



# **Secure Print Advanced**

## **User's Guide**

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## Definitions of Notes

We use the following symbol throughout this User's Guide:

### **IMPORTANT**

IMPORTANT indicates a potentially hazardous situation which, if not avoided, may result in damage to property or loss of product functionality.

### **NOTE**

NOTE specifies the operating environment, conditions for installation, or special conditions of use.



Tips icons indicate helpful hints and supplementary information.

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## Secure Print Advanced Overview

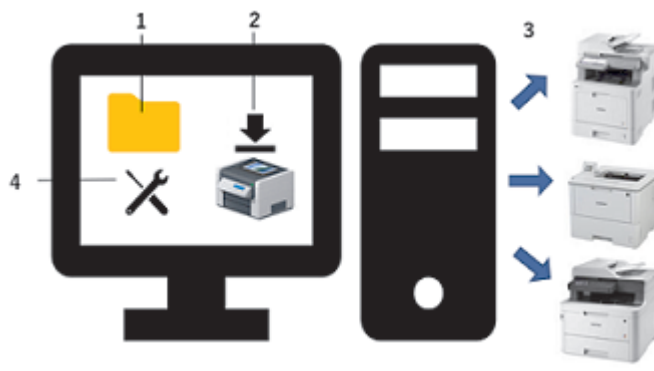
Secure Print Advanced is a Windows-based printing solution.

Print jobs sent from a user's computer are saved in a shared folder on the assigned Windows computer (Print server). <sup>1</sup> Users can retrieve prints from any pre-registered target machine by entering a user name and password on the machine's control panel or by authenticating using an NFC ID card. <sup>2</sup>

### Benefits of the Secure Print Advanced solution

- Prevents others from handling your confidential printed documents
- Reduces costs by deleting any uncollected print jobs
- Allows you to print using any available machine even if your usual machine is not available

#### Administrator



1. Create a shared folder on the print server. <sup>1</sup>
2. Install the **Brother Pull Print Driver** (it stores print jobs in a shared folder on the print server for sharing with users). <sup>1</sup>
3. Configure the target machines.  
For more information, see *Related Topics*.
4. Use the **Brother Pull Print Job Delete Tool** to automatically delete the stored print jobs.

#### Users



1. Install **Brother Pull Print Driver** on users' computers.
2. Users print using the **Brother Pull Print Driver**.  
Print jobs are stored for each user in a shared folder on the print server. <sup>1</sup>
3. Users swipe their NFC cards on any of the target machines and select the print jobs they want to print using the LCDs.

<sup>1</sup> "Print server" refers to a Windows computer running with a shared folder. For more information, see *Related Topics*.

<sup>2</sup> The user name is required when using Active Directory.



## Related Information

### Related Topics:

- [Configuration](#)
  - [System Requirements](#)
-

## Before You Use Secure Print Advanced

### Activation

To activate this solution, you need a valid license code and software that can send license codes to target machines (such as the Brother Mass Deployment Tool or BRAdmin Professional 4). For more information, contact your local Brother office.

### Supported Card Types

This solution supports built-in and external USB card readers and most commonly-used RFID/NFC tags. For a comprehensive list of supported card types, contact your local Brother office.

### Configuration

Configure multiple target machines using either of the following:

- **BRAdmin Professional 4**
- **Mass Deployment Tool**

Go to your model's **Downloads** page at [support.brother.com](http://support.brother.com) to download the one of these software solutions.

### Modes

To identify authorized users, Brother machines must check if such users exist in a user database. Secure Print Advanced supports two types of user database:

- **The Brother machine's internal database (Standalone Mode)**  
To use Secure Print Advanced with the machine's internal database, see *Related Topics*.
- **Microsoft Active Directory database (Active Directory Authentication Mode)**  
To use Secure Print Advanced with Active Directory, see *Related Topics*.



### Related Information

#### Related Topics:

- [Configure the Target Machine \(Standalone Mode\)](#)
- [Configure the Target Machine \(Active Directory Authentication Mode\)](#)

## Configuration

- [Configure the Print Server](#)
- [Configure the Target Machine \(Standalone Mode\)](#)
- [Configure the Target Machine \(Active Directory Authentication Mode\)](#)
- [Set Up the User's Computer](#)
- [Secure Print Advanced Overview](#)

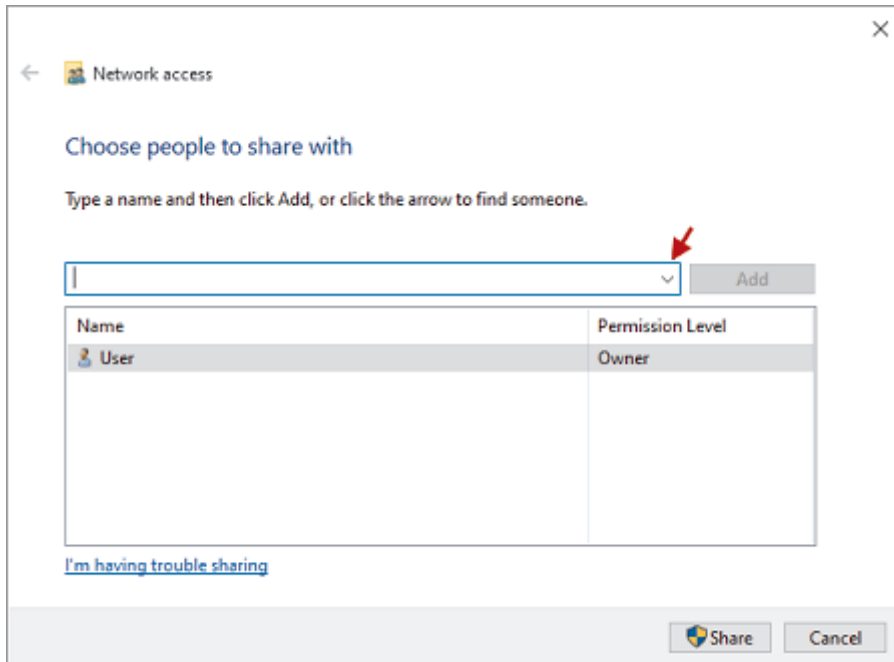
## Configure the Print Server

- Create a Shared Folder on the Print Server
- Install the **Brother Pull Print Driver** on the Print Server

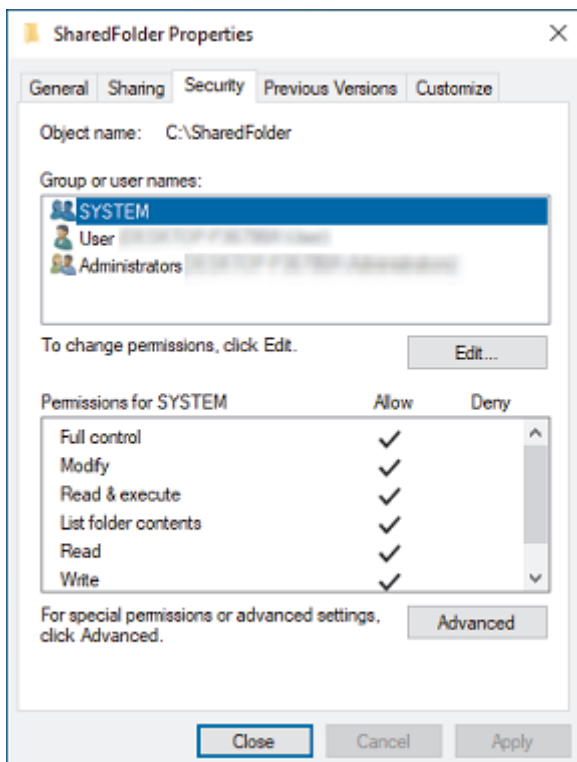


## Create a Shared Folder on the Print Server

1. Create a shared folder on the print server (for example C:\SharedFolder).
2. Right-click the folder, and then select **Property**.
3. Click the **Share** tab, and then click the **Share...** button.
4. Use the search drop-down list to search for the user name.



