IS, click **Properties > Accounting > Xerox Standard Accounting > Report and Reset**.
2. To reset all usage data to 0, click **Reset Usage Data**.
3. Click **OK** to acknowledge the confirmation message.

Caution

The following step will delete all the XSA accounts on the printer.

4. Click **Reset to Default** if you want to delete all user, group, and general accounts.
5. Click **OK** to acknowledge the warning message.

Printing a Report

You can print a report that lists the numbers of impressions recorded for each user and each account.

To print a report:

1. In CentreWare IS, click **Properties > Accounting > Xerox Standard Accounting > Report and Reset**.
2. Click **Generate Report**.
3. Click to download link and save the .csv file to your computer.

Configuring Accounting Login Screen Settings

1. In CentreWare IS, click **Properties > Accounting > Accounting Login Screen Settings**.
2. Next to Alternative Name for User ID, type the text that will appear on the control panel to prompt a user for their user name.
3. Next to Mask User ID, select **Hide** to display user ID characters as asterisks.
4. If you have configured Network Accounting, next to Alternative Name for Account ID, type the text that will appear on the control panel to prompt a user for their user name.

5. If you have configured Network Accounting, next to Mask Account ID, select **Hide** to display user ID characters as asterisks.
6. Click **Apply**.

Accounting and Billing Device Settings

1. At the printer control panel, press the **Machine Status** button, then touch the **Tools** tab.
2. Touch **Accounting > Accounting / Billing Device Settings**.
3. Change the following settings as necessary:
 - Connect with Account / Billing Device: Touch **Connected** to enable an accounting or billing device that is connected to the printer.
 - Account / Billing Device: Touch the type of device.
 - Track Copy Jobs: Touch **Track with Accounting/Billing Device** to track copy pages.
 - Track Print Jobs: Touch **Track with Accounting/Billing Device** to track print pages.
 - Track Scan Jobs: Touch **Track with Accounting/Billing Device** to track scanned pages.
 - Interrupt Mode: Touch **Enabled** to enable the interrupt mode.
 - Job with Insufficient Credit: Touch to delete, hold, or delete on timeout on a job with insufficient credit.
 - Charge Print Jobs: Touch **Charge by Card Number** to track charges by card number.
 - Track with Cumulative Device: Touch the type of device.
 - Scan Ahead for Copy Job: Touch **Enabled** to scan ahead for a copy job.

Enabling Accounting in Print Drivers

Jobs sent from a user's computer can only be counted if accounting is enabled in the print driver.

Enabling Accounting in a Windows Print Driver

1. From the Start menu select **Devices and Printers**.
2. Right-click the printer in the list, and select **Printer Properties > Configuration > Accounting**.
3. From the Accounting System drop-down menu, select **Xerox Standard Accounting or Auditron**, or **Xerox Network Accounting**.
4. Select **Always Prompt** if you want users to type their User ID and Account ID each time they print. If you do not want users to log in, select **Do Not Prompt** and type the user's information in the Default User ID and Default Account ID fields.
5. Select **Mask User ID** and **Mask Account ID** to show characters as asterisks when an ID is entered.
6. Select **Remember Last Entered Codes** to show the last entered code when a user is prompted for their Account ID.
7. Select **Auxiliary Accounting Interface** if you are using XSA with an external accounting device.

8. If you want to specify the default User ID and Account ID, type them in the Default User ID, and Default Account ID fields, then select the default account type.
9. Click **OK**.
10. Click **OK** to exit.

Enabling Accounting in an Apple Macintosh Print Driver

1. Open a document and select **File**, then select **Print**.
2. Select the Xerox printer.
3. Select **Accounting** from the drop-down menu.
4. Under Accounting System, select **Xerox Standard Accounting or Auditron**, or **Xerox Network Accounting**.
5. Select **Prompt for Every Job** if you want users to type their User ID and Account ID every time they print.
6. Select **Mask User ID** and **Mask Account ID** to show characters as asterisks when an ID is typed.
7. If you want to specify the default User ID and Account ID, select **Use Default Accounting Codes**, type them in the Default User ID, and Default Account ID fields, then select the default account type.
8. Select **Auxiliary Accounting Interface** if you are using XSA with an external accounting device.
9. To save your settings, click the **Presets** menu and select **Save As**.
10. Type a name for the preset.
11. Click **OK**.

Note

Users must select this preset each time they print using the print driver.

Authentication / Security with CentreWare

Setting up Access Rights

Overview

You can control access to the printer's services and features by setting up authentication, authorization, and personalization.

Authentication

Authentication is the process of confirming a user's identity by comparing information provided by the user, such as their user name and password, against another source of user information such as an LDAP directory. Users can be authenticated when accessing the control panel or when accessing CentreWare IS.

