

EveryonePrint Integration with Ricoh Streamline NX

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1. Overview

EveryonePrint supports advanced integration with the Ricoh Streamline NX print accounting and print management solution.

This guide outlines the optimal configuration settings for integration with Ricoh Streamline NX for print job authentication for AD/LDAP users, and guest printing with release code. For detailed information on other EveryonePrint features and possibilities refer to the main EveryonePrint documentation.

1.1 Prerequisites and Requirements

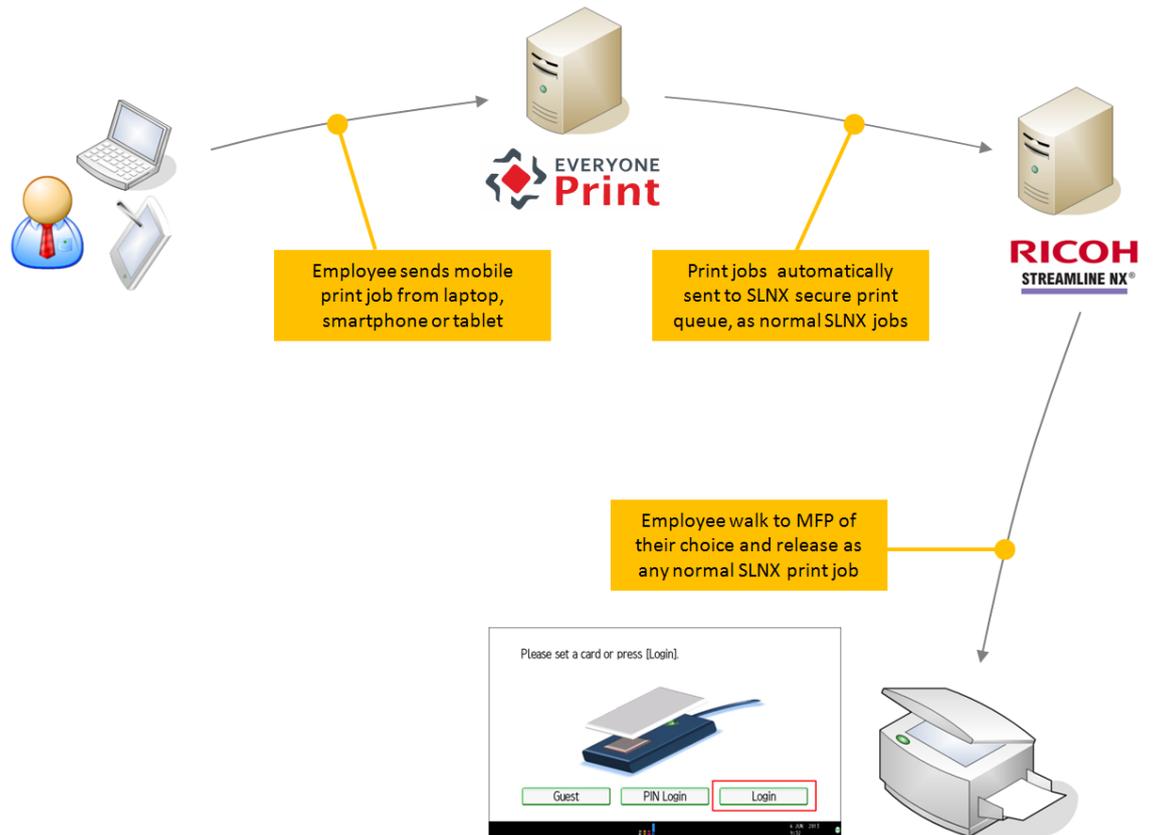
EveryonePrint must be minimum version 3.4.

