Education Station

Administrator's Guide

April 2013

www.lexmark.com

Contents

Overview....4

Ports used by the Education Station system....4

Managing licenses....6

Licensing applications....6

Managing licenses for the Education Station server....6

Finding the host ID....6

Activating licenses for the Education Station Software....6

Configuring the applications....8

Configuring applications using the Embedded Web Server (EWS)....8

Accessing application configuration settings using the Embedded Web Server....8

Customizing the display icon....8

Configuring Print Test and Grade Test....9

Changing the server profiles used....9

Configuring Background and Idle Screen....9

Adding Background and Idle Screen images....9

Exporting and importing configuration files....10

Exporting and importing a configuration using the Embedded Web Server....10

Configuring the Education Station Server....11

Overview of installing the Education Station server....11

Installing the Education Station server....11

Configuring advanced options....12

Accessing advanced configuration options in Lexmark Management Console....12

Configuring CSV reports....12

Enabling scan previews....12

Enabling scanning from both the ADF and scanner glass....13

E-mailing reports....13

Using the applications....14

Using Print Test and Grade Test....14

Using Print Test....14

Using Grade Test....14

Using Background and Idle Screen....15

Changing the background image using the printer control panel....15

Using the Education Station Software Status application.....16
Overview of the Education Station Software Status application.....16
Understanding status information.....16
Repairing common server problems.....17
Adding Education Station printers to the server.....17
Removing Education Station printers from the server.....18

Using the Virtual Solution Center.....19
Downloading non-English test packs using Virtual Solutions Center.....19

Troubleshooting.....20
Background and Idle Screen troubleshooting.....20
"There are no images to display" error message appears.....20
"Image size exceeds limit" error message appears.....20
Education Station Server troubleshooting.....20
Configuring the system when DHCP is not available.....20
License error.....21
Make sure the application is licensed.....21
Make sure the license is up-to-date.....21

Appendix.....22

Notices.....24

Index.....34

Overview

Lexmark™ *Education Station* is a collection of applications used to customize your *multifunction printer* (MFP) for your work environment. Several applications have been installed on the MFP to help make frequently performed tasks faster and more efficient. This allows users to do the following directly from the printer:

- Scan documents at the printer, and then send the scanned documents to a network destination. From the network destination, the documents can be either stored or rerouted.
- Print test forms and then grade them automatically.

This guide will help you configure the applications to provide the custom features needed by your users. For information on physically setting up your printer and installing it on the network, as well as using standard MFP features such as copy, fax, and basic printing, see the *Software and Documentation* CD or *User's Guide* that came with the printer.

Ports used by the Education Station system

Communication using the following ports should be allowed on the network.

Notes:

- Ports depend on the implementation of the Education Station system and may differ from the listing shown here.
- Any ports used by forms printers are determined by the Education Station server administrator.

Component	Port	Protocol	Function
Database	3050	TCP	Database communications
Load balancer	4113	TCP	Web adapter (JMX)
	9700	TCP	Profile submission to e-Task printers, Web adapter (JMX)
	9705	TCP	Apache agent
	9780	TCP	Load balancer communications, including LMC
Server	4111	TCP	JMX
	5111	TCP	RMI
	8009	TCP	AJP/Tomcat connector (load balancer worker)
	9743	TCP	Profile submission to printers using SSL
	9780	TCP	Profile submission to printers
	9788	TCP	Profile submission to printers

Component	Port	Protocol	Function
Printer	79	TCP	Finger
	161	UDP	SNMP, device discovery
	5000	TCP	Policy updates, ObjectStore plain text communication
	5353	UDP	Multicast DNS
	6000	UDP	Device discovery, ObjectStore communication using XML protocol
	6100	UDP	Device discovery, policy updates, *Lexmark Secure Transport* (LST) encrypted data
	6110	TCP	Device discovery, policy updates, LST authentication and negotiation
	9100	TCP	Printing, policy updates
	9300	UDP	Device discovery, NPA protocol UDP communications
	9500	TCP	NPA protocol TCP communications
Software clients	9780	TCP	Profile submission
	9788	TCP	Profile submission

Managing licenses

Licensing applications

Applications require a valid electronic license to run on select printers.

For more information on purchasing a license for an application, contact your Lexmark representative.