5. Click to select the user names.
6. Click the **Share...** button to save, and then click **Done** to close the window.
7. Click the **Security** tab, and then modify the permissions to access the shared folder. Make sure only authorized users have access to this folder to protect the print jobs.



---

## IMPORTANT

- Shared folder requirements:
    - SYSTEM with read/write permissions
    - The added users with read/write permissions
  - We strongly recommend restricting permissions for other users.
- 



## Related Information

- [Configure the Print Server](#)
-

## Install the Brother Pull Print Driver on the Print Server

1. Download the **Brother Secure Print Advanced Installer** from your model's **Downloads** page at [support.brother.com](http://support.brother.com).
2. Double-click the downloaded EXE file, and then follow the on-screen instructions to proceed with the installation.



Specify the print queue name and shared folder path during installation.

- The **Brother Pull Print Driver** is installed on the print server.
- The **Brother Pull Print Job Delete Tool** is installed on the print server.

### NOTE

To add a print queue, it is necessary to use the **Brother Secure Print Advanced Installer** again, otherwise the Secure Print Advanced solution does not work.

Double-click **start.exe** in the **PullPrintDriver** folder. The **PullPrintDriver** folder will be extracted to the current directory of the downloaded EXE file.



### Related Information

- [Configure the Print Server](#)

#### Related Topics:

- [If You Are Having Difficulty with Your Machine](#)

## Configure the Target Machine (Standalone Mode)


- [Access Web Based Management](#)
- [Configure the Network Profile to Link the Shared Folder \(Standalone Mode\)](#)
- [Configure the Target Machine to Activate Secure Print Advanced \(Standalone Mode\)](#)
- [Register a User on the Target Machine](#)
- [Register an ID Card on the Target Machine](#)
- [Verify that a User ID and ID Card are Assigned Correctly](#)
- [Test an ID Card \(Standalone Mode\)](#)

## Access Web Based Management

1. Start your web browser.
2. Type "http://machine's IP address" in your browser's address bar (where "machine's IP address" is the IP address of the machine or hostname).

For example:

https://192.168.1.2

3. If the machine prompts you for a password, type it, and then click .



- The default login password to manage machine settings is on the back of the machine and marked "Pwd".
- We recommend changing the default login password in order to protect your machine from unauthorized access and to make features and software more secure.



### Related Information

- [Configure the Target Machine \(Standalone Mode\)](#)

## Configure the Network Profile to Link the Shared Folder (Standalone Mode)

- >> [Configure the Network Profile](#)
- >> [Select the Network Profile in the Stored Print Jobs](#)

### Configure the Network Profile

- [Access Web Based Management](#)
- Click the **Administrator** tab.
- Click **Network Profile** in the left navigation bar.
- Select the network profile you want to use, select the **Network** option, and then click **Submit**.



- When configuring Multifunction (MFC) machines, use Profiles 1-10.
- When configuring both MFCs and printers, we recommend using Profiles 1-5.

- Set up the profile.

Option	Description
<b>Profile Name</b>	Type a name for this server profile (up to 15 alphanumeric characters).
<b>Network Folder Path</b>	Type the path (up to 64 characters recommended, depending on the character code) to the folder on the CIFS server where you want to send your print job.
<b>Auth. Method</b>	Select the authentication method.
<b>Username</b>	Type a user name (up to 96 characters) that has permission to write data to the folder specified in the <b>Network Folder Path</b> field. If the user name is part of a domain, type the user name in one of the following styles: <b>user@domain</b> <b>domain\user</b>
<b>Password</b>	Type the password (up to 32 characters) associated with the user name you entered in the <b>Username</b> field. Type the password again in the <b>Retype password</b> field.

- Click **Submit**.

### Select the Network Profile in the Stored Print Jobs

- [Access Web Based Management](#)
- Click the **Administrator** tab.
- Click **Stored Print Jobs** in the left navigation bar.
- Click the **Network Profile** drop-down list, and select the profile you just created.
- Click **Submit**.



### Related Information


- [Configure the Target Machine \(Standalone Mode\)](#)

## Configure the Target Machine to Activate Secure Print Advanced (Standalone Mode)

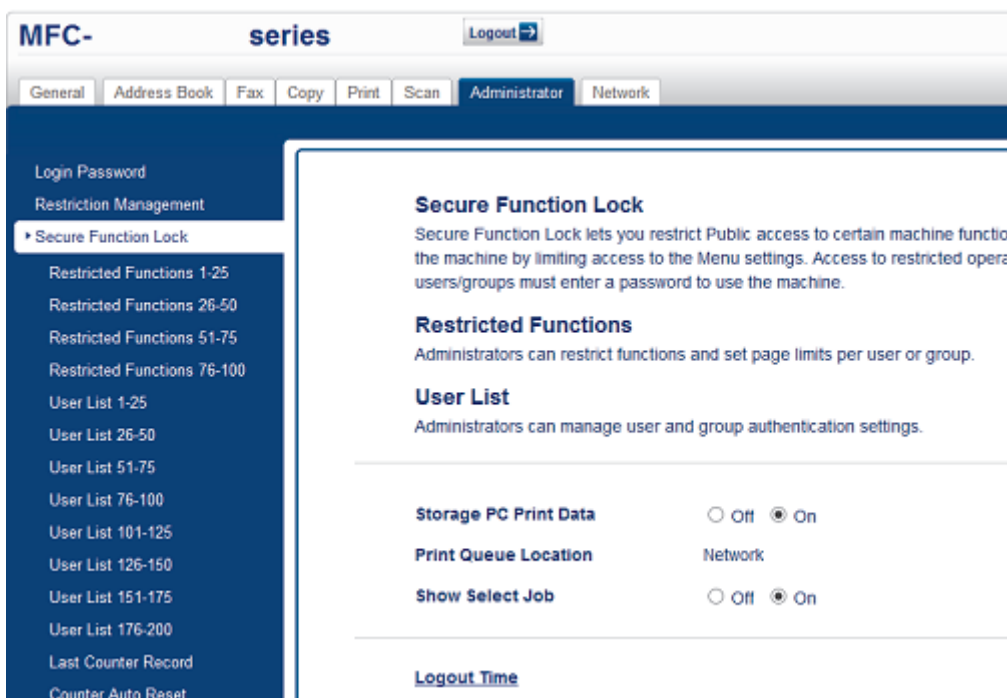
- The Secure Print Advanced solution must be activated on the target machine.
- The Brother machine must be connected to a network and accessible from a web browser.

1. [Access Web Based Management](#)
2. Click the **Administrator** tab.
3. Click **User Restriction Function** (or **Restriction Management**) in the left navigation bar.



Click  if the navigation menu is not shown on the left side of the screen.

4. Select the **Secure Function Lock** radio button, and then click **Submit**.
5. Click **Secure Function Lock** in the left navigation bar.



The screenshot shows the Brother MFC- series web interface. The top navigation bar includes tabs for General, Address Book, Fax, Copy, Print, Scan, Administrator, and Network. The Administrator tab is selected. The left navigation bar lists various settings, with 'Secure Function Lock' highlighted. The main content area displays the 'Secure Function Lock' configuration page. It includes a description of the feature, a 'Restricted Functions' section, a 'User List' section, and three toggle fields: 'Storage PC Print Data' (set to On), 'Print Queue Location' (set to Network), and 'Show Select Job' (set to On). A 'Logout Time' link is also visible at the bottom.

6. In the **Storage PC Print Data** field, select **On**.
7. In the **Print Queue Location** field, confirm that **Network** appears.



This option appears for all products for which Secure Print Advanced is enabled.

