



Lexmark™

CES Auto Enroll

Administrator's Guide

August 2017

www.lexmark.com

Contents

- Change history..... 3**
- Overview..... 4**
 - Understanding the application.....4
- Deployment readiness checklist.....5**
- Configuring the application.....6**
 - Accessing the Embedded Web Server..... 6
 - Configuring the application..... 6
- Using the application.....7**
 - Accessing the web application.....7
 - Viewing a certificate..... 7
 - Requesting a certificate.....7
 - Viewing a certificate template..... 7
 - Validating the installation of a signed device certificate..... 8
- Troubleshooting..... 9**
 - Application error..... 9
 - Cannot generate or read certificate information.....9
- Notices.....10**
- Index..... 11**

Change history

August 2017

- Initial document release

Overview

Use the application to generate printer certificate signing requests and retrieve the signed device certificate automatically. Printer certificates are unique identifiers that are used to authenticate the following:

- HTTPS
- SSL
- TLS
- IPSec
- 802.11 connections

This document provides instructions on how to configure, use, and troubleshoot the application.

Understanding the application

The application eliminates the manual processes of requesting a certificate and installing a signed device certificate.

Manual process

When not using the application, a system administrator must do the following:

- 1 Configure the certificate defaults.
- 2 Generate the certificate signing request (CSR).
- 3 Upload the CSR in Active Directory Certificate Services.
- 4 Download the signed device certificate.
- 5 Install the signed device certificate on the printer.

Automatic process

After a system administrator configures the certificate defaults, the application does the following:

- 1 Generate a CSR.
- 2 Pass the request to Active Directory Certificate Services for approval.
- 3 Retrieve the signed device certificate.
- 4 Install the signed device certificate on the printer.

Deployment readiness checklist

Make sure that:

- The following server roles are installed on a Windows Server® 2012 or later:
 - Active Directory Domain Services
 - Active Directory Certificate Services

- The following are installed on Active Directory Certificate Services:
 - Certificate authority (CA)
 - Certificate Enrollment Web Service

- The printer is enrolled to the Active Directory® domain.

Configuring the application

You may need administrative rights to configure the application.

Accessing the Embedded Web Server

- 1 Obtain the printer IP address. Do either of the following:
 - Locate the IP address on the printer home screen.
 - View the IP address in the Network overview section or in the TCP/IP section of the Network/Ports menu.
- 2 Open a web browser, and then type the printer IP address.

Configuring the application

- 1 From the Embedded Web Server, navigate to the configuration page for the application. Depending on your printer model, do either of the following:
 - Click **Apps**.
 - Click **Settings > Apps > Apps Management**.
- 2 Click **CES Auto Enroll > Configure**.
- 3 Configure the settings.
Notes:
 - To allow sufficient time for the license to be renewed, set Auto Renewal Threshold to **60** days.
 - For more information on each setting, see the mouse-over help.
- 4 Click **Apply**.

Using the application

You may need administrative rights to use the application.

Accessing the web application

- 1 Depending on your printer model, from the Embedded Web Server, do either of the following:
 - Click **Apps > Launch Apps**.
 - Click **Applications**.
- 2 Click **CES Auto Enroll**.

Viewing a certificate

- 1 From the web application, select a certificate.
- 2 Depending on your printer model, do either of the following:
 - From the Device Certificates section, select a certificate, and then check the details of the certificate.
 - Check the details of the certificate.

Requesting a certificate

- 1 From the web application, click **Request New Certificate**.
- 2 Search a template, and then click **Request Certificate**.
- 3 Click **Collapse/Expand Subject Name Fields**, and then specify the information.
- 4 If necessary, configure the settings.

Note: The CA administrator provides the default template configuration.

- 5 Click **Submit**.

The signed device certificate is added to the Installed Certificates list. To renew a signed device certificate, search a certificate, and then click **Renew**.

Note: The CA determines the default period before a signed device certificate expires.

Viewing a certificate template

- 1 From the web application, click **Request New Certificate**.
- 2 Search a template.
- 3 Click **View**.

Validating the installation of a signed device certificate

- 1 From the Embedded Web Server, click **Settings** > **Security** > **Certificate Management**.
- 2 If necessary, click **Device Certificate Management**.
- 3 Depending on your printer model, do either of the following:
 - From the Device Certificates section, search the requested certificate.
 - Search the requested certificate.
- 4 Check if the Issuer Common Name is the name of the CA.
- 5 If necessary, check if the Signed status is set to **Yes**.

Troubleshooting

Application error

Try one or more of the following:

Check the diagnostic log

- 1** Open a web browser, and then type **IP/se**, where **IP** is the printer IP address.
- 2** Click **Embedded Solutions**, and then do the following:
 - a** Clear the log file.
 - b** Set the logging level to **Yes**.
 - c** Generate the log file.
- 3** Analyze the log, and then resolve the problem.

Note: After resolving the problem, set the logging level to **No**.

Contact your Lexmark representative

Cannot generate or read certificate information

Try one or more of the following:

Make sure that the printer has enroll rights to the certificate template

Make sure that the certificate template has a critical extension

Make sure that the domain control and user identity parameters are configured correctly

Contact your Lexmark representative

Notices

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Index

A

- accessing the Embedded Web Server 6
- accessing the web application 7
- application
 - configuring 6
- application error 9
- automatic process
 - understanding 4

C

- cannot generate or read certificate information 9
- certificate
 - requesting 7
 - viewing 7
- certificate template
 - viewing 7
- change history 3
- checklist
 - deployment readiness 5
- configuring the application 6

D

- deployment readiness checklist 5

E

- Embedded Web Server
 - accessing 6

I

- installation of a signed device certificate
 - validating 8

M

- manual process
 - understanding 4

O

- overview 4

R

- requesting a certificate 7

T

- troubleshooting
 - application error 9
 - cannot generate or read certificate information 9

U

- understanding the application 4

V

- validating the installation of a signed device certificate 8
- viewing a certificate 7
- viewing a certificate template 7

W

- web application
 - accessing 7