There are several ways to authenticate a user:

- **Local:** If you have a limited number of users, or do not have access to an LDAP network directory, you can add user information, such as user names and passwords, to the printer's internal database. You can then specify tools and feature access for all users. Users are authenticated and authorized when they log in at the control panel.
- **Network:** The printer retrieves user information from a network directory to authenticate and authorize users when they log in at the control panel. The printer can use of the following three protocols to communicate with your authentication server:
 - Kerberos
 - SMB
 - LDAP
- **Card Reader:** You must purchase and install a magnetic or proximity card reading system, such as Xerox Secure Access. To access the printer, users must swipe a pre-programmed identification card.

Authorization

Authorization is the process of defining the services and features that users are allowed to access. For example, you can configure the printer to allow a user to copy, and scan, but not email. There are two types of authorization:

- **Locally on the Device (Internal Database):** User login information is stored locally in the printer's internal User Information Database.
- **Remotely on the Network:** User login information is stored externally in a network database such as an LDAP directory.

Personalization

Personalization is the process of customizing services for a specific user. If your network is connected to an LDAP server, the printer can look up a user's home directory and email address when using the Scan to Home, or Email scanning features.

Note

Personalization is only available when the printer is configured to use network authentication.

Local Authentication

Setting Up Local Authentication

To configure local authentication:

1. In CentreWare IS, click **Properties > Security > Authentication Configuration**.
2. On the Authentication Configuration page, next to Login Type, select **Login to Local Accounts**.
3. Select **Enabled** next to Print Stored File from Folder, or **Enabled** next to Folder to PC/Server Enabled to enable these services.

4. Select **Enabled** next to Non-account Print to allow users without accounts to access the printer.
5. Click **Apply**, then click **Reboot Machine**.

To restrict or allow access to tools and features, see Controlling Access to Tools and Features.

User Information

Before you can define access rights for users, user information must be defined. You can add or edit the printer's internal User Information Database with user information, or you can specify a network database or LDAP server containing user information.

Adding User Information to the Local Database

1. In CentreWare Internet Services, click **Properties > Security > Authentication Configuration**.
2. At the bottom right of the page, click **Next**.
3. Type the user's **Name**, **ID**, and **Passcode**. Retype the passcode to verify.

Passcode is only an option if the Passcode Policy is set to **On**. (To change the Passcode Policy, go to **Tools > Authentication/Security > Authentication > Password Policy**. The default setting is **Off**.)

4. Under Feature Access, select the features that the user is allowed to access.
5. Under User Role, select one of the following:
 - **System Administrator**: The authenticated user in this role is allowed to access all services and settings.
 - **Account Administrator**: The authenticated user in this role is allowed to access accounting settings and other services and settings that are locked.
 - **User**: The authenticated user in this role is allowed to access services and features defined by the system administrator.

Note

Users who are not authenticated cannot access features that are locked.

6. To add the user to an Authorization Group, select the group from the drop-down list.
7. Click **Apply** to accept the changes or **Undo** to retain the previous settings.

Specifying Login Requirements

You can specify password requirements if desired.

1. In CentreWare IS, click **Properties > Security > User Details Setup**.
2. If you want the printer control panel to display text other than UserID, type the text in the Alternative Name for User ID field.
3. Next to Mask User ID, select **Hide** if you want user ID characters to be displayed as asterisks at the control panel.
4. Next to Failed Access Log, type the number of allowed login attempts (1-600). Type 0 to allow an unlimited number of login attempts. If the maximum number of allowed attempts is exceeded, the printer is locked and must be restarted.

5. To allow users to log in without case sensitivity, select **Non-Case Sensitive** next to User ID for Login.
6. Click **Apply** to accept the changes or **Undo** to retain the previous settings.

Network Authentication

If you have an LDAP server connected to your network, you can configure the printer to retrieve user information from the LDAP directory when authenticating a user at the control panel.

Setting up Network Authentication

1. In CentreWare IS, click **Properties > Security > Authentication Configuration**.
2. On the Authentication Configuration page, next to Login Type, select **Login to Remote Accounts**.
3. Select **Enabled** next to Print Stored File from Folder, or **Enabled** next to Folder to PC/Server Enabled to enable these services.
4. Select **Enabled** next to Non-account Print to allow users without accounts to access the printer.
5. To allow a guest user to access the printer, select **On** next to Guest User. Type the Guest Password, then retype the password to verify.
6. Click **Apply**, then click **Reboot Machine**.
7. After the printer restarts, refresh your browser and navigate back to the **Authentication Configuration > Step 1 of 2** page, and click **Next** at the bottom right of the page.
8. Next to Authentication System, click **Configure**.
9. On the Authentication System page select your Authentication System from the drop-down list.
10. Type the Server Response Time-Out, and the Search Time-Out.
11. Select **Enabled** next to Assign UPN (User Principal Name) if desired.
12. Click **Apply** to accept the changes or **Undo** to retain the previous settings.
13. Click **Reboot Machine**.