8. In the **Show Select Job** field, select **On**.



This option enables the print job list so that users must select their print jobs instead of allowing the machine to release them automatically.

9. Click **Submit**.



### Related Information

- [Configure the Target Machine \(Standalone Mode\)](#)

#### Related Topics:

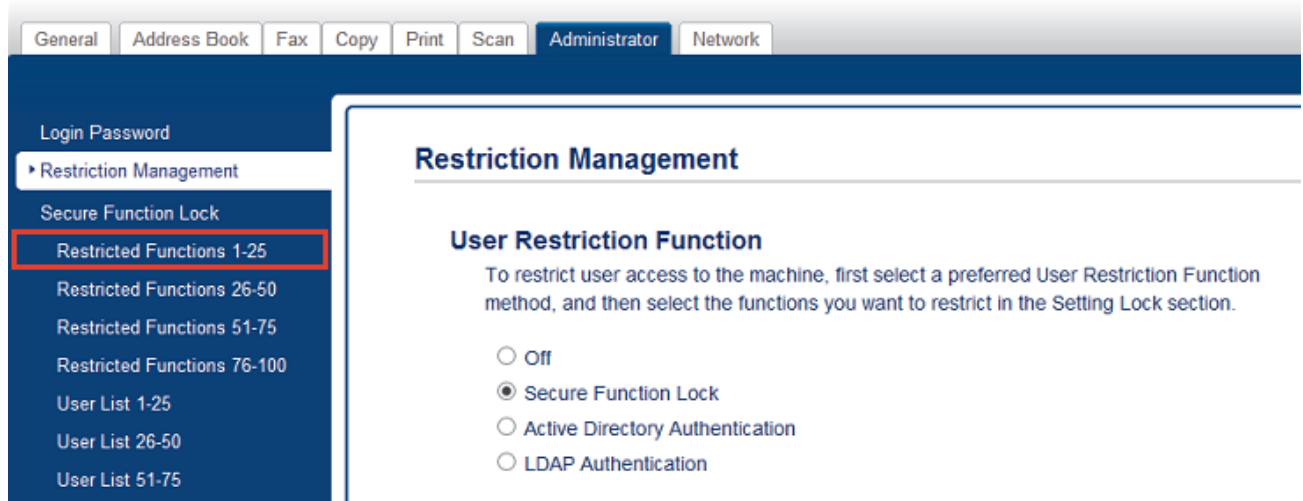
- [Test an ID Card \(Standalone Mode\)](#)
- [Print from the User's Computer](#)

## Register a User on the Target Machine

Make sure you use the user's Windows login as the user name.

1. Access [Web Based Management](#)
2. Click the **Administrator** tab.
3. Click one of the **Restricted Functions** options in the left navigation bar.

If you are configuring Secure Print Advanced for the first time, click the first **Restricted Functions / User Restriction Function** option listed.



4. Type the name of the user profile you want to configure in the **User List / Restricted Functions** column. This is the User ID.

User List / Restricted Functions	Functions											Page Limits (*)			Page Counters		
	Print	Copy	Scan	Fax		USB		Web Connect		Apps	On	Max. Pages	Color Print	All Counter Reset			
				Send	Receive	Direct Print*	Scan to	Upload	Download					Total	B&W	Color	
Public Mode	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="text" value="0"/>	<input checked="" type="checkbox"/>	0	0	0
1. <span style="border: 1px solid red; padding: 2px;">JOHNSMITH</span>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="text" value="0"/>	<input checked="" type="checkbox"/>	0	0	0
2. <input type="text"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="text" value="0"/>	<input checked="" type="checkbox"/>	0	0	0
3. <input type="text"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="text" value="0"/>	<input checked="" type="checkbox"/>	0	0	0

5. Click **Submit**.
6. Click one of the **User List** options in the left navigation bar. If you are configuring Secure Print Advanced for the first time, click the first **User List** option in the list.
7. Type the new user's name in the first blank cell in the **User List** column.

### IMPORTANT

You must use the user's Windows login name.



General Address Book Fax Copy Print Scan Administrator Network Brother Solutions Center Bottom ▼

Login Password  
 Restriction Management  
 Secure Function Lock  
 Restricted Functions 1-25  
 Restricted Functions 26-50  
 Restricted Functions 51-75  
 Restricted Functions 76-100  
**► User List 1-25**  
 User List 26-50  
 User List 51-75  
 User List 76-100

### User List

PC login name can be entered in the "User List". Using this method the device can authenticate users by their PC login name when printing from a PC.

	User List	PIN Number	E-mail Address	Card ID (NFC ID)	User List / Restricted Functions
1	SMITHJOHN	532			01 JOHNSMITH ▼
2					--- ▼
3					--- ▼
4					--- ▼
⋮					--- ▼

- Select the same name from the drop-down list in the **User List / Restricted Functions** column.



Be careful when typing names and IDs. The user cannot be recognized if the user's name is misspelled during registration.

- Type the user's PIN in the **PIN Number** column.  
This PIN is required when you register the user's ID card on the machine.

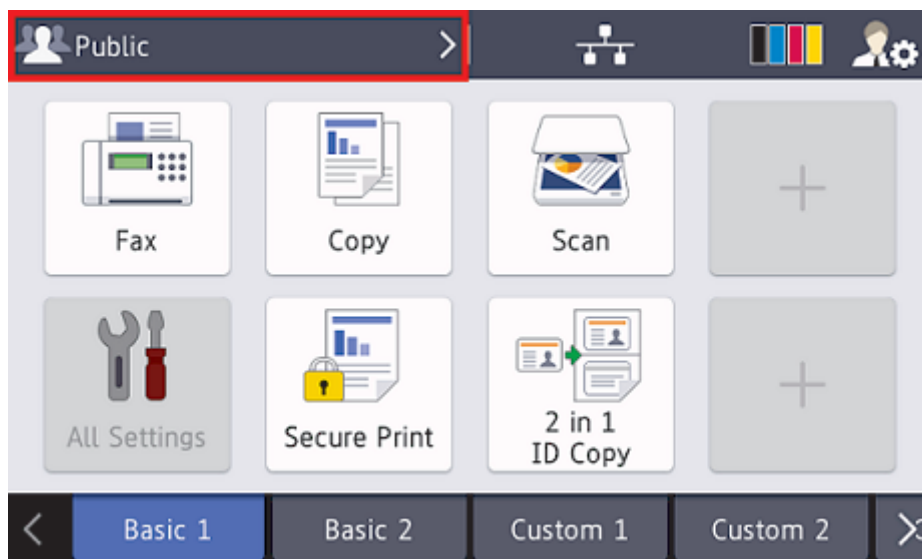


### Related Information

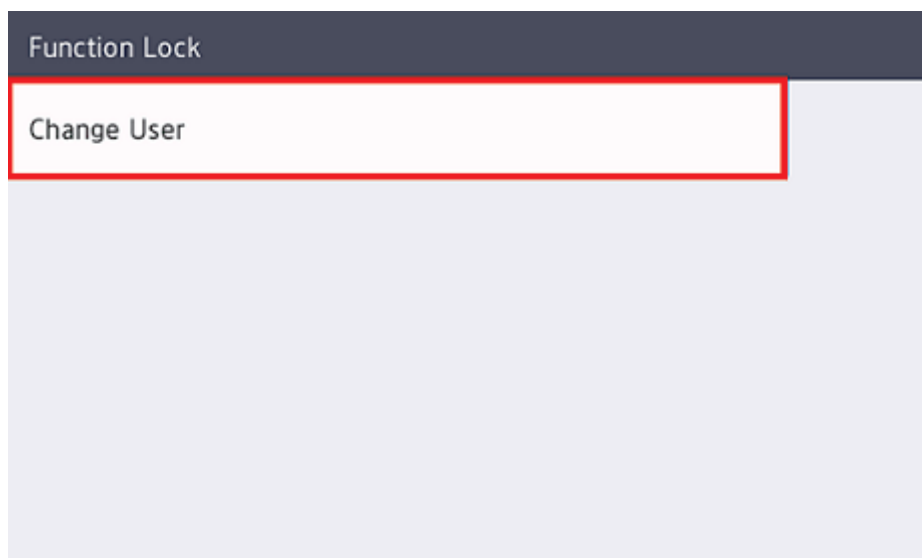
- [Configure the Target Machine \(Standalone Mode\)](#)