Managing licenses for the Education Station server

Finding the host ID

Each license file installed on the server is associated with a host ID on the server, which is the physical address (MAC address) of a network adapter in the server without hyphens or other punctuation. During installation, the host ID is shown by clicking **Activate and Download License File(s)**. If you do not have access to the installation files, or if you have multiple host IDs and want to determine which is associated with the network adapter connected to the same network as your Education Station printers, then do following:

1. Click , or click **Start** and then click **Run**.
2. In the Start Search or Run dialog, type **`cmd`**.
3. Press **Enter**, or click **OK**.
4. Type **`ipconfig /all`**, and then press **Enter**.
5. If you want to use the host ID associated with the network adapter connected to the same network as your Education Station printers, then determine the correct network adapter using the description and IP address.

   Note: The host ID of any listed network adapter is appropriate for creating license files as long as the associated network adapter remains in the server. However, using the host ID associated with the network adapter connected to the same network as your Education Station printers may help avoid future confusion.
6. Write down the physical address shown with the selected network adapter, removing the hyphens, and then store it in a safe place for use as the host ID in the Lexmark Licensing Portal.

Activating licenses for the Education Station Software

Before installing the Education Station Software, make sure to activate the associated licenses. Activation associates the server license and each MFP license with the physical address of the server and generates license files that will only work with that server.

1. Sign in to the Flexera Web site at **https://manager.subscribenet.com/service/snetmgr/login**.
2. Click **Entitlements** tab > **Advanced Search**.
3. In the “Catalog item name” section, type **`Education Station Server`**, and then click **Search**.
4. In the System Entitlement ID section, click **70384571**.
5. In the Catalog Item IDs section at the bottom of View Entitlement ID section, mouse over **View** beside 82S0371, and then click **View Licenses**.

6 Click **Generate**.

7 Type the server host information, and then click **Generate**.

Configuring the applications

Configuring applications using the Embedded Web Server (EWS)

The application can be manually configured using the Embedded Web Server (EWS) of a device. However, the setup procedure has to be completed for each device running the application. Setting up the application using the Embedded Web Server is recommended for networks where a relatively small number of devices will be used.

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**.

Customizing the display icon

1. Access the application configuration settings from the Embedded Web Server.
2. From the Configure, Profile, or Profiles page, add or edit a profile, and then change the settings if necessary:
   - **Button Text** or **Text**—Type up to 20 characters that will appear above the profile button on the printer home screen. This field is optional.
   - **Button Icon** or **Icon**—Browse to a new image file that represents the profile on the printer home screen. This field is optional.
   - **Button Icon when pressed** or **Icon when pressed**—Browse to a new image file that will be displayed while the profile icon is being pressed. This field is optional.

     Notes:

     - For printers running the Embedded Solutions Framework (eSF) version 3.0 or later, the image should be a PNG file with a transparent background, and should measure 192 x 302 pixels. It should not exceed 11KB in size.
     - For printers running eSF version 2.0, the image should be a GIF, PNG, or JPEG file, and should measure 120 x 75 pixels.

- For printers running eSF version 1.2, the image should be a GIF file and should measure 120 x 75 pixels.
- If you are unsure about which version of eSF your printer is running, then see “Checking which version of the Embedded Solutions Framework is installed on a printer” on page 22.

3 Save or discard your changes.

Configuring Print Test and Grade Test

Print Test and Grade Test lets users print test forms and then grade them automatically after students have completed them.

The Grade Test application requires a licensed Education Station server. For more information, contact your Lexmark representative.

Changing the server profiles used

The Configure tab of the Print and Grade Test solutions on the Embedded Web Server allows you to change the server profile used for the Grade Test solution and optionally assign a server profile to be used with the Print Test solution.

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.

3 Click **Configure**, and then do one of the following:
- To change the profile used for the Grade Test solution, change the server profile name in the Grade Test section.
- To change the default message shown on the printer control panel if the profile cannot be found, type a message in the Profile Not Found Message field.
- To assign a server profile to the Print Test solution, type a server profile name in the Print Test section.
- To change the default message shown on the printer control panel if the printer cannot connect to the server, type a message in the Server Unavailable Message field.

4 Click **Apply**.

Configuring Background and Idle Screen

Adding Background and Idle Screen images

When selecting images to include for the home screen background or idle screen, resize or crop the source images to the size you want before use. The application does not resize or crop images automatically.