Configuring Authentication Server Settings for Kerberos

1. In CentreWare IS, click **Properties > Security > Remote Authentication Servers > Kerberos Server**.
2. Under Kerberos Server 1, type the host name or IP address of your primary server.
3. Type the Primary Server Port Number.
4. Type the host name or IP address of your secondary server.
5. Type the Secondary Server Port Number.
6. Type the Domain Name (realm name) of your server.
7. Type the server name, port name and domain name of any additional Kerberos servers if desired.
8. Click **Apply** to accept the changes or **Undo** to retain the previous settings.

Configuring Authentication Server Settings for SMB

1. In CentreWare IS, click **Properties > Security > Remote Authentication Servers > SMB Server**.
2. Next to SMB Server Setup, select **By Domain Name** or **By Server Name /IP Address**.
3. Type the Domain Name and Server Name/IP Address for each of your servers.
4. Click **Apply** to accept the changes or **Undo** to retain the previous settings.

Configuring Authentication Server Settings for LDAP

1. In CentreWare IS, click **Properties > Connectivity > Protocols > LDAP > LDAP Authentication**.
2. Next to Authentication Method select **Direct Authentication**, or **Authentication of User Attributes**.

Direct Authentication uses the user name and password entered by the user for authentication with the LDAP server. Authentication of User Attributes allows you to specify what is entered by the user (Attribute of Typed User Name) and what is used by the printer (Attribute of the Login User Name) to authenticate the user.
3. Type the Attribute of Typed User Name.
4. Type the Attribute of Login User Name.
5. Select **Enabled** next to Use Added Text String, and type the text string if you want to add text to the user input prior to authentication.

Authentication Using a Card Reader System

Setting Up Authentication for Xerox Secure Access

Before you begin:

- Enable Secure HTTP (SSL). For details, see Enabling HTTP.
- Refer to the server authentication, third-party/partner documentation for details, refer to the following general instructions.

Note

Accounts created on the Xerox Secure Access authentication server must match accounts stored in the printer's local database or in another network authentication server.

- Connect and configure your card reader.
- Install the appropriate plugin for your card reader and printer model. Download the latest plugin files and plugin installation instructions at www.xerox.com.

Note

Although the name of the plugin is specific to one product, the plugin instructions provided here are used with many different Xerox products.

To configure authentication using Xerox Secure Access:

1. In CentreWare IS, click **Properties > Security > Authentication Configuration**.

2. On the Authentication Configuration page, next to Login Type, select **Xerox Secure Access**.
3. Select **Enabled** next to Print Stored File from Folder, or **Enabled** next to Folder to PC/Server Enabled to enable these services.
4. Select **Enabled** next to Non-account Print to allow users without accounts to access the printer.
5. Click **Apply**, then click **Reboot Machine**.
6. After the printer restarts, refresh your browser and navigate back to the **Authentication Configuration > Step 1 of 2** page, and click **Next** at the bottom of the page.
7. Next to Authentication System, click **Configure**.
8. On the Authentication System page select **Authentication Agent** from the drop-down list.
9. Type the Server Response Time-Out, and the Search Time-Out.
10. Select **Enabled** next to Assign UPN (User Principal Name) if desired.
11. Click **Apply** to accept the changes or **Undo** to retain the previous settings.
12. Click **Reboot Machine**.

Configuring Xerox Secure Access Login Settings

1. In CentreWare IS, click **Properties > Security > Remote Authentication Servers Xerox Secure Access Settings**.
2. Type the Default Prompt text and Default Title text.
3. Select **Enabled** next to Local Login to allow users to type their credentials at the control panel.
4. Select **Enabled** next to Get Accounting Code to allow the printer to get the user's accounting code from a network accounting server when the user logs in at the control panel.
Network authentication and network accounting must be configured. If this setting is not enabled, the user must enter an accounting code when they log in at the control panel.
5. Type the Connection Time-Out (1-300 seconds).
6. Click **Apply** to accept the changes or **Undo** to retain the previous settings.

Setting Up Authentication for a USB Smartcard Reader System

To use the printer with a card reader system other than Xerox Secure Access, you must order and install the Xerox Common Access Card Enablement Kit. The kit includes hardware, software, and instructions for connecting and configuring your card reader system.

Before you begin:

- Install the USB Enablement Kit
- Install a Kerberos authentication server and configure with user accounts.
- Connect your card reader to the printer.

Configure Network Authentication Settings

1. Configure network authentication.
2. Configure Kerberos server settings.

Enable SmartCard Settings

1. At the printer control panel, press the **Machine Status** button and touch the **Machine Information** tab.
2. Touch **Authentication / Security Settings > Authentication > User Details Setup > Use of SmartCard**.
3. Touch **Change Settings**.
4. Touch **Enabled**.
5. Under Jobs Validated by Card select **Copy, Print, or Scan**, and touch **Save**.

Configure SmartCard Link Mode Settings

1. At the printer control panel, press the **Machine Status** button and touch the **Machine Information** tab.
2. Touch **Authentication / Security Settings > Authentication > User Details Setup > SmartCard Link Mode**.
3. Touch **Change Settings**.
4. Touch **No Passcode Required**, and touch **Save**.

