

Kofax eCopy ShareScan Pre-Installation Checklist for HP Devices

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KOFAX

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Chapter 1

Introduction

This guide provides information to walk you through the process of verifying prerequisites before you proceed to install and use Kofax eCopy ShareScan for HP Devices.

Once you successfully verify the checklist and review related information, use the *Kofax eCopy ShareScan Installation Guide for HP Devices* to learn about:

- Requirements and installation steps for Kofax eCopy ShareScan
- Procedure for setting up your HP device to work with Kofax eCopy ShareScan

After installation, you can use the online help (press F1 in the Administration Console) for detailed configuration guidance.

Typical installation workflow

Kofax eCopy ShareScan supports three typical installation and upgrade scenarios, which are briefly outlined below. For a more detailed description, see the **Install eCopy ShareScan** section in the Installation Guide.

Install Kofax eCopy ShareScan 6.5.0 with no previous version already present

- Ensure that the eCopy ShareScan prerequisites (listed in the following chapter) are installed.
- Start the eCopy ShareScan installer, and follow the Installation Wizard prompts.

Upgrade from Kofax eCopy ShareScan 5.x to 6.5.0

❗ A direct upgrade from eCopy ShareScan 5.0, 5.1 or 5.2 is not supported in a 5.x to 6.5.0 upgrade scenario.

Before you start the upgrade process, ensure that your current eCopy ShareScan installation is working properly. The easiest way to do this is to start the Administration Console and verify that it launches without errors.

Upgrade from versions pre-dating 5.4

If you are upgrading from a eCopy ShareScan version earlier than 5.4 (5.0, 5.1 or 5.2), you first need to upgrade to 5.4. Once you have a verified working installation of eCopy ShareScan 5.4, you are ready to proceed with the upgrade to version 6.5.0.

Upgrade from version 5.4 or higher

1. Exit eCopy ShareScan 5.x Administration Console.

2. Ensure that the eCopy ShareScan prerequisites (listed in the [Pre-installation](#) chapter) are installed.
3. Run the eCopy ShareScan 6.5.0 installer.
4. After the Welcome screen, select **Upgrade from previous version to 6.5** or **Custom upgrade from previous version to 6.5**, and then follow the prompts to finish the upgrade.

Product documentation

The full documentation set for Kofax eCopy ShareScan is available online:

<https://docshield.kofax.com/Portal/Products/eCopy/6.5.0-p5d3f02o7v/eCopy.htm>

The Kofax eCopy ShareScan documentation set includes the items listed in the following table.

Guide	Description
Kofax eCopy ShareScan Pre-installation Checklist (PDF)	Provides information on the issues to be addressed before deploying Kofax eCopy ShareScan.
Kofax eCopy ShareScan Installation Guide (PDF)	Provides information on how to install and upgrade Kofax eCopy ShareScan, along with hardware and software prerequisites.
Kofax eCopy ShareScan Administration Console Help	<p>The integrated help of the application, covering the use of Kofax eCopy ShareScan beyond installation, including configuration information.</p> <div style="background-color: #e6f2ff; padding: 5px; border: 1px solid #add8e6;"> <p>i The help is accessible by pressing F1 on the ShareScan Administration Console.</p> </div>
Kofax eCopy ShareScan Troubleshooter User Guide (PDF)	Provides information on how to use the ShareScan Troubleshooter, a built-in diagnostic tool.
Kofax eCopy ShareScan Release Notes (PDF)	Provides an overview of late-breaking details for the current product release.
Kofax eCopy ShareScan High Availability Deployment Guide (PDF) Kofax eCopy ShareScan	Provides guidance on how to deploy ShareScan to function in high availability mode.
Kofax eCopy ShareScan Glossary Editor Recommendations (PDF)	Contains information on proper use of the Glossary Editor Tool.