## Register an ID Card on the Target Machine

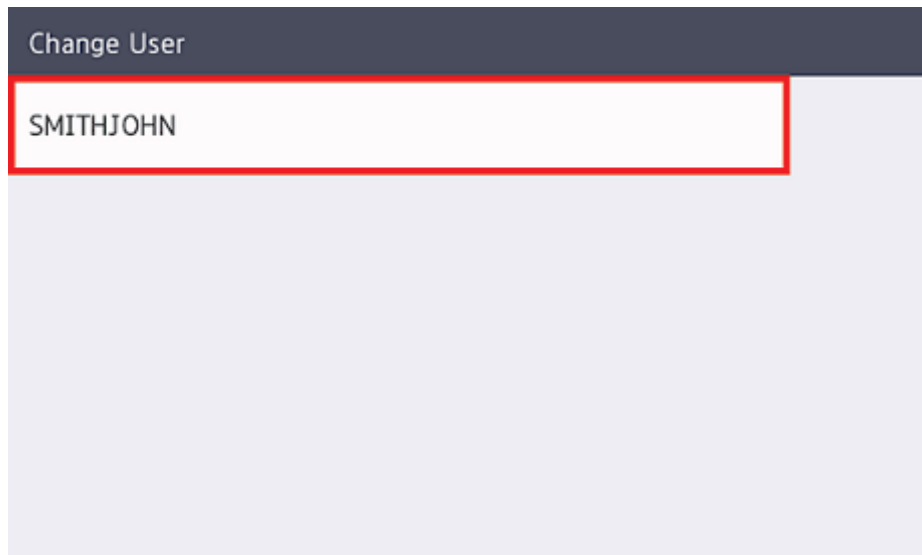
1. On the machine's LCD, press the [Public] profile.



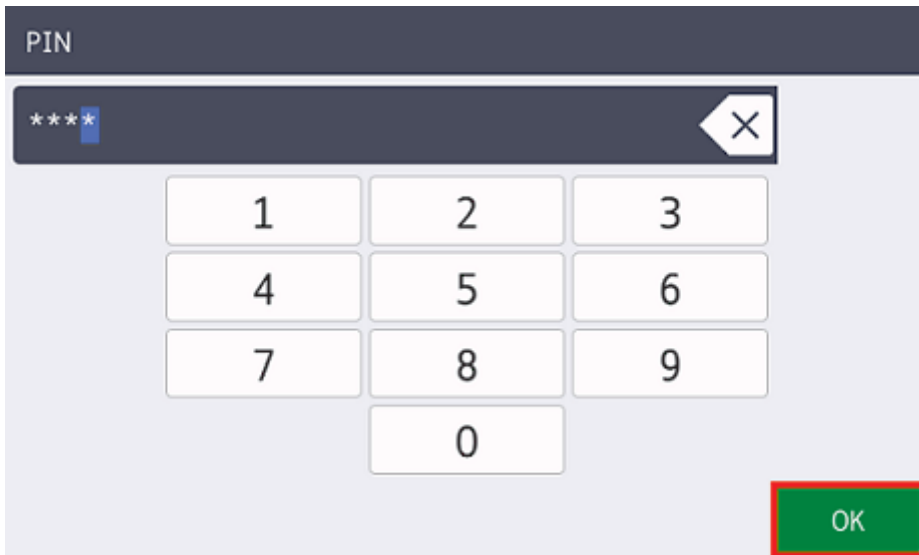
2. Press [Change User].



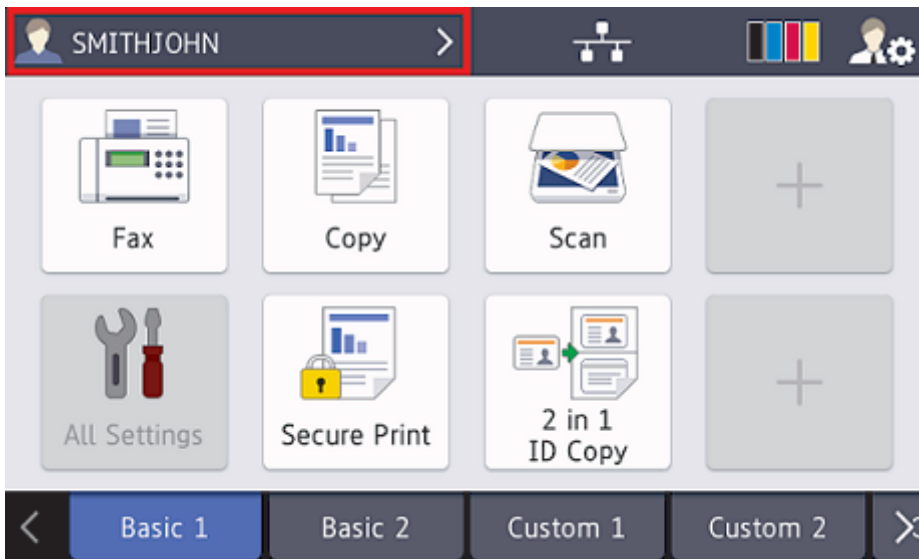
3. Press the user name registered in Web Based Management.



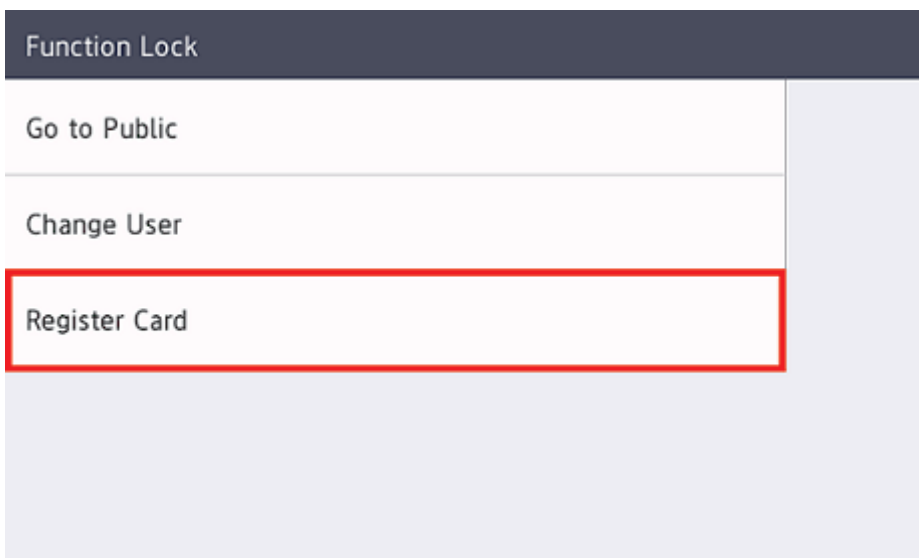
4. Enter the PIN you set for the user, and then press [OK].



5. Press the user name.



6. Press [Register Card].



7. Touch your ID card to the NFC symbol (📶) on the machine's control panel.  
The machine registers the ID card's new ID number.
8. Press [OK].



## Register Card

User ID :SMITHJOHN  
Card ID:7658538668074316  
Please touch your card and  
press [OK] to register.

OK



### Related Information

- [Configure the Target Machine \(Standalone Mode\)](#)

## Verify that a User ID and ID Card are Assigned Correctly

1. Access Web Based Management
2. Click the **Administrator** tab.
3. Click **Secure Function Lock** in the left navigation bar.
4. Click the **User List** that contains the user's information.