Maximum file sizes and supported file types vary by printer model. For more information, see the mouse-over help in the Embedded Web Server.

1. Access the application configuration settings from the Embedded Web Server.
2. Under Idle Screen Images, click **Add**.

   Note: You can also edit and delete existing images.
3. Type an image name, and then upload the file you want to use.

   Note: Make sure to upload an image when adding an idle screen image entry. An idle screen image entry with no image attached will not be displayed.
4. Click **Apply**.
5. Repeat step 2 through step 4 to add more idle screen images. You can add up to ten images.
6. Under Idle Screen Settings, make sure **Enable** is selected, and then adjust the settings as necessary.
7. Under Home Screen Background, make sure **Enable** is selected.
8. Select one of the default images, or select **Custom**, and then upload the file you want to use.
9. Click **Apply**.

Exporting and importing configuration files

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**.

Configuring the Education Station Server

Overview of installing the Education Station server

1. Extract the zip file containing the Education Station installer to a temporary location.
2. Run Setup.exe.
3. Activate the licenses purchased for the server. For more information, see “Activating licenses for the Education Station Software” on page 6.
4. Install the server software. For more information, see “Installing the Education Station server” on page 11.

   Note: After you complete the entire installation process, you can safely delete the files from the temporary location.

Installing the Education Station server

1. In the installation dialog, click **Install Education Station**.
2. Read the license agreement, and then click **Agree**.
3. Click **Next**.

   Note: If you want to change the installation path, then click the folder icon to select the destination where you want to store the installation files.
4. Select an IP address of the server containing the Education Station printer, and then click **Next**.
5. Add the license files by clicking the folder icon to browse to the folder where you stored the license files, and then click **Next**.
6. Type the host name or IP address of your Education Station printer, and then click **Add**.
7. Add each printer associated with the current server, and then click **Next**.
8. Do either of the following:
   - Select **Default** if you want to create a default grading scale.
   - Select **Custom** if you want to create a custom grading scale.
     a. Type a grade and the minimum percentage of correct answers necessary to achieve that grade.

        Note: The grade is not required to be a single letter. You may specify any name up to 15 characters in length for a grade, including letters, numbers, and punctuation, such as **`Excellent!`** or **`A+`**.
     b. Click **Add**.
     c. Add each grade.

        Notes:

        - You must specify at least two grades.
        - You must specify one grade with the minimum percentage of correct answers set to **`0`**.
        - To remove a grade, select it in the list, and then click **Remove**.

9 Click **Finish**.

Wait for the installation to complete.

10 Click **Done**.

Note: It will take a few minutes for the server to fully configure itself and for the Lexmark Education Station Status Page to load correctly.

Configuring advanced options

Accessing advanced configuration options in Lexmark Management Console

1 Launch LMC from your Web browser using the URL **`http://hostname:9780/lmc`**, where ***`hostname`*** is the host name or IP address of the computer on which the Education Station Software is installed.

Notes:

- It may take several minutes to start all services when the Education Station Software is first booted. If LMC cannot be accessed immediately after booting the system, then wait a few minutes, and then try again.
- Cookies must be enabled on your Web browser in order to use LMC.
- Adobe Flash Player 10 or later is required. If your Web browser settings do not allow ActiveX controls to run, then you must upgrade manually by visiting the Adobe Web site.

2 Enter the administrator user name and password, and then click **Login**.

Notes:

- The default user name and password are both **`admin`**.
- If LMC is configured to connect to an LDAP server, then any valid user name and password may be used.

The Home tab is displayed upon successful login.

3 Click the **Solutions** tab.

4 Select **Education Station** from the Solutions list.

5 Select **Configuration** from the Tasks list.

Configuring CSV reports

You can configure the application to save grading reports in CSV (comma-separated values) format.

1 From the Education Station solution configuration page in Lexmark Management Console, select **Generate CSV Data (Student ID forms only)**.

Note: CSV reports are created only when completed “Student ID” fields appear on the scanned test forms.

2 To include a time stamp in the file name of the report, select **Append timestamp to data files**.

Enabling scan previews

To enable previews of the answer key and the answer sheets on the printer control panel, select **Enable Scan Preview** from the Education Station solution configuration page in Lexmark Management Console.