Chapter 2

Pre-installation

This chapter describes important tasks to be performed prior to installing or upgrading eCopy ShareScan, along with requirements that must be met before product installation.

i The eCopy ShareScan installer cannot be launched if any files from the installation package are blocked by the operating system for security reasons. You can unblock the files one by one on the respective **Properties** dialog box, or by running the following PowerShell command as an administrator from the root folder of the installation:

```
Get-ChildItem -Recurse | Unblock-File
```

System requirements for eCopy ShareScan Manager computer

The installation media contains all the required dependency installer files under the `Redist` folder, which must be installed to ensure that eCopy ShareScan functions properly:

- Amazon Corretto 8 Java Runtime (x86) – version 8.302.08.1
- Microsoft .NET Framework 4.8
- Microsoft Visual C++ 2012 Redistributable (x86) – version 11.0.61030.0
- Microsoft Visual C++ 2019 Redistributable (x86) – version 14.28.29913.0
- Microsoft Visual C++ 2019 Redistributable (x64) – version 14.28.29913.0
- Microsoft Visual J# 2.0 Redistributable

The installer skips any of the dependencies listed above if they are already installed on the target system, which considerably reduces installation time.

i The Microsoft Visual J# 2.0 Redistributable must be manually installed from the installation media. Before installing this prerequisite, Microsoft .NET Framework 3.5 SP1 must also be manually installed.

Operating systems

- Windows 10 1809 or later (x64) (max. 20 inbound connections in case of non-ScanStation clients)
 - Windows Server 2012 R2*
 - Windows Server 2016*
 - Windows Server 2019*
- * 64-bit support as a 32-bit application

- The ShareScan Administration Console and the ShareScan Manager cannot be installed on Linux, Solaris or Macintosh operating systems.

i The eCopy ShareScan installer cannot be launched unless Microsoft .NET Framework 4.8 is installed on the target system. When trying to launch the installer with no .NET Framework or any version older than 4.8 installed, an error message appears to describe the dependency and the installation media path for the offline .NET Framework installer. To close the message and exit the installer, click **OK**. For more information on .NET Framework versions and operating system related dependencies, click [here](#).

Database

- Microsoft SQL Server 2014 Express edition, or later

Database permissions

For working with the ShareScan databases in an upgrade scenario, you must use an account that has **db_owner** Database-Level Role permissions for the eCopy ShareScan database. An account with sysadmin Server-Level Role can be used, but it is not mandatory. For database permissions required for a new installation, see the "User rights necessary for ShareScan database creation" section in your *Kofax eCopy ShareScan Installation Guide*.

Do not use an sa account as a ShareScan runtime account for database connection, as it does not work. Use only the eCopy account created by the ShareScan database installer, or a user having the same user rights as the eCopy account. If you use Integrated Windows Authentication for database connection, the user accounts specified during installation should have the proper rights.

Virtual environments

i Installing eCopy ShareScan on a virtual machine with a Microsoft operating system has always been supported, but Kofax does not certify virtual platforms. As long as adequate resources are allocated to the virtual machine, eCopy ShareScan should function as expected. Ultimately, it is the customer's responsibility to ensure that the virtual environment is configured correctly. Avoid desktop class machines, since they do not have enough resources to support high-volume processing.

- VMware ESX Server 4.x and 5.x or higher
- VMware Workstation 7.x, 8.x, 9.x, 10.x, 11.x and 12.x or higher
- Microsoft Hyper Visor (Hyper-V) Server 2012 or higher

Memory configuration

This topic lists the required memory configurations for installation for the ShareScan Manager computer.

- 8 GB physical memory (minimum)
- 5 GB disk space (including SQL server and prerequisites)

For more details on recommended memory configuration, see the "Sizing recommendations for embedded configurations" section in the *Pre-Installation Checklist and Sizing Guide*.

Checklist for the ShareScan Manager computer

This topic lists all system requirements that must be met for installation on the ShareScan Manager computer.


- ShareScan installs a customized Apache Tomcat web service, as previously installed Tomcat installations are not supported.

i The original version of the Apache Tomcat web service is 9.0.54, which is a 32-bit installer. Also, If you do not want to install a web client during the installation, ignore any Apache Tomcat references. If you install the web client, the simulator function of the ShareScan Administration Console defaults to using the web client for the simulator.

- ShareScan 6.x licenses are installed to a SQL Server to allow easy management of devices. The ShareScan installer can install a local copy of SQL Server 2014 Express for managing licenses in addition to storing configuration data. It can also create the appropriate database structure on an existing SQL server for consolidated key management.

i Prior to installing ShareScan, it is important to determine if licenses will be managed individually from each ShareScan Manager, or if you prefer to manage all licenses from a single SQL Server.


