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Introduction

Product features

Device Registration Service enables you to perform the following tasks:

- Manage Device Registration Service configuration settings.
- Manage applications, device groups, and devices through a single web-based interface.
- Manage Microsoft Windows services and database administration.

Device Registration Service consists of the following components:

- Device Registration Service
- Device Configuration Manager
- Plug-ins for:
  - Konica Minolta
  - Ricoh
  - Samsung
  - Toshiba
  - Epson
  - Xerox

For more information on using the Device Registration Service and Device Configuration Manager components, refer to the component Help files.

Device Registration Service Pre-Requisites

Verify that the Device Registration Service environment meets the requirements listed here:

Before you install Device Registration Service on Microsoft Windows 8 and Microsoft Windows 10 or Microsoft Windows 2008, 2012 and Microsoft Windows 2016 Server machines, enable ASP.NET for Microsoft .NET 4.5 or ASP.NET for Microsoft .NET 4.6:

**Microsoft Windows 8:**

1. Open Control Panel.
2. In **Category** view, click **Programs**.
3. Under **Programs and Features**, click **Turn Windows features on or off**.
4. In **Turn Windows features on or off**, select **.NET Framework 4.5 Advanced Services**.
5. Select .NET Framework 4.5.

**Microsoft Windows 10:**
1. Open Control Panel.
2. In **Category** view, click **Programs**.
3. Under **Programs and Features**, click **Turn Windows features on or off**.
4. In **Turn Windows features on or off**, select **.NET Framework 4.6 Advanced Services**.
5. Select **.NET Framework 4.6**.

**Microsoft Windows 2008 R2/2012 R2 Server:**
1. Open **Server Manager**.
2. Click **Add Roles and Features** and then **Features**.
3. Restart the Virtual Machine.

**Microsoft Windows 2012 Server:**
1. Open **Server Manager**.
2. Click **Add Roles and Features** and then **Features**.
3. Select **.NET Framework 4.5**.
4. Restart the Virtual Machine.

**Microsoft Windows 2016 Server:**
1. Open **Server Manager**.
2. Click **Add Roles and Features** and then **Features**.
3. Select **.NET Framework 4.6.2**
4. Restart the Virtual Machine.

### Component prerequisites

This section lists component-specific system requirements.

**Ricoh ESA**
- Microsoft Visual C++ 2010 runtime
- Oracle Java SE Runtime Environment (JRE) 8
- .NET 3.5. For supported versions of the Java platform on Ricoh devices, see the requirements section of the Ricoh Combined Client User Guide in the Device Registration Service Help after you install Device Registration Service.

**Ricoh SOP 1.1/Ricoh PCC 5.1**
- Oracle Java SE Runtime Environment (JRE) 8, Update 161
- Customization templates, installed as part of the DRS installation, are required for certain customized features.

**Xerox EIP**
- Microsoft Web Service Enhancements 3.0

Any additional prerequisites are installed during the installation process.
Installing Device Registration Service

How to install Device Registration Service

Complete the steps in this procedure to install the Device Registration Service.

1. Right-click the executable file for Device Registration Service and click to Run as administrator, then click Yes to continue.

2. Click Install to install the required software.
3. Click Yes if the installation wizard prompts to reboot the machine.

![Device Registration Service - Installshield Wizard]

**Note:** Contact your system administrator if you are uncertain about whether to reboot the machine.

The installation continues automatically after the machine restarts. If the installation does not continue after the machine restarts, run the executable again to restart the process.

4. On the Java Setup dialog box, click **Install**.

![Java Setup - Welcome dialog box]

5. After Java is installed, click **Close**.

![Java Setup - Complete dialog box]

6. Click **Next** to install Microsoft SQL Server Express or Express LocalDB.
7. Review and accept the Microsoft SQL Server license agreement.
8. Click **Install** to start the Microsoft SQL Server installation.
9. Click **Finish**.
10. Click **Next** to start the Device Registration Service installation.

11. Review and accept the license agreement.
12. On the **Customer Information** screen, enter customer information and click **Next**.
13. On the **Setup Type** screen, select the setup type and click **Next**.

**Note:** The **Custom** setup type offers the ability to customize the install location and is recommended for advanced users.

14. Click **Install**.
15. Click **Finish** to complete the installation.

**CAUTION:** Customization templates, installed as part of the DRS installation, should not be removed from the **Files** tab in the DRS web client. Ensure that files *(RicohSOP-Assets-Customization-<version_number>.zip and RicohSOP-Workflow-Buttons-Customization-<version_number>.zip, located at C:\Program Files (x86)\Nuance\Device)*, are backed up post-DRS installation to a secure location.

Refer to **How to configure Device Registration Service** on page 14 for more information on checking for updated Device Registration Service software.
Upgrading Device Registration Service

This procedure describes how to upgrade the Device Registration Service software when upgrading from Ricoh PCC 5.0 to 5.1, or upgrading from Ricoh SOP 1.0 to 1.1.

**Note:** Ricoh PCC 5.1: Upgrade from DRS 7.11 to at least DRS 7.12 for PCC 5.1. It is recommended to upgrade to DRS 7.13 to access the new features.

Upgrading in case the user has a local database

1. Back up the DRS_LDB.mdf and DRS_LDB_log.ldf files by copying them from the Device Registration Service installation folder to a temporary location. For example, from C:\Program Files (x86)\Nuance\Device Registration Service\Service\.

   **Note:** The files store application and device configurations. The files are deleted when you uninstall Device Registration Service software. If you do not back up the files, you cannot recover the configurations and you have to manually re-create them in the new version of Device Registration Service.

   **Note:** Upgrading of DRS does not preserve all Windows service settings, for example the security settings. Therefore you will want to validate all settings are correct after you start the DRS service.

2. Uninstall your previous version of DRS using **Uninstall a Program** (Control Panel in Windows).
3. Install the latest version of the Device Registration Service software as described in **How to install Device Registration Service** on page 5.

   You must restart your system for changes to Microsoft SQL Server to take effect. When prompted, you can click **Yes** to restart immediately or **No** to restart manually later.
Note: Do not start the DRS service after restart.

Note: Optionally, instead of an in-place DRS upgrade, install DRS 7.13 on a separate supported workstation/server to deploy Ricoh PCC 5.1/Ricoh SOP 1.1. After installing DRS 7.13, migrate the older DRS database to the new DRS workstation/server.

4. Replace the new versions of the DRS_LDB.mdf and DRS_LDB_log.ldf files in the Device Registration Service installation folder with the files that you backed up in step 1 on page 10. The user may now run the Upgrade Tool.

Note: Tool will prompt the user to make changes to the file permissions.

Note: If the correct permissions have been granted and you still get a permissions error reported during the upgrade, you will need to get a system admin to grant temporary write access to the two files before the tool runs. Write access can be revoked once the upgrade tool completes.

5. After restoring the LocalDB database files (DRS_LDB.mdf and DRS_LDB_log.ldf), the user is prompted with the following dialog box upon starting it.

   Click Yes to run the Upgrade Tool.

6. Install the latest Ricoh PCC 5.1/SOP 1.1 client using DRS 7.13 with a Full Install action.

Upgrading Device Registration Service If a Remote Database Is Used

This procedure describes how to upgrade the Device Registration Service software when upgrading from Ricoh PCC 5.0 to 5.1 or upgrading from Ricoh SOP 1.0 to 1.1 if a remote database is used. To upgrade from Ricoh PCC 5.0 to Ricoh PCC 5.1, complete the following:

Upgrading from Ricoh PCC 5.0 to 5.1 or upgrading from Ricoh SOP 1.0 to 1.1 in case a remote database is used

Complete the following:

1. Open Device Registration System Configuration.
2. Stop service.
3. Uncheck Enable Local DB.
4. Click Properties.
5. Enter database information and click **Test Connection** to ensure connection is successful.

6. Click **OK**.
7. Start DRS Upgrade tool and ensure **Enable Local DB** is unchecked.
8. Click **Properties** to ensure database information is available and click **OK**.
9. Click **Run**.

**Database Upgrade Tool**

The database upgrade tool is intended to be run after an existing Device Registration Service installation has been successfully upgraded, with the backed-up database correctly restored, but before the DRS service is started yet. The tool goes through all existing application profiles, devices and
device groups, and (assuming they are already valid) performs necessary modifications to have the
database records ready for the latest DRS release, including but not limited to: initialize properties newly
introduced, convert and/or modify existing values to meet new features’ requirements, and so on.

**Note:** In DRS 7.13, the upgrade tool (NSi.DeviceManagement.Upgrade.exe) is located at C:\Program Files (x86)\Nuance\Device Registration Service\Service.

**Process:**

1. Once started, the DRS Database Upgrade Tool retrieves the database connection currently
configured in DRS Device Configuration Manager and performs the necessary initialization on this
database. Once service has initialized, click **Run** to begin the upgrade process.

   ![Device Registration System Database Upgrade Tool](image)

   During the process, the administrator is informed of application profiles, device groups, and individual
records that have been processed, any errors encountered, and if the upgrade was successful.

2. Once processing has been successfully completed, the log will display **Completed successfully**
message. Click **Close** to exit the tool.

   ![Device Registration System Database Upgrade Tool](image)

3. Start DRS 7.13 service with the newly-upgraded database records.
Configuring Device Registration Service

How to configure Device Registration Service

Perform configuration of the Device Registration Service after you complete the installation.

1. On the Windows Start menu, select All Programs > Nuance > Device Registration Service > Device Configuration Manager.
2. Click Yes when prompted to make changes to the computer.
3. Configure settings on the Service tab as described in the following table:

<table>
<thead>
<tr>
<th>Settings</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Run service under</td>
<td>You can run the service under the local system account or a network account. The selected account needs system permissions to run the service. The account proper permission to manage, update and configure the SQL Server database when Windows Authentication is used to connect to the SQL Server.</td>
</tr>
<tr>
<td>Service Actions</td>
<td>Select the Microsoft Windows service startup type for the Device Registration Service.</td>
</tr>
<tr>
<td>Database Connection</td>
<td>A database repository stores the configuration options that you specify in Device Registration Service. The repository can reside in Microsoft SQL Server Express or Express LocalDB installed with Device Registration Service, or it can reside on a remote instance of Microsoft SQL Server. Select Enable Local Db to use the Express LocalDB. Complete step 4 on page 15 to use a remote instance of Microsoft SQL Server.</td>
</tr>
</tbody>
</table>
Device Registration Service requires several ports to be specified for communication between the Web service and Web client. The Web client is the browser that you will use to access Device Registration Service.

An **Access Group** should be specified. The access group is a user or group of users who will have access (and permission) to use Device Registration Service.

### 4. To use a remote instance of Microsoft SQL Server to host the repository:

a) Clear the **Enable Local DB** check box, and then click **Properties** to open the **Connection Properties** dialog box.

![Connection Properties dialog box](image)

b) Configure Microsoft SQL Server settings as described in the following table:

<table>
<thead>
<tr>
<th>Settings</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Server name</strong></td>
<td>For the default instance of SQL Server, enter the server name or IP address of the server that is running SQL Server. If you are using a named instance of SQL Server, enter the instance name as well in the format, <code>server_name\instance_name</code>.</td>
</tr>
<tr>
<td><strong>Log on to the server</strong></td>
<td>Select the type of authentication for connecting to the server. For the selected type, verify that the credentials have permissions to update or create a database on the specified instance of Microsoft SQL Server.</td>
</tr>
<tr>
<td><strong>Connect to a database</strong></td>
<td>Select an existing database or create one with the latest schema.</td>
</tr>
</tbody>
</table>

c) Click **Test Connection** to test the settings.

d) Click **OK** if the connection is successful.

### 5. On the **Security** tab, enable TLS on the web service or the web client:
To create a self-signed certificate:

a) Select **Enable TLS on Web Service** or **Enable TLS on Web Client**.
b) In the **Choose Certificate** box, click New Self-Signed.
c) Enter the certificate information and click **OK**.

d) In the **Certificate Path** box, type the location where you want to store the certificate.

The **Certificate Password** is the same password that you entered when creating the certificate.

The masked field automatically populates with the password that you entered.

To use an existing certificate:

a) Select **Enable TLS on Web Service** or **Enable TLS on Web Client**.
b) In the **Choose Certificate** box, click Browse.
c) In the **Certificate Path** box, type the path to the certificate.

d) In the **Certificate Password** box, type the certificate password.

**Note:** DRS supports TLS 1.0, 1.1 and 1.2. Support for SSL 3.0 has been discontinued.

6. Configure logging settings on the **Administration** tab as described in the following table:

<table>
<thead>
<tr>
<th>Settings</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Web Service Logging</strong></td>
<td>In the <strong>Log Path</strong> box, type the path to the location where you want to store the web service log file, or click <strong>Browse</strong> to select the location.</td>
</tr>
<tr>
<td></td>
<td>To generate more detailed log files for debugging and advanced troubleshooting with Support, select the <strong>Enable Tracing</strong> check box.</td>
</tr>
<tr>
<td></td>
<td><strong>Note:</strong> This option may affect Device Registration Service performance. Enable tracing only when it is necessary.</td>
</tr>
<tr>
<td></td>
<td>Click <strong>Show Logs</strong> to open the log file in a text editor.</td>
</tr>
<tr>
<td><strong>Web Client Logging</strong></td>
<td>In the <strong>Log Path</strong> box, type the path to the location where you want to store the web client log file, or click <strong>Browse</strong> to select the location.</td>
</tr>
<tr>
<td></td>
<td>To generate more detailed log files for debugging and advanced troubleshooting with Support, select <strong>Enable Tracing</strong>.</td>
</tr>
<tr>
<td></td>
<td><strong>Note:</strong> This option may affect Device Registration Service performance. Enable tracing only when it is necessary.</td>
</tr>
<tr>
<td></td>
<td>Click <strong>Show Logs</strong> to open the log file in a text editor.</td>
</tr>
</tbody>
</table>

Refer to the Device Configuration Manager Help for more information on logging.

### Using DRS Authentication Key

Customers are advised to back up their DRS database after they complete the configuration. Restoring the database will restore the saved DRS Authorization Key for each device. If not available, run the **Uninstall** command first to fully remove the Ricoh client from the device and then set the configuration again as the client will accept the new DRS Authorization Key after a new install.

**DRS Authentication Key**

This security feature has been added to DRS where additional security between the DRS application and the device is enabled using an authentication key. This additional security check will confirm that only the initial DRS instance that was used to deploy or configure the device can be used to update the configuration of the embedded client on the device.
The DRS Authorization Key is pinned to a device or group of devices when a **Full Install** is performed, the DRS Authorization Key is pinned to the device the first time the device is configured within the DRS application and is kept on the device and this authentication key cannot be changed. If any DRS configuration actions, such as Sync Assets, Sync Workflow Buttons or Configure and Reboot do not contain the pinned authentication key, the request will fail and failure message will be displayed in DRS.

The DRS Authorization Key is stored in the DRS database and it is uniquely generated every time a device is added into the same used DRS application. If the same device is added to another DRS instance, then the DRS Authorization Key will be different.

**Note:** If TLS is used on the device, the DRS Authorization Key pinning will not be engaged. Once the device is pinned to a given DRS instance, only that DRS instance can perform the following actions of the install and configuration options: **Sync Assets**, **Sync Workflow Buttons** and **Configure and Reboot**.

**Note:** If TLS is disabled on the device after the initial configuration, the authentication key pinning must be reset. In order to reset the DRS Authorization Key pinning to another DRS instance, use the following actions of the install and configuration options: **Uninstall** and **Full Install**.

### Configure AutoStore to work with a remote DRS Server for Konica Minolta devices

**Attention:** Instructions in this topic apply only for DRS version 7.6 or earlier. For DRS version 7.7 or later, you only need to configure settings on the **Device Registration** tab of the Konica Minolta iOption settings after you add the component to an AutoStore workflow.

To use Device Registration Service version 7.6 or earlier for Konica Minolta iOption devices when DRS and AutoStore are hosted on separate machines, you must manually edit the **Web.config** file located in the **KonicaPanelClient** folder in the AutoStore program files folder. Here is the path to default location for this file on the AutoStore server:

C:\Program Files (x86)\Notable Solutions\AutoStore 7\KonicaPanelClient\Web.config

Use a text or code editor to change the following lines in the file:

```xml
<add key="DrsServiceBaseUri" value="http://DRS_server:service_port" />
<add key="DrsToolUri" value="http://DRS_server:client_port" />
```

You can specify a fixed IP address or host name for **DRS_server**. If you are unsure of what values to use, on the DRS Server, click **Start > All Programs > Nuance > Device Registration Service > Device Configuration Manager** to open the **Device Registration System Configuration** dialog box. The ports and URL are displayed in the **Service Settings** group box on the **Service** tab of this dialog box.

**Note:** These one-time instructions only apply for Konica Minolta devices, and only when AutoStore and DRS are hosted on separate machines. For other device manufacturers, or when AutoStore and DRS are on the same machine, the **Device Registration** component settings in AutoStore will allow the AutoStore component to communicate with the DRS server.
Starting Device Registration Service

How to start Device Registration Service

1. On the Windows Start menu, click All Programs > Nuance > Device Registration Service > Device Configuration Manager. This opens the Device Registration System Configuration dialog box.
2. Click Yes if you are prompted to confirm that you want to make changes to the computer.
3. On the Service tab, in Run Service under choose a designated local or domain account to run DRS service instead of running the service under Local System Account (due to the Windows update's removal of the SQL server database instance). Click Log on as a service permission to the account:
   a) Open Local Security Policy, click Start > Control Panel > Administrative Tools > Local Security Policy (double-click).
   b) In the console tree, double-click Local Policies and then click User Rights Assignment.
   c) In the details pane, double-click Log on as a service.
   d) Click Add User or Group..., and then add the appropriate account to the list of accounts that possess the Log on as a service right.
4. Allow Full control permission of the two LocalDB database files to the account and restart the service.
5. Click the link for Web Client URL.
This opens Device Registration Service in your default web browser.
Migrating Device Configurations

Starting with AutoStore version 7.0, the Ricoh ESA and Xerox EIP Connect Unified Clients do not support the device manager tool in the Ricoh ESA and Xerox EIP Connect non-Unified Clients. To use AutoStore 6.0 device configurations in AutoStore 7.0, use the Device Registration Service migration tool to migrate the configurations to AutoStore 7.0.

Open the migration tool from the AutoStore 7 installation folder. The default path to the tool is C:\Program Files (x86)\Notable Solutions\AutoStore 7\DeviceMigrationTool.exe. The folder location for your environment may vary. The migration tool Help provides more information on converting AutoStore 6.0 device configurations to CSV files for import into Device Registration Service.

The following table lists the procedures for migrating configurations:

<table>
<thead>
<tr>
<th>Unified Client</th>
<th>Procedure</th>
</tr>
</thead>
</table>
| Ricoh ESA      | 1. Install Device Registration Service and create the application profile.  
2. Export the AutoStore 6.0 configuration with the non-Unified Client device manager tool. Access the device manager tool through the non-Unified Client component Preferences tab.  
3. Convert the exported file with the migration tool.  
4. Import the converted file into Device Registration Service. |
**Unified Client** | **Procedure**
--- | ---
Xerox EIP Connect | 1. Install Device Registration Service and create the application profile.
2. If the AutoStore 6.0 configuration contains device groups, create device groups with the same group names in Device Registration Service.
3. Convert the AutoStore 6.0 RegistrationGroups.xml file with the migration tool. The default location of the file is C:\XeroxEIPCapture. The migration tool creates a separate CSV file for each device group in the file.
4. Import the converted files into Device Registration Service.

The *Device Registration Service User Guide* and Device Registration Service Help explain how to create applications, create device groups, and import device configuration files.
Communication Port Reference

The following tables provide general information on ports and protocols for DRS server and unified or combined clients. The component Help files contain information on configuring the components.

**Table 1: DRS and Unified or Combined Client ports**

<table>
<thead>
<tr>
<th>Component name</th>
<th>Device Display Menu Protocol</th>
<th>Device File Transport Protocol</th>
<th>Default Communication Port Numbers</th>
<th>Port Modifiable?</th>
<th>Required Device Components and Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>DRS server</td>
<td>HTTP, HTTPS</td>
<td>HTTP, HTTPS</td>
<td>• Web server: 8753&lt;br&gt;• REST-based web service: 8755&lt;br&gt;• Client Server: 9000&lt;br&gt;• Web client: 9000</td>
<td>• Yes</td>
<td></td>
</tr>
<tr>
<td>Component name</td>
<td>Device Display Menu Protocol</td>
<td>Device File Transport Protocol</td>
<td>Default Communication Port Numbers</td>
<td>Port Modifiable?</td>
<td>Required Device Components and Notes</td>
</tr>
<tr>
<td>----------------------------------------</td>
<td>------------------------------</td>
<td>-------------------------------</td>
<td>-----------------------------------------------------------------------------------------------------</td>
<td>-----------------</td>
<td>-----------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Combined Client for Konica Minolta</td>
<td>HTTP, HTTPS</td>
<td>FTP/WebDAV</td>
<td>• Web application: 3348&lt;br&gt;Device setting for web server&lt;br&gt;• OpenAPI: 50001&lt;br&gt;• OpenAPI SSL/TLS: 50003&lt;br&gt;TCP Socket setting&lt;br&gt;• 59158&lt;br&gt;• SSL/TLS: 59159&lt;br&gt;• ASCII mode: 59160</td>
<td>Yes (except for Web server Open API SSL/TLS)</td>
<td>The Web application port number should match the component setting in AutoStore (or the Output Manager setting when not using AutoStore).</td>
</tr>
<tr>
<td>Combined Client for Ricoh</td>
<td>HTTP, HTTPS</td>
<td>HTTP, HTTPS</td>
<td>AutoStore application port: &lt;br&gt;• AutoStore server: 8084&lt;br&gt;Output Manager application port: &lt;br&gt;• 8068&lt;br&gt;• (SSL): 8069&lt;br&gt;Ricoh ESA (internal device components): &lt;br&gt;• 9999</td>
<td>Yes</td>
<td>Xlet Java Xlet VM card with AutoStore Xlet on the device for communication with the AutoStore server.</td>
</tr>
<tr>
<td>Component name</td>
<td>Device Display Menu Protocol</td>
<td>Device File Transport Protocol</td>
<td>Default Communication Port Numbers</td>
<td>Port Modifiable?</td>
<td>Required Device Components and Notes</td>
</tr>
<tr>
<td>-----------------------------------------------------</td>
<td>------------------------------</td>
<td>--------------------------------</td>
<td>------------------------------------</td>
<td>-----------------</td>
<td>-------------------------------------</td>
</tr>
<tr>
<td>Unified Client for Ricoh SOP / Ricoh PCC5</td>
<td>HTTP, HTTPS</td>
<td>HTTP, HTTPS</td>
<td>AutoStore application port:</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• AutoStore server: 3350</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Output Manager application port:</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• 8068</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• (SSL): 8069</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Equitrac</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• 8443</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Ricoh SOP (internal device components):</td>
<td></td>
<td>The 51443 port is used by Ricoh SOP devices for collecting and configuring device information (see page 21, Protocols and Ports in Security White Paper for Device Manager NX Pro).</td>
</tr>
<tr>
<td>Unified Client for Samsung</td>
<td>HTTP</td>
<td>FTP/WebDAV</td>
<td>Web application: 3349</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• FTP port: 3281</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• WebDAV port: 13392</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>DRS on a remote server:</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Service port: 8753</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Web client: 9000</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Note: All port settings for this component are configured on the Preferences tab of the component settings.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unified Client for Xerox</td>
<td>HTTP, HTTPS</td>
<td>FTP/SMB</td>
<td>Output Manager server ports:</td>
<td>Yes</td>
<td>No applet IIS web application connects to the AutoStore web service. The device connects to the IIS web application.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• HTTPS: 8069</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• HTTP: 8069</td>
<td></td>
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<td>• nettcp: 8070</td>
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<td>Web app port: 3241</td>
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<td>Component name</td>
<td>Device Display Menu Protocol</td>
<td>Device File Transport Protocol</td>
<td>Default Communication Port Numbers</td>
<td>Port Modifiable?</td>
<td>Required Device Components and Notes</td>
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<td>HTTP, HTTPS</td>
<td>HTTP, HTTPS</td>
<td>eCopy ShareScan application port: • eCopy ShareScan server: 9655/9656 Equitrac • 8443</td>
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<td>Unified Client for Toshiba</td>
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<td>HTTP, HTTPS</td>
<td>AutoStore application port: • AutoStore server: 3310 Equitrac • 8444</td>
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