Enabling scanning from both the ADF and scanner glass

To enable scanning one job from both the *automatic document feeder* (ADF) and scanner glass, select **Enable Job Build** from the Education Station solution configuration page in Lexmark Management Console. When Job Build is enabled, users are prompted whether to continue scanning and from which source after each source is scanned.

E-mailing reports

1. Configure the Education Station Software to communicate with your SMTP server.
   a. From Lexmark Management Console, click the **Services** tab.
   b. From the Services list, select **Email**.
   c. In the “Email server hostname / ip address” field, type the host name or IP address of your SMTP server.
   d. If you use a port other than the default to communicate with your SMTP server, then type the port number in the “Email server port number” field.
   e. If your SMTP server requires authentication, then type the user name in the “User Id to log onto email server” field, and then type the password in the “Password to log onto email server” field.
   f. Click **Apply**.
2. Click the **Solutions** tab, and then select **EducationStation** from the Solutions list.
3. Select **E-mail Reports**.
4. In the “E-mail sender address” field, type the e-mail address that you want to appear as the sender of the reports.
5. In the “E-mail recipient address” field, type the default e-mail address to which the reports will be sent.
6. If you want to let the user type a recipient e-mail address for each grading report at the printer, then select **Prompt for E-mail recipient address**.

   Note: You must type a valid e-mail address to successfully send an e-mail.
7. If you do not want to print the reports in addition to e-mailing, then clear the **Print Reports using PDF** check box.
8. Click **Apply**.

Using the applications

Using Print Test and Grade Test

Using Print Test

Use the Print Test solution to print a *grading packet*, a collection of forms for standardized tests that can be automatically graded using the Grade Test solution provided with the Education Station Software. Test formats available are 15 multiple-choice questions with two additional spaces for short essays, 30 multiple-choice questions with one additional space for a short essay, 60 multiple-choice questions, or 100 multiple-choice questions. To view the sample answer sheets, see “Education Station answer sheets” on page 23.

The last page of the grading packet is an answer key, identified by “Answer Key” at the top of the page and a bar code at the bottom of the page. If you use the Grade Test solution to automatically grade the tests after completion, then each test will be compared with the answer key. Items left blank on the answer key will not be graded.

1. From the home screen, touch **Print Test**.
2. From the list, select the test format.
3. Enter the number of copies, using either the Copies section of the display or the numeric keypad on the printer.

   Note: The number of copies does not include the answer key.
4. Touch **Print**.

   The number of test forms you requested will print, followed by the answer key.

Using Grade Test

Use the Grade Test solution to automatically grade a completed grading packet printed using the Print Test solution on the Education Station. Each test form will be graded according to the scanned answer key, which must be the first page scanned.

1. From the home screen, touch **Grade Test**.
2. From the list, select the reports to compile from the scanned tests.

Use	To
Student Grade Reports	Print a page that contains the scanned test form, a report of the overall score, and a list of responses to each question.
Class Statistics Reports	Show the class statistics reports. • **Class Frequency Distribution Report**—This shows the distribution of grades numerically and graphically for all tests graded. • **Test Statistics Report**—This shows detailed statistics for all tests graded.
Test Statistics Reports	Show the test statistics reports. • **Item Analysis Graph Report**—This shows a distribution of all responses for each test question. • **Test Item Statistics Report**—This shows correct and incorrect response totals and reliability information for each test question.

3 Touch **Next**.

4 Load the paper stack into the automatic document feeder with the completed answer key as the first page of the stack.

Note: You may also load the test form facedown on the scanner glass with the completed answer key as the first page to be scanned. For more information on the paper orientation, see the *User's Guide*.

5 Touch **Next** to begin scanning and grading the tests.

After the tests are graded, the requested reports will print.

Using Background and Idle Screen

Changing the background image using the printer control panel

1 From the home screen, touch **Change Background**.

2 Select the background you want to use, and then touch **Apply**, , or **OK**.

Using the Education Station Software Status application

Overview of the Education Station Software Status application

The Education Station Software Status application runs in a Web browser and provides an overview of status and operation of the Education Station server. You can also use the application to add licenses and to add and remove devices on the server.

To access the Education Station Software Status application:

- From the desktop, double-click the **Lexmark Education Station Software Status** icon.
- From the Start menu, click **Education Station Software Status**.
- From a Web browser, type

  http://*hostname*:9780/lmc/statuspage/?solutionName%3DEducationStation

  in the address field, where ***hostname*** is the host name or IP address of your Education Station server.