The screenshot shows the 'User List' configuration page in the Brother Solutions Center. The page has a top navigation bar with tabs for 'General', 'Address Book', 'Fax', 'Copy', 'Print', 'Scan', 'Administrator', and 'Network'. The 'Administrator' tab is selected. On the left, there is a navigation menu with options like 'Login Password', 'Restriction Management', 'Secure Function Lock', and 'User List 1-25'. The main content area is titled 'User List' and contains a table with the following columns: 'User List', 'PIN Number', 'E-mail Address', 'Card ID (NFC ID)', and 'User List / Restricted Functions'. The table has 11 rows, with the first row containing the user 'SMITHJOHN' with a PIN of 7532 and a Card ID of 7658538668074316. The 'User List / Restricted Functions' column for the first row shows '01 JOHNSMITH'.


	User List	PIN Number	E-mail Address	Card ID (NFC ID)	User List / Restricted Functions
1	SMITHJOHN	7532		7658538668074316	01 JOHNSMITH
2					---
3					---
4					---
5					---
6					---
7					---
8					---
9					---
10					---
11					---

5. Verify that the ID card is registered with the correct user and that the following are correct:
  - The user's ID in the **User List**
  - **PIN Number**
  - **Card ID (NFC ID)**
  - The **User List / Restricted Functions** properties
6. Before giving the ID card to the user, test its function on the Brother machine to make sure it is working correctly.

### ✓ Related Information

- [Configure the Target Machine \(Standalone Mode\)](#)

## Test an ID Card (Standalone Mode)

1. Send a print job to the machine you configured.
2. Touch the ID card to the NFC symbol () on the machine's control panel to release the print job.
  - **If the job prints**  
Give the ID card to the user and select the print retrieval method, see *Related Topics*.
  - **If the job does not print**  
Confirm the following:
    - User settings are configured in the machine's Web Based Management screen.
    - The User Name is correct in the machine's Web Based Management screen.
    - The ID card is registered on the machine.



### Related Information

- [Configure the Target Machine \(Standalone Mode\)](#)

#### Related Topics:

- [Configure the Target Machine to Activate Secure Print Advanced \(Standalone Mode\)](#)

## **Configure the Target Machine (Active Directory Authentication Mode)**

- [Configure the Network Profile to Link the Shared Folder \(Active Directory Authentication Mode\)](#)
- [Enable Active Directory Authentication](#)
- [Configure the Target Machine to Activate Secure Print Advanced \(Active Directory Authentication Mode\)](#)
- [Configure the LDAP Settings \(Active Directory Authentication Mode\)](#)
- [Configure Card Reader Settings \(Active Directory Authentication Mode\)](#)
- [Test the New ID Card \(Active Directory Authentication Mode\)](#)

## Configure the Network Profile to Link the Shared Folder (Active Directory Authentication Mode)

- >> [Configure the Network Profile](#)
- >> [Select the Network Profile in the Stored Print Jobs](#)

### Configure the Network Profile

1. [Access Web Based Management](#)
2. [Enable Active Directory Authentication](#)
3. Click the **Administrator** tab.
4. Click **Network Profile** in the left navigation bar.
5. Select the network profile you want to use, select the **Network** option, and then click **Submit**.



- When configuring Multifunction (MFC) machines, use Profiles 1-10.
- When configuring both MFCs and printers, we recommend using Profiles 1-5.

6. Set up the profile.

Option	Description
<b>Profile Name</b>	Type a name for this server profile (up to 15 alphanumeric characters).
<b>Network Folder Path</b>	Type the path (up to 64 characters recommended, depending on the character code) to the folder on the CIFS server where you want to send your print job.
<b>Auth. Method</b>	Select the authentication method.
<b>Username</b>	Type a user name (up to 96 characters) that has permission to write data to the folder specified in the <b>Network Folder Path</b> field. If the user name is part of a domain, type the user name in one of the following styles: <b>user@domain</b> <b>domain\user</b>
<b>Password</b>	Type the password (up to 32 characters) associated with the user name you entered in the <b>Username</b> field. Type the password again in the <b>Retype password</b> field.

7. Click **Submit**.

### Select the Network Profile in the Stored Print Jobs

1. [Access Web Based Management](#)
2. [Enable Active Directory Authentication](#)
3. Click the **Administrator** tab.
4. Click **Stored Print Jobs** in the left navigation bar.
5. Click the **Network Profile** drop-down list, and select the profile you just created.
6. Click **Submit**.

### ✓ Related Information

- [Configure the Target Machine \(Active Directory Authentication Mode\)](#)



## Enable Active Directory Authentication

1. [Access Web Based Management](#)
2. Click the **Administrator** tab.
3. Click **User Restriction Function** (or **Restriction Management**) in the left navigation bar.



Click ☰ if the navigation menu is not shown on the left side of the screen.

4. Select the **Active Directory Authentication** radio button.

The screenshot shows a web management interface with a top navigation bar containing tabs for 'General', 'Address Book', 'Fax', 'Copy', 'Print', 'Scan', 'Administrator', and 'Network'. The 'Administrator' tab is active. On the left, a navigation menu is visible with 'Restriction Management' selected. The main content area is titled 'Restriction Management' and contains a section for 'User Restriction Function'. Below this section, there is a text instruction: 'To restrict user access to the machine, first select a preferred User Restriction Function method, and then select the functions you want to restrict in the Setting Lock section.' Below the text are four radio button options: 'Off', 'Secure Function Lock', 'Active Directory Authentication', and 'LDAP Authentication'. The 'Active Directory Authentication' option is selected and highlighted with a red rectangular box.

5. Click **Submit**.



### Related Information

- [Configure the Target Machine \(Active Directory Authentication Mode\)](#)

## Configure the Target Machine to Activate Secure Print Advanced (Active Directory Authentication Mode)

### Brother Machine Requirements

- The target machine must support Active Directory Authentication.
- The Secure Print Advanced solution must be activated on the target machine.
- The target machine must be connected to a network and accessible from a web browser.

### Active Directory Requirements

- An accessible Active Directory server with LDAP protocol support.
- The ability to add NFC card IDs into Active Directory.
- A service (IT) account with a non-expiring password.

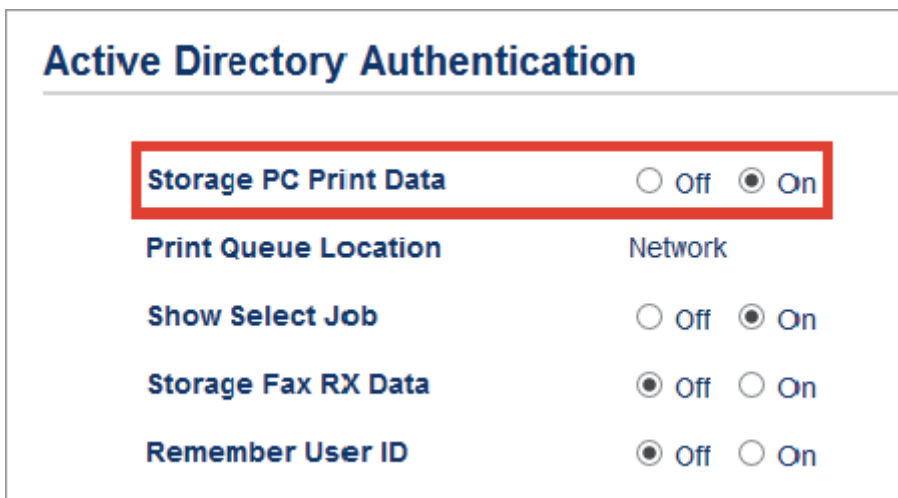
### Card Reader Requirements

An external NFC card reader for initial registration of the NFC card ID into Active Directory.