Check	Description
<input type="checkbox"/>	Ensure that ShareScan Manager is installed to a dedicated computer that is exclusively tasked for running ShareScan Manager.
<input type="checkbox"/>	Run the Automatic Updates for the operating system before you start installing ShareScan. ⚠ Make sure you turn OFF the Automatic Updates during the installation.
<input type="checkbox"/>	When designing the network architecture, make sure you have Windows Server as an operating system if you plan to have more than 10 devices. i Windows 10 can handle a maximum number of 20 concurrent network connections.
<input type="checkbox"/>	If you have multiple NIC cards, you must select an IP address for ShareScan that will be used for device-server communication.
<input type="checkbox"/>	Check if your file system format is NTFS.
<input type="checkbox"/>	Ensure that Microsoft IIS is not installed or listening to the ports used by ShareScan (listed below).

Check	Description
<input type="checkbox"/>	<p>You must activate ShareScan 6.x license keys against the Activation Server. Manual activation is available for servers that are unable to communicate directly with the Activation Server.</p> <div style="background-color: #fff9c4; padding: 10px; border: 1px solid #ccc;"> <p> As licenses are tied to the ShareScan database, it is strongly recommended not to change the databases after ShareScan installation.</p> <ul style="list-style-type: none"> License keys can only be activated once, so you must inspect the setup carefully prior to activation. All license keys provide a 30-day grace period before activation to ensure the license setup is as intended. </div>
<input type="checkbox"/>	<p>If you plan to use the Single Sign-On feature of the Session Logon service, you must ensure the following:</p> <ul style="list-style-type: none"> The ShareScan Manager computer is a member of the domain for which Session Logon is configured. The logged-in user running and configuring the Session Logon must be an Active Directory user with the necessary rights to read properties in Active Directory (this is a default value). This Active Directory user must have the necessary rights to read Active Directory properties (generally this is a default behavior; however, this can be modified in Active Directory). You use the Active Directory user account to log into this domain (and not into the local system).

Ports to be left open

If you plan to enable firewalls, you must leave the following ports open between ShareScan Manager and the multi-functional device.

Inbound	
TCP	443, 8080, 9030, 9600, 9610, 9650
UDP	9650
Outbound	
TCP	7, 443, 8080, 7626, 7627 (not used by HP S900), 9650
UDP	161 (SNMP), 8899, 9650

 If any of these ports are in use, ShareScan displays a warning message. Ports in use do not block installation, but must be opened later for proper functionality.

Network configuration

Domains and Workgroups

eCopy ShareScan can be configured to run in either domain-based networks or workgroup environments. Windows 2012 or later domain environments are supported. A domain environment is recommended.

Subnets and VLANs

The ShareScan Manager computer can be on different subnets or VLANs from the multifunction devices, provided that the multifunction devices can communicate with the Manager computer using an IP address. If your multifunction devices span multiple subnets or VLANs, a router is required to pass packets back and forth. However, in these situations the UDP and the SNMP based device discovery mechanisms may not be functional. Also, consider that bi-directional communication is required between the ShareScan Manager and the MFPs (meaning both the devices shall be able to send TCP messages to the manager and vice versa), on the ports listed in section [Checklist for the ShareScan Manager computer](#).

IP Addresses

Use static IP addresses for both the ShareScan Manager computer and the MFPs. To change the IP address of the Manager computer:

1. Remove all devices from the ShareScan Manager.
2. Stop all ShareScan related services.
3. Change the IP address of the NIC and make sure the network adapters use the new IP address (`ipconfig` command).
4. Start the services that you have stopped in step 2.
5. Re-add the devices to the ShareScan Manager.

i If the IPv6 function is not in use, it should be disabled in the device settings to prevent first time connection errors such as the user cannot launch the application for the first start after sleep mode, as it runs into a connection error message.

Gateway Address

ShareScan does not require a gateway address.

Host Name

The host name must not exceed 60 characters. Device host names are resolved using DNS. This happens once you have added a device and confirmed it. If the device is not registered in the DNS, then its name in the **Devices** tab on the Administration Console may change after confirmation.

⚠ Changing the host name after installation can cause licensing and database issues, and is therefore not supported. If you must change the host name, you must re-install ShareScan.

Network Attached Storage Devices (NAS)

This eCopy ShareScan supports NAS drives and folders that are fully compatible with NTFS file system and Windows access control mechanisms.