Understanding status information

Server Status

The Server Status section provides basic information about the server and indicates any problems related to the server itself.

Field	Description
Name	This is the host name of the machine on which the server is running.
Status	This indicates whether the server is online or offline.
Configuration	This indicates the current status of the server configuration.
License	This indicates the type of license, if any, that is provided for the server.

Grading Stations (overview)

The Grading Stations section in the left pane shows the overall status of the Education Station printers connected to the server.

Field	Description
Total MFPs	This indicates the number of Education Station printers connected to the server.
Not Communicating	This indicates the number of Education Station printers that are not responding to the server.
Licensed	This indicates the number of Education Station printers connected to the server that have licenses available on the server.
Unlicensed	This indicates the number of Education Station printers connected to the server that do not have licenses available on the server. The Grade Test solution will not function on Education Station printers added that exceed the number of licenses available.

Field	Description
Remaining Licenses	This indicates the number of licenses available for connecting more Education Station printers to the server.

Grading Packets

The Grading Packets section provides an overview of test packets graded using the connected Education Station printers.

Field	Description
Running	This indicates how many test packets are currently scanned and graded on all connected Education Station printers.
Completed	This indicates how many test packets have been successfully scanned and graded on all connected Education Station printers since the server was installed.
Failed	This indicates how many test packets failed to successfully complete the grading process on all connected Education Station printers since the server was installed.
Canceled	This indicates how many test packets were canceled by the user during scanning on all connected Education Station printers since the server was installed.

Grading Stations (detail)

The Grading Stations section in the right pane lists each connected Education Station printer. Expand a printer in the list to show the following information:

Field	Description
Configuration	This indicates the current status of the printer configuration.
Licensed	This indicates whether the printer has a license available on the server.
State	This indicates the current status of the printer and any errors reported by the printer.

Repairing common server problems

Clicking **Fix** can repair several common problems that occur in the Education Station Software. The Fix button polls all connected Education Station printers to make sure they are communicating and redeploys the Grade Test solution to each communicating printer.

Any printers that are powered off when using the Fix button are placed in the Not Communicating category. To recover communication with a printer in the Not Communicating category, turn on the printer, and then click **Fix** again.

Adding Education Station printers to the server

Adding an Education Station printer to the server enables the Grade Test solution on that printer by initiating a connection between the printer and server used in processing grading tasks. Each printer added uses one of the available licenses on the server.

1. Make sure the printer or printers being added are turned on.
2. In the right pane of the Education Station Software Status screen, click **Add**.

   Note: The Add button is available only if the server has unused licenses.

3 Type the address or host name of the printer.

4 Click **Add**.

The printer is added to the Grading Stations list in the right pane, and the numbers in the Grading Stations section of the left pane are adjusted accordingly.

5 Click **Yes** to add another printer, or click **No** to complete the process.

Removing Education Station printers from the server

Removing a printer from the server disables the Grade Test solution on that printer and frees a license on the server.

1 In the right pane of the Education Station Software Status screen, select a printer to remove.

2 Click **Remove**.

3 Click **Yes** to confirm.

The printer is removed from the server, and its license is made available.

Using the Virtual Solution Center

Downloading non-English test packs using Virtual Solutions Center

Notes:

- Make sure that the computer from which you access the Virtual Solutions Center (VSC) and the printer are connected to the same network.
- When prompted, select **Always trust content from this publisher** to be able to use the VSC successfully.

1. In the Application Library section, click the **Bundled Offerings** tab.
2. From the list, click the name of the application associated with the test packs you want to download.
3. If necessary, review the list of printers compatible with the application.
4. In the Publications section, select your printer, and then select the language.
5. Click the test pack you want to download.

Troubleshooting

Background and Idle Screen troubleshooting

“There are no images to display” error message appears

For Idle Screen images

From the application configuration settings in the Embedded Web Server:

- Make sure there is a list of image files under Idle Screen Images.
- Make sure **Enable** is selected under Idle Screen Images.
- Make sure the file size and type are supported. For more information, see the mouse-over help in the Embedded Web Server.
- Click **Apply** to make sure the configuration has been saved.

For the Background image

From the application configuration settings in the Embedded Web Server:

- Make sure **Enable** is selected under Home Screen Background.
- If you have selected a custom image, then click **View Current Value** to make sure the image has been properly loaded.
- If you load a custom image, then make sure the file size and type are supported. For more information, see the mouse-over help in the Embedded Web Server.
- Click **Apply** to make sure the configuration has been saved.