Set the SmartCard Certificate Verification Mode

For additional security, you can set the printer to validate a user's SmartCard against certificates stored on the printer.

1. At the printer control panel, press the **Machine Status** button and touch the **Machine Information** tab.
2. Touch **Authentication / Security Settings > Authentication > User Details Setup > SmartCard Certificate Verification**.
3. Touch **Change Settings**.
4. Touch **Enabled**.

Configure Certificate Revocation Retrieval Settings

Configure Certificate Revocation Retrieval settings as necessary.

Note

- The root CA and intermediate CA of the user's smartcard certificate must be stored on the printer.
- The printer's date and time settings must be correct to validate the certificate.

Controlling Access to Tools and Features

Controlling Access for All Users

- To lock or unlock tools and features for all users:
 - a) In CentreWare IS, click **Properties > Security > Authentication Configuration**.
 - b) Click **Next**.
 - c) Under Device Default State Configuration, next to Device Access, click **Configure**.
 - d) Select **Locked** to require authentication for all services at the control panel (Services Pathway), **Job Status** button (Job Status Pathway), or the **Machine Status** button (Machine Status Pathway).
 - e) Click **Apply** to accept the changes or **Undo** to retain the previous settings.
- To lock, unlock or hide individual services for all users:
 - a) In CentreWare IS, click **Properties > Security > Authentication Configuration**.
 - b) Click **Next**.
 - c) Under Device Default State Configuration, next to Service Access, click **Configure**.
 - d) Select **Locked** to require authentication for individual services at the control panel, or select **Locked (Hide Icon)** to hide the service.
 - e) Click **Apply** to accept the changes or **Undo** to retain the previous settings.

Controlling Access for a Group of Users

If your network is connected to an LDAP server, you can configure network authentication and control individual user or group access to services and features.

LDAP server user groups can be used to control access to services and features of the printer. For example, the LDAP server may contain a group of users called Admin. You can configure the Admin group on the printer so that only members of this group have administrator access to the printer. When a user belonging to the group Admin logs onto the printer, the printer performs an LDAP directory lookup to verify the user. Once authenticated, the user is allowed administrative rights to the printer.

You can set up and control access to your printer in four ways:

- User Roles Access Setup
- Device Access Setup
- Service Access Setup
- Feature Access Setup

Before you begin:

- Configure Network Authentication.
- Configure LDAP server settings.

To set up LDAP authorization access. in CentreWare IS, click **Properties > Connectivity > Protocols > LDAP > LDAP Authorization Access**.

User Roles Access Setup

You can assign users to specific roles groups to allow them types of access.

1. Under User Roles, in the **System Administrator Access** field, type the name of the group, defined in the LDAP server database, that you want to use to grant system administrator access to the printer.
2. In the **Accounting Administrator Access** field, type the name of the group, defined in the LDAP server database, that you want to use to grant accounting administrator access to the printer.
3. Click **Apply**.

Device Access Setup

Note

Device Access setup requires that Authentication is enabled and Tools and Feature Access are configured to require users to log in before they can access pathways.

1. Under Device Access, in the **Services Pathway** field, type the name of a group, defined at the LDAP server, that you want to use to provide access to the Services features on the printer.
2. Repeat for Job Status Pathway and Machine Status Pathway.
3. Click **Apply**.

Service Access Setup

Note

Service Access setup requires that Authentication is enabled and Tools and Feature Access are configured to require users to log in before they can access services.

You can specify access to the services of the printer under Service Access. Type the names of the LDAP groups for any of the services listed.

1. Under Service Access, under **Access Group**, type the names of the LDAP groups allowed to access each of the individual printer services.
2. Click **Apply**.

Digital Certificates

A digital certificate must be installed on the printer before you can enable secure HTTP (SSL). A digital certificate is a set of data used to verify the identity of the holder or sender of the certificate. A certificate includes the following data:

- Information about the person, organization, or computer that the certificate is issued to, including the name, location, email address and other contact information.
- Serial number of the certificate
- Expiration date of the certificate
- Name of the certificate authority (CA) that issued the certificate
- A public key
- A certificate authority's digital signature

Installing a Digital Certificate

There are three ways to install a certificate on the printer:

- Create a Self-Signed Certificate. The printer creates its own certificate, signs it, and creates a public key to be used for encryption.
- Create a request to have a certificate authority, or a server functioning as a certificate authority sign a certificate and then upload the certificate to the printer. An example of a server functioning as a CA is Windows Server running Certificate Services.
- Install a certificate created by a trusted intermediate or root CA.

Note

Installing a self-signed certificate is less secure than installing a certificate signed by a trusted CA. However, if you do not have a server functioning as a certificate authority this is your only option.

Creating a Self-Signed Certificate

1. Enable S/MIME capability for the self-signed certificate if necessary.
2. In CentreWare IS, click **Properties > Security > Machine Digital Certificate Management**.
3. Click **Create New Certificate**.
4. Select **Self Signed Certificate**.
5. Click **Continue**.
6. Select the **Public Key Size** and type the name of the Issuer.
7. Next to Days of Validity, type the number of days (1-9999) until the certificate expires.
8. Click **Apply**.