### Other Requirements

SNTP synchronization of the date and time between the target machine and the Active Directory server.

1. [Access Web Based Management](#)
2. [Enable Active Directory Authentication](#)
3. Click the **Administrator** tab.
4. In the **Storage PC Print Data** field, select **On**.



The screenshot shows the 'Active Directory Authentication' settings page. The 'Storage PC Print Data' option is highlighted with a red box and is set to 'On'. Other options include 'Print Queue Location' (Network), 'Show Select Job' (On), 'Storage Fax RX Data' (Off), and 'Remember User ID' (Off).

Option	Off	On
Storage PC Print Data	<input type="radio"/>	<input checked="" type="radio"/>
Print Queue Location	Network	
Show Select Job	<input type="radio"/>	<input checked="" type="radio"/>
Storage Fax RX Data	<input checked="" type="radio"/>	<input type="radio"/>
Remember User ID	<input checked="" type="radio"/>	<input type="radio"/>

5. In the **Print Queue Location** field, confirm that **Network** appears.



This option appears for all products for which Secure Print Advanced is enabled.

6. In the **Show Select Job** field, select **On**.



This option enables the print job list so that users must select their print jobs instead of allowing the machine to release them automatically.

7. In the **Active Directory Server Address** field, type the IP address or Fully Qualified Domain Name (FQDN) of your Active Directory server.



If you are using the FQDN name, configure the DNS settings under **Network > Wired/Wireless > Advanced Settings**

**Active Directory Server Settings**

Active Directory Server Address

Active Directory Domain Name

Protocol & Authentication Method

Get Mail Address  Off  On

Get User's Home Directory  Off  On

LDAP Server Port

LDAP Search Root

If your server supports LDAPv3 then you can automatically search for candidates by pressing the "Fetch DNSs" button. If there are multiple candidates available, you will be able to select the one you want to use from the drop down menu.

Fetch DNSs

8. Specify the **Active Directory Domain Name** (also known as the NETBIOS name).

**Active Directory Server Settings**

Active Directory Server Address

Active Directory Domain Name

Protocol & Authentication Method

Get Mail Address  Off  On

Get User's Home Directory  Off  On

LDAP Server Port

LDAP Search Root

If your server supports LDAPv3 then you can automatically search for candidates by pressing the "Fetch DNSs" button. If there are multiple candidates available, you will be able to select the one you want to use from the drop down menu.

Fetch DNSs

9. Select the **Protocol & Authentication Method** used by your Active Directory server. The standard setting is "LDAP + kerberos".

**Active Directory Server Settings**

Active Directory Server Address

Active Directory Domain Name

**Protocol & Authentication Method**

Get Mail Address  Off  On

Get User's Home Directory  Off  On

LDAP Server Port

LDAP Search Root

If your server supports LDAPv3 then you can automatically search for candidates by pressing the "Fetch DNS" button. If there are multiple candidates available, you will be able to select the one you want to use from the drop down menu.

Fetch DNS

10. Specify the **LDAP Server Port** number (Default: 389).

Available only for the **LDAP + kerberos** authentication method.

**Active Directory Server Settings**

Active Directory Server Address

Active Directory Domain Name

Protocol & Authentication Method

Get Mail Address  Off  On

Get User's Home Directory  Off  On

**LDAP Server Port**

LDAP Search Root

If your server supports LDAPv3 then you can automatically search for candidates by pressing the "Fetch DNS" button. If there are multiple candidates available, you will be able to select the one you want to use from the drop down menu.

Fetch DNS

11. Specify the **LDAP Search Root** to indicate the part of your Active Directory server with which the Brother machine needs to communicate.

Available only for the **LDAP + kerberos** authentication method.

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### Active Directory Server Settings

Active Directory Server Address

Active Directory Domain Name

Protocol & Authentication Method

Get Mail Address  Off  On

Get User's Home Directory  Off  On

LDAP Server Port

**LDAP Search Root**

If your server supports LDAPv3 then you can automatically search for candidates by pressing the "Fetch DNs" button. If there are multiple candidates available, you will be able to select the one you want to use from the drop down menu.



Most modern Active Directory servers can help you configure this. Click the **Fetch DNs** button and then select the LDAP search root you want from the list.

---

12. Click **Submit**.



### Related Information

- [Configure the Target Machine \(Active Directory Authentication Mode\)](#)

#### Related Topics:

- [Test the New ID Card \(Active Directory Authentication Mode\)](#)
  - [Print from the User's Computer](#)
-

## Configure the LDAP Settings (Active Directory Authentication Mode)

1. [Access Web Based Management](#)
2. [Enable Active Directory Authentication](#)
3. Click the **Administrator** tab.
4. Select **Active Directory Authentication** in the left navigation bar.
5. Click **LDAP**.

**LDAP Server Port**

**LDAP Search Root**

If your server supports LDAPv3 then you can automatically search for candidates by pressing the "Fetch DNS" button. If there are multiple candidates available, you will be able to select the one you want to use from the drop down menu.

[SNTP>>](#)

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[Logout Time>>](#)

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[LDAP>>](#)

6. In the **LDAP Search** field, click **On**.
7. In the **LDAP Server Address** field, type the IP address or Fully Qualified Domain Name (FQDN) of your Active Directory server (1 – 64 ASCII characters).  
For example: 192.0.0.1, ldap.example.net.

**LDAP**

LDAP Search  Off  On

---

**Quick Settings**

**LDAP Server Address**

**Port**

**Search Root**

If your server supports LDAPv3 then you can automatically search for candidates by pressing the "Fetch DNs" button. If there are multiple candidates available, you will be able to select the one you want to use from the drop down menu.

**Fetch DNs**

**Authentication**  Simple  Anonymous  Kerberos

**Username**

**Password**

Enter password

Retype password



If you are using the FQDN name, configure the DNS settings under **Network > Wired/Wireless > Advanced Settings**

- Specify the **Port** number (1 – 65535, Default: 389).

**LDAP**

LDAP Search  Off  On

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**Quick Settings**

LDAP Server Address

**Port**

**Search Root**

If your server supports LDAPv3 then you can automatically search for candidates by pressing the "Fetch DNs" button. If there are multiple candidates available, you will be able to select the one you want to use from the drop down menu.

Fetch DNs

**Authentication**  Simple  Anonymous  Kerberos

**Username**

**Password**

Enter password

Retype password

9. Specify the **Search Root** option to indicate the part of your Active Directory server with which the Brother machine needs to communicate (1 – 255 UTF8 characters).  
For example: dc = example, ou = sales, o = company.

**LDAP**

LDAP Search  Off  On

---

**Quick Settings**

LDAP Server Address

Port

**Search Root**

If your server supports LDAPv3 then you can automatically search for candidates by pressing the "Fetch DNs" button. If there are multiple candidates available, you will be able to select the one you want to use from the drop down menu.

Fetch DNs

**Authentication**  Simple  Anonymous  Kerberos

**Username**

**Password**

Enter password

Retype password





Most modern Active Directory servers can help you configure this. Click the **Fetch DNs** button and then select the LDAP search root you want from the list.

10. Select the **Authentication** method to connect to the LDAP server.

### LDAP

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LDAP Search  Off  On

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#### Quick Settings

LDAP Server Address

Port

Search Root

If your server supports LDAPv3 then you can automatically search for candidates by pressing the "Fetch DNs" button. If there are multiple candidates available, you will be able to select the one you want to use from the drop down menu.