“Image size exceeds limit” error message appears

If the “Image size exceeds limit” appears, then verify that each image file stored on the USB drive or in the Embedded Web Server is no larger than the specified limit.

Education Station Server troubleshooting

Configuring the system when DHCP is not available

The Education Station Software requires that each connected MFP have a valid TCP/IP settings for Gateway, Wins Server Address, and DNS server address. When these are not available, use the following workaround:

1. For each printer, set the Gateway, the WINS Server Address, and the DNS Server Address to the address of the printer:
   a. Type the printer IP address in the address field of your Web browser.
   b. Click **Settings** or **Configuration**.
   c. Click **Network/Ports**.

d Click **TCP/IP**.

e If the Gateway displayed is different from the printer IP address:

1 Click **Set static IP address**.

2 Type the printer IP address beside Gateway, and then click **Submit**.
The TCP/IP configuration page reappears.

f Type the printer IP address beside WINS Server Address.

g Type the printer IP address beside DNS Server Address.

h Click **Submit**.

2 Provide the IP address of the server to printers, rather than the host name:

a On the computer where the Education Station Software is installed, open the file **C:\Program Files\Lexmark\Solutions\apps\wf-edu\WEBINF\classes\server.properties** in a text editor.

b Find the line **`server.canonicalhostname=`*`host-name`***, and then change the ***`host-name`*** specified to the IP address of the computer where the Education Station Software is installed.

c Save the file.

3 Restart the server.

4 After waiting a few minutes for all services to start, open the Education Station Software Status Application.

5 Click **Fix**.

6 To test the server, touch **Grade Test** on a connected printer. Communication is successful if the report selection screen appears.

License error

Try one or more of the following:

Make sure the application is licensed

Applications require a license to run.

For more information on purchasing a license, contact your Lexmark representative.

Make sure the license is up-to-date

Make sure the license for the application has not yet expired. Check the license expiry date using the Embedded Web Server or MarkVision Professional.

Appendix

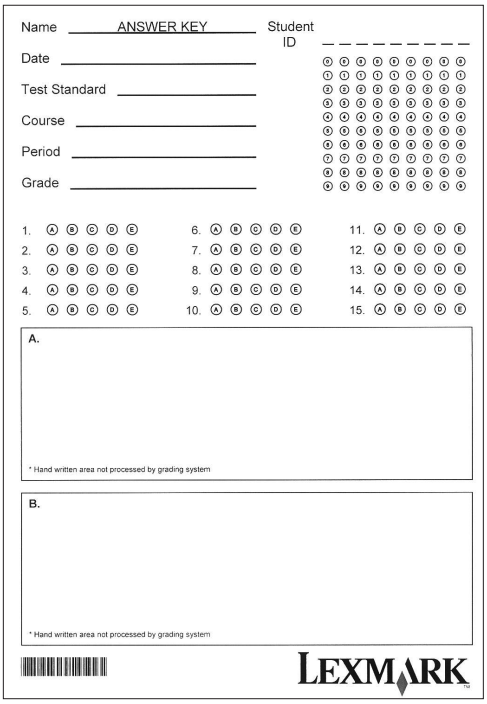
Checking which version of the Embedded Solutions Framework is installed on a printer

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

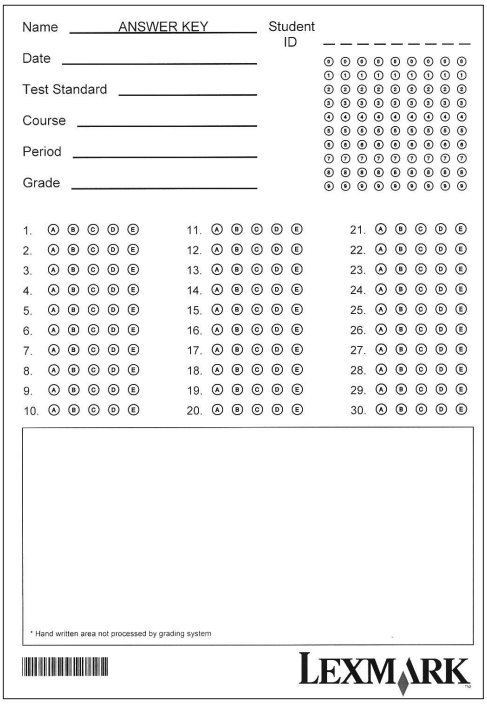
   Note: An IP address appears as four sets of numbers separated by periods, such as 123.123.123.123.
2. Open a Web browser, and then type the printer IP address in the address field.
3. From the Embedded Web Server, click **Reports** > **Device Settings**.
4. Scroll down until you see “Embedded Solutions” (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.