Creating a Request

1. In CentreWare IS, click **Properties > Security > Machine Digital Certificate Management**.
2. Click **Create New Certificate**.
3. Select **Certificate Signing Request (CSR)**.
4. Fill out the form with your 2-Letter Country Code, State/Province Name, Locality Name, Organization Name, Organization Unit, and Email Address.
5. Click **Apply**.
6. Values from the form are used to generate a Certificate Signing Request.
7. When the process is complete, you are prompted to save the Certificate Signing Request. Right-click the link and save the csr.pem file to your computer.
8. Email the file to a trusted certificate authority to be signed.

Uploading a Certificate

When a signed certificate is received back from a trusted certificate authority, you can upload the certificate to the printer. You can also upload certificates, root certificates, and intermediate CA certificates to establish a complete chain of trust.

1. In CentreWare IS, click **Properties > Security > Machine Digital Certificate Management**.
2. Click **Upload Signed Certificate**.
3. If the certificate is password protected, type the Password and retype to verify.
4. Click **Browse** or **Choose File**, navigate to the signed certificate in .crt format, and click **Open** or **Choose**.
5. Click **Import**.

Note

The signed certificate must match the CSR created by the printer.

Managing Certificates

To see information about the certificates installed on the printer, or specify the certificate to use for S/MIME, SSL, and IPSEC:

1. In CentreWare IS, click **Properties > Security > Certificate Management**.
2. Select a certificate **Category**, **Certificate Purpose**, and **Certificate Order**.
3. Click **Display the list**.
4. Select a certificate from the list and click **Certificate Details**.
5. To set the certificate as the primary certificate, click **Use this certificate**. If Use this certificate is not available, then the selected certificate has expired, or is not valid. All certificates in the certification path (chain of trust) must be installed on the printer and be valid.
6. Click **Delete** to remove the certificate, or **Export** to save the certificate to your computer.

Certificate Revocation Retrieval Settings

1. In CentreWare IS, click **Properties > Security > Certificate Revocation Settings**.
2. Under General, select the Level of Certificate Verification.
 - **Low:** The revocation status of certificates is not checked. The printer verifies that the certificate has not expired, and the certificate issuer and signature are valid.
 - **Medium:** The revocation status of certificates is checked. If the certificate status cannot be obtained due to a network error, the certificate is still considered valid.
 - **High:** The revocation status of certificates is checked. The certificate is only considered valid after successfully verifying that the certificate has not been revoked.
3. Under General, select the **Retrieval of Certificate Status**.

4. If you selected OCSP as the retrieval method, under OCSP, next to Send Query to OCSP Responder With, select **URL as Specified in Certificate** or **URL as Specified by Administrator**.
5. Type the URL of OCSP Responder.
6. Type the OCSP Communication Time-Out (5-60 seconds).
7. If you selected CRL as the retrieval method, under CRL, next to Auto Retrieval of CRL, select **Enabled** if desired.
8. Type the CRL Retrieval Time-Out (5-60 seconds).
9. Click **Apply** to accept the changes or **Undo** to retain the previous settings.

Secure HTTP and SSL/TLS

You can encrypt all data sent over HTTP by establishing an encrypted SSL connection. You can enable SSL encryption for the following services:

- Configuring the printer in CentreWare IS
- Printing from CentreWare IS
- Printing using IPP
- Managing scan templates
- Network scanning
- Network accounting

Before you begin:

- Install a digital certificate.
- Ensure that the date and time configured on the printer is correct. This is used to set the start time for self signed certificates.

Configuring Secure HTTP and SSL/TLS Settings

- A digital certificate must be installed on the printer before you can enable Secure HTTP. For details, see *Installing a Digital Certificate*.
 - If Secure HTTP is enabled, to access CentreWare IS, all pages will contain https:// in the URL for the Web page.
1. In CentreWare IS, click **Properties > Security > SSL/TLS Settings**.
 2. Next to HTTP - SSL/TLS Communication, select **Enabled**.
 3. Type the port number you want to use for HTTP SSL/TLS.
 4. If you want to use SSL/TLS for LDAP communication, select **Enabled** next to LDAP - SSL/TLS Communication.
 5. If you want to use S/MIME communication, select **Enabled** next to S/MIME - SSL/TLS Communication.
 6. If you want to use SSL/TLS for SMTP communication, next to SMTP - SSL/TLS Communication, select a method that your server supports.

Note

If you are unsure what method your server supports, select STARTTLS (if available). If you select STARTTLS (if available), the printer attempts to use STARTTLS. If your server does not support STARTTLS, SMTP communication is not encrypted.

7. Select **Enabled** next to Verify Remote Server Certificate if necessary.
8. Click **Apply** to accept the changes or **Undo** to retain the previous settings.