Fetch DNs

**Authentication**  Simple  Anonymous  Kerberos

Username

Password

Enter password

Retype password

11. Depending on the authentication method you selected, do the following:

Option	Instructions
<b>Simple</b>	(1) Type the Username and Password of the service account as follows: <ul style="list-style-type: none"> <li>Username: ID name (cn = admin, ou = sales, o = company) (1 – 255 UTF8 characters)</li> <li>Password: Your service account password (1 – 32 UTF8 characters)</li> </ul> (2) Go to the next step.
<b>Anonymous</b>	Go to the next step.
<b>Kerberos</b>	(1) Type the Username and Password of the service account as follows: <ul style="list-style-type: none"> <li>Username: ID name (cn = admin, ou = sales, o = company) (1 – 255 UTF8 characters)</li> <li>Password: Your service account password (1 – 32 UTF8 characters)</li> </ul> (2) (Optional) To use a server other than the LDAP server, clear the <b>Kerberos Server is the same as LDAP Server.</b> check box, and then type the host name or IP address of the Kerberos server in the <b>Kerberos Server Address</b> field (1 – 64 ASCII characters).           (3) Go to the next step.

12. Specify the search key necessary to connect to the LDAP server (the NFC card ID in Active Directory) in the **Attribute of Card ID (Search Key)** field (1 – 64 ASCII characters).

**Attribute of Card ID (Search Key)**

Attribute of Name

[Active Directory Authentication>>](#)

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13. Specify the attribute name necessary to connect to the LDAP server in the **Attribute of Name (Search Key)** field (1 – 64 ASCII characters, default: cn).

**Attribute of Card ID (Search Key)**

**Attribute of Name**

[Active Directory Authentication>>](#)

14. Click **Submit**.

- **If the configuration is successful**

The Brother machine returns a search query from the LDAP address book, for example, a user's email address.

- **If the configuration is unsuccessful**

The machine shows the appropriate error message.

For more information, see *Related Topics*:

### **Related Information**

- [Configure the Target Machine \(Active Directory Authentication Mode\)](#)

**Related Topics:**

- [Error Messages](#)
-

## Configure Card Reader Settings (Active Directory Authentication Mode)

1. [Access Web Based Management](#)
2. [Enable Active Directory Authentication](#)
3. Click the **Administrator** tab.
4. Click **Card Reader Setting** in the left navigation bar.

### Card Reader Setting

**USB card reader support**  Off  On

**Internal NFC reader**  Off  On

---

**NFC Reader**

**Supported Types**

---

**NFC Data Format**

**Notation**  Decimal  Hexadecimal

**Byte Order**  Normal  Reverse

**Limit Data Length**

**Add Leading Character**

**Add Trailing Character**

Option	Instructions
If you use an external card reader	(1) In the <b>USB card reader support</b> field, click <b>On</b> .
If you use an internal card reader	(1) In the <b>Internal NFC reader</b> field, click <b>On</b> . (2) In the <b>Supported Types</b> drop-down list, select the supported types of internal NFC card reader. (3) Specify the <b>Notation</b> format of the card ID obtained by the internal NFC card reader and then submitted to the server. (4) Specify the <b>Byte Order</b> of the card ID obtained by the internal NFC card reader. (5) Specify the maximum data length of the card ID obtained by the internal NFC card reader and submitted to the server in the <b>Limit Data Length</b> field (1 – 255, Default: 20). (6) (Optional) In the <b>Add Leading Character</b> field, type the prefix of the card ID obtained by the internal NFC card reader (1 – 20 ASCII characters, Default: blank). (7) (Optional) In the <b>Add Trailing Character</b> field, type the suffix of the card ID obtained by the internal NFC card reader (1 – 20 ASCII characters, Default: blank).

5. Click **Submit**.

Before you give the ID card to the user, test the function to make sure it is working correctly.

For more information, see *Related Topics*.



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## Related Information


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- [Configure the Target Machine \(Active Directory Authentication Mode\)](#)

### **Related Topics:**

- [Test the New ID Card \(Active Directory Authentication Mode\)](#)
-

## Test the New ID Card (Active Directory Authentication Mode)

1. Send a print job to the machine you configured.
2. Touch the ID card to the NFC symbol () on the machine's control panel to release the print job.
  - **If the job prints**  
Give the ID card to the user. Select the print retrieval method, see *Related Topics*:
  - **If the job does not print**  
Confirm the following:
    - The ID registered in Active Directory matches the NFC card's ID.
    - User settings are configured in the machine's Web Based Management screen.



### Related Information

- [Configure the Target Machine \(Active Directory Authentication Mode\)](#)

#### Related Topics:

- [Configure the Target Machine to Activate Secure Print Advanced \(Active Directory Authentication Mode\)](#)
- [Configure Card Reader Settings \(Active Directory Authentication Mode\)](#)

## Set Up the User's Computer

1. Access the print server from the user's computer.
2. Double-click the shared driver to install the **Brother Pull Print Driver**.



### Related Information

- [Configuration](#)
-

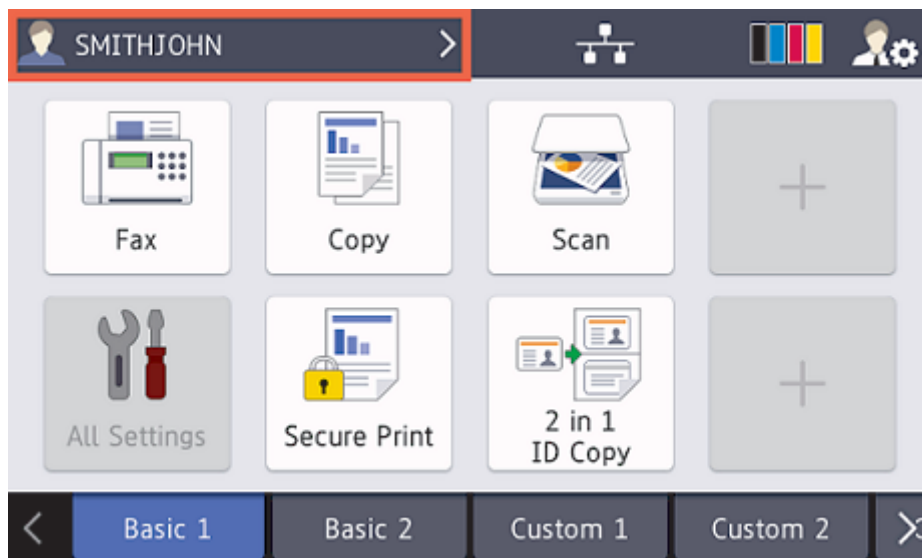
## Print from the User's Computer

- [If the Job List is Disabled](#)
- [If the Job List is Enabled \(If the print job is sent before you log into the machine\)](#)
- [Configure the Target Machine to Activate Secure Print Advanced \(Standalone Mode\)](#)
- [Configure the Target Machine to Activate Secure Print Advanced \(Active Directory Authentication Mode\)](#)

## If the Job List is Disabled

1. Send a print job to the print server using the **Brother Pull Print Driver** on the user's computer.
2. Touch your ID card to the NFC symbol () on the machine's control panel.

Your user name appears in the top left corner and your print job is released.



### ✓ Related Information

- [Print from the User's Computer](#)



## If the Job List is Enabled (If the print job is sent before you log into the machine)

1. Send a print job to the print server using the **Brother Pull Print Driver** on the user's computer.
2. Touch your ID card to the NFC symbol (📶) on the machine's control panel.
3. Select the print job you want, and then press [Print].



### ✓ Related Information

- [Print from the User's Computer](#)

## Use the Brother Pull Print Job Delete Tool


This tool allows the administrator to monitor the stored print jobs and delete them automatically

1. Do one of the following:

- Windows 10


Click  > **Brother Pull Print Job Delete Tool**.