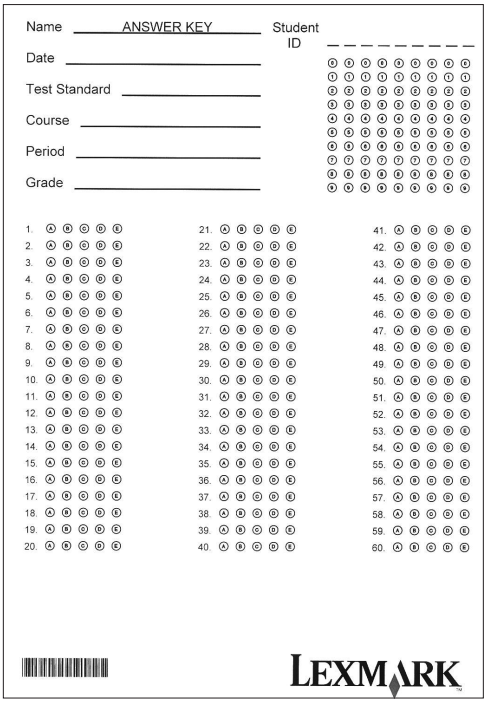
Education Station answer sheets



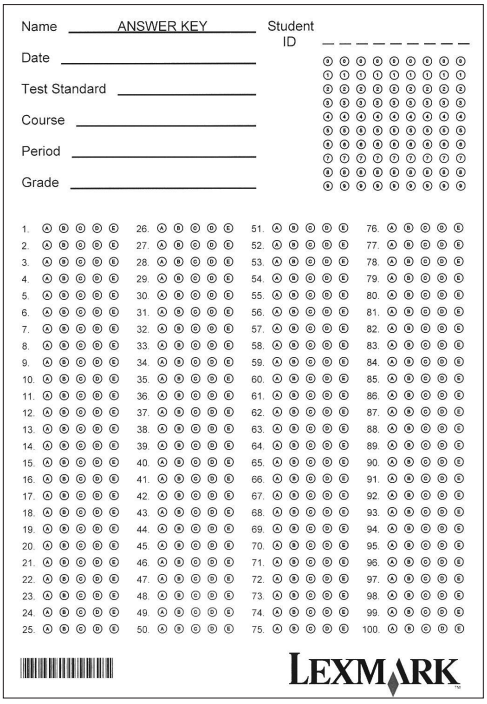
15-item answer sheet



30-item answer sheet



60-item answer sheet



100-item answer sheet

Notices

Edition notice

April 2013

The following paragraph does not apply to any country where such provisions are inconsistent with local law: LEXMARK INTERNATIONAL, INC., PROVIDES THIS PUBLICATION “AS IS” WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some states do not allow disclaimer of express or implied warranties in certain transactions; therefore, this statement may not apply to you.

This publication could include technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes will be incorporated in later editions. Improvements or changes in the products or the programs described may be made at any time.

References in this publication to products, programs, or services do not imply that the manufacturer intends to make these available in all countries in which it operates. Any reference to a product, program, or service is not intended to state or imply that only that product, program, or service may be used. Any functionally equivalent product, program, or service that does not infringe any existing intellectual property right may be used instead. Evaluation and verification of operation in conjunction with other products, programs, or services, except those expressly designated by the manufacturer, are the user’s responsibility.

For Lexmark technical support, visit **http://support.lexmark.com**.

For information on supplies and downloads, visit **www.lexmark.com**.

© 2013 Lexmark International, Inc.

All rights reserved.