IPsec

Internet Protocol Security (IPsec) is a group of protocols used to secure Internet Protocol communications by authenticating and encrypting each IP data packet. It allows you to control IP communication by creating protocol groups, policies, and actions for the following:

- DHCP v4/v6 (TCP and UDP)
- LPR Print (TCP port 515)
- DNS (TCP and UDP)
- Port 9100 Print (TCP port 9100)
- FTP (TCP)
- SMTP (TCP/UDP port 25)
- HTTP (Scan Out, TCP port 80)
- SNMP (TCP/UDP port 161)
- HTTPS (Scan Out, TCP port 443)
- SNMP Traps (TCP/UDP port 162)
- HTTPS (Web Server, TCP port 443)
- WS-Discovery (UDP port 3702)
- ICMP v4/v6
- Up to 10 additional services
- IPP (TCP port 631)

Configuring IPsec

Note

Secure HTTP (SSL) must be enabled with an installed digital certificate before you can enable IPsec.

1. In CentreWare IS, click **Properties > Security > IPsec**.
2. Next to Protocol, select **Enabled**.
3. Select the **IKE Authentication Method, Preshared Key or Digital Signature**.
4. If you select Preshared Key, type the Shared Key and retype the key to verify.
5. Type the IKE SA Life Time (5-28800 minutes).
6. Type the IPsec SA Life Time (300-172800 minutes).
7. Select the **DH Group** type.
8. Enable PFS if necessary.

9. Type the Specific Destination IPv4 Address.
10. Type the Specific Destination IPv6 Address.
11. To restrict the printer from communicating with devices that are not using IPSec, select **Disabled** next to Communicate with Non-IP Sec Device.
12. Click **Apply** to accept the changes or **Undo** to retain the previous settings.

802.1X

802.1X is an Institute for Electrical and Electronics Engineers (IEEE) standard that defines a method for port-based network access control or authentication. In an 802.1X secured network, the printer must be authenticated by a central authority, typically a RADIUS server, before it can access the physical network.

You can enable and configure the printer to be used in an 802.1X secured network.

Before you begin:

- Ensure your 802.1X authentication server and authentication switch are available on the network.
- Determine the supported authentication method.
- Create a user name and password on your authentication server.
- Changing and applying 802.1X settings causes the printer to restart. Ensure that the printer can be offline for several minutes.

Configuring 802.1X

1. Click **Properties > Security > IEEE 802.1X**.
2. Next to Enable IEEE 802.1x select **Enabled**.
3. Under Authentication Method, select the method used on your network. Options are:
 - **EAP-MD5**
 - **EAP-MS-CHAPv2**
 - **PEAP/MS-CHAPv2**
 - **EAP-TLS**: This method is available if the printer is configured to use EAP-TLS.
4. Type the Login Name (Device Name) required by your authentication switch and server.
5. Type the Password, then retype to verify.
6. Select **Enabled** next to Certificate Validation if necessary.
7. Click **Apply** to accept the changes or **Undo** to retain the previous settings.

Configuring the Printer for 802.1X using EAP-TLS Authentication

1. Create a self-signed certificate.
2. Enable SSL.
3. Click **Properties > Security > Machine Digital Certificate Management**.
4. Upload a PKI client certificate from a trusted CA.
5. Click **Properties > Security > Certification Management**.

6. Next to Certificate Purpose, select **SSL Client**.
7. Click **Display List**.
8. Select the check box next to the certificate you want to use.
9. Click **Certificate Details**.
10. Click **Use this Certificate**.
11. Click **Reboot Machine**.

You can now select EAP-TLS as the 802.1X authentication method.

FIPS140-2 Data Encryption

All data stored on and transmitted by the printer is encrypted. Some services and protocols, such as SMB, NetWare, SNMPv3, and the PDF Direct Print service do not use an encryption method that complies with government standard FIPS140-2.

You can warn users with a control panel message when data is about to be transmitted that is not encrypted to FIPS140-2 standard.

For more information, see the printer's Security White Paper on the Xerox website.

To enable the warning message:

1. In CentreWare IS, click **Properties > Security > FIPS140 Validation Mode**.
2. Next to FIPS140 Validation Mode, select **Enabled**.

Note

FIPS 140-2 encryption does not apply to the following services and protocols: SMB, NetWare, SNMPv3, PDF Direct Print Service.

IP Filtering

You can prevent unauthorized network access by only allowing data to be transmitted to and from specific IP addresses and ports.

Creating an IP Filter Rule

1. In CentreWare IS, click **Properties > Security > IP Filtering**.
2. Under IPv4 Filtering, or IPv6 Filtering select **Enabled**.
3. Click **Add** under IPv4 Filtering, or IPv6 Filtering.
4. Type the Source IP Address. This is the IP address of the computer or device that you want to allow.
5. Type a number for the Source IP Mask that will use this rule.
The allowable range of 0 to 32 corresponds to the 32-bit binary number comprising IP addresses. A number of 8, for example, represents a Class A address (mask of 255.0.0.0). The number 16 represents a Class B address (mask of 255.255.0.0). The number 24 represents a Class C address (mask of 255.255.255.0).
6. Refresh your browser and navigate back to the IP Filtering page. Under IP Filter Rule List, select the rule that you just created.