- Windows 8.1

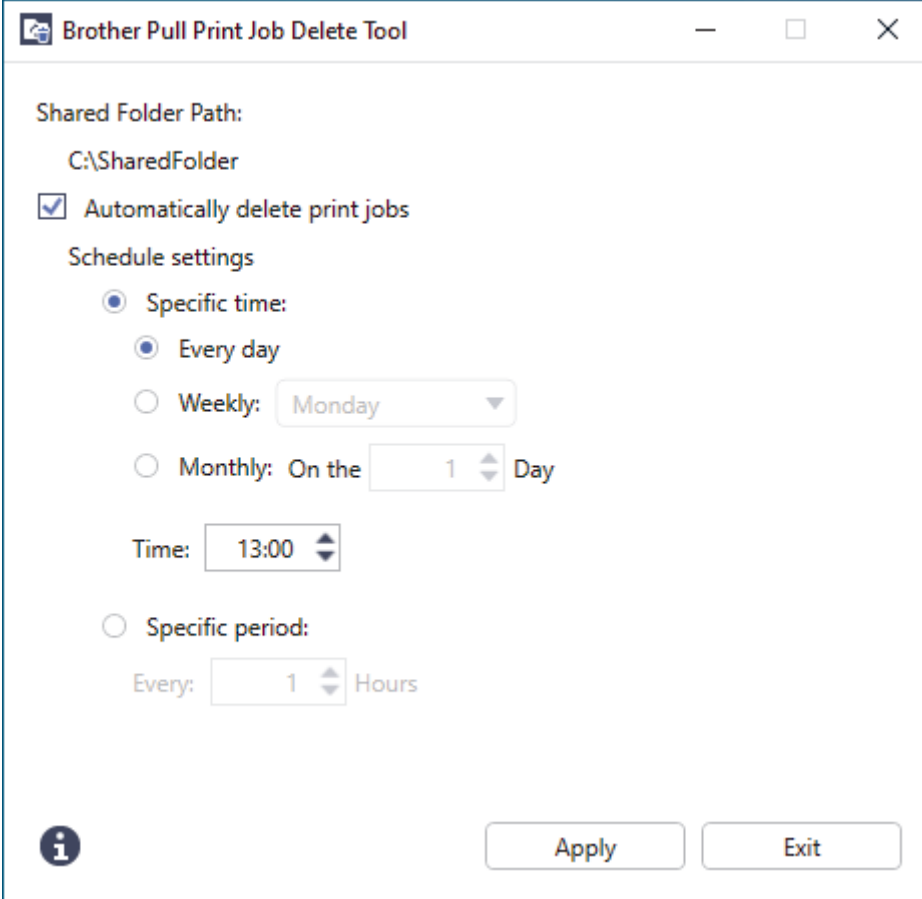
Move your mouse to the lower left corner of the **Start** screen and click  (if using a touch-based device, swipe up from the bottom of the **Start** screen to bring up the **Apps** screen).

When the **Apps** screen appears, tap or click **Brother Pull Print Job Delete Tool**

- Windows 7

Click  (**Start**) > **All Programs** > **Brother Pull Print Job Delete Tool**.

2. Select the **Automatically delete print jobs** check box.



Brother Pull Print Job Delete Tool

Shared Folder Path:  
C:\SharedFolder

Automatically delete print jobs

Schedule settings


Specific time:

- Every day
- Weekly: Monday
- Monthly: On the 1 Day

Time: 13:00

Specific period:

Every: 1 Hours



3. Set the **Schedule settings**.

4. Click **Apply**.

## Troubleshooting

- [Error Messages](#)
- [If You Are Having Difficulty with Your Machine](#)

## Error Messages

Error	Solution
No Data Stored	<ul style="list-style-type: none"> <li>Make sure the login name you use to access your machine is the same as your PC login name.</li> <li>Make sure the print server's shared printer driver is <b>Brother Pull Print Driver</b> and try to print with it.</li> </ul>

### Active Directory

Error	Solution
Authentication Error	<ul style="list-style-type: none"> <li>Make sure the service account's username and password are correct.</li> <li>Make sure the "Attribute of Card ID" in the LDAP settings is correct.</li> <li>Make sure the machine's date and time are set correctly.</li> </ul>
Internal Error	<ul style="list-style-type: none"> <li>Make sure the machine is connected to the network.</li> <li>Make sure all settings are configured correctly.</li> <li>Restart the machine.</li> </ul>
LDAP Error	<ul style="list-style-type: none"> <li>Make sure the domain controller is configured correctly and connected to the network.</li> <li>Make sure the machine is connected to the network.</li> </ul>
Server Busy	The server is busy. Try again later.
Server Timeout	<ul style="list-style-type: none"> <li>Domain controller does not exist.</li> <li>Domain controller did not connect to the network.</li> <li>Make sure the machine is connected to the network.</li> </ul>
Wrong Date & Time	You must configure the SNTP protocol (network time server) or set the date, time and time zone correctly for all authentication methods. The time must match the time used by the Kerberos Server and CIFS Server.

### Cannot connect to the print server

Error	Solution
Authentication Error	<ul style="list-style-type: none"> <li>Make sure the username and password in the authentication setting are correct, and that the account used has sufficient permissions to write/read to each user's home folder.</li> <li>Make sure the SNTP time server is configured correctly. If there is no SNTP server, make sure the <b>Date&amp;Time</b> and <b>Time Zone</b> settings are set correctly by using Web Based Management or the machine's control panel.</li> </ul>
Communication error	Your machine cannot access the destination folder. <ul style="list-style-type: none"> <li>Make sure the folder name is correct.</li> <li>Make sure the folder is write-enabled.</li> </ul>
Server Timeout	Your machine fails to connect the server. Make sure your network connection and the folder settings are correct.
Wrong Date & Time	You must configure the SNTP protocol (network time server) or set the date, time and time zone correctly for all authentication methods. The time must match the time used by the Kerberos Server and the CIFS Server.



### Related Information

- [Troubleshooting](#)

## If You Are Having Difficulty with Your Machine

Difficulties	Suggestions
<p>Print jobs are not displayed on the machine's control panel.</p> <hr/> <p>Print jobs are not stored for each user in a shared folder on the print server.</p>	<ol style="list-style-type: none"> <li>1. Click  &gt; <b>Windows System</b> &gt; <b>Control Panel</b>. In the <b>Hardware and Sound</b> group, click <b>View devices and printers</b>.</li> <li>2. Right-click the <b>Brother Pull Print Driver</b>, and then select the <b>Printer properties</b> option.</li> <li>3. Make sure the <b>Printer properties</b> are configured correctly as follows:</li> </ol> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;"> </div> <div style="border: 1px solid #ccc; padding: 5px;"> </div> <p>Make sure "NUL" is specified for the port.</p>

### ✔ Related Information

- [Troubleshooting](#)
- [Error Log File](#)

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**Related Topics:**

- Install the **Brother Pull Print Driver** on the Print Server
-

## Error Log File

If there is an error, check the Error Log File for more information, or contact your local Brother office.

### Error Log File Location:

[%SystemDrive%\Brother\PrtDrv\PullPrinting\logs]

### Error Log File Name:

[ErrorPullPrintDriver.log ]



### Related Information

- [If You Are Having Difficulty with Your Machine](#)
-

## System Requirements

<b>OS</b>	Windows 7, Windows 8.1, Windows 10 Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019
<b>OS Components</b>	.Net Framework 4.5
<b>Languages</b>	<b>Brother Pull Print Driver</b> Arabic, Bulgarian, Chinese, Croatian, Czech, Danish, Dutch, English, Finnish, French, German, Hungarian, Indonesian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Romanian, Russian, Serbian, Slovak, Slovenian, Spanish, Swedish, Thai, Turkish, Ukrainian, Vietnamese <b>Brother Pull Print Job Delete Tool</b> Chinese, English, French, German, Italian, Japanese, Portuguese, Spanish <b>Brother Secure Print Advanced Installer</b> Chinese, English, French, German, Italian, Japanese, Portuguese, Spanish

### Related Information

**Related Topics:**

- [Secure Print Advanced Overview](#)



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