Register ME

Administrator's Guide

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Contents

Overview.....3

Configuring Lexmark Register ME.....4

Configuring application settings.....4

Verifying that the application is configured correctly.....5

Using Lexmark Register ME.....6

Configuring the printer for use with Register ME.....6

Troubleshooting.....7

The application cannot be accessed.....7

Authentication failed.....8

Card reader not found.....8

Appendix.....9

Notices.....11

Index.....12

Overview

Lexmark Register ME allows users to authenticate against an LDAP server, and then register an associated identification card on a Document Accounting server. This application can be installed on printers supporting *Lexmark Embedded Solutions Framework* (eSF) 1.2 or later.

Note: To run Register ME in a Pharos Blueprint environment, you need a Lexmark iMFP or iPR Network Terminal Object, as well as a script that can process registration and authentication information. If *Embedded Document Accounting Solution* (eDAS) is also installed, then the script must authenticate using the credentials provided by eDAS.

Configuring Lexmark Register ME

Configuring application settings

1 Access the application configuration settings from the Embedded Web Server.

2 Configure the following settings:

LDAP Server Settings

- **Address**—Type the IP address or the host name of the LDAP server where the authentication occurs.
- **Port**—Enter the port number that the application uses to communicate with the LDAP server. Without SSL enabled, the default LDAP port is 389; with SSL enabled, the default LDAP port is 636.
- **User Attribute**—Type the name of the node that contains user IDs on the LDAP server.
- **Mail Attribute**—Type the name of the node that contains e-mail attributes on the LDAP server.
- **Search Base**—Specify the node in the LDAP server where user accounts reside. Multiple search bases may be entered, separated by commas.
- **Anonymous Bind**—Select this setting to enable anonymous binding to the LDAP server, or clear the check box to require credentials for binding.
- **LDAP Username**—If Anonymous Bind is not selected, then provide the user name required for binding to the LDAP server.
- **LDAP password**—If Anonymous Bind is not selected, then provide the password required for binding to the LDAP server.
- **Enable SSL**—Select this setting to use a secure connection to the LDAP server.
- **SSL Certificate**—Click **Browse** or **Choose File** to locate the security certificate to use when connecting to the LDAP server. This is required if Enable SSL is selected.

Document Accounting Server Settings

- **URL**—Type the URL for the Document Accounting server.
- **Password**—Type the password required to connect to the Document Accounting server.

Home Screen Button

- **Text**—Type up to 20 characters to appear above the application button on the printer home screen. This field is optional.
- **Icon**—Browse to a new image file that represents the profile on the printer home screen. The image is either a GIF, PNG, or JPEG that measures 120 x 75 pixels and does not exceed 11KB. This field is optional.
- **Icon (When Pressed)**—Browse to a new image file to display while pressing the profile icon. The image is either a GIF, PNG, or JPEG that measures 120 x 75 pixels and does not exceed 11KB. This field is optional.

Display Settings

- **Card Prompt Message**—Type a custom message of up to 256 characters to display when users are asked to swipe their cards. This field is optional.

3 Save or discard your changes.

Verifying that the application is configured correctly

Use the Test function to verify that the printer and the Document Accounting server can communicate with each other. Make sure that the application is running to use the Test function successfully.

1. Access the application configuration settings from the Embedded Web Server.
2. Make sure the URL and password of the Document Accounting server are correct.
3. Click **Test**.

   A message appears, indicating the connection status between the application and the Document Accounting server.
4. If necessary, click **Apply** to save any changes to the URL and password of the Document Accounting server.

Using Lexmark Register ME

Configuring the printer for use with Register ME

1. From the printer home screen, touch **Register ME**.
2. Enter your user name for the LDAP server, and then touch **OK**.
3. Enter your password for the LDAP server, and then touch **OK**.
4. Swipe your ID card.

   A message appears indicating whether registration was successful. If the message indicates success, then your ID card is now registered on the document accounting server. See the Troubleshooting section for information about specific error messages.
5. Touch **OK** or to return to the printer home screen.

Troubleshooting

The application cannot be accessed

This error message indicates that the application is having difficulty communicating with the Document Accounting server. Try one or more of the following:

Make sure the application is configured correctly

The two configuration properties that establish communication between the Document Accounting server and the application are:

- The URL that points to the WSDL file for the Document Accounting server
- The server password

Make sure the Document Accounting server is configured correctly

- Check that the Document Accounting server is turned on and ready to receive SOAP messages from the application.
- Verify that the URL and password for the Document Accounting server are correct. For information on how to access the application, see "Accessing application configuration settings using the Embedded Web Server" on page 9.