GOVERNMENT END USERS

The Software Program and any related documentation are "Commercial Items," as that term is defined in 48 C.F.R. 2.101, "Computer Software" and "Commercial Computer Software Documentation," as such terms are used in 48 C.F.R. 12.212 or 48 C.F.R. 227.7202, as applicable. Consistent with 48 C.F.R. 12.212 or 48 C.F.R. 227.7202-1 through 227.7207-4, as applicable, the Commercial Computer Software and Commercial Software Documentation are licensed to the U.S. Government end users (a) only as Commercial Items and (b) with only those rights as are granted to all other end users pursuant to the terms and conditions herein.

Trademarks

Lexmark and Lexmark with diamond design are trademarks of Lexmark International, Inc., registered in the United States and/or other countries.

All other trademarks are the property of their respective owners.

Apache License Version 2.0, January 2004

http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

   "License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

   "Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

   "Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

   "You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

   "Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

   "Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

   "Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

   "Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

   "Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

   "Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

   a. (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

b (b) You must cause any modified files to carry prominent notices stating that You changed the files; and

c (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

d (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5 Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6 Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7 Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8 Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9 Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the

appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

GNU LESSER GENERAL PUBLIC LICENSE

Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc. 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder.

Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, nonfree programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1 You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2 You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a The modified work must itself be a software library.

b You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3 You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4 You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5 A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6 As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need

not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7 You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8 You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9 You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10 Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11 If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12 If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical

distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13 The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14 If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15 BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16 IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>

Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

That's all there is to it!

The MIT License

Copyright (c) 2008 John Resig, **http://jquery.com/**

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Index

A

accessing
  advanced configuration
    options 12
  Lexmark Management Console 12
accessing application configuration
settings
  using the Embedded Web
    Server 8
activating licenses for the Education
Station Software 6
adding
  background image 9
  idle screen images 9
adding Education Station
printers 17
application configuration settings
  accessing 8
applications
  licensing 6

B

background image
  adding 9
  changing 15
  deleting 9
  editing 9

C

changing the background image 15
  using the printer control panel 15
changing the server profiles used 9
communication
  ports used by the Education
    Station system 4
configuration
  advanced options 12
  CSV reports 12
  enabling scan previews 12
  enabling scanning from both the
    ADF and scanner glass 13
  e-mailing reports 13
configuring the solution
  changing the server profiles
    used 9
configuring the system when DHCP
is not available 20
CSV reports
  configuring 12
customizing the display icon 8

D

deleting
  background image 9
  idle screen images 9
DHCP
  configuring the system when
    DHCP is not available 20
display icon
  customizing 8

E

editing
  background image 9
  idle screen images 9
Education Station
  overview 4
  using Print Test 14
Education Station answer sheets 23
Education Station server
  installing 11
Education Station Software Status
application
  overview 16
  understanding status
    information 16
Embedded Solutions Framework
  checking version number 22
Embedded Web Server
  accessing application
    configuration settings 8
enabling scan previews 12
enabling scanning from both the
ADF and scanner glass 13
exporting a configuration
  using the Embedded Web
    Server 10
exporting a configuration using the
Embedded Web Server 10
e-mailing reports 13

F

finding the host ID 6
Fix button 17

G

Grade Test 14

H

host ID
  finding 6

I

idle screen images
  adding 9
  deleting 9
  editing 9
image size error
  troubleshooting 20
importing a configuration
  using the Embedded Web
    Server 10
importing a configuration using the
Embedded Web Server 10
installing the Education Station
  activating licenses for the
    Education Station Software 6
installing the Education Station
server 11
  overview 11

L

Lexmark Management Console
  accessing 12
license error 21
licensing
  activating licenses for the
    Education Station Software 6
  finding the host ID 6
licensing applications 6

N

networking
  ports used by the Education
    Station system 4
no images to display error
  troubleshooting 20
non-English test packs
  downloading using Virtual
    Solutions Center 19
notices 24

O

overview
  Education Station 4
  Education Station Software Status
    application 16

P

ports
  used by the Education Station
    system 4
ports used by the Education Station
system 4
Print Test 14
printers
  adding to the server 17
  removing from the server 18

R

removing Education Station
printers 18
repairing common server
problems 17
reports
  e-mailing 13

S

scan previews
  enabling 12
scanning from both the ADF and
scanner glass
  enabling 13
server profiles
  changing 9
status information 16

T

troubleshooting
  configuring the system when
    DHCP is not available 20
  image size error 20
  license error 21
  no images to display error 20

U

understanding status
information 16
using the Education Station
  using Grade Test 14
using Virtual Solutions Center
  downloading non-English test
    packs 19