2. Added features with Ricoh Streamline NX integration

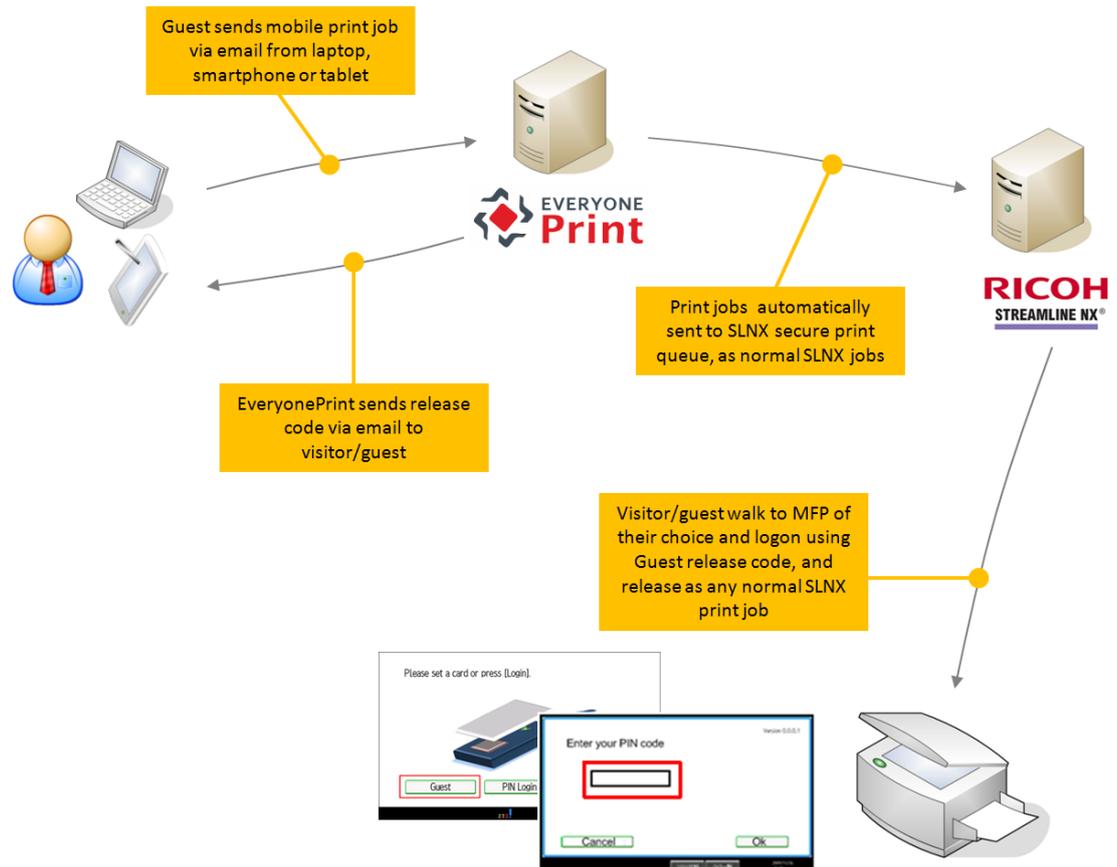
When Ricoh Streamline NX integration is enabled in EveryonePrint, the following additional features are available:

- The ability for both users who are member of LDAP and visitors/guests/temporary users who are not member of the Active Directory/LDAP, to be able to send documents to print via email and release on Streamline NX controlled MFP's.
 - Print jobs from users member of LDAP, are forwarded to Streamline NX secure print queue for release on Ricoh MFP
 - Print jobs from visitors/guests/temporary users, guest receive release code, job is sent to Streamline NX secure print queue, for release using "Guest" release capability in Streamline NX

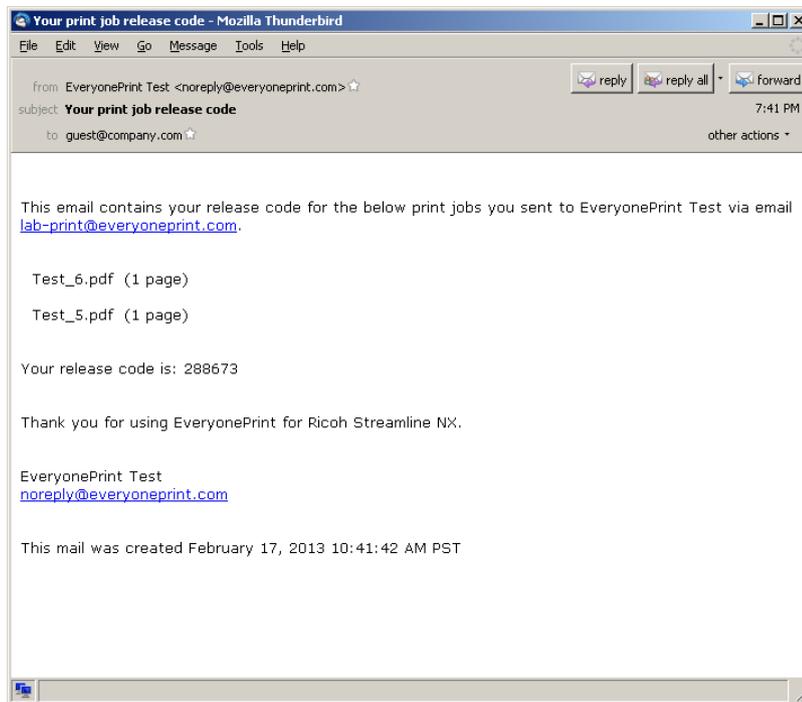
2.1 Print jobs from users who are member of LDAP