7. Select your rule in the list, and click **Apply**.
8. Click **Edit** or **Delete** to edit or delete an existing rule.

Audit Log

When the Audit Log feature is enabled, the printer begins recording events that happen on the printer. You can download the Audit Log as a tab-delimited text file, and review it to find security breaches and assess the printer's security.

Enabling Audit Log

Note

Secure HTTP (SSL) must be enabled before you can enable Audit Log.

1. In CentreWare IS, click **Properties > Security > Audit Log**.
2. Next to Audit Log, select **Enabled**.
3. Click **Apply** to accept the changes or **Undo** to retain the previous settings.

Saving an Audit Log

1. In CentreWare IS, click **Properties > Security > Audit Log**.
2. Under Export Audit Log, right-click the Export as text file link and save the compressed auditfile.txt file to your computer.
3. Open the file in an application that can read a tab-delimited text file.

Interpreting the Audit Log

The Audit Log is formatted into columns

- Log ID: A unique value that identifies the event.
- Date: The date that the event happened in mm/dd/yy format.
- Time: The time that the event happened in hh:mm:ss format.
- Audit Event ID: The type of event. The number corresponds to a unique description.
- Logged Events: An abbreviated description of the type of event.

Note

- One audit log entry is recorded for each network destination within a Network Scanning scan job.
- For Server jobs: One audit log entry is recorded for each Server job.
- User Name: User Name, Job Name, Computer Name, Printer Name, Folder Name, or Accounting Account ID (when Network Accounting is enabled).

Note

Network Authentication must be configured to record the user's name in the Audit Log.

- Description: More information about the Logged Event. When the Logged Event is System Status for example, one of the following may be displayed:
 - - Started normally (cold boot)
 - - Started normally (warm boot)
 - - Shutdown requested
 - - Image Overwriting started
- Completion Status: The status of the event.
- Optionally Logged Items: Other information recorded when the event occurs, such as log in and authentication access method.

PDF and XPS Signatures

You can add a digital signature to PDF or XPS documents that are created by the printer scan feature. The signature uses the information in the device Scan File certificate, or a smart card S/MIME digital certificate.

Before you begin:

- Select the device Scan File certificate.
- Install an S/MIME digital certificate.
- Enable secure HTTP (SSL) and S/MIME communication.

To set digital signatures:

1. In CentreWare IS, click **Properties > Security > PDF / XPS Security Settings**.
2. Next to PDF Signature, select when you want the signature to be added.
3. Click **Apply**.

Address Book Security

Controlling CentreWare IS Address Book Access

You can allow all users to edit the public address book in CentreWare IS, or restrict access to system administrators only.

1. In CentreWare IS, click the **Address Book** tab.
2. Under Security, click **Access Rights**.
3. Select **System Administrators Only**, or **Open to All Users**.

Controlling Control Panel Address Book Access

Before you begin, configure Local Authentication.

You can create an Authorization Group to restrict users from using or editing the address book at the control panel.

1. In CentreWare IS, click **Properties > Security > Create Authentication Groups**.
2. Click **Edit** next to one of the group numbers.

3. Type the Group Name.
4. Next to Restrict Recipient Selection Method, select **No Restriction** to allow access for the group, or **Always Apply Restriction** to require authentication for the group.
5. Next to Restrict User to Edit Address Book, select **No Restriction**, or **Always Apply Restriction**.
6. Next to Allow User to Disable Active Settings, select **Allow** or **Do Not Allow**.
7. Click **Apply** to accept the changes or **Undo** to retain the previous settings.

Restricting Access to Job Information

You can control how job information is displayed at the control panel when users press the Job Status button.

Hiding or Password Protecting Completed Job Information

1. In CentreWare IS, click **Properties > Security > Job Status Default > Completed Jobs View**.
2. Next to Completed Jobs View, select **Require Login to View Jobs**, or **No Job Viewing** to keep users from seeing completed job information.
3. If you selected **Require Login to View Jobs**, next to Access To, select **All Jobs** or **Jobs Run By Login User Only**.
4. Next to Hide Job Details, select **Yes** or **No**.
5. Click **Apply**.

Hiding Active Job Information

1. In CentreWare IS, click **Properties > Security > Job Status Default > Active Jobs View**.
2. Next to Hide Job Details, select **Yes** or **No**.
3. Click **Apply**.

Hiding or Displaying Network Settings

You can show or hide the IPv4 address or host name of the printer on the control panel touch screen.

1. In CentreWare IS, click **Properties > Security**.
2. Click **Display Network Settings**.
3. Select **Show IPv4 Address** or **Show Host Name**. To hide network information, select **Hide Network Information**.
4. Click **Apply**.

9

Problem Solving

SMB

This section describes the troubleshooting, notes and restrictions when using SMB.