Novell

ShareScan does not support direct communication between a ShareScan Manager computer and a multifunction device on Novell networks. However, when Novell client software is installed on the Manager computer, some Connectors (eCopy Quick Connect, and the eCopy Scan to Desktop) can bridge to a Novell server. A Novell client must be installed on the ShareScan Manager computer if Novell authentication of Scan Inboxes is required. The eCopy connector for LDAP/SMTP requires a Novell client to work properly with session logon.

Local Security Policy

To use the Administration Console on the ShareScan Manager computer, local administrator-level credentials are required. ShareScan Manager cannot be installed on a Domain Controller.

Support information

This section contains information about the various languages and third-party software supported by eCopy ShareScan.

Supported languages

Kofax eCopy ShareScan supports the following languages:

- English
- Brazilian Portuguese
- Dutch
- French
- German
- Italian
- Spanish
- Catalan (client only)
- Simplified Chinese (client only)
- Japanese (client only)

ℹ This list only refers to the languages available for the user interface. For the OCR process, the language support is much wider, comprising more than 100 languages.

Supported devices

For the most current information on supported devices, visit the [Support Devices](#) website.

Supported backend services

For a detailed list of supported versions for specific backend connectors, see [eCopy connectors](#).

Chapter 3

eCopy connectors

We recommend that you match the application credentials for various backend applications with the computer login credentials. We also recommend creating a generic, email-enabled ShareScan account for use with eCopy ShareScan.

i The backend applications listed in this section belong to their respective owners, and as such, additional in-depth information is available from the documentation for the applications, and not in the eCopy ShareScan documentation.

The following backend applications are supported:

- [eCopy connector for Microsoft Exchange \(Mail and/or Fax\)](#)
- [eCopy connector for LDAP/SMTP \(Mail and/or Fax\)](#)
- [eCopy connector for Scan to Desktop](#)
- [eCopy connector for Quick Connect](#)
- [eCopy connector for OpenText Fax Server \(RightFax edition\)](#)
- [eCopy connector for Scan to Printer](#)
- [eCopy connector for Microsoft SharePoint](#)
- [eCopy connector for OpenText Documentum](#)
- [eCopy connector for iManage WorkSite](#)
- [eCopy connector for OpenText Content Server - eDOCS edition](#)
- [eCopy connector for OpenText Content Server](#)

Supported versions

This section lists the supported versions for the backend applications that work with eCopy connectors.

Backend Applications	Supported Versions	Installation Prerequisites
Microsoft Exchange (Mail and/or Fax)	Microsoft Exchange 2013, 2016, 2019, Exchange Online for Office 365	eCopy connector for Microsoft Exchange (Mail and/or Fax)
LDAP/SMTP (Mail and/or Fax)	<ul style="list-style-type: none">• Microsoft LDAP v3• Open LDAP v2.4	eCopy connector for LDAP/SMTP (Mail and/or Fax)
Quick Connect	<ul style="list-style-type: none">• Quick Connect supports Oracle Database 10g and 11g. When you	eCopy connector for Quick Connect

Backend Applications	Supported Versions	Installation Prerequisites
	<p>install Oracle Client 10g/11g, select the Custom Installation option and then make sure that you select the Oracle Provider for OLE DB component. This enables Quick Connect to connect to the Oracle database and store scanned documents and other information.</p> <ul style="list-style-type: none"> • For more information about supported databases, see the eCopy ShareScan Technical Specifications document. • For additional information on supported configurations of eCopy ShareScan, Quick Connect to Database, see the Quick Connect Database Recommended Usage document available for download from eSPN. 	
OpenText Fax Server (RightFax Edition)	OpenText Fax Server 16.2, 16.4, 16.6, 20.2	eCopy connector for OpenText Fax Server (RightFax edition)
Microsoft SharePoint	2013, 2016, 2019, SharePoint Online for Office 365	eCopy connector for Microsoft SharePoint
OpenText Documentum	OpenText Documentum 16.4, 16.7, 20.2, 20.3	eCopy connector for OpenText Documentum
iManage WorkSite	9.5, 10, 10.1, 10.2, 10.3 and above (including iManage Cloud)	eCopy connector for iManage WorkSite
OpenText Content Server - eDOCS Edition	16.1-16.7	eCopy connector for OpenText Content Server - eDOCS edition
OpenText Content Server (Livelink)	10.5, 16, 16.2	eCopy connector for OpenText Content Server

eCopy connector for Microsoft Exchange (Mail and/or Fax)

For supported versions of Microsoft Exchange, see [Supported versions](#) in this guide.

