


# Lasernet 10.

## Lasernet Printer Service 10

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# Contents.

<b>1 Introduction.....</b>	<b>4</b>
1.1 Who Should Use This Guide? .....	4
<b>2 Terms of Use. ....</b>	<b>5</b>
<b>3 Overview. ....</b>	<b>6</b>
3.1 Cloud .....	6
3.2 On-Premises.....	7
<b>4 Microsoft Azure Portal. ....</b>	<b>8</b>
4.1 Azure Service Bus .....	8
4.1.1 Shared Access Policies .....	8
4.1.2 Queues .....	9
4.2 Azure Storage Account.....	10
4.2.1 Container Name, Storage Account Name, and Tenant ID .....	10
4.2.2 Access Keys .....	11
4.2.3 Application Registration.....	11
4.2.4 Shared Access Signature (SAS) .....	12
<b>5 Lasernet Config. ....</b>	<b>13</b>
5.1 Print Servers .....	13
5.2 Users and Groups.....	14
5.3 Security Roles.....	15
5.3.1 Configuring Security Roles .....	16
5.4 Print Server Properties Dialog .....	18
5.4.1 General .....	18
5.4.2 Cloud — Service Bus .....	20
5.4.3 Cloud — Storage Account.....	21
5.4.4 On-Premises — Connection.....	24
<b>6 Installing Printer Service Application.....</b>	<b>25</b>
<b>7 Lasetnet Printer Service. ....</b>	<b>26</b>
7.1 Starting Printer Service.....	26
7.2 Connect .....	26
7.3 Printer Service Window .....	27
7.3.1 Printer Profiles .....	27
7.4 Printer Service Window .....	29
7.4.1 Log.....	29
<b>8 Profile Configuration. ....</b>	<b>32</b>
8.1 Add .....	32
8.1.1 General Tab.....	32
8.1.2 Device Settings Tab .....	33
8.1.3 Additional Settings Dialog .....	34
8.2 Deploy Configuration Dialog.....	35
8.3 Windows Services .....	36
8.3.1 Installing Printer Services.....	36
8.3.2 Uninstalling Printer Services .....	36



<b>9 Lasernet Developer</b> .....	<b>37</b>
9.1 Printer Service Module .....	38
9.1.1 Printer Profiles .....	39
9.1.2 Printing PDF and DOCX files .....	39
9.1.3 JobInfos .....	39
<b>10 Lاسernet Form Editor</b> .....	<b>41</b>
10.1 Sheet Options Dialog .....	42
10.1.1 Printer Profile Priority .....	42
<b>11 Notes</b> .....	<b>43</b>
11.1 Hierarchy .....	43
11.2 Supported Formats .....	43
11.3 Licensing .....	43
11.4 Printer Output .....	43
11.5 Printer Profiles .....	43

# 1 Introduction.

## 1.1 Who Should Use This Guide?

This guide is written for everyone whose work involves Lasernet Output workflows and in particular, on-premises and cloud printing. Some experience of using Lasernet Developer and Lasetnet Config Server is required. Please refer to the relevant manuals for more information.

## 2 Terms of Use.

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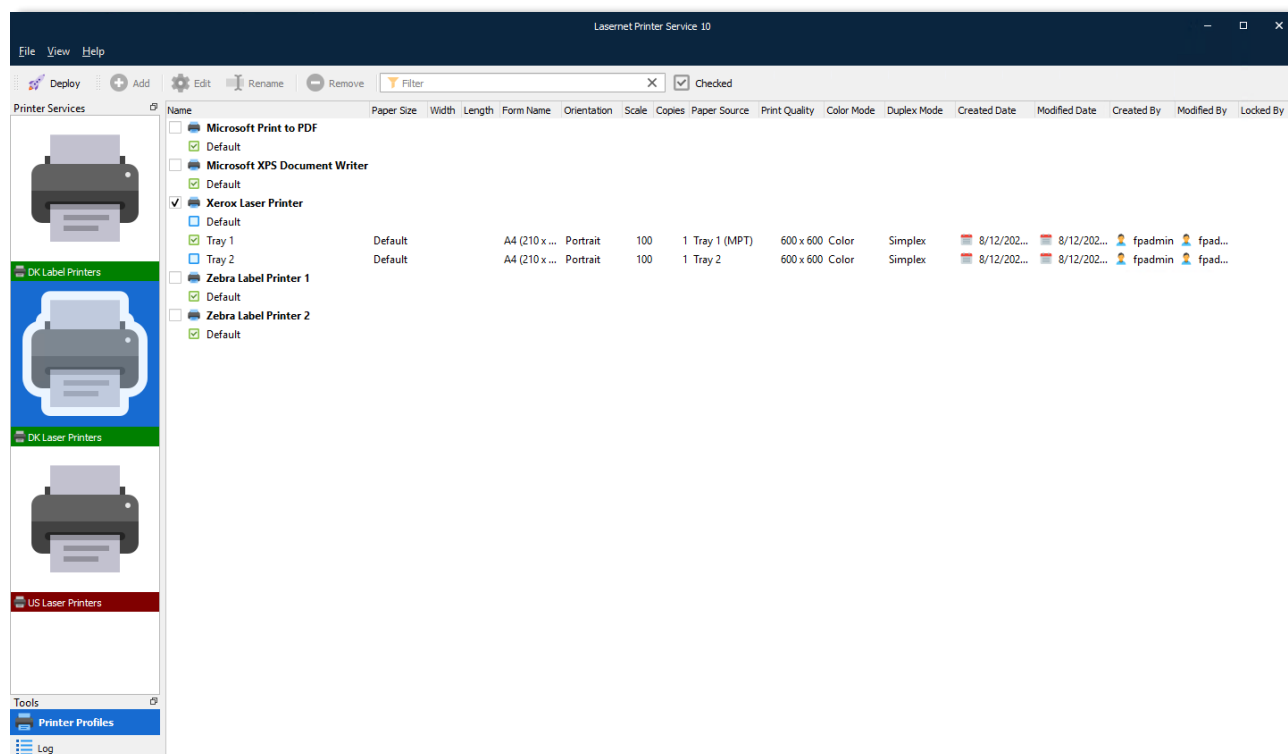
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## 3 Overview.

Lasernet Printer Service is an application that can be used to maintain your custom printer settings and deploy these to local printers, or anywhere globally using Microsoft Azure services. You can configure specific printer driver settings and save them as profiles which in turn can be selected for profile settings to be used by Lasernet.



Certain steps must be completed, in a particular order, to configure and run your printer service. The Lasernet Config server is used to add settings. Then the Printer Service application is installed locally, then the workflow is configured in the Lasernet Developer.

Refer to the relevant checklist for the steps required, in the order they need to be completed.

### 3.1 Cloud

Checklist:

1. Microsoft Azure – both an Azure Storage subscription and an Azure Service Bus are required. For the Service Bus, a connection string is required when you set up Config Server. For the Azure storage account, either a connection string, Shared Access Signature (SAS) token, or app registration details (including client ID and client secret) are required.
2. Set up the Config Server – printer servers; and optionally, user groups and security roles.
3. Install the Printer Service application – primarily with msi file. Alternatively, click the **Install Printer Service** icon on the Lasernet Launcher.

4. Configure the Printer Service application – activating printers, adding profiles. You must deploy to the configuration server log. This lists transactions and print jobs similarly to Lasernet Monitor but exclusively for this module.
5. Configure workflows in Lasetnet Developer – set up destinations from the drop-down menu in the printer service module.

## 3.2 On-Premises

This method of adding on-premises printers does not replace the previous method where printers and printer profiles are maintained in the Lasetnet Developer. This is an additional method that is more consistent with the cloud printing method.

**Note:** Microsoft Azure is not involved with on-premises setups. Go to page 13.

Checklist:

1. Set up the Config Server – printer servers; and optionally, user groups and security roles.
2. Install the Printer Service application – Primarily with msi file. Alternatively, click the **Install Printer Service** icon on the Lasetnet launcher.
3. Configure the Printer Service application – activating printers, adding profiles. You must deploy to the configuration server log. This lists transactions and print jobs similarly to Lasetnet Monitor but exclusively for this module.
4. Configure workflows in Lasetnet Developer – set up destinations from the drop-down menu in the printer service module.

# 4 Microsoft Azure Portal.

**Note:** This section only applies to Cloud printing.

You must set up the connections for the Microsoft Azure Service Bus and Storage Accounts. These must match with Lasernet Printer Service settings.

Locate the relevant settings using the navigation menu on the left.

## 4.1 Azure Service Bus

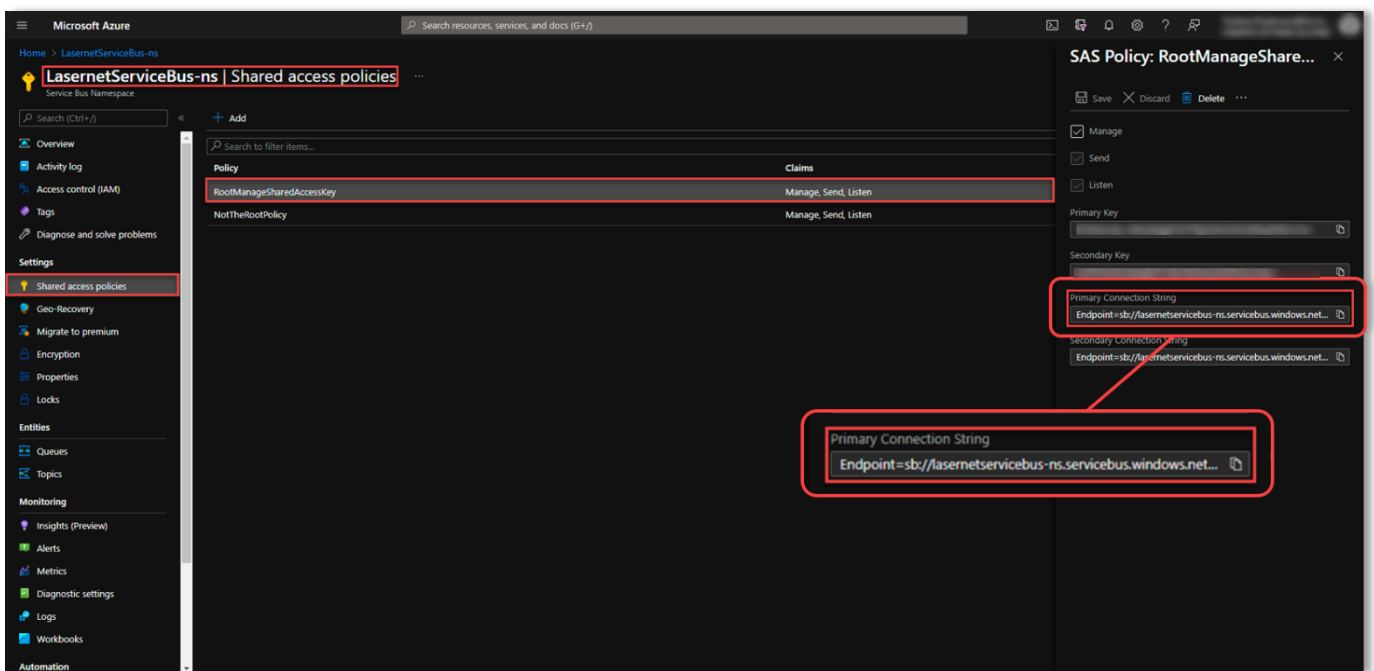
Locate the Azure Service Bus to be used by Lasetnet and obtain the information mentioned in sections 4.1.1 and 4.1.2.

### 4.1.1 Shared Access Policies

Click **Shared access policies** in the navigation menu.

The LasernetServiceBus **RootManageSharedAccessKey** is shown with permissions.

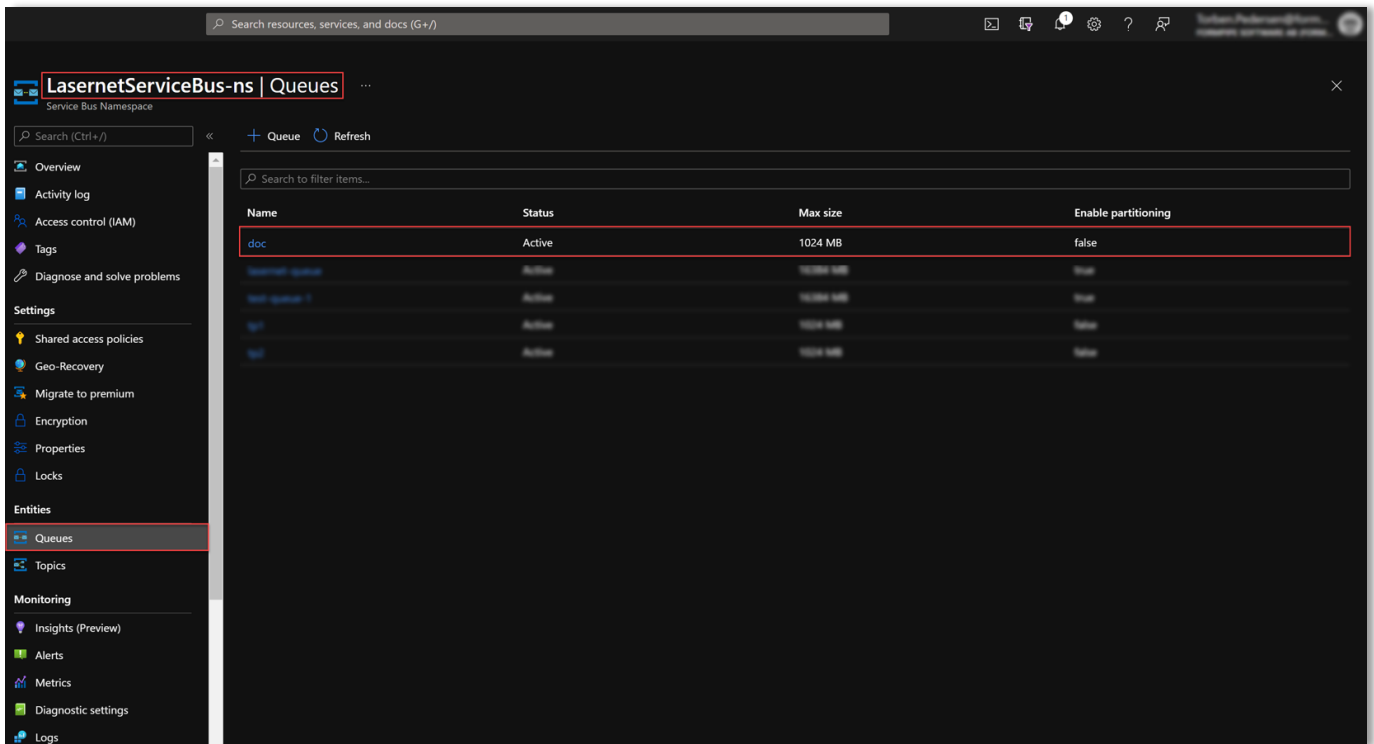
Note the **Primary Connection String** because you will use it when you configure the Service Bus connection in Lasetnet Config (see section 5.4.2).



## 4.1.2 Queues

Click **Queues** in the navigation menu.

Note the **Name** of the queue that will be used. You will use this name (as the **Entity Path**) when you configure the Service Bus connection in Lasernet Config (see section 5.4.2).



The screenshot shows the Azure portal interface for a Service Bus Namespace named 'LasernetServiceBus-ns'. The 'Queues' tab is selected in the left-hand navigation menu. The main content area displays a table of queues with the following data:

Name	Status	Max size	Enable partitioning
doc	Active	1024 MB	false
...	Active	1024 MB	false
...	Active	1024 MB	false
...	Active	1024 MB	false
...	Active	1024 MB	false

## 4.2 Azure Storage Account

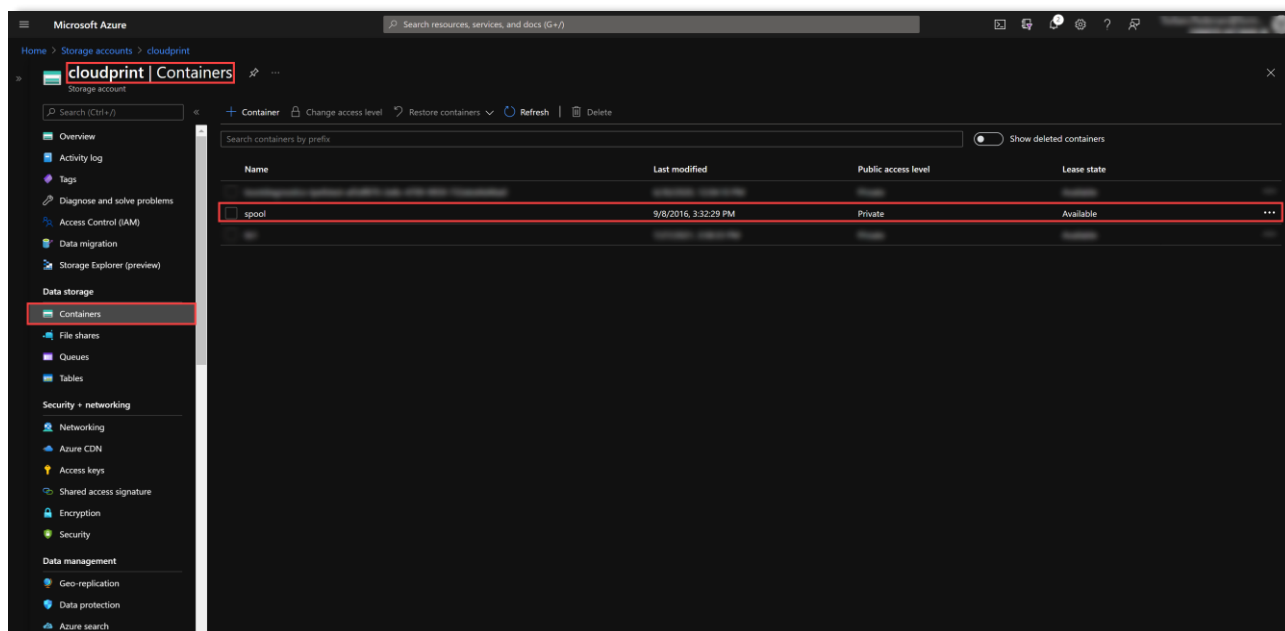
Locate the Azure Storage Account to be used by Lasernet and obtain the container name (and, if using app-registration-based authentication, obtain the storage account name and tenant ID) as described in section 4.2.1 Container Name, Storage Account Name, and Tenant ID.

Then, depending on the authentication type that the Lasetnet will use to access the storage, collect the information mentioned in sections 4.2.2 Access Keys, 4.2.3 Application Registration, or 4.2.4 Shared Access Signature (SAS).

Print jobs are temporarily stored in this container.

### 4.2.1 Container Name, Storage Account Name, and Tenant ID

In the Azure Portal, click **Containers** in the navigation menu, then locate the existing container that Lasetnet will use.



#### 4.2.1.1 For Access Key, App-Registration-Based, and Shared Access Signature (SAS) Authentication

Note the container's **Name** because you will use it when you configure the Azure Storage connection in Lasetnet Config (see section 5.4.3.1, 5.4.3.2, or 5.4.3.3 depending on the authentication type).

#### 4.2.1.2 For App-Registration-Based Authentication Only

Note the name of the storage account (displayed in the top-left corner).

Also note the tenant domain (which is used as the **Tenant ID** when you configure Lasetnet).

You will use these if (in Lasetnet Config) you configure application registration authentication for the Azure Storage connection (see section 5.4.3.2).

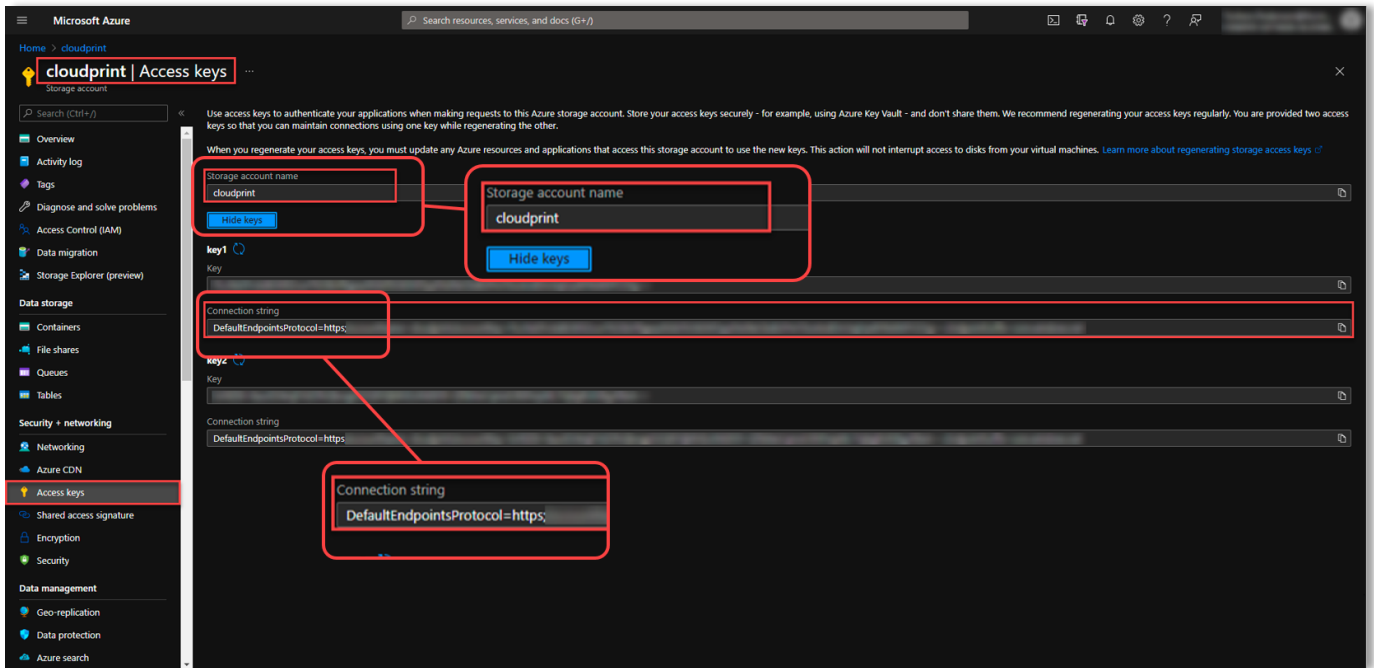
#### 4.2.1.3 For Shared Access Signature (SAS) Authentication Only

Note the name of the storage account (displayed in the top-left corner).

## 4.2.2 Access Keys

If Lasernet will use access key authentication to access the storage account, follow these steps:

1. In the Azure Portal, click **Access keys** in the navigation menu.
2. Locate the **Storage account name** to be used by Lasernet.
3. Copy the **Connection string** because you will use it if (in Lasetnet Config) you configure access key authentication for the Azure Storage connection (see section 5.4.3.1).



## 4.2.3 Application Registration

If Lasetnet will use app-registration-based authentication to access the storage account, an administrator of the relevant Microsoft Azure tenant must create an app registration to represent Lasetnet, configure that app registration (including generating a client secret for it), and then configure the storage account to allow Lasetnet to access it.

Request the app registration's client ID and client secret from the Microsoft Azure administrator.

**Important:** This authentication method is not applicable to Azure Storage containers that are managed by Microsoft Dynamics 365 Finance and Operations.

**Note:** Information for Microsoft Azure administrators to describe the specific configuration changes that they must make to the app registration and storage account is provided separately to this guide. See the *Configure Microsoft Azure to Support Lasetnet Access to Azure Storage Through App-Registration-Based Authentication* article in the Formpipe knowledge base.

#### 4.2.4 Shared Access Signature (SAS)

If Lasernet will use a SAS to access the storage account, an administrator of the relevant Azure Storage account must generate an appropriate SAS token for Lasetnet to use.

The SAS token must be specified in one of these two ways:

- Directly specified in the print server's **SAS Token** setting (in the Lasetnet Config web app).
- Provided by the PrinterServiceAzureStorageSASToken JobInfo in the jobs that Lasetnet processes. This method applies if the **Overridable** checkbox is selected (on the **Shared Access Signature Token (SAS)** tab of the print server's settings in the Lasetnet Config web app).

If using the first method, request the SAS token from the Microsoft Azure administrator.

If using the second method, appropriately design the Lasetnet configuration to set the value of the PrinterServiceAzureStorageSASToken JobInfo to the current SAS token value (when Lasetnet processes a job).

The print server's **Storage account** setting can be overridden by PrinterServiceAzureStorageAccountName JobInfo. The **Container name** setting can be overridden by PrinterServiceAzureStorageContainerName.

For information on how to configure this authentication option (including implementing the overriding of settings), see 5.4.3.3 Shared Access Signature (SAS) Token.

**Note:** Depending on organizational security policy, the SAS token might often change. For this reason, it might be more practical for Lasetnet to retrieve the SAS token and then supply it in the PrinterServiceAzureStorageSASToken JobInfo, rather than require a Lasetnet administrator to update the SAS token specified in a print server's settings (in the Lasetnet Config web app) when the SAS token changes.

# 5 Lasernet Config.

Enables you to maintain different printer instances in different locations, via cloud or on-premises.

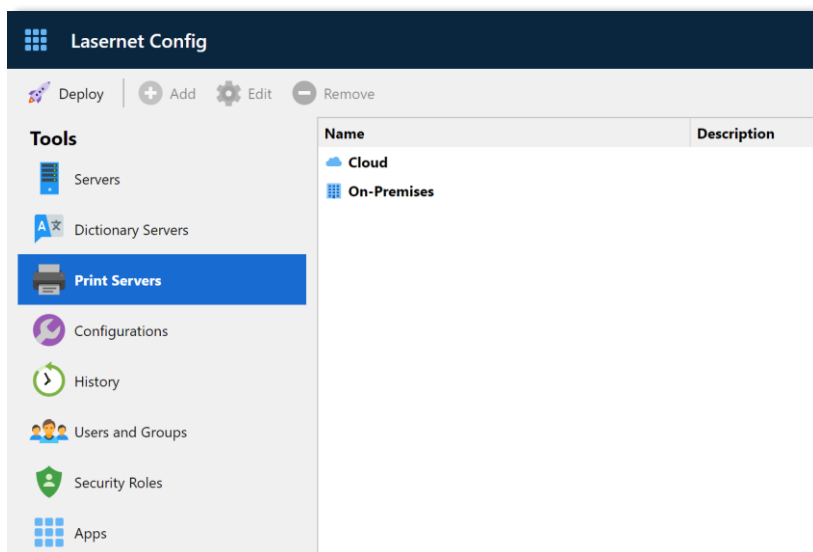
For optimal performance, depending on print load and available cores, we recommend that multiple printer services are added to the same print server. This enables you to separate print server queues into batches for larger printer jobs and on-demand for production labels.

Profiles are saved printer driver settings that are different from windows defaults in the Printer Properties dialog.

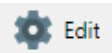
## 5.1 Print Servers

In Lasetnet Config, click the  icon in the Tools menu.

The main area of the window lists all your configured printer servers, organised into either Cloud or On-Premises categories.



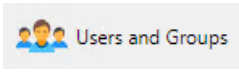
Click the  icon to configure and add a new print server.

Click the  icon to reconfigure the selected print server (alternatively, double-click print server).

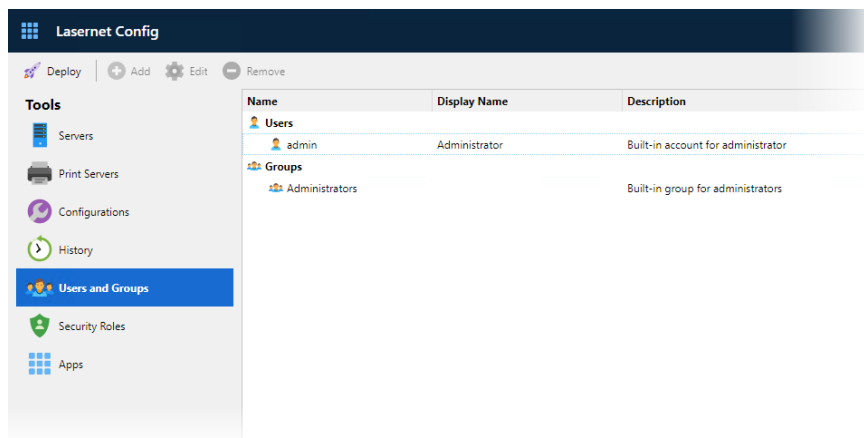
Click the  icon to delete the selected print server.

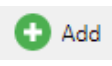
## 5.2 Users and Groups

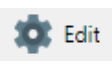
**Note:** This is an optional function to define users, group them and assign different permissions and security roles.

In Lasernet Config, click the  icon in the Tools menu.

The main area of the window lists all your configured users and groups, organised into the respective categories.



Click the  icon to configure and add a new user or group (depending on what is selected).

Click the  icon to reconfigure the selected user or group (alternatively, double-click print server).

Click the  icon to delete the selected user or group.

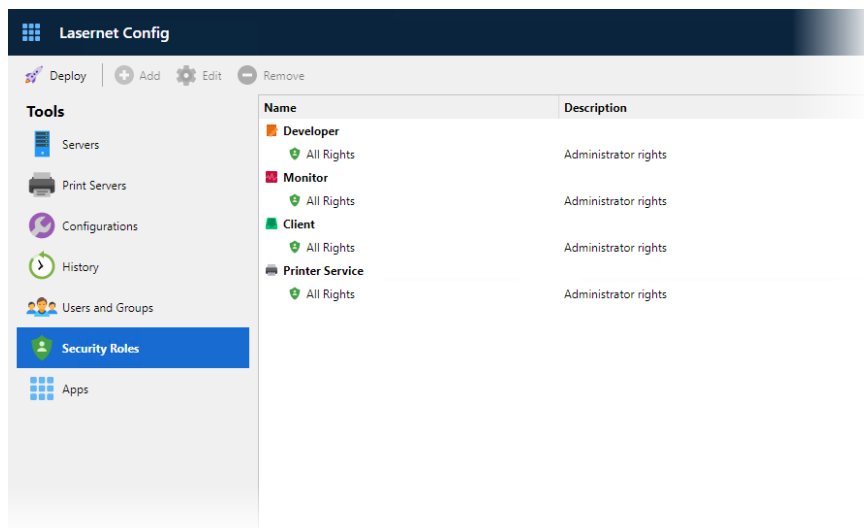
Refer to the Config Server manual for more details about settings for Users and Groups.

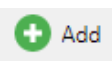
## 5.3 Security Roles

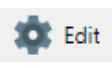
**Note:** This is an optional function to specify permissions and security roles that are granted to different users and groups.

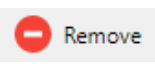
In Lasernet Config, click the  icon in the Tools menu.

The main area of the window lists Laseonet applications with the security rights assigned, including for Printer Service.

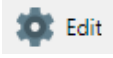


Click the  icon to configure and add a new security role to the selected category.

Click the  icon to reconfigure the selected security role (alternatively, double-click the security role).

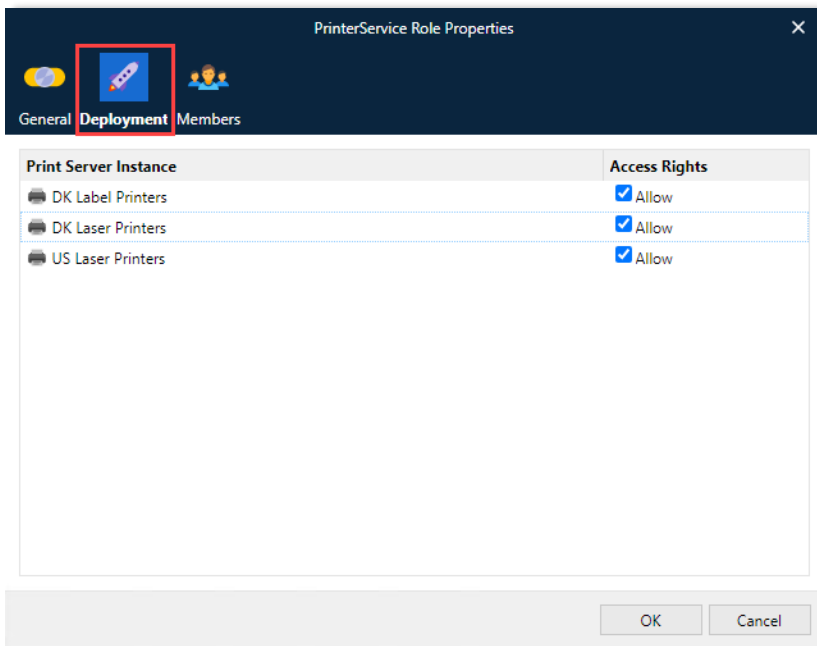
Click the  icon to delete the selected security role.

### 5.3.1 Configuring Security Roles

Select All Rights in the Printer Service category and either double-click or click the  icon.

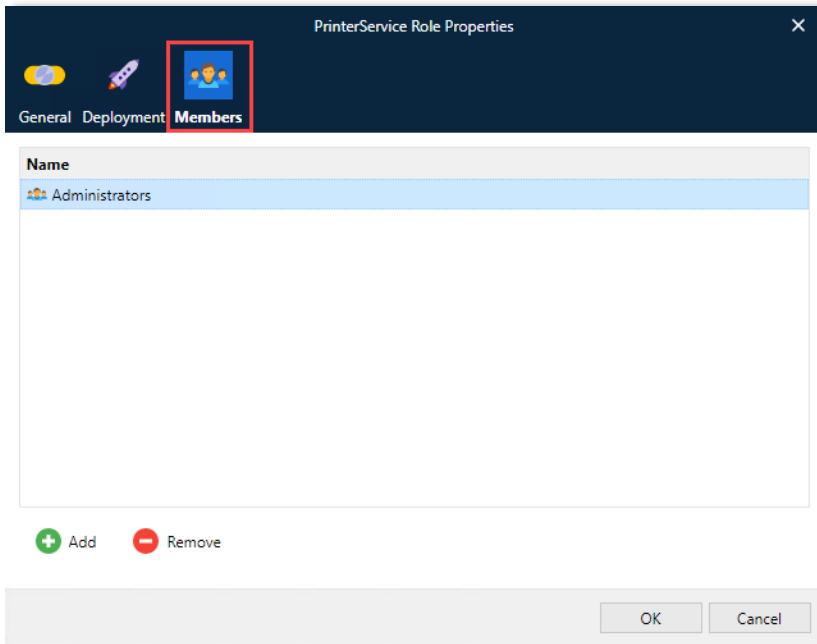
The Printer Service Role Properties dialog will be displayed. You can set the permission settings for different user groups for printers and profiles in the current instance.


#### Deployment Tab




Check **Allow** to enable that printer to be accessed in Printer Service.

## Members Tab



Click the  **Add** icon to select and add user groups, granting them access rights to use the Printer Service.

Click  **Remove** to revoke access rights from the selected user group.

**Note:** If a user is a member of several groups the selected access rights are a summary of all groups.

## 5.4 Print Server Properties Dialog

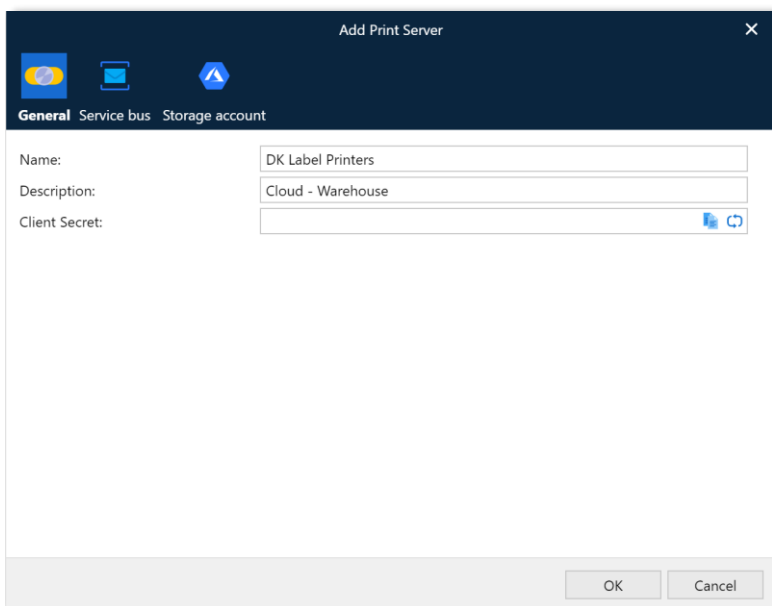
This dialog is displayed when you add or edit a print server.

Double-click in the listed printer profile or click **Edit**.

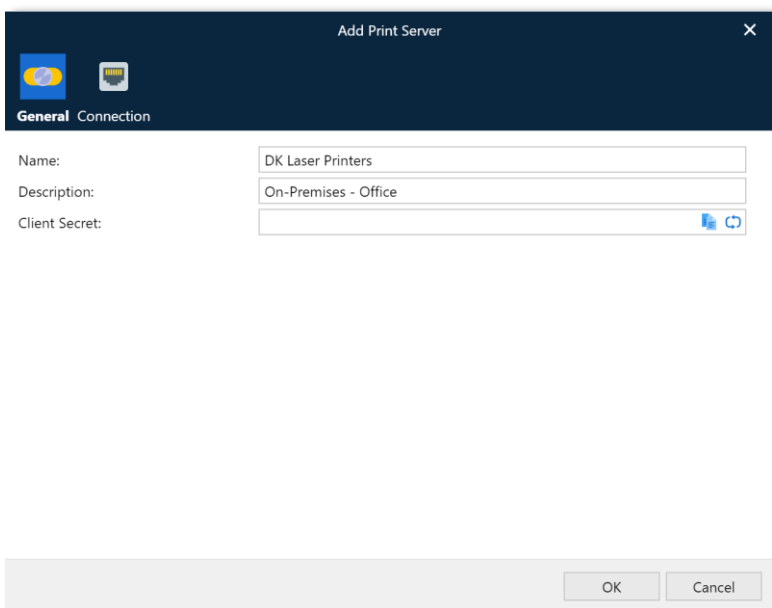
### 5.4.1 General

Enter your own memorable descriptions for the print server.

#### Cloud




#### On-Premises



**Name** – The name that will be displayed to identify the print server.

**Description** – Custom description of the print server.

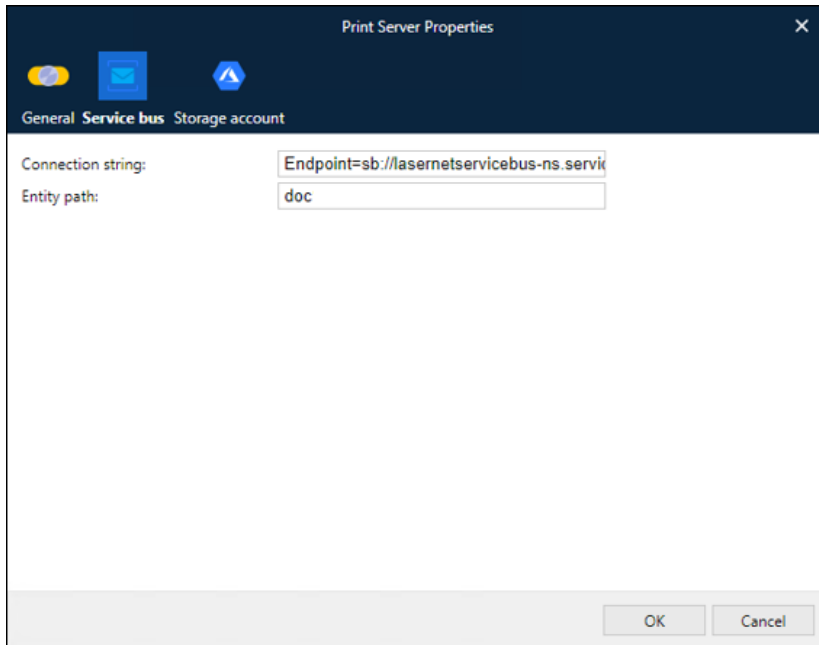
**Client Secret** – A unique character string used by Lasernet servers to authenticate a session with the Printer Service. Click the  icon in the field to generate a random client secret.

**Notes:**

1. Client Secret is used for both cloud and on-premises printing.
2. If your Printer Service is running and client secret is regenerated, you must log out of the Printer Service application, log in again and deploy your printers and printer profiles to update the client secret.

## 5.4.2 Cloud — Service Bus

Insert the endpoint and entity path for the Service Bus as defined in Microsoft Azure.



**Connection String** – The Service Bus endpoint connection string. Use the connection string that you noted in section 4.1.1.

**Entity Path** – The name of the Service Bus queue that will be used (as noted in section 4.1.2).

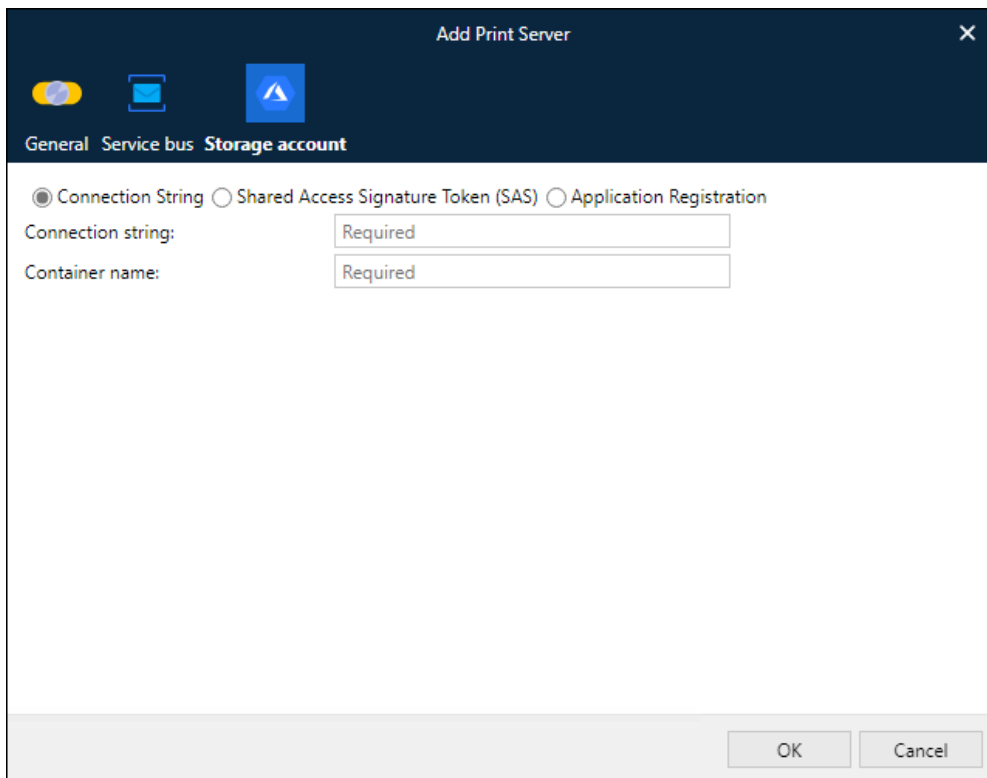
**Note:** Separate printer servers should have individual Service Bus queues/entity paths; they should not share.

### 5.4.3 Cloud — Storage Account

The instructions for configuring authentication with the Azure Storage account depend on the authentication type (access key, app-registration-based, or Shared Access Signature (SAS) token) that Lasernet will use to access the storage. Refer to the relevant following section.

#### 5.4.3.1 Connection String (Access Key)

If Lasetnet will use access key authentication, click **Connection String**, then use the storage account container name and connection string (as defined in Microsoft Azure) that you collected when following the instructions in sections 4.2.1 Container Name, Storage Account Name, and Tenant ID and 4.2.2 Access Keys.



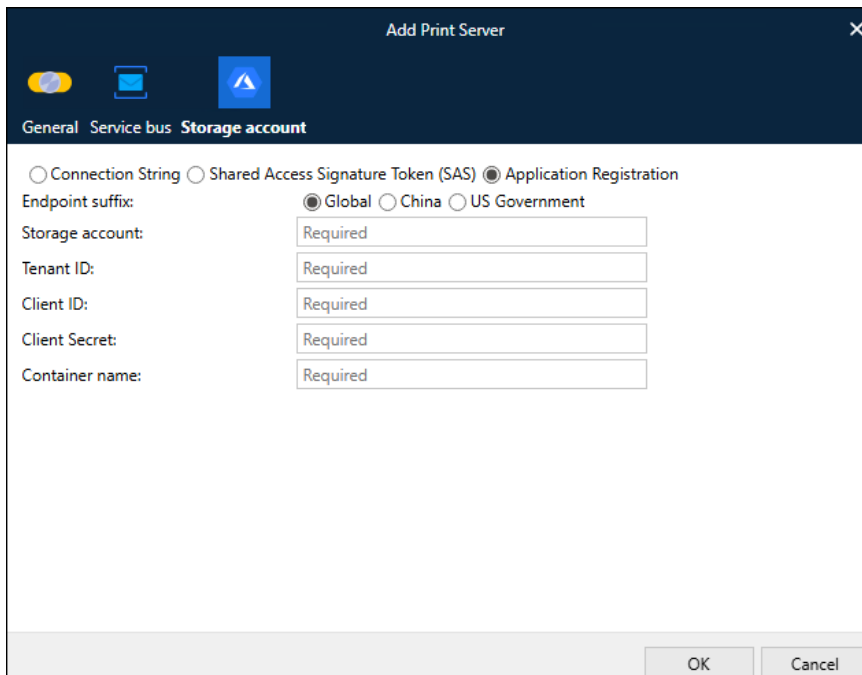
The screenshot shows a dialog box titled "Add Print Server" with a close button (X) in the top right corner. The dialog has three tabs: "General", "Service bus", and "Storage account", with "Storage account" being the active tab. Under the "Storage account" tab, there are three radio button options: "Connection String" (which is selected), "Shared Access Signature Token (SAS)", and "Application Registration". Below these options are two text input fields. The first is labeled "Connection string:" and contains the text "Required". The second is labeled "Container name:" and also contains the text "Required". At the bottom right of the dialog, there are two buttons: "OK" and "Cancel".

**Connection string** – The storage account connection string. Use the connection string that you noted in section 4.2.2 Access Keys.

**Container name** – A unique name to identify the container. Use the name you copied from the Azure Portal (see section 4.2.1 Container Name, Storage Account Name, and Tenant ID).

### 5.4.3.2 Application Registration

If Lasernet will use app-registration-based authentication, click **App Registration**, then use the app registration details and container name (as defined in Microsoft Azure), which you collected when following the instructions in sections 4.2.1 Container Name, Storage Account Name, and Tenant ID and 4.2.3 Application Registration.



**Endpoint suffix** – Select the Microsoft cloud that hosts the storage account. Microsoft maintains separate clouds for data residency and regulatory compliance reasons.

**Storage account** – Use the storage account name that you copied from the Azure Portal (see section 4.2.1.2).

**Tenant ID** – Use the tenant domain that you copied from the Azure Portal (see section 4.2.1.2).

**Client ID** – Use the **Application (client) ID** (from the Azure Portal) of the app registration that Lasetnet will authenticate as. See 4.2.3 Application Registration.

**Client Secret** – Use a client secret (from the Azure Portal) for the app registration that Lasetnet will authenticate as. See 4.2.3 Application Registration. **Note:** This is not the same client secret that you entered on the **General** tab.

**Container name** – Use the name you copied from the Azure Portal (see section 4.2.1 Container Name, Storage Account Name, and Tenant ID)

### 5.4.3.3 Shared Access Signature (SAS) Token

If Lasernet will use a Shared Access Signature (SAS) to access Azure Storage, click **Shared Access Signature Token (SAS)**.

The **Overridable** checkbox determines whether the Printer Service Output module can read **Endpoint suffix**, **Storage account**, **Container name**, or **SAS Token** from JobInfos when Lasetnet sends jobs to the Printer Service app.

If **Overridable** is selected, and one or more of the following JobInfos exist when Lasetnet processes a job, the values provided by the JobInfos that are present will override the values present in this **Add Print Server** window.

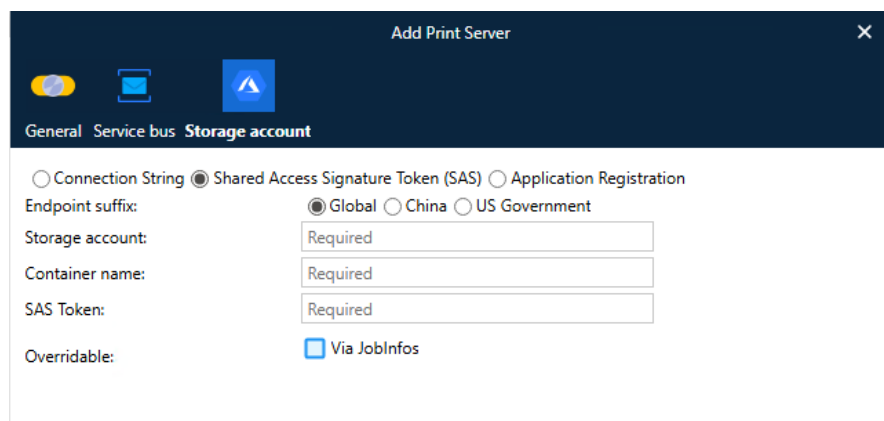
- PrinterServiceAzureStorageAccountName
- PrinterServiceAzureStorageContainerName
- PrinterServiceAzureStorageSASToken
- PrinterServiceAzureStorageEndpointSuffix

If the PrinterServiceAzureStorageEndpointSuffix JobInfo exists, it must contain one of the following values:

- core.windows.net
- core.chinacloudapi.cn
- core.usgovcloudapi.net

If **Overridable** is selected, **Endpoint suffix**, **Storage account**, **Container name**, and **SAS Token** can each either be left as their default value or given values, depending on the behavior that you want to implement. This is because these settings are individually overridable. For example, you can enter values in the **Add Print Server** window for **Storage account** and **Container name**, leave **SAS Token** blank, and then ensure that Lasetnet jobs contain the PrinterServiceAzureStorageSASToken and PrinterServiceAzureStorageEndpointSuffix JobInfos.

If **Overridable** is cleared, you must provide values in this **Add Print Server** window for **Storage account**, **Container name**, and **SAS Token**.



The screenshot shows the 'Add Print Server' dialog box with the 'Storage account' tab selected. At the top, there are three tabs: 'General', 'Service bus', and 'Storage account'. Below the tabs, there are three radio buttons: 'Connection String', 'Shared Access Signature Token (SAS)' (which is selected), and 'Application Registration'. Under 'Endpoint suffix', there are three radio buttons: 'Global' (selected), 'China', and 'US Government'. There are three text input fields: 'Storage account:', 'Container name:', and 'SAS Token:', each with the word 'Required' inside. At the bottom, there is a checkbox labeled 'Overridable:' which is checked, with the text 'Via JobInfos' next to it.

**Overridable** – See the information above.

**Endpoint suffix** – Select the Microsoft cloud that hosts the storage account. Microsoft maintains separate clouds for data residency and regulatory compliance reasons.

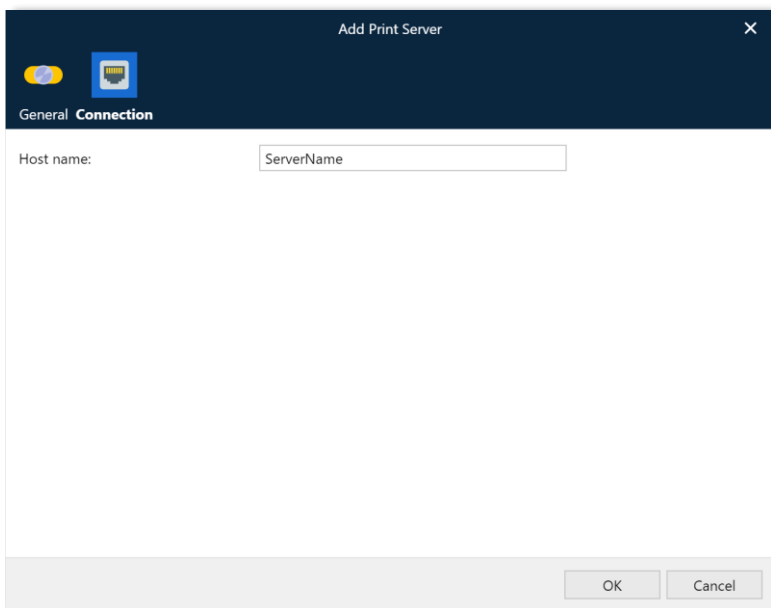
**Storage account** – Use the storage account name that you copied from the Azure Portal (see section 4.2.1.3).

**Container name** – Use the name you copied from the Azure Portal (see section 4.2.1.1).

**SAS Token** – This is the SAS token supplied to you by the Microsoft Azure administrator (see section 4.2.4 Shared Access Signature (SAS)).

### 5.4.4 On-Premises — Connection

Insert the host name for the local printer server running the Printer Service app.



**Host name** – The name of server inserted as host name must be accessible via an open TCP/IP connection for the Lasernet Server / Printer Service module. The port number is 3278 and cannot be changed.

## 6 Installing Printer Service Application.

Lasernet Printer Service is a standalone application and must be installed before use.

Run the standalone installer Lasernet Printer Service 10.msi

Alternatively, click the **Install Printer Service** icon on the Lasetnet launcher.



Follow the on-screen steps to install. We recommend using the default settings.

### Notes:

The Printer Service application will automatically install the required service(s) "Lasernet Printer Service 10 (PrinterServerName)" in Windows Services, listening on:

[https://\[WindowsServerName\]:3278/Inprintservice/api/\[LasernetHostName\]](https://[WindowsServerName]:3278/Inprintservice/api/[LasernetHostName])

The port number **3278** is fixed and cannot be changed.

The services receive prints from the Lasetnet Server and prints to local printer(s) applying printer profiles on request.

# 7 Lasernet Printer Service.

## 7.1 Starting Printer Service

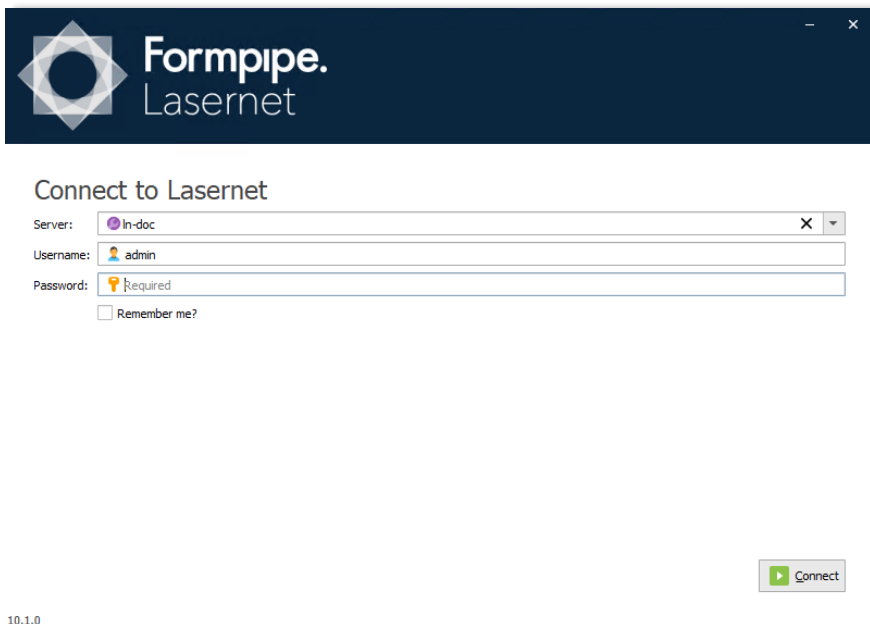
**Note:** Before first use, you need to install the application.

Click the **Printer Service** icon on the Lasernet Launcher, or your shortcut.



## 7.2 Connect

Connect to the Lasernet Config server by typing the server name and your credentials.



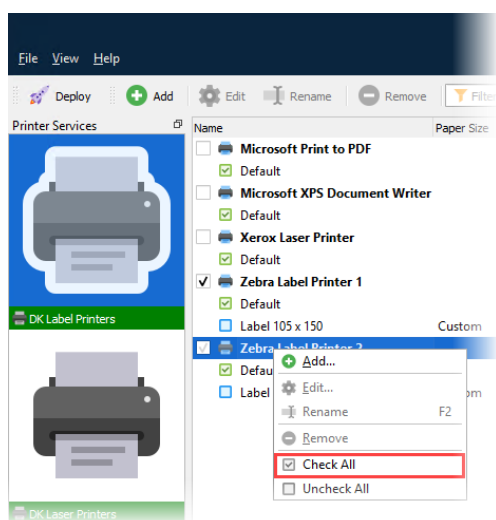
## 7.3 Printer Service Window

The Printer Service window lists all Windows printers. It also lists Lasernet profiles in which device mode settings are stored when they have been added. The Default profile refers to the default settings for the Windows printer, instead of a custom added printer profile.

Select the printer service on the left side for which you want to assign printers.

**Note:** Separate printer servers should have individual service bus queues; not share the same details.

Right-click on the printer name and select **Check All** to deploy all printers for the selected printer service.

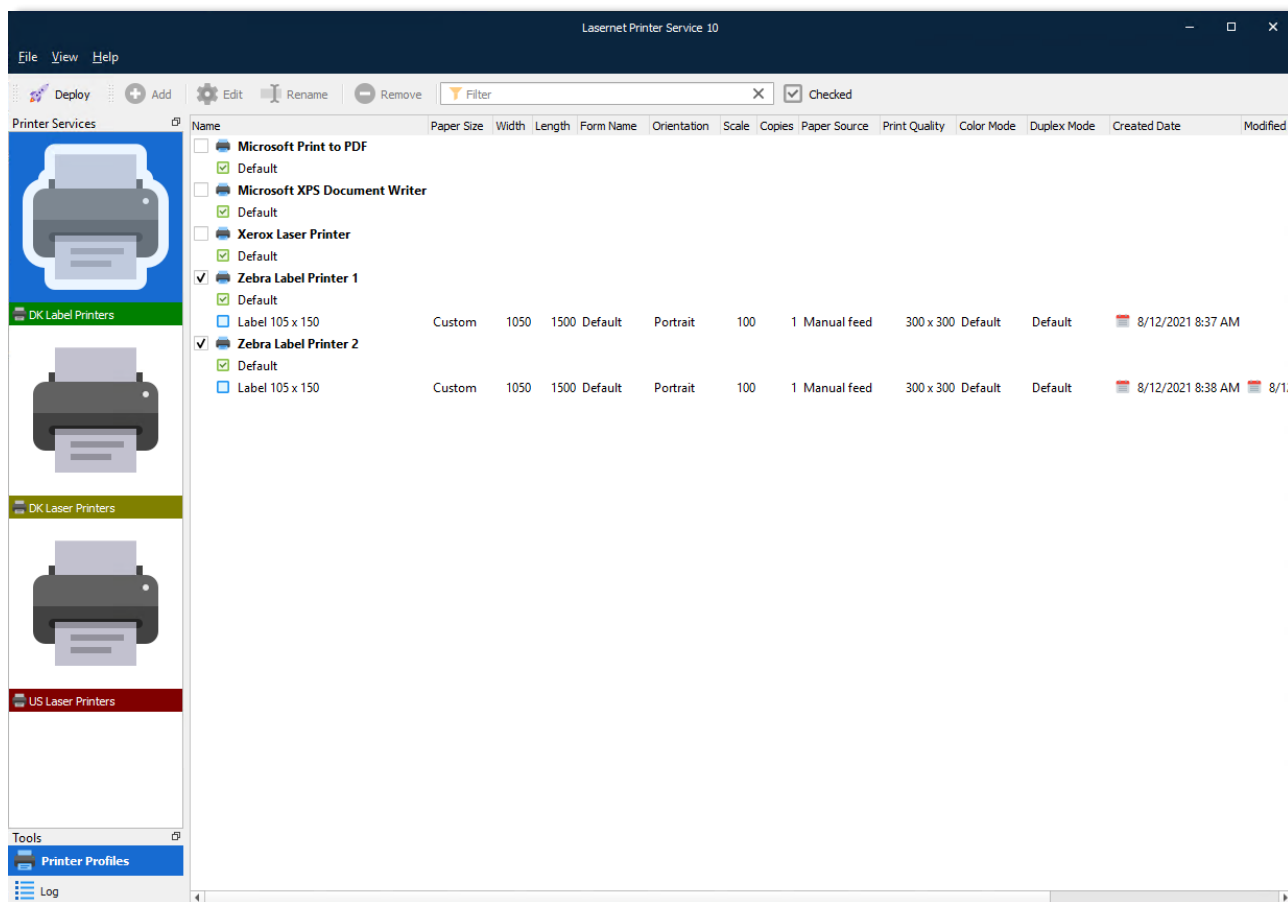


### 7.3.1 Printer Profiles

Check the printers you want to be accessible in Lasetnet.

Active printers are checked; Lasetnet will use the **Default** device mode settings for a printer, if the profile for a job is unspecified, or alternatively select another profile.

It also shows common device mode settings – for example, Paper Size, Orientation and Paper Source.





Click the  **Deploy** icon to log in to a Lasernet session and connect the printer profile to your workflow.

**Note:** Deploy will only be active if at least one printer is checked.


Click the  **Add** icon to add a new printer profile for the selected printer.

Click the  **Edit** icon to edit the selected printer profile (alternatively, right-click the profile).

Click the  **Rename** icon to rename the selected printer profile.




Click the  **Remove** icon to delete the selected printer profile.

Type a term in the  **Filter** field to filter results by printer name.

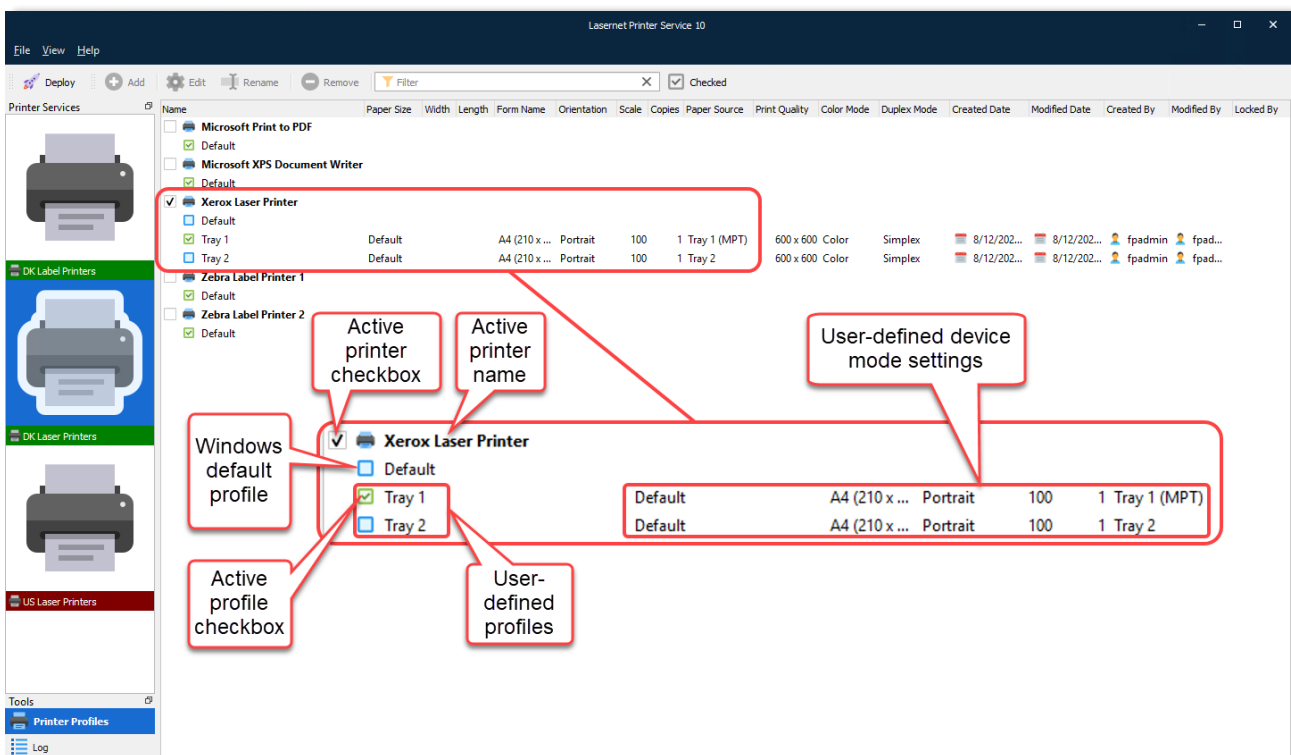
Click the  **Checked** icon to list only printers with a check mark applied.

### Status Indicators

The printer icon will have one of the following color indicators, depending on status for the Lasernet Printer Services running as Windows Services:

 DK Label Printers	Service is installed and running
 DK Laser Printers	Installed but not running
 US Laser Printers	Not installed

## 7.4 Printer Service Window

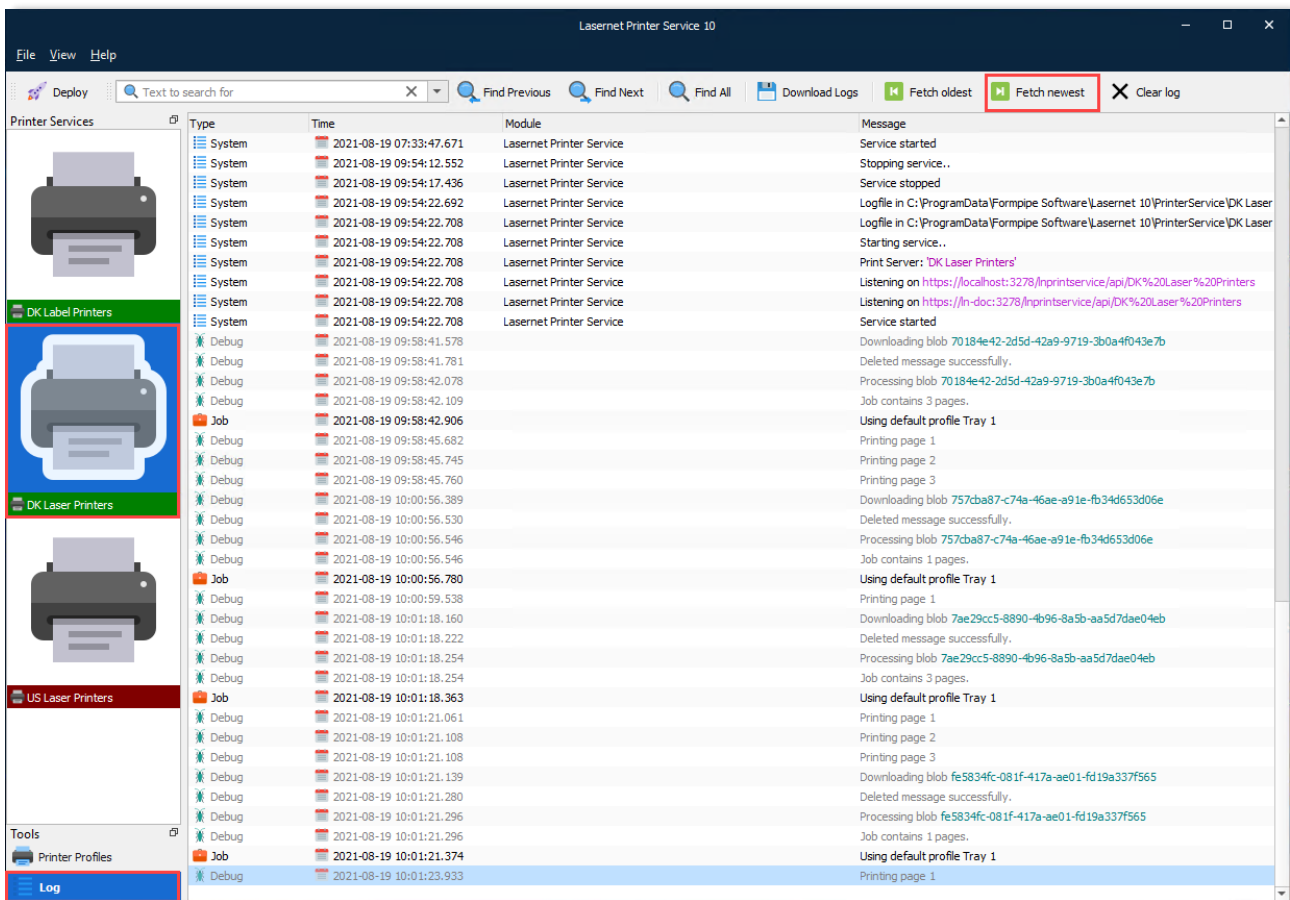


### 7.4.1 Log

Click the relevant Printer Service icon in the left pane, then click **Log**.


Click **Fetch newest** to retrieve the latest log entries for processed print jobs.


**Note:** You can scroll up or down to fetch older or newer logs respectively.




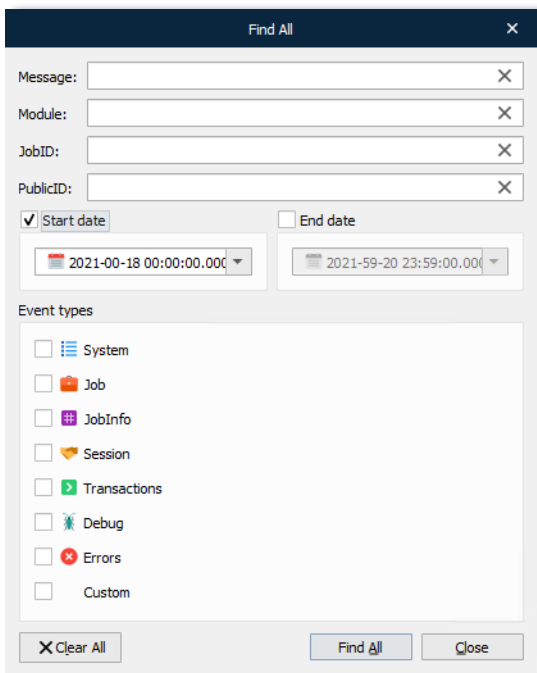
The Log toolbar contains the following commands:


Type a term in the  field to search the log. Text strings are not case-sensitive.


Click  **Find Previous** to display the previous string found by the search.


Click  **Find Next** to display the next string found by the search.


Click  **Find All** to display the Find All dialog from which you can define more specific search criteria:



Click  **Download Logs** to download the log files from the server / instance to the local computer as a zip file.

Click  **Fetch oldest** to scroll to the oldest log entry available on the server. (Note: Alternatively, scroll up to fetch older entries.)

Click  **Fetch newest** to scroll to the newest log entry available on the server. (Note: Alternatively, scroll down to fetch newer entries.)

Click  **Clear log** to remove log entries from the screen.

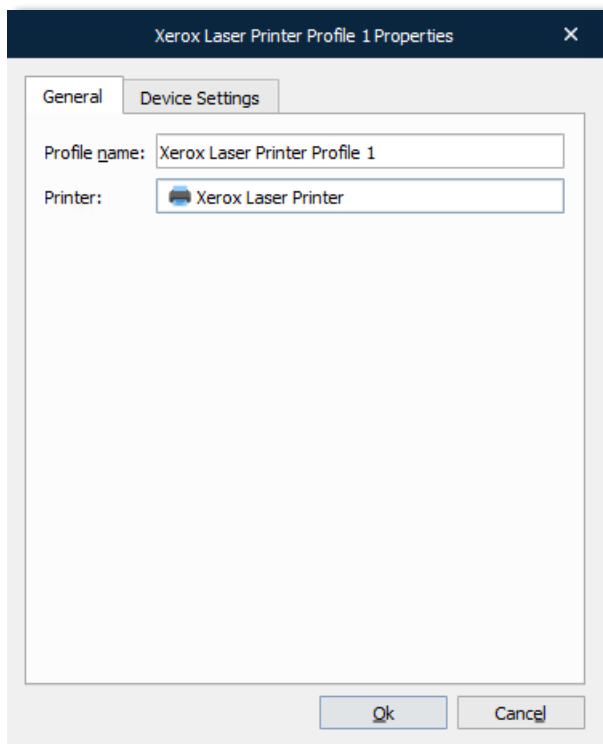
# 8 Profile Configuration.

## 8.1 Add

Click **Add** to show a dialog to input a new configuration for the selected printer.

### 8.1.1 General Tab

Enables you to name the profile and view the printer to which it is associated.

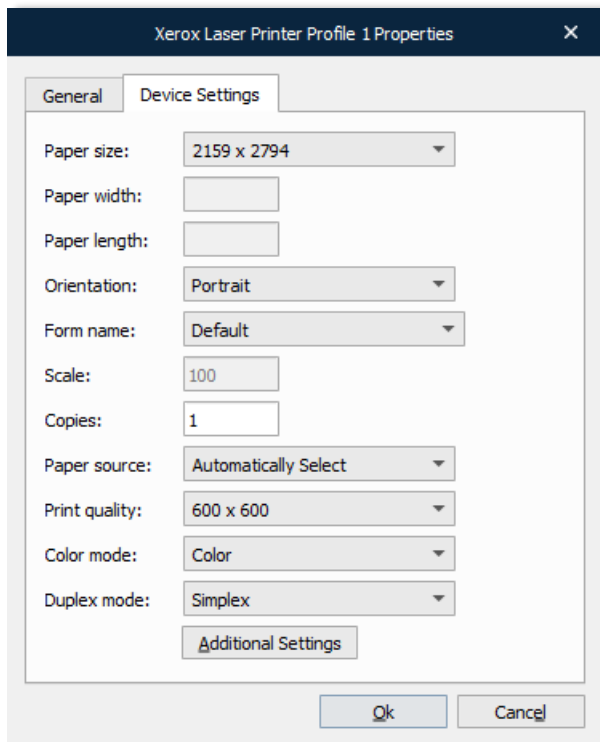


**Profile name** – Type a unique name to identify the profile.

**Printer** – The printer to which the configuration will be added.

### 8.1.2 Device Settings Tab

Device Settings enables you to define standard properties for the printer including paper size, paper source, number of copies, color mode, duplex mode etc.

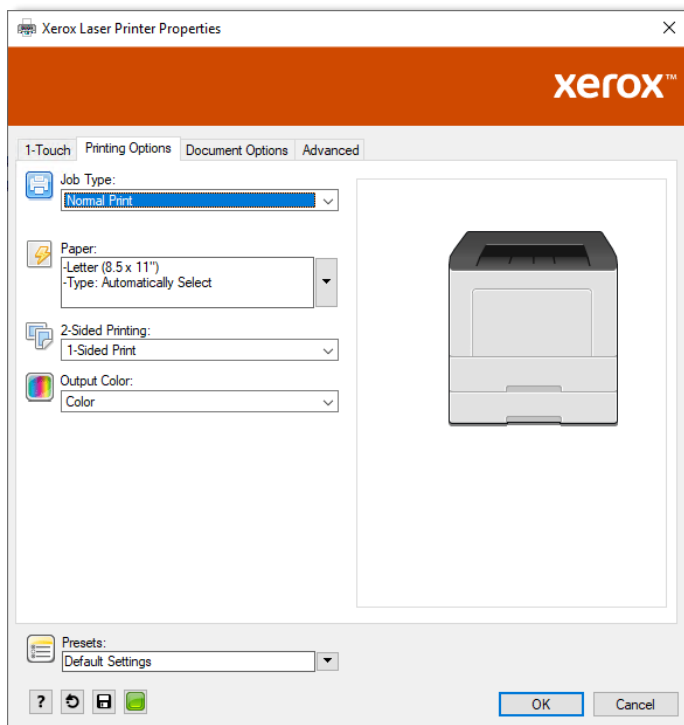


Click **Additional Settings** to show specific printer driver settings.

### 8.1.3 Additional Settings Dialog

The specific driver module settings can be configured.

These settings will be saved by Lasernet in a device mode context and can later be activated from Lasetnet workflow.

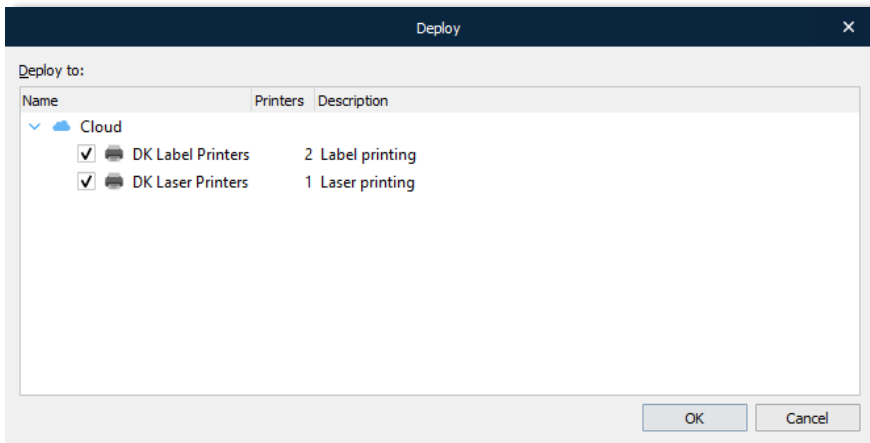


**Note:** The dialog shown and settings available will vary depending on the printer hardware being configured.

## 8.2 Deploy Configuration Dialog

This dialog lists the deployment history for printer configurations.

Select the printer server instances for which you want to deploy the printer list and profiles.



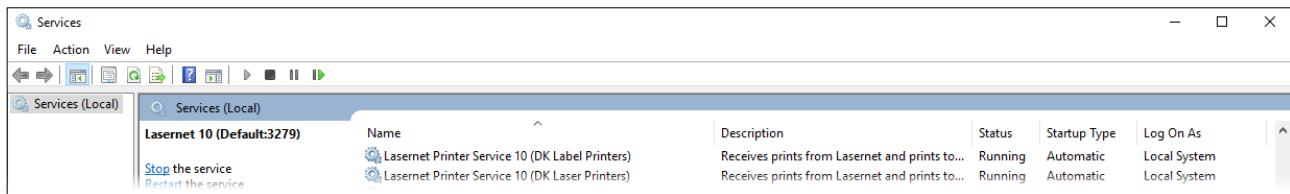
Click **OK** to deploy to the Configuration server.

## 8.3 Windows Services

### 8.3.1 Installing Printer Services

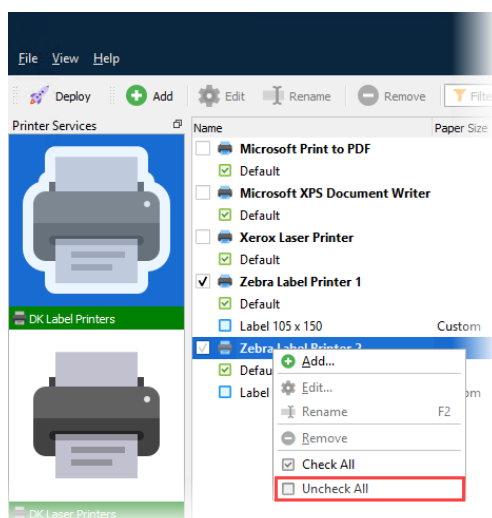
After the first deployment, where at least one printer and profile are selected, a Lasernet Printer Service for each instance will be installed and started in Windows Services.


These receive prints from Lasernet and print to your local printer, applying Printer Profile settings.

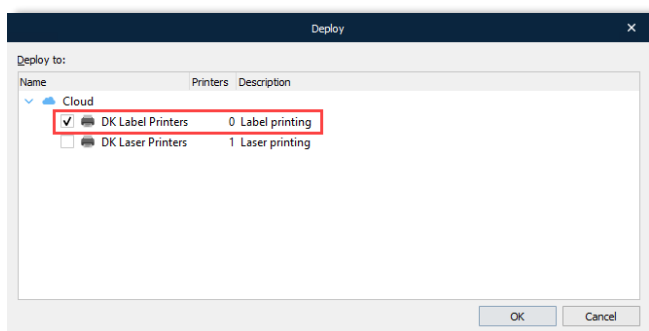


### 8.3.2 Uninstalling Printer Services

Uncheck all printers in the Printer Service window list that are assigned to a particular printer server instance.



Click  .



This will remove the selected printers and profiles from the configuration and uninstall them from Windows Services.

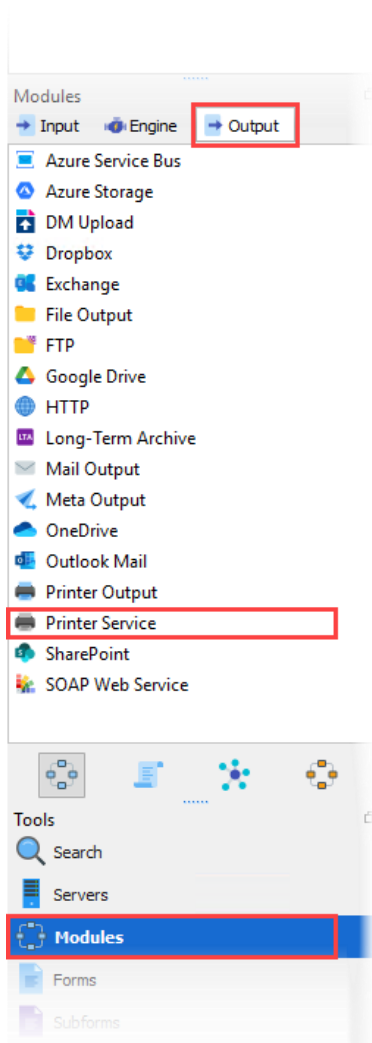
## 9 Lasernet Developer.

Start Lasetnet Developer.

Connect to the Lasetnet Config server by typing the server name and your credentials.

Select **Modules** in the Tools menu.

Click **Output** then add a **Printer Service** module.

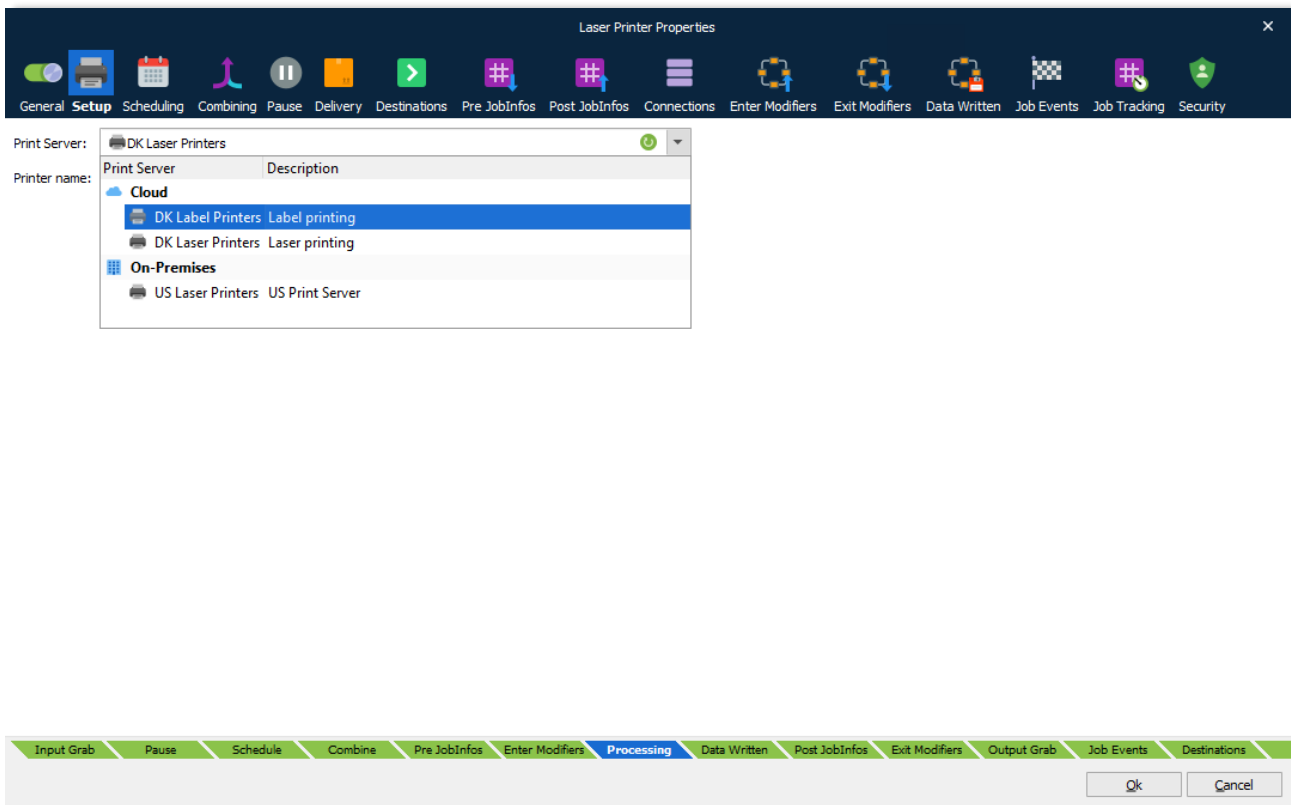


Select a printer server and a printer name from the drop-down list.

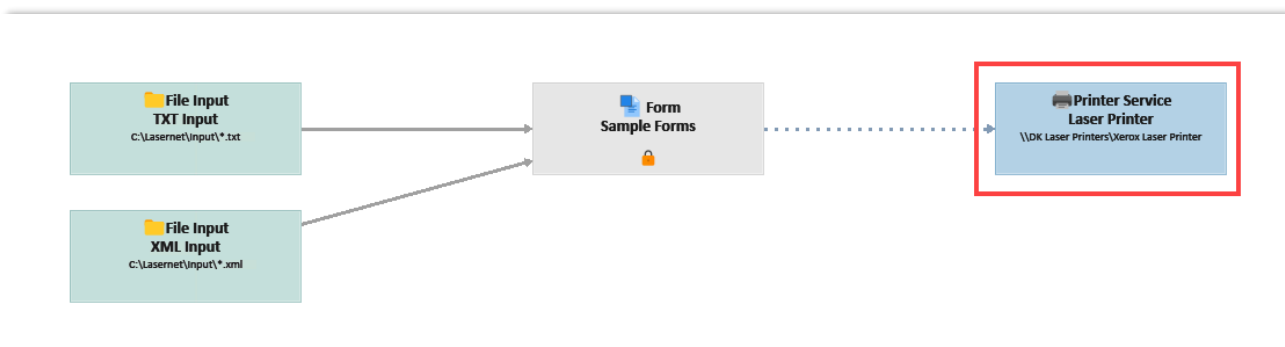
**Note:** This list is retrieved from the printer services added to the Lasetnet Config server. See section 5.

## 9.1 Printer Service Module

Select the printer server and connect to the specific printer using the drop-down menus.



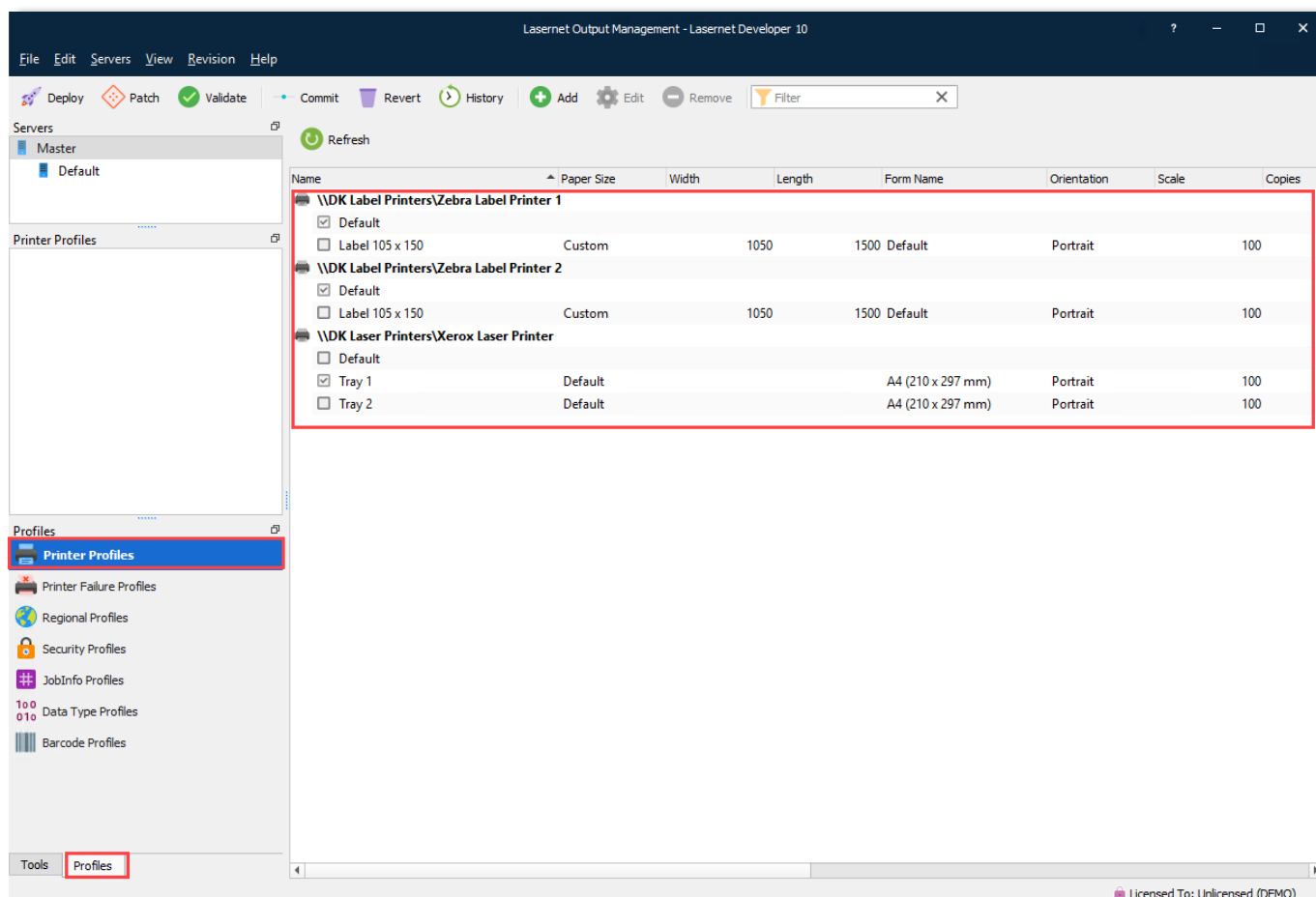
**Note:** You must first configure your Print Servers, on the Config Server, and add and deploy printers in the Printer Service app do this.



### 9.1.1 Printer Profiles

Click the **Profiles** tab at the bottom of the left panel, then select **Printer Profiles**.

Here you can view the list of printer service instances, and their printer profiles, created in the Printer Service app.



Printer profiles are supported for documents created in the EMF format only.

### 9.1.2 Printing PDF and DOCX files.

The Print Service module and app also have a functionality to auto-detect and print PDF and DOCX documents, called printer attachments, without the needs for 3<sup>rd</sup> party applications, including selection of paper source in the printer by detecting the PDF page sizes in the PDF documents. Other printer settings are selected by the default printer settings defined in the Windows printer settings.

### 9.1.3 JobInfos

A list of JobInfos can overrule the printer settings:

**ColorMode** ColorMode is used set monochrome or color printing. Known values are: Default, monochrome and color.

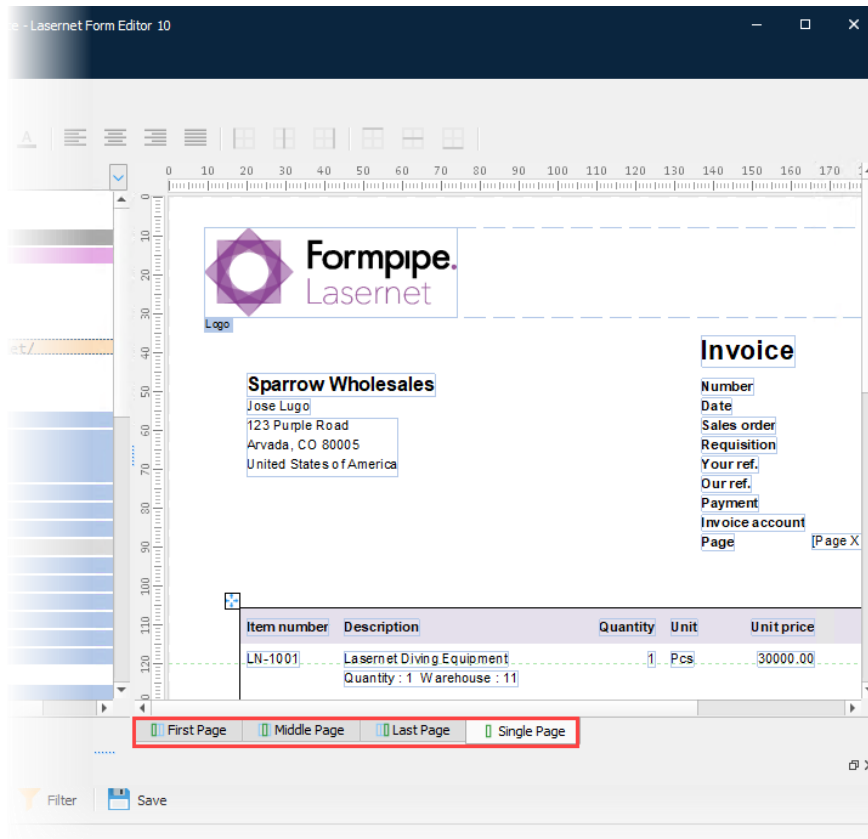
**Copies** Set Copies to control the number of printed copies.

<b>DocName</b>	DocName JobInfo is used to control the name of the print job for the Windows Print Spooler. If not set the default value is set to “Unnamed – Lasernet document”.
<b>DuplexMode</b>	Duplex printing allows the printing of a sheet of paper on both sides automatically. Examples of values are: Default, Simplex, Vertical and Horizontal.
<b>Orientation</b>	Manage the Orientation of the paper. Example of values are Portrait or Landscape.
<b>PaperHeight</b>	Defines the height of the paper form.
<b>PaperSource</b>	Selects the Paper Source in the printer. Example of values are: Auto, Tray 1, Tray 2, Upper Tray, Lower Tray.
<b>PaperWidth</b>	Defines the width of the paper form.
<b>PrintAttachment</b>	May contain a list of documents in binary representation for printing externally. It is used together with PrintAttachmentFilename and PrintAttachmentMimeType JobInfos.
<b>PrintAttachmentCopies</b>	Used to set control the number of printed copies for attached documents in the format PDF and DOCX.
<b>PrintFilename</b>	If it is not empty, it is assumed that the JobData is a PDF or Word document type which should printed separately. It is used together with PrintMimeType.
<b>PrintMimeType</b>	Contains the mime type of the file to print. It is used together with PrintFilename.
<b>WinPrintUserName</b>	Specifies the username of the print job as shown in the job list for a local printer. This can be set to just about anything.

# 10 Lasernet Form Editor.

Click **Forms** in the Tools menu.

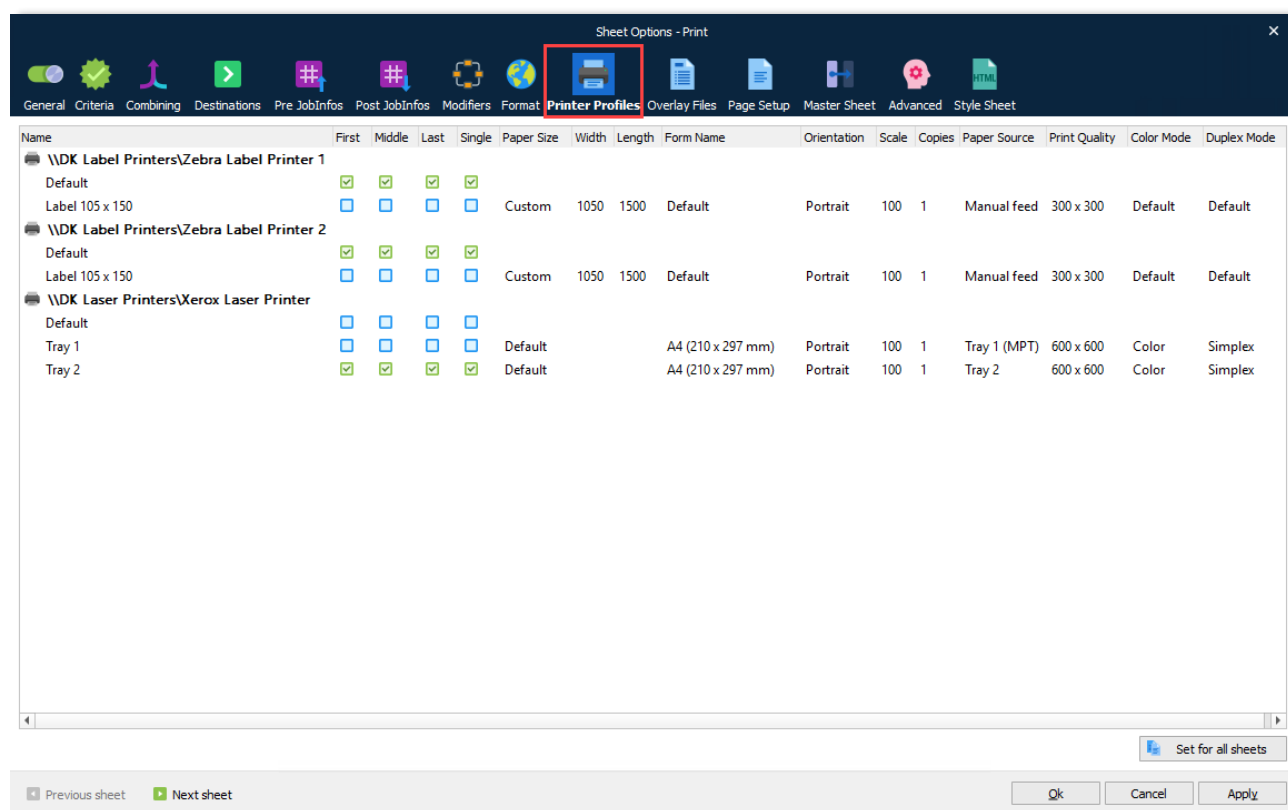
Double-click the output page tabs in the Form Editor window to display the Sheet Options dialog.



## 10.1 Sheet Options Dialog

Click the **Printer Profiles** tab to show the relevant settings.

You can select different profiles for the First, Middle, Last and Single pages by clicking the checkboxes.



### 10.1.1 Printer Profile Priority

Printer Profile settings may override the default Printer Service settings, depending on where they are configured.

This is the order of precedence, from highest to lowest:

1. Form Editor – Printer Profile selection at sheet level
2. Printer Service application – Printer Profile selection
3. Windows local printer queue – printer settings

# 11 Notes.

- Support for JobInfos in Lasernet Printer Service is the same as the Printer Output module as listed in the Lasetnet Developer manuals.
- Only local printers, installed on the Windows Printer Server, are supported by Lasetnet Printer Service 10.

## 11.1 Hierarchy

There are three hierarchy levels used to define which printer settings will take precedence for a job:

1. Printer profile in the form.
2. Selection in the Printer Service application.
3. Windows printer queue (the default settings for that printer). This will apply if no adjustments are made to settings for either 1 or 2 i.e. no printer-specific settings are adjusted.

## 11.2 Supported Formats

Supported print formats are EMF (Windows spooler format) with Printer Profiles and JobInfos.

PDF and DOCX are supported print formats but Printer Profiles and JobInfos are not supported; default settings added to the Windows Printer queues will be used instead.

## 11.3 Licensing

Lasetnet Printer Service does not require any additional licensing. Licensing is similar to the Printer Output modules based on added printer connections.

## 11.4 Printer Output

- External tools (Foxit) are no longer required for printing PDF and DOCX (EMF).
- Printer Failure Profiles are not supported by Lasetnet Printer Service 10.

## 11.5 Printer Profiles

We recommend that Printer Profiles are managed in Lasetnet Printer Service 10.

Listed profiles, managed by Printer Service, are greyed out in Lasetnet Developer 10.

In Lasetnet 9, printing is always created via the Printer Output module. Therefore, Printer Profiles are maintained in Lasetnet Developer 9 only. This functionality is available in Lasetnet Developer 10 for backwards compatibility.

Printer Profiles created in Lasernet Developer 10, via Printer Output modules, are colored and can be activated in the UI. These work in a similar way to the Printer Profiles in Lasetnet Printer Service 10 and can be activated from the interface.