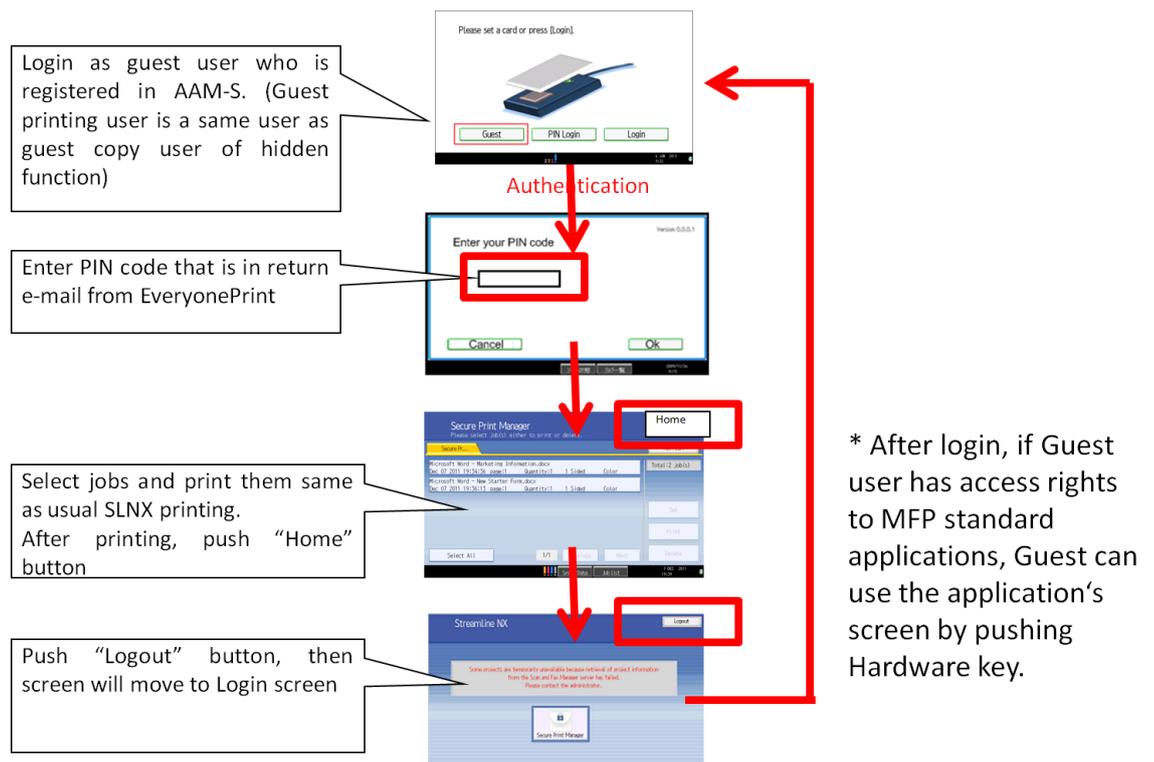
2.2 Print jobs from visitors/guests/temporary users, not member of LDAP



2.3 Sample email to visitor/guest/temporary user with release code



2.4 Streamline NX screen flow for guests



3. How to enable Streamline NX integration in EveryonePrint

1. From Windows services, stop the **EveryonePrint Web Service**
2. In the root directory of the EveryonePrint installation, open the file eop.xml in a text editor such as Notepad
3. Find the entry `<edition>` and change this to

```
<edition>waccount</edition>
```

4. Find entry `<editionacct>` and change this to

```
<editionacct>slnx</editionacct>
```

```
.....  
lowselfreg>true</mailallowselfreg><mailrestrictdomainlist/><maillookupldap  
port><edition>waccount</edition><editionacct>slnx</editionacct><mailsi  
tesize>5</mailimagedelete><printdefaultduplex>1</printdefaultduplex>  
.....
```

5. Save the eop.xml file
6. Start the EveryonePrint Web Service

4. How to enable guest release option in Streamline NX

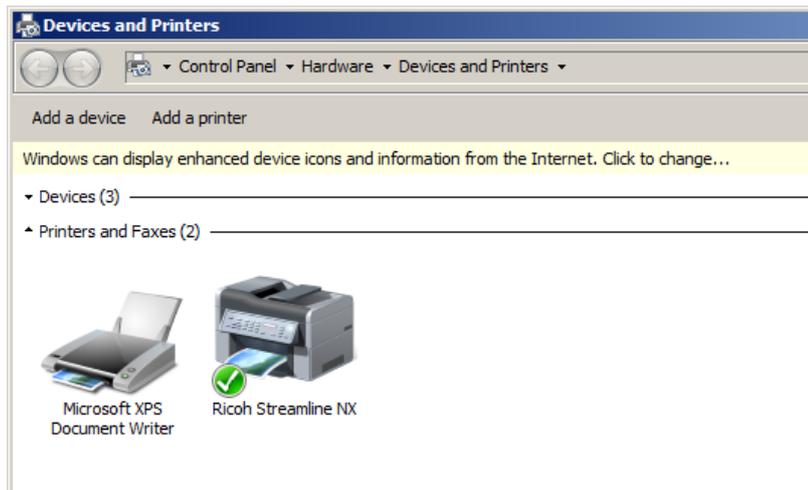
In Ricoh internal system open LocalCustomizations to get: "A2013-04 SLNX HotSpot Integration" which details how to enable the release code integration and guest release capability on Streamline NX.

5. Configuration guide

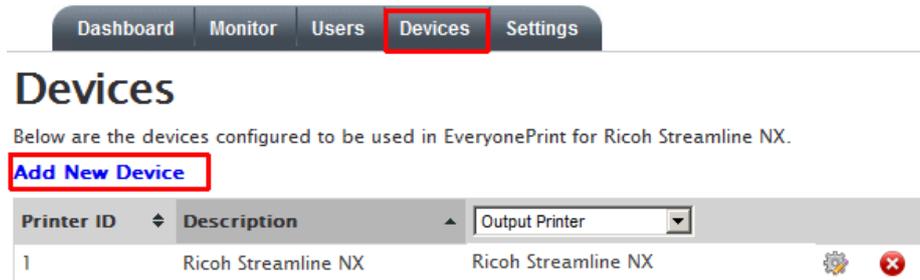
Below is the recommended optimal configuration for EveryonePrint integrated with Streamline NX for both authenticated and guest printing, side-by-side.

5.1 Configure print queue

Ensure a local Windows print queue has been added to the EveryonePrint server, which points to the desired Ricoh Streamline NX destination queue.



Add this printer to the EveryonePrint **Devices**.



For more information about creating print queues, and printing from an EveryonePrint server to remote print servers with print accounting or print management systems, refer to the main EveryonePrint documentation, sections “1.6 EveryonePrint with print accounting solutions” and “12. Printing to remote print servers”

5.2 Set EveryonePrint Edition

In EveryonePrint Admin **General Settings**, choose **EveryonePrint Add-on to accounting** and **Ricoh Streamline NX**.

EveryonePrint Edition Configuration

Choose the configuration below which is most relevant for this installation. Depending on the selection below, different features will be enabled.

EveryonePrint Secure - Standalone EveryonePrint is installed standalone without a print accounting solution

EveryonePrint Connect - Add-on to accounting EveryonePrint is installed as an add-on to a print accounting or print management solution

Choose the print accounting solution to enable specific additional features:

Ricoh Streamline NX document management

Other print accounting solution

5.3 Set direct printing to Ricoh Streamline NX queue

In **Printing and Security** choose **Direct with Authentication** and the Ricoh Streamline NX print queue, for all print jobs to be delivered automatically to the Ricoh Streamline NX queue.

Direct Print

Print jobs are released immediately to the selected print queue below. Use this option if an external secure printing solution is used or if print jobs should be printed directly immediately.

Print queue for direct print:

Direct with No Authentication - What this means?

- Web print - Any user can access the Web print portal and upload documents to print. Owner of the job is IP address of client sending job
- Driver print - All users can print via driver. Prints are released directly to selected queue. Owner is sending computers username or IP address
- Email Print - All email print jobs are directly released to specific queue. Owner of the job is the email address of sending user

Direct with Authentication - What this means?

- Web print - Users must logon Web portal to upload print jobs.
- Driver print - Users supplies authentication information in printer configuration
- Email print - Users must logon and associate email address with username

5.4 Configure LDAP authentication

Configure LDAP authentication to validate employee users who are member of the domain, and for EveryonePrint to search for employee email addresses.

Changes saved successfully.

Authentication test using test user account completed successfully.

Authentication test using LDAP administrator login completed successfully.

Authentication Method

No authentication - Any username or password entered is accepted. No validation of login takes place. This setting is useful for initial setup, but not recommended for production use, as any login is accepted.

Authentication via LDAP - Users enter username and password which is authenticated against the LDAP server below.

LDAP Server IP/hostname:	<input type="text" value="192.168.18.107"/>
LDAP Server port:	<input type="text" value="389"/> (default 389 for non-SSL and 636 for SSL)
Start search DN:	<input type="text" value="dc=lab3,dc=local"/>
Field containing username:	<input type="text" value="sAMAccountName"/> Typically "sAMAccountName" or "cn" (without the quotes)
Field containing email address:	<input type="text" value="mail"/>
User object class:	<input type="text" value="user"/>
Field containing users device group names (leave blank if not used):	<input type="text"/>
LDAP administrator username:	<input type="text" value="administrator@lab3.local"/>
LDAP administrator password:	<input type="password" value="....."/>
You can test the entered LDAP settings by entering a login for a normal user below.	
Test username:	<input type="text" value="johnsmith"/>
Test password:	<input type="password" value="...."/>

Save and Test

5.5 Configure Email Print

Configure and enable Email Print.

Email Print

Check the box below to enable email printing in EveryonePrint for Ricoh Streamline NX. When enabled, EveryonePrint for Ricoh Streamline NX will connect to your mail server to retrieve emails containing print jobs, using your settings below.

Email print enabled

Email Print Server Settings

Please refer to the EveryonePrint for Ricoh Streamline NX Documentation for more information about configuration of the incoming mail server settings.

It is recommended to restart the EveryonePrint for Ricoh Streamline NX service after changing the below mail server settings. This is not required for all mail servers, but generally recommended.

Email Print Address

Enter the email address to which users can send documents print from computers or mobile devices.

Email Print Address:

Incoming Mail Server Settings

Mail server type:

Mail server address:

Tip! Incoming mail server ports used:

POP3 non-SSL: port 110

POP3 SSL: port 995

IMAP non-SSL: port 143

IMAP SSL: 993

Incoming Mail Account Settings

Username:

Password:

If for some reason you are unable to configure an email account, please contact EveryonePrint support, and we can provide you with a temporary account on the EveryonePrint mail servers for initial setup and demo purposes, such as your-company@everyoneprint.net.

5.6 Configure Email Authentication

In the **Email Print** configuration, enable **Search LDAP for email address to lookup username** to enable lookup of users from email address, and choose **Unknown senders are guests, send email with release code**.

Email Authentication

Lookup Email Addresses

Search LDAP for email address to lookup username

For email address lookup in LDAP, LDAP settings must be successfully configured under [User Authentication](#).

Unknown Senders

Choose how EveryonePrint for Ricoh Streamline NX will handle email from unknown senders.

Do nothing, email from unknown senders are discarded

Allow user self registration

Unknown senders are guests, send email with release code

5.7 Configure Outgoing email

Configure outgoing email settings, and confirm a test email is delivered, for EveryonePrint to send email to guests, containing their release code.

Outgoing Mail Server

Server:

Port:

Use SSL:

Use TLS:

Tip! Default outgoing mail server ports:
SMTP non-SSL: port 25
SMTP SSL: port 465

6. Test and confirm configuration

Send 2 emails, one as a member of the Active Directory/LDAP and one as an unknown user.

In the **Monitor** in the EveryonePrint Admin, each job is listed.

Print Job Monitor

Last 20 Print Jobs

Date/Time	JobID	Source	User	Filename	Status
2/17/13 9:44 AM	5	Email	Guest (release code)	Another_document.pdf	Printed
2/17/13 9:43 AM	4	Email	johnsmith	My_document.pdf	Printed

The guest user will receive an email with release code.