Troubleshooting

The possible causes, check points, and remedies for problems when using SMB are as follows:

When you cannot communicate with the printer

Cause	Check point	Remedy
The computer and the machine are using different protocols.	From Windows Start, Search and while searching for other computers, Windows cannot find Network Computer or the copier/printer.	Configure the machine and each computer to use the same SMB operational protocol.
The machine and the computers belong to different networks (subnets).	From Windows Start, Search and while searching for other computers, Windows cannot find Network Computer or the copier/printer.	When the machine and the computers are on different networks, consult your network administrator.
The host name for the machine is already in use.	Print out the Printer Settings List to confirm if "Duplicate Host Name" is printed in the SMB status information.	Use the CentreWare Internet Services to change the host name to a unique name, or initialize the machine settings to the default settings.

When you cannot print

Cause	Check point	Remedy
The machine is processing a request from a different computer. (Only when the machine is set to the Non-Spool mode)	Confirm the machine is processing a print job. (A write error dialog should be displayed to indicate that there is no room for the print queue available.)	Wait until the machine finishes processing the print job, or change the machine setting to Spool mode.
The number of connections to the machine exceeded the maximum connections allowed.	Confirm if the machine is processing simultaneous processing requests (print requests, status queries, etc.) from multiple computers. A write error dialog should be displayed to indicate that no more remote computers can be connected.	Wait for a while and retry printing.

You cannot delete documents from the Printer window.

Cause	Check point	Remedy
You are trying to delete all print data displayed in the Printer window. (Only the system administrator is allowed to do this task.)	Confirm whether you are trying to delete the print data from the Printer menu. (In Windows OS: Clear Print Jobs menu.)	Select the print data to be deleted, and delete from the Document menu in the Printer window. (Cancel Printing menu.)
The print data has a different owner.	Confirm if the name displayed as the Owner for the selected print data and the login name for the user to Windows are the same.	Login to Windows using the name of the document owner and delete the print data.

CentreWare Internet Services

This section describes how to troubleshoot CentreWare.

Troubleshooting

This section describes the causes and recommended remedies for errors that may occur while using CentreWare Internet Services.

Symptom	Remedy
CentreWare Internet Connecting with Services is impossible.	Is the machine working properly? Check if the machine is powered on.
	Is CentreWare Internet Service activated? Print out the Printer Settings List to confirm.
	Is the Internet address correctly entered? Confirm the Internet address again. If the problem persists, enter an IP address to make a connection.
	Is a proxy server being used? Depending on the proxy server, connections may not be possible. Set the browser not to "Use proxy server" or set that particular address not to use a proxy server.
The "Please wait" message is displayed throughout.	Wait for a while as instructed. If the status does not change, click the Refresh button. If this does not have any effect, confirm the machine is working properly.
The Refresh button is not working.	Are you using a specified browser? Confirm that your browser is supported.
Selecting the menu on the left frame does not update the right frame contents.	
The screen display is distorted.	Change the window size for the browser.
The latest information is not displayed.	Click the Refresh button.
The Apply New Settings button does not reflect the new settings.	Are all entered values correct? If a value outside of the permitted range is entered, the update will automatically be made within the range.
Clicking the Apply New Settings button causes the browser to display "The server has returned an invalid or unrecognizable response" or "No data" message.	Has a correct password been supplied? The entries for Password and Confirm Password do not match. Enter the correct password.
	Is it during operation or after operation by the control panel on the machine? When the automatic reset function is configured, any setting by CentreWare Internet Services is not applied until setting time passes. Wait for a while.
Cannot delete jobs.	Wait for a while and click the Refresh button.

Scanner Features

Notes and Restrictions

The following are the notes and restrictions for using the scanner features.

When retrieving documents from mailbox

- When Delete/Save Documents is set to Save, the same document can be accessed by multiple clients.
- When Delete/Save Documents is set to Delete, only one client can access any given document. The document which is being saved or imported by a client cannot be seen by other clients.

In both cases, documents can be added to a mailbox while it is accessed.

- When documents are retrieved from CentreWare Internet Services, the documents will not be deleted regardless of the setting of Delete Documents After Retrieval.

Display

When a multi-colored document is scanned, the image cannot be displayed in the correct colors if the display mode is set to fewer colors. Use a display mode which supports more colors than the image contains.

When printing documents saved in the mailbox

If printing a saved document by selecting Mailbox from the touch screen on the machine, scan documents cannot be printed.

When using TIFF files

The TIFF files created by Mailbox Viewer 2 are compressed either into the MMR, MH, JBIG, or JPEG format. When opening TIFF files, use the appropriate application software which supports the format.

Note

Mailbox Viewer 2 cannot create a TIFF file compressed by JBIG format.

Restriction on scanning capacity

The maximum scanning capacity for one page is 297 x 432 mm. For standard sizes, A3 or 11 x 17 inches.

Number of sheets for scanning (for Mailbox)

A maximum of 999 pages can be scanned in at once for mailboxes. The number of pages may differ depending on the document size and resolution.

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