Installation prerequisites

- If configuring the Exchange connector using Exchange Web Services protocol, the Exchange server SSL certificate must be installed on the computer running ShareScan Manager. Certificates must be installed to the Trusted Root Certification Authorities on the local computer.

- To configure and use Exchange Web Services protocol, the user's logon and alias name must correspond, due to limitations of the Exchange Web Services. Therefore, LDAP/Exchange Web Services protocol is recommended.

eCopy connector for LDAP/SMTP (Mail and/or Fax)

For supported versions of LDAP/SMTP, see [Supported versions](#) in this guide.

Installation prerequisites

- For configuring the eCopy connector for LDAP, the following information is required:
 - User Name and Password
 - IP Address
 - DNS Name or URL for the directory being used
 - Search Criteria for users and recipients
 - LDAP Attributes and Port Number
 - Base DN of the base or root directory in which to search
- For configuring the eCopy connector for SMTP, the following information is required:
 - SMTP server IP address and SMTP port number
 - DNS Name that will be used for outgoing messages
 - User Name and Password

eCopy connector for Scan to Desktop

Installation prerequisites

- Scan to Desktop involves several different components to enable users to scan and send documents to a designated network folder location for modification and storage. A `Scan Inbox` subfolder may be added to existing network home directories, or the eCopy ShareScan software can create Scan Inbox folder locations. The Inbox Root (Inbox Management directory) stores the user list (`userdirs.txt`) that indicates which users have scan inboxes using Scan to Desktop; and whether eCopy ShareScan has created Inbox folders that would also reside under this directory.
- For detailed information on configuring Scan to Desktop, see the eCopy ShareScan Help, which is accessible by clicking F1 on the Administration Console.

i The Inbox alternate path for folder root - DO NOT set it to the user's HOME folder path pointing to the existing Network Home Directory Root Folder is not supported, since eCopy ShareScan modifies the permissions on the root folder.

Inbox Root Directory

The Inbox Root Directory can reside on the ShareScan Services Manager computer or on a network server. If the directory resides locally, it must be configured as a share on an NTFS drive. If the directory resides on a network server, it must be configured as a share on an NTFS drive or on a NetWare drive.

⚠ The Inbox Root Directory must not be pointing to a user's home directory. Choose the Scan to Desktop Home Directory option in the connector instead. Also, network home directories configured through a login script are not supported.

ShareScanAdmin Group

- An Administrative Group must be used to implement the required security. In previous versions of eCopy ShareScan, this group required the name ShareScanAdmin. This administrative group can now be given any name; however, if multiple services managers are pointing to the same userdirs.txt file in the Inbox Root Directory, the group to which the service account belongs must be identical on all those services managers.
- The administrative group must be created on the domain controller for domain-based networks, on NDS for Novell networks, or on the local machine if the customer is in a workgroup environment. eCopy ShareScan uses this group when assigning permissions to the Inbox Root Directory, scanning inboxes and requiring Full Control.
- Permissions assigned to the directory are as follows:

Windows (NTFS)	Novell (Netware)
Administrators – Full Control	Administrators – Full Control
Domain Administrators – Full Control (not used in workgroup configurations) ShareScanAdmin – Full Control	ShareScanAdmin – Full Control
Inbox Owner – Read or Delete	Inbox Owner – Read or Delete

- An account for an administrative user should also be created and added to the administrative group to be used as the service account. This user should have a standard user profile with a user name and password. If running in a workgroup environment, a local account should be created for each Scan to Desktop user on the computer where the Inbox location resides.

eCopy connector for Quick Connect

For supported versions of Quick Connect, see [Supported versions](#) in this guide.

Installation prerequisites

- When selecting a network location as a Quick Connect destination, make sure that future users have access to the folder or folders being used as storage options. Alternatively, the administrator can use the Logon As function to supply login credentials.


- To deliver scanned documents to an access database, you must disable User Account Control (UAC). To disable UAC, type `c:\windows\System32\UserAccountControlSettings.exe` to the command line and select the appropriate slider setting.

eCopy connector for OpenText Fax Server (RightFax edition)

For supported versions of OpenText Fax Server, see [Supported versions](#) in this guide.

Installation prerequisites

- The administrator is prompted to enter a valid RightFax or NT Authentication user name and password. The RightFax server name must also be entered.
- Delegation of privileges, phone books, cover sheets, and billing codes must be configured on the RightFax server in order to be utilized by the eCopy connector for RightFax.

 The RightFax client software must not be installed on the system where the ShareScan Manager is installed. Also, if **Send from personal account** is not enabled, all faxes will be sent from the user name and password supplied for configuration purposes.

eCopy connector for Scan to Printer

Installation prerequisites

In order for a printer to be configured for use with Scan to Print, the appropriate print driver must be installed where eCopy ShareScan is also installed.

eCopy connector for Microsoft SharePoint

For supported versions of Microsoft SharePoint, see [Supported versions](#) in this guide.

Installation prerequisites

- The administrator must enter a user name and password that will enable browsing to all destinations, display all index fields, and store documents if Login As authentication is used.
- If your organization uses a secure SharePoint site, you must install an SSL certificate on the ShareScan server.



- Dates are validated by the client regional settings. Invalid date formats are not accepted.
- The connector does not fully support storing to workspaces. However, storing to an attendee's location is inconsistent and may result in failure to store the scanned document.
- The All Day Event, Recurrence, and Workspace check boxes will not appear in the calendar list.

eCopy connector for OpenText Documentum

For supported versions of OpenText Documentum, see [Supported versions](#) in this guide.

Installation prerequisites

- The eCopy connector for OpenText Documentum uses the Documentum REST Services to connect to the Documentum Server. To install Documentum REST Services, see your Documentum product documentation.
- For configuring the eCopy connector for OpenText Documentum, the Documentum REST Services URL is required first. Then the Repository, which is a document database on the Documentum server, must be selected from the menu. In the connector administration, all repositories available through Documentum REST Services will then be available. The administrator should then enter a user name and password that enables browsing to all desired destination locations within the selected repository, and then store documents.

Suggestions

- It is strongly recommended that you store documents using the doctype named `dm_document` or a customized doctype that is based on `dm_document`.

eCopy connector for iManage WorkSite

For supported versions of iManage WorkSite, see [Supported versions](#) in this guide.

Installation prerequisites

- The iManage DeskSite (32-bit) client must be installed to ensure that this connector functions properly, as the profile destination is configured with COM API Protocol. If iManage DeskSite (32-bit) client is not installed, an error message displays if the user attempts to configure a new connector profile destination with COM API Protocol, or use the connector profile configured in an earlier ShareScan version.
- The administrator should enter a user name and password that enables browsing to all destinations, display all index fields and store documents if `Login As` authentication is used.

- When you use Novell trusted login, make sure that the Novell client configuration on the computer running the ShareScan Manager includes a value for the **Preferred Server** option.

i If you leave this field blank or you enter an incorrect value, users will not be able to store scanned documents.

Suggestions

- For information on impersonation passwords, the administrator can refer to the WorkSite documentation.

i Impersonation is only available when using trusted login and authenticating against Novell.

eCopy connector for OpenText Content Server - eDOCS edition

For supported versions of OpenText Content Server - eDOCS edition, see [Supported versions](#) in this guide.

Installation prerequisites

- Before installing the eCopy connector for OpenText Content Server, the administrator must install and configure the Windows Explorer DM Extension software for OpenText Document Management, eDOCS on the same computer as the eCopy ShareScan Manager. Once done, the administrator must run the DM Connection Wizard. All versions of the DM Extension software include the required DM API and the DM Connection Wizard.
- The administrator must install the Windows Explorer DM Extension component only (under Optional Components) and select **Intranet Mode** (the default mode).

i Do not select **Internet Mode**.

- After installation, launch the DM Connection Wizard and enter the name of your DM server.
- The eCopy ShareScan Services Manager must have the same domain as the DM server, for the DM Connection Wizard to establish a connection with the server.

- The administrator will need to enter a valid eDOCS DM user name and password that has the ability to store documents if `Login As` authentication is used.



- When the eDOCS DM Extension Client is installed on the same computer as the ShareScan Manager (not in the same domain as the DM server), you cannot configure the eCopy connector.
- Default values that are assigned by the eDOCS DM server appear in the client. To use a different value, you must remove the default value and then use the Search feature or the Search while typing option to specify the new value.
- If a profile for an application does not appear, contact your administrator. The application may be disabled from within the eDOCS DM software.

Suggestions

- You must add the eCopy Document Type and Application ID to your eDOCS (Hummingbird) server. See your server documentation for details.
- For instructions about installing the DM Extension software, refer to your eDOCS documentation.

eCopy connector for OpenText Content Server

For supported versions of OpenText Content Server, see [Supported versions](#) in this guide.

Installation prerequisites

- The administrator must enter a user name and password that enables browsing to all locations, display all index fields, and store documents if `Login As` authentication is used.
- The eCopy connector for OpenText Content Server uses the Web services protocol and/or Livelink API (LAPI) for communication with Open Text Content Server.
- LAPI supports TCP/IP direct connections with native Livelink authentication. It does not support HTTP or HTTPS connections or non-native authentication methods. Native authentication using LAPI supports Livelink authentication, NTLM authentication, and LDAP authentication. The Livelink server is responsible for managing the authentication settings and the connector works transparently with the selected authentication mode

- In **Protocol** section of **Database & authentication** settings in the Connector configuration window, the Administrator will need to provide the following information to properly configure the connector:

- If **Web services** is selected:

- **Root URL:** The root URL of the web service granting access to the Livelink server. Example: `https://TestContentServer:443/cws`

i **Web services** protocol supports Table Key Lookup attributes only when using OpenText Content Server 16.2 or later.

- If **LAPI** is selected:

- **Livelink server:** The Open Text Content Server-Enterprise Server name. The server entered in the Livelink Server field must be on the same network (LAN) or connected via a VPN (WAN) as the Services Manager. It cannot be a web-only connected server. The Livelink connector does not communication over HTTP or HTTPS; instead it uses TCP/IP and LAPI over the specified port. Even if port 80 is entered in the port field, it will not force the connector to communicate over HTTP or HTTPS.
- **Database:** The Livelink database name. The Livelink Database information can be found on the Livelink Administrative Site under the *Database Administration* section.
- **Port:** The port used by the server. The default is 2099.

i LAPI protocol is not supported by OpenText Content Server (Livelink) version 16 or higher.

- If **Web services and LAPI** is selected:

- All the options can be configured that are listed in **Web services and LAPI** protocol sections above.

i If **Web services and LAPI** protocol is selected, LAPI is used only for supporting Table Key Lookup attributes. Using an Open Text Content Server 10.5 with Table Key Lookup attributes, this protocol must be selected since Web services protocol supports Table Key Lookup attributes only from OpenText Content Server 16.2 or later. The eCopy Connector for Open Text Content Server does not support Table Key Lookup attributes for OpenText Content Server (Livelink) version 16 since LAPI protocol itself is not supported by this server.

Suggestion

- For authentication methods outside of these constraints, refer to your eCopy technical consultant.

Chapter 4

HP device checklist

Use the following section to review recommendations for using HP devices with embedded clients.

HP client checklist

Be sure to review this checklist for using HP devices with embedded clients.

- Confirm that the device and the firmware you are planning to use are supported.
- Verify whether the device you are about to use is OXPd 1.6 capable.
- If needed, update device firmware to support OXPd 1.6.
- Make sure OXPd 1.6 is enabled.
- Confirm configuration of WebProxy settings.
- Check configuration of the embedded web browser (timeouts and trusted sites list).
- Check certification management in the OXPd 1.6 CA certificate store.
- Verify that a valid certificate is installed on the device. This is necessary to support secure communication between the device and the ShareScan server.
- Make sure the device has SNMPv2 read access and a Get Community Name (necessary to enable Device discovery function in the ShareScan Administration Console).
- Set (via EWS) an administrator password to access some of the advanced device features. You will be prompted to supply this password during the ShareScan installation.
- If the devices and the ShareScan Manager computer are in different subnets, it is recommended to manually resolve IP addresses in the hosts file on the ShareScan Manager computer (located under `C:\Windows\System32\drivers\etc\`).
- When using the native keyboard, raise the device timers to 2 minutes in order to avoid timeout issues on complex ShareScan forms.
- By default, eCopy ShareScan installs Amazon Corretto Java Runtime Environment, which is required to ensure proper functionality. For the distributed/tested version, see [System requirements for eCopy ShareScan Manager computer](#) in this guide.

Recommendations

- You can use HP Web Jetadmin or the built-in Embedded Web Server (EWS, an HTTP-based device management application) to configure your HP device. To configure several devices at once, it is recommended to use HP Web Jetadmin.
- Consult HP Imaging and Printing Security Best Practices and the NIST checklist (available at the NIST website). These documents will help you ensure that network security is optimized.

Chapter 5

Sizing recommendations

The following sections describe the sizing recommendations for both embedded and ScanStation configurations.

General sizing recommendations

This section contains sizing recommendations, assuming up to 50% of the MFPs are concurrently processing scanned documents; while the other 50% are idle, printing or copying. Operating systems installed to virtual machines must have the specified physical resources allocated to the virtual machine. These recommendations are for optimum performance. Exceeding this number of devices or load will reduce application responsiveness.

i For a server supporting multiple brand MFPs or varying user loads, please consult your eCopy Technical Consultant for specific sizing recommendations. Enabling background processing positively impacts the scalability.

Client MFPs per ShareScan Manager	1-15	16-30	31-45	46-75	76-120
B&W Letter / A4 200 DPI No OCR	Operating system: Windows Server 2012 or Server 2016 or Server 2019 Minimum CPU: Dual Core Minimum RAM: 8 GB	Operating system: Windows Server 2012 or Server 2016 or Server 2019 Minimum CPU: Dual Core Minimum RAM: 8 GB	Operating system: Windows Server 2012 or Server 2016 or Server 2019 Minimum CPU: Dual Core Minimum RAM: 8 GB	Operating system: Windows Server 2012 or Server 2016 or Server 2019 Minimum CPU: Quad Core Minimum RAM: 10 GB	Operating system: Windows Server 2012 or Server 2016 or Server 2019 Minimum CPU: Quad Core Minimum RAM: 10 GB
Color Letter/A4 300 DPI	Operating system: Windows Server 2012 or	Operating system: Windows Server 2012 or	Operating system: Windows Server 2012 or	Operating system: Windows Server 2012 or	Operating system: Windows Server 2012 or

Client MFPs per ShareScan Manager	1-15	16-30	31-45	46-75	76-120
No OCR	Server 2016 or Server 2019 Minimum CPU: Dual Core Minimum RAM: 8 GB	Server 2016 or Server 2019 Minimum CPU: Dual Core Minimum RAM: 8 GB	Server 2016 or Server 2019 Minimum CPU: Quad Core Minimum RAM: 10 GB	Server 2016 or Server 2019 Minimum CPU: Quad Core Minimum RAM: 10 GB	Server 2016 or Server 2019 Minimum CPU: Quad Core Minimum RAM: 10 GB
B&W / Color Letter/A4 300 DPI with OCR	Operating system: Windows Server 2012 or Server 2016 or Server 2019 Minimum CPU: Dual Core Minimum RAM: 8 GB Max 4 OCR-ing	Operating system: Windows Server 2012 or Server 2016 or Server 2019 Minimum CPU: Quad Core Minimum RAM: 10 GB Max 8 OCR-ing	Operating system: Windows Server 2012 or Server 2016 or Server 2019 Minimum CPU: Quad Core Minimum RAM: 10 GB Max 8 OCR-ing	Operating system: Windows Server 2012 or Server 2016 or Server 2019 Minimum CPU: Quad Core Minimum RAM: 10 GB Max 8 OCR-ing	Operating system: Windows Server 2012 or Server 2016 or Server 2019 Minimum CPU: Xeon 8 Core Minimum RAM: 12 GB Max 10 OCR-ing

Sizing recommendations for ScanStation configurations

- Operating system: Windows 10 x64
- Minimum CPU: Dual Core
- Minimum RAM: 4 GB
- Recommended RAM: 6 GB

Support for high number of devices

The general Microsoft recommendations for server operation not to exceed 75-80% of overall CPU load for a long period of time are taken into consideration.

As specified above, with regard to memory and other resources, it is not recommended to exceed the maximum number of devices connected to a single ShareScan server, since different resources (some or more of the following: memory, disk I/O bandwidth, handle or thread count) can run short and may cause temporary or permanent performance and/or functional issues.

Support is not possible for systems if the number of devices connected to a single server exceeds the recommended maximum limitations.

If hardware or MS NLB is used for load balancing / high availability, the overall number of devices divided by the number of active server nodes in the cluster is considered as a "devices per server" measure.