Make sure the LDAP settings are correct

For information on accessing LDAP settings through the Embedded Web Server, see "Configuring application settings" on page 4.

Make sure the authentication scripts on the Document Accounting server are valid

For information on creating and editing scripts, see the documentation that came with your Document Accounting software.

Check the system log

1. From the Embedded Web Server, click **Settings** or **Configuration**, and then do one of the following:
   - Click **Apps** > **Apps Management**.
   - Click **Device Solutions** > **Solutions (eSF)**.
   - Click **Embedded Solutions**.
2. Click **System** > **Log**.
3. From the Filter menu, select an application status.
4. From the Application menu, select an application, and then click **Submit**.

Authentication failed

Try one or more of the following:

Make sure the user has entered correct credentials

Make sure the LDAP server information is configured correctly

For information on configuring LDAP settings through the Embedded Web Server, see "Configuring application settings" on page 4.

Card reader not found

Try one or more of the following:

Make sure the card reader is connected to the printer

Make sure the card reader cable is securely connected to the printer.

Make sure the drivers for the card reader are up to date

For information on updating the drivers, see the documentation that came with the card reader.

Update the firmware for the printer

For information on updating the firmware, see the documentation that came with the printer.

Appendix

Accessing application configuration settings using the Embedded Web Server

1 Obtain the printer IP address:
   - From the printer home screen
   - From the TCP/IP section in the Network/Ports menu
   - By printing a network setup page or menu settings page, and then finding the TCP/IP section

Note: An IP address appears as four sets of numbers separated by periods, such as 123.123.123.123.

2 Open a Web browser, and then type the printer IP address in the address field.

   The Embedded Web Server appears.

3 From the navigation menu on the left, click **Settings** or **Configuration**, and then do one of the following:
   - Click **Apps** > **Apps Management**.
   - Click **Device Solutions** > **Solutions (eSF)**.
   - Click **Embedded Solutions**.

4 From the list of installed applications, click the application you want to configure, and then click **Configure**.

Exporting and importing a configuration using the Embedded Web Server

You can export configuration settings into a text file, and then import it to apply the settings to other printers.

1 From the Embedded Web Server, click **Settings** or **Configuration**, and then do one of the following:
   - Click **Apps** > **Apps Management**.
   - Click **Device Solutions** > **Solutions (eSF)**.
   - Click **Embedded Solutions**.

2 From the list of installed applications, click the name of the application you want to configure.

3 Click **Configure**, and then do one of the following:
   - To export a configuration to a file, click **Export**, and then follow the instructions on the computer screen to save the configuration file.

     Note: If a `JVM Out of Memory` error occurs, then repeat the export process until the configuration file is saved.
   - To import a configuration from a file, click **Import**, and then browse to the saved configuration file that was exported from a previously configured printer.

     Notes:

     – Before importing the configuration file, you can choose to preview it first.
     – If a timeout occurs and a blank screen appears, then refresh the Web browser, and then click **Apply**.

Checking which version of the Embedded Solutions Framework is installed on a printer

1. Obtain the printer IP address:
   - From the printer home screen
   - From the TCP/IP section in the Network/Ports menu
   - By printing a network setup page or menu settings page, and then finding the TCP/IP section

   Note: An IP address appears as four sets of numbers separated by periods, such as 123.123.123.123.
2. Open a Web browser, and then type the printer IP address in the address field.
3. From the Embedded Web Server, click **Reports** > **Device Settings**.
4. Scroll down until you see “Embedded Solutions” (usually found near the bottom).
5. In the Embedded Solutions section, note the value next to “Framework =”. This signifies the installed version.

Note: To view the complete list of supported printers for each version of the Embedded Web Server, see the *Readme* file.

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Index

A

accessing application configuration settings
  using the Embedded Web Server 9
application cannot be accessed 7
application configuration settings
  accessing 9
authentication failure 8

C

card reader not found 8
configuration
  verifying for the application 5
configuring
  Register ME settings 4

E

Embedded Solutions Framework
  checking version number 10
Embedded Web Server
  accessing application configuration settings 9
  using to configure Register ME settings 4
  using to verify correct configuration 5
exporting a configuration
  using the Embedded Web Server 9
exporting a configuration using the Embedded Web Server 9

I

importing a configuration
  using the Embedded Web Server 9
importing a configuration using the Embedded Web Server 9

N

notices 11

O

overview
  Register ME 3

R

Register ME
  overview 3
  using 6

S

settings
  configuring for Register ME 4

T

troubleshooting
  application cannot be accessed 7
  authentication failure 8
  card reader not found 8