

Instructions for docuFORM Global Printer Driver V3.x for Standard and Encrypted Printing in Mercury OMS

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F2F	P (Global) Output	;9
F2F	P TLS Hold Queue	'1
Sta	ndard TLS Output7	'3
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1 Introduction

The Global Printer Driver (GPD) from docuFORM enables cross-manufacturer and independent printing from Microsoft Windows applications to PostScript-enabled output systems, without the need for one or more specific printer drivers. For the user, this means costly administration of printer drivers, their updates and the use of a Microsoft print server are no longer necessary. At the same time, optimal printout on all Postscript-capable output devices is guaranteed at all times.

Encrypted printing, a PDF workflow, optional Follow "2" Print functionality as well as cross-manufacturer PIN printing are also integrated. In addition, an index server ensures network-wide distribution of print jobs as well as user-driven global cloud printing via mobile devices. The combination of these functionalities in one product represents the unique selling point of this solution worldwide.

The solution consists of three components. In addition, the Mercury OMS server is the core piece. In addition, an SNMP client is installed in the network, which collects all device information in real time, updates it at any time and enters it into the Mercury database. MSI then rolls out the docuFORM GPD as the third module at each workstation. With the installation of these three components, printing can be carried out in the user network successfully and optimally without any additional steps.



The system is maintenance-free and self-learning for the user as it adapts to the current device landscape in the network at any time and the required XML files are provided centrally and continuously updated by docuFORM.

The docuFORM Global Printer Driver always works with the Mercury Output Management Software (OMS) and can be operated either with the docuFORM Fleet & Service Management (FSM) software (right-hand image), or together with the docuFORM SNMP Capture Client software (left-hand image).



GPD installation with Mercury and SNMP Client

GPD installation with Mercury and FSM Server

Please note that the correct operation and use of all features of the GPD requires the installation of the Mercury OMS and Fleet & Service Management FSM software version associated with each GPD version. For more information, see the GPD Release History. In addition, to use some features of the GPD, you may need to purchase and license additional Mercury modules.

2 Installing the docuFORM Global Printer Driver

To install the docuFORM GPD on 32 or 64-bit Windows operating systems there are two independent installation packages available:

- GPDinst_de32.msi
- GPDinst_de64.msi

The installation packages can be installed on Microsoft Windows 7, 8, 8.1 or Windows 10 systems and are currently available in German and English.

Note: The docuFORM GPD can also be installed in virtual environments. For correct operation of the print order overview application, however, the network of the virtual

environment must be set to "bridging" or "network bridge".

To install the docuFORM GPD, the corresponding installation package must be executed. A wizard guides you through the installation of the docuFORM GPD.



By clicking the **'Next'** button, the installation wizard will proceed to the next installation step. Clicking the **'Back'** button returns to the previous installation step. Clicking the **'Cancel'** button aborts the installation.

In the next step, the licensing terms for the docuFORM GPD must be approved.

🔂 docuFORM Global Printer Driver Version 3.1.0.0 - Setup	_ 🗆 🗙			
End-User License Agreement docuF	RM			
Please read the following license agreement carefully				
Agreement	-			
ATTENTION: USE OF THE SOFTWARE IS SUBJECT TO THE docuFORM				
SOFTWARE LICENSE TERMS SET FORTH BELOW.				
USING THE SOFTWARE INDICATES YOUR ACCEPTANCE OF THESE				
LICENSE TERMS.				
IF YOU DO NOT ACCEPT THESE LICENSE TERMS, YOU MAY NOT				
DOWNLOAD OR USE THE SOFTWARE.				
I accept the terms in the License Agreement				
Print Back Next C	ancel			

Afterwards the selection of the target folder for the installation of the docuFORM GPD files takes place. An option for the standalone installation of the docuFORM GPD status monitor can also be selected here. Only the print job overview component of the docuFORM GPD will be installed.

🕼 docuFORM Global Printer Driver Version 3.1.0.0 - Setup	×
Destination Folder docuF	RN
Click Next to install to the default folder or click Change to choose another.	
Install docuFORM Global Printer Driver to:	
C:\Program Files\docuFORM\docuFORM Global Printer Driver\	
Change	
Install docuFORM GPD status monitor only.	
	_
Back Next Cancel	

The following installation step includes the configuration of the communication ports to the Fleet & Service Management Server as well as to the docuFORM Status Monitor. Page 7 of 90 01.02.2019

🙀 docuFORM Global Printer Driver Version	n 3.1.0.0 - Setup
Server connection	docuF��RM
Click on "Next" to connect to the standard f	FSM Server
FSMM Server	
Address:	XML-RPC Port:
	: 52006
docuFORM GPD status monitor Feedback Port	ts
Feedback UDP port range: 43250	- 43500
☑ Install and run docuFORM GPD status m	ionitor.
Retrieve printing rights from Active Direct	ctory
Do rights query at all NPS Servers	
do not create a generic Follow2Print printer	r 🔽
Derive printer name from net address	_
Aggreated print queues for each NPS serve	er 🔽
	Back Next Cancel

The input field 'Address' must contain the TCP / IP address or the DNS name of the Fleet & Service Management (FSM) server or - for a 'capture client only' installation the TCP / IP address or the DNS name of the Fleet & Service Management Client software. The docuFORM GPD communicates with these applications and obtains information about the printing systems available for printing from these applications. The entries for XML-RPC ports and Feedback UDP ports are already preassigned and should only be modified by experienced users.

The option 'Install and start docuFORM GPD Status Monitor' controls the installation of the GPD Status Monitor program

The option 'Determine printing rights from Active Directory' controls whether the printing rights of the respective users are to be taken over from the Active Directory.

📸 docuFORM Global Printer Driver Version 3.1.0.0 - Setu	ıp X
Server connection	docuF��RM
Click on "Next" to connect to the standard FSM Server	
- ESMM Server	
Address: XML-RPC P	ort:
172.26.0.54 : 52006	
docuFORM GPD status monitor Feedback Ports Feedback UDP port range: 43250 - 43500	
✓ Install and run docuFORM GPD status monitor.	
Do rights query at all NPS Servers	
do not create a generic Follow2Print printer	•
Derive printer name from net address	•
Aggreated print queues for each NPS server	•
Back	Next Cancel

If the checkbox "*Request permissions on all NPS servers*" is checked, all NPS servers entered into the printer database are queried for changed printer properties and authorizations. This query may take longer for remote or powered down servers. If this option is not required, leave the checkbox unchecked.

🙀 docuFORM Global Printer Driver Version	1 3.1.0.0 - Setup	
Server connection		docuF��RM
Click on "Next" to connect to the standard	FSM Server	
- FSMM Server		
Address:	XML-RPC Port:	
172.26.0.54	: 52006	
docuFORM GPD status monitor Feedback Port	ts	
Feedback UDP port range: 43250	- 43500	
☑ Install and run docuFORM GPD status m	ionitor.	
Retrieve printing rights from Active Direct	ctory	
Do rights query at all NPS Servers		
do not create a generic Follow2Print printer	r	•
Derive printer name from net address		•
Aggreated print queues for each NPS serve	er	T
,		
	Back	Next Cancel

In the **upper drop-down list** you can create a Follow2Print printer immediately after installation of the GPD. This can be done for encrypted or encrypted and unencrypted printing.

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🚽 docuFORM Global Printer Driver Version 3.1.0.0 - Setup	_ 🗆 🗙					
Server connection Click on "Next" to connect to the standard FSM Server	docuF领RM					
FSMM Server XML-RPC Port: Address: XML-RPC Port: 172.26.0.54 :						
docuFORM GPD status monitor Feedback Ports Feedback UDP port range: 43250 - 43500 Image: Image: 43250 - 43500 Image: Image: Image: 43250 - 43500 Image: Image: Image: 43250 - 43500 Image: Image: Image: Image: - 43500 Image: Image: Image: Image: - - 43500 Image: Image: Image: -						
do not create a generic Follow2Print printer do not create a generic Follow2Print printer Create a generic Follow2Print printer Create a generic Follow2Print printer Create an encrypted generic Follow2Print printer Create both an encrypted and unencrypted generic F2P printer						
Back Ne	xt Cancel					

The **middle drop-down list** allows the user to specify how the printer name of a GPD printing system, which will later be displayed in the print dialogs of the applications, should be constructed.

			docuF 💔
Click on "Next" to connect to	o the standard FSM	Server	
FSMM Server			
Address:		XML-RPC Port:	
172.26.0.54	:	52006	
docuFORM GPD status monito Feedback UDP port range:	r Feedback Ports 43250 -	43500	
Install and run docuFOR	M GPD status monit	or.	
Reviewe printing rights in	Servers	/	
Do rights query at all NPS			
Do rights query at all NPS	ow2Print printer		•
Do rights query at all NPS do not create a generic Folle Derive printer name from ne	ow2Print printer		
 Do rights query at all NPS do not create a generic Follo Derive printer name from ne Derive printer name from me Derive printer name from me Derive printer name from me 	ow2Print printer et address et address odel name taddress diocation		

The setting in the **lower drop-down list** can be used to specify whether the GPD printer to be added will be assigned a separate port to connect to the Mercury Server or, as before, to aggregate the ports per target server.

Background:

Separate connections are required if you want to accept print data from non-GPD channels via the (encrypted) print data input on the Mercury server. The (LPR) queue name of the separate ports allows the Mercury server - if set appropriately - to distinguish and correctly handle the different job types.

🖶 docuFORM Global Printer Driver Version 3.1.0.0 - Setup	
Server connection Click on "Next" to connect to the standard FSM Server	docuF∯RM
FSMM Server XML-RPC Port: Address: XML-RPC Port: 172.26.0.54 : 52006	
docuFORM GPD status monitor Feedback Ports Feedback UDP port range: 43250 - 43500	
 Install and run docuFORM GPD status monitor. Retrieve printing rights from Active Directory Do rights query at all NPS Servers 	
do not create a generic Follow2Print printer	[
Aggreated print queues for each NPS server	
Separate print queues for each NPS server Back Next	Cancel

In the next configuration dialog, preferences for new GPD printers regarding color mode, eco mode and two-sided printing and security settings can be defined. These presets are then applied in the settings of newly created GPD printers.

🙀 docuFORM Glo	bal Printer Driv	ver Version 3.1.0).0 - Setup	<u>- </u>
Presets for n	docuF🌗RM			
Click on "Next"	to save the print	ter presets		
Color mode			Plex mode	
- =	Color		O A	Simplex
			• 🔝	Duplex long edge
•	Grayscale			Duplex short edge
Eco mode		Security opti	ons	
On	On Follow2Print pr			•
prefer unencrypted print connections			nt connections	
		E	Back	Next Cancel

All required parameters for installing the docuFORM GPD are now defined and in the next installation step, clicking the **'Install'** button begins the transfer of the docuFORM GPD files.



After successful transfer of all docuFORM GPD files, a final installation screen will confirm the completion of the docuFORM GPD installation.



Three new applications are installed via the docuFORM GPD software package:

- docuFORM GPD Printer Manager
- docuFORM Global Printer Driver
- Status Monitor

3 docuFORM GPD Printer Manager

The core of the docuFORM Global Printer Driver is the Printer Manager application. With this application, the user sets up and manages their required GPD output systems.

docuFORM GPD Printer Manager-3.1.0.0-Administrator							
docuFORM GPD Printer Manager							
My printers 🔤 🛨							
PRINTER	PROPERTIES	LOCATION	DESCRIPTION				
brn30055c947f	III 🗄 📩 🖨	Mannheim\Lembacher Str. 16-18\1.0G\					
c9201	111 12 12 12 11 11 11 11 11 11 11 11 11	Mannheim\Lembacher Str. 16-18\1.0G\					
canond12341	111 题 🖹 🎗 📚 🛛	Mannheim\Lembacher Str. 16-18\1.0G\					
et0021b75b9b		Mannheim\Lembacher Str. 16-18\1.0G\					
km-c550	III 🗄 🗴 🖨 U	Mannheim\Lembacher Str. 16-18\1.0G\	Standard Output				
Microsoft XPS Document Writer	13						
vhost0180		Neu-Isenburg\Odenwaldstrasse 3\1.0G\					
vhost0182	III 🗄 🖈 🖨	Neu-Isenburg\Odenwaldstrasse 3\1.0G\					
^			li.				

The first time this application is called, it will list all Windows printing systems with their capabilities and printer ports set up on the user's system.

By selecting a listed printing system, it can be defined as the *default printer*, edited or *deleted* in the printer *Settings*.



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docuFORM GPD Printer Manager-3.1.0.0-Administrator								
Help								
My printers	Add 🕂							
PRINTER	PROPERTIES	LOCATION	DESCRIPTION S					
brn30055c947f	III 🗄 🗄 🎗 🔒	Mannheim\Lembacher Str. 16-18\1.OG\	Settings					
c9201	111 え 111 え 111	Mannheim\Lembacher Str. 16-18\1.OG\						
canond12341	₩ 🗄 🖹 🇶 🗐	Mannheim\Lembacher Str. 16-18\1.OG\						
et0021b75b9b	1 × 4 1	Mannheim\Lembacher Str. 16-18\1.OG\						
km-c550	Ш 🗄 🏃 🔒	Mannheim\Lembacher Str. 16-18\1.0G\	Standard Output					
Microsoft XPS Document Writer	83 11							
vhost0180	III 🗄 🖹 🗴 🔒	Neu-Isenburg\Odenwaldstrasse 3\1.0G\						
vhost0182	III 🗄 🗶 🖨	Neu-Isenburg\Odenwaldstrasse 3\1.0G\						
^			li li					

At the bottom of the docuFORM GPD Printer Manager window messages and notifications of the application are displayed.

By clicking on the column headers of the printer list, the listed printing systems can be sorted according to the column heading.

Selecting '*Add'* adds new GPD printing systems to the user and adds them to the available printing systems.

A convenient search dialog for printing systems is now displayed, which is fed with information from the output systems found by the docuFORM SNMP capture client on the network.

The printer search for locations here supports up to ten freely definable fields, such as city, street, building, room, etc. The site hierarchies are defined in the 'Settings' menu of the Fleet & Service Management Server software.

docuFORM GPD Printer Manager - Add							
	M GPD Printer Manager	Window close after adding the prin	nter 🔽 Reset filter 🗙				
Printer	search	Level 1 search string or select	•				
Search for e.g. name, location		Level 2 search string or select					
Search string		X Level 3 search string or select	-				
43 Searc	h results	Level 4 search string or select	-				
		* 📟 🔒 🔷	: 0				
SW BW	A4 Letter	F2P TLS					
PRINTER	PROPERTIES	LOCATION DESCRIPTION	MODEL				
📑 bhc33	III 🗄 📩	Karlsruhe\Händelstr. 11\Haus 11 EG\					
🚔 brn30	III 🗄 🏂 🖬	Mannheim\Lembacher Str. 16-18\	Brother MFC-L				
e9201		Mannheim\Lembacher Str. 16-18\	Samsung CLX				
canonc	ى 🗎 🗎 🕻	Mannheim\Lembacher Str. 16-18\1.O	Canon iR-ADV C				
canon	Ш 🗄 🗦 🎗 🏶 🛙	Mannheim\Lembacher Str. 16-18\	Canon iR-ADV				
clx626	ى 🗄 🗄 📶	Karlsruhe\Händelstr. 11\Haus 11 EG\	Samsung CLX-6				
- 0			7/2				

Here, printing systems to be set up as new GPD printers for the user can be selected and found according to required characteristics such as duplex printers, color printers, Follow2Print printers, encrypted printing, etc. or according to the desired finishing options or paper options. By selecting and clicking the required property finishing or paper options buttons, the printing systems shown in the result list of this dialog are automatically updated.



For properties selected for the printer search, descriptions in text form appear below the buttons. When hovering the buttons with the mouse pointer, help text about the function of the buttons is displayed.

Furthermore, printing systems can also be searched for your locations or your host name or printer addresses. Clicking the input fields 'City', 'Street' etc. displays a list of available locations for the selected input field. Alternatively, a location name can also be entered in the input field. For a free text search for printing systems the left input field is used.

docuFORM GPD Pri	nter Manager - Add 📃 🗖 🗙
docuFORM GPD Printer Manager	Window close after adding the printer 🔽 Reset filter 🗙
Printer search	Level 1 search string or select
Search for e.g. name, location	Level 2 search string or select
Search string X	Level 3 search string or select
37 Search results	Level 4 search string or select
BW Letter	▶ III

The results area of the printer search lists the printing systems that meet the search criteria. The functions of the individual printing systems are represented by icons in the column 'Functions'.



If you hover the mouse pointer over the icons, help text is displayed explaining the respective function of the printing system.



The output system to be set up as a new GPD printing system must be selected in the result list.



Clicking on the 'Add' button stops the setup of a new GPD printer and closes the printer search dialog.

The docuFORM GPD printer manager lists GPD printers with a "globe" symbol.



Printers for which the Follow2Print option has been set up are marked with a "human" Page 16 of 90 01.02.2019 symbol.



If you select a GPD printer system and click the '**Settings'** option, the GPD printer driver options can be configured.

Clicking the button is refreshes the printer list display.

Clicking the **'Help'** button displays the information screen of the docuFORM GPD. Information about the version of the software, the logged-in user, the responsible Fleet & Service Management (configuration) server or client and the responsible Mercury OMS server etc. is displayed here. The docuFORM Global Printer Driver communicates with both applications. From the Fleet & Service Management server or client, the GPD receives information about the available output systems and their options. The print data generated by the GPD is transferred to the Mercury OMS server for editing and output to the desired printing systems.

docuFORM	GPD Printer Manager						
docuFORM GPD Printer Manager							
Help & Support							
Hotline Support:	+49 (621) 32 88 58-0						
To better assist you, please provide	the following information :						
Version :	3.1.0.0						
User :	Administrator						
Allocated configuration server :	could be an enclosed as						
Allocated Mercury server :	Ing/CF/B Analogalows (B)						
Database version :	100						
Database timestamp :	1/24/2019 1:15:08 AM						
More Info :	6.3.9600.0(64),√,√,√						

4 docuFORM GDP Printer Driver

The docuFORM GPD printer driver is a Microsoft Windows based printer driver for GPD printing systems that generates generic postscript print data. These generic postscript print data are forwarded from the docuFORM GPD printer driver to the Mercury OMS software and supplemented by the Mercury OMS software with the specific postscript code of the selected output system. This ensures that every output system configured as a GPD printing system is always fed with print data generated exactly for this system. This procedure is also used for Follow2Print printing. Again, the print data stream is processed after authentication of the user on the output device with the required postscript code for this output device.

The docuFORM GPD printer driver provides several configuration dialogs for selecting the required output options.

brn30055c947f50 Printing Preferences								
Security options	Basic options Paper	Quality Finishing	PDF Options	Advanced				
 Security of 	ptions							
	Direct printing Follow2Print							
	OPIN secured printing	Enter PIN: (4 digits r User ID: C Log in name Enter custom User Administrator	numerical value) ser ID:					
		Confirm PIN bef	ore printing Cancel	Apply				

The tab 'Security Settings' is used to define the required output format of the print data. In addition to direct printing, the Follow2Print procedure and securing the printing

process by entering a PIN are also available here. The docuFORM Global Printer Driver automatically recognizes which printing systems support the PIN printing process.

brn30055c947f50 Printing Preferences						
Security options Basic options Paper Quality Finishing PDF Options Advanced						
2-Sided printing I-Sided 2-Sided long-edge binding 2-Sided short-edge binding						
Layout Pages per Sheet: 1 ✓						
Orientation:						
Ordrait OLandscape Rotated Landscape						
Copies						
Number: 1						
TP Collate: Yes ✓						
OK Cancel Apply						

brn30055c947f50 Printing Preferences
Security options Basic options Paper Quality Finishing PDF Options Advanced
Color mode
Color Grayscale
- Resolution
Printer default V
Economy mode
Off Y
OK Cancel Apply

🖶 brn30055c947f50 Printing Preferences						
Security options Basic options F	Paper Quality Finishing PDF Options Ad	vanced				
Input options						
0						
Unginal size:	K Letter 8 1/2 x 11 in	~				
Destination size:	Etter 8 1/2 x 11 in	^				
	Etter Small 8 1/2 x 11 in					
Additional scaling factor	🛐 Tabloid 11 x 17 in					
using the same destination s	Eedger 17x 11 in					
	Kegal 8 1/2 x 14 in					
Paper tray:	K Statement 5 1/2 x 8 1/2 in	=				
	Executive / 1/4 x 10 1/2 in					
Paper type:	E B4 (JIS) 250 x 354					
	E B5 (JIS) 182 x 257 mm					
	E Folio 8 1/2 x 13 in					
	Cuarto 215 x 2/5 mm					
	E Nata 9.1/2 x 11 in					
	E Envelope #9.2.7/9 x 9.7/9					
	Envelope #10.4.1/9 x 9.1/2					
	Envelope #11 4 1/2 x 10 3/8					
	El Envelope #12.4.1/2 x 10.3/6					
	Envelope #12 5 x 11 1/2					
L	S C size sheet					
	D size sheet	Apply				
	S E size sheet					
docuFORM Generic P	Envelope DL 110 x 220 mm					
Printer	Envelope C5 162 x 229 mm					
	Envelope C3 324 x 458 mm					
	Envelope C4 229 x 324 mm					
	Envelope C6 114 x 162 mm					
	戻 Envelope C65 114 x 229 mm					
	💦 Envelope B4 250 x 353 mm					
	🛐 Envelope B5 176 x 250 mm	\sim				

Additional configuration dialogs can be used to set up print options, format, color and paper options, as well as finishing for output on the GPD printing system. In this case, the GPD displays in the paper selection list an icon indicating the currently inserted paper sizes. Printable paper sizes that are currently not inserted in the printing system are indicated by an icon in the paper selection list, but can still be selected - e.g. for PDF creation.

The tab '*Finishing*' can be used, among other things, to set the stapling options at different sheet positions.

ound optione	Basic options	Paper	Quality	Finishing	PDF Options	Advanced
Output optio	ns					
Finishing m	iodule:	Printer	default		~	
Output des	tination:	Printer	default		~	
Request Set	t Offset					
No offset		~				
Staple						
No staple		~				
No staple No staple		~				
No staple No staple Default sta	ple	•				
No staple No staple Default sta Comer stap	ple ple portrait					
No staple No staple Default sta Comer stap Comer stap	ple ple portrait ple landscape	~				
No staple No staple Default sta Comer stap Double sta	ple ple portrait ple landscape ple	•				
No staple Default sta Comer stap Comer stap Double sta Saddle Stit	ple ole portrait ole landscape iple sching	•				
No staple No staple Default sta Comer stap Double sta Saddle Stit Fold	ple ole portrait ole landscape ple sching					
No staple No staple Default sta Comer stap Double sta Saddle Stit Fold	ple ole portrait ole landscape ple sching	▼				
No staple No staple Default sta Comer stap Double sta Saddle Stit Fold	ple ole portrait ole landscape ple tching	▼ ▼				

In the configuration tab **'PDF Options'**, the settings required for the docuFORM GPD PDF Workflow can be defined.

acanond12341 Printing Preferences	acanond12341 Printing Preferences
Security options Basic options Paper Quality Finishing PDF Options Advanced	Security options Basic options Paper Quality Finishing PDF Options Advanced
Output options Printing only (no PDF generation)	Output options Printing only (no PDF generation) Printing only (no PDF generation) PDF only
Enter E-Mail adress for PDF emailing	Proting and PDF Errer E-treat acress for PUP emaing
PDF settings PDF Guality settings Default v Generate PDF/A-1b compatible PDF document	PDF settings PDF Quality settings Default Generate PDF/A-1b compatible PDF document
OK Cancel Apply	OK Cancel Apply

In 'Output Options', selected whether the documents created with the docuFORM GPD should only be printed, whether only PDF files of these documents should be generated, or whether both printed and PDF documents should be output. The PDF documents are generated by the Mercury OMS software and sent to the user by email. To do this, the recipient address of the PDF documents must be entered in the input field 'Email address for PDF sending'. In the area 'PDF Settings' options for Page 20 of 90 01.02.2019

generating PDF documents can be selected.

To use the docuFORM GPD PDF workflow, the required logical print paths must be set up in the Mercury OMS software. Instructions can be found in this document.

5 docuFORM GPD Status Monitor

A special icon for the docuFORM Global Printer Driver is installed in the tray area of the user system.



Right clicking this icon opens a menu which displays either the print job overview or the docuFORM GPD Printer Manager.



The print job overview is an application that displays all print jobs that are pending and already printed by the user. The entries can be sorted by clicking the column headers.

Clicking the button is refreshes the printer list display.

Job Overview-3.1.0.0-Administrator							
docuFORM GPD Status Monitor							
My jobs (2)						
NAME	STATUS	TYPE	PAGES	SIZE	DATE	PRINTER	LOCATION S
New Bitmap Image	Waiting	Å	1	36,841	1/24/2019 2:51:35		
New Text Document - Notepad	Waiting	Å	1	92,614	1/24/2019 2:50:57		
^							

Jobs that are already printed will still be displayed in the print order overview for 48 hours after successful printout. This allows the user to see which print jobs they printed

recently. By selecting a print job and clicking the button 🔀 , a print job that has not yet been printed can also be deleted.

New Bit Image	nap 🚺 Waiting	ž	1	36,841	1/24/2019 2:51:35	×
New Te Docume Notepa	: nt - 🚺 Waiting	Å	1	92,614	1/24/2019 2:50:57	Remove job

6 Printing with the docuFORM Global Printer Driver

Printing documents with the docuFORM Global Printer Driver is no different from the familiar print workflow of a Windows application.

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	Outrophysical and the set of the se	er ot
docuF 🕄 RM - Global Printer (GPD Configuration Windows Applications	Hoch/Guerf Hoch/Guerf Hoch/Guerf Hoch/Guerf Guerformat Guerformat Seite einichten OK Cancel Von 89 Kercury MPS (Master) Master)	

The user selects the desired GPD printer in the 'Print' dialog of the application and can then, as usual, configure the options of the GPD printer required for the printout by opening the 'Properties' dialog.

The Postscript print data generated by the docuFORM GPD is then transferred to the responsible Mercury OMS server, where it is prepared for output to the desired target printing system and then sent to this system for printing.

7 GPD Configuration within the FSM Client

For a GPD workflow with Mercury OMS Server and FSM capture client only, the following configuration steps must be performed within the FSM Client software.

In addition to the configuration options for searching for printing systems on the network in the menu 'Search Printers' of the FSM Client Software, the 'Data Transfer' menu must also be set to 'Activate docuFORM GPD Support'. If the FSM client software is to serve exclusively as the data provider for a GPD system, deactivate the option 'Enable data transfer to FSM server'.

Since the docuFORM Global Printer Driver PostScript generates print data, only PostScript-capable printing systems are suitable for printing documents generated by the GPD. The FSM Client software automatically detects if a printing system is suitable for printing PostScript documents and displays these printing systems in the FSM Client Software's Printer menu with an icon in front of the printer entry. Only PostScript-enabled printing systems are sent from the FSM client software to the GPD for selection by the user.

locu FORM:				Printer	r		
Printer System Sourch Printers							Export
Transfer Printer Data Manage PMD Files		٢	Printer	Serial	MAC	Acquired on	PMD File
Network Settings Database		*	172.16.1.108 KONICA MINOLTA bizhub C3350	A4Y4021010180	00206BE1658E	01/24/2019 15:22:39	KONICA MINOLTA bizhub C3350 5.8
Settings Help		*	172.16.1.110 TASKalfa 250ci 129 v1	QJK0621258	00C0EE4CD4AE	01/24/2019 15:22:35	Kyocera TASKalfa 250ci 5.6
Logout		*	172.16.1.111 Samsung CLX-6260 Series	Z77ABJED9000N8N	0015990D57E4	01/24/2019 15:22:29	Samsung CLX-6260 Series 5.2
		*	172.16.1.113 HP Color LaserJet FlowMFP M577 IS v1	JPBVJDL02P	C8D3FFB0BE47	01/24/2019 15:22:24	HP Color LaserJet FlowMFP M577 6.1
		*	172.16.1.116 HP Color LaserJet MFP E77822 129 v1	CNB8KBS0FR	F430B9F5D2FC	01/24/2019 15:22:26	HP Color LaserJet MFP E77822 6.1
	Printers	total: 5	5 - confirmed: 0			·	
	Monit	oring	✓ Follow2Print ✓ Secure Print	v	Hel	p	Delete Acquire data

If the Follow2Print process is also used within the GPD workflow of a user, the user within the FSM client software must select which output systems should participate in the Follow2Print process.

To do this, they check the box for the required printing system and activate Follow2Print for this system.

+ > E http://localhost:52005/printers.php	アー・C Fleet & Servicemanagement ×							
locu F©RM		Printer						
Printer System Scorch Drinters							Export	
Transfer Printer Data Manage PMD Files		٢	Printer	Serial	MAC	Acquired on	PMD File	
Network Settings Database	V	*	172.16.1.108 KONICA MINOLTA bizhub C3350	A4Y4021010180	00206BE1658E	01/24/2019 15:22:39	KONICA MINOLTA bizhub C3350 5.8	
 Settings Help 		*	172.16.1.110 TASKalfa 250ci	QJK0621258	00C0EE4CD4AE	01/24/2019 15:22:35	Kyocera TASKalfa 250ci 5.6	
Logout		*	172.16.1.111 Samsung CLX-6260 Series	Z77ABJED9000N8N	0015990D57E4	01/24/2019 15:22:29	Samsung CLX-6260 Series 5.2	
		*	172.16.1.113 HP Color LaserJet FlowMFP M577	JPBVJDL02P	C8D3FFB0BE47	01/24/2019 15:22:24	HP Color LaserJet FlowMFP M577 6.1	
		۲	172.16.1.116 HP Color LaserJet MFP E77822 PS v1	CNB8KBS0FR	F430B9F5D2FC	01/24/2019 15:22:26	HP Color LaserJet MFP E77822 6.1	
	Printers	total: 5	5 - confirmed: 0					
	Monit	oring	▼ Follow2Print ▼ Secure Pr	int 🔻	He	p	Delete Acquire data	
			Activate Deactivate					

Output systems selected for the Follow2Print procedure are marked with an icon ¹/₂ in the printer list of the FSM Client software.

tem						Export
Search Printers Transfer Printer Data	٢	Printer	Serial	MAC	Acquired on	PMD File
Network Settings Database	*	172.16.1.108 KONICA MINOLTA bizhub C3350	A4Y4021010180	00206BE1658E	01/24/2019 15:23:07	KONICA MINOLTA bizhub C3350 5.8
Settings Ip	*	172.16.1.110 TASKalfa 250ci 197 🗼 v1	QJK0621258	00C0EE4CD4AE	01/24/2019 15:23:04	Kyocera TASKalfa 250ci 5.6
gout	*	172.16.1.111 Samsung CLX-6260 Series 양 및 v1	Z77ABJED9000N8N	0015990D57E4	01/24/2019 15:22:29	Samsung CLX-6260 Series 5.2
	*	172.16.1.113 HP Color LaserJet FlowMFP M577 양 및 v1	JPBVJDL02P	C8D3FFB0BE47	01/24/2019 15:22:24	HP Color LaserJet FlowMFP M577 6.1
	*	172.16.1.116 HP Color LaserJet MFP E77822	CNB8KBS0FR	F430B9F5D2FC	01/24/2019 15:22:26	HP Color LaserJet MFP E77822 6.1
	*	172.16.1.116 HP Color LaserJet MFP E77822 I 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CNB8KBS0FR	F430B9F5D2FC	01/24/2019 15:22:26	HP Color LaserJet MFP E7 6.1

If secure printing is also used within the user's GPD workflow, the user must define the corresponding output systems within the FSM client software.

To do this, they check the box for the required printing system and activate secure print for this system.

Printer							
/stem							/ Export (Emport
Jearch Philters Transfer Drinter Data	~	ô	Printer	Serial	MAC	Acquired on	PMD File
Manago DMD Eilos			1	6	Ð		
Network Settings		۲	172.16.1.108 KONICA MINOLTA bizhub C3350	A4Y4021010180	00206BE1658E	01/24/2019 15:23:07	KONICA MINOLTA bizhub C3350 5.8
) Database			🖅 🏃 v1				
 Settings 		*	172.16.1.110 TASKalfa 250ci	QJK0621258	00C0EE4CD4AE	01/24/2019 15:23:04	Kyocera TASKalfa 250ci 5.6
Logout	V	۷	172.16.1.111 Samsung CLX-6260 Series	Z77ABJED9000N8N	0015990D57E4	01/24/2019 15:22:29	Samsung CLX-6260 Series 5.2
		*	172.16.1.113 HP Color LaserJet FlowMFP M577 양 및 v1	JPBVJDL02P	C8D3FFB0BE47	01/24/2019 15:22:24	HP Color LaserJet FlowMFP M577 6.1
	V	*	172.16.1.116 HP Color LaserJet MFP E77822	CNB8KBS0FR	F430B9F5D2FC	01/24/2019 15:22:26	HP Color LaserJet MFP E77822 6.1
	Printers	total: 5	confirmed: 0 Follow2Print Secure Pr Activate Deactivate	nt •	Hel	p	Delete Acquire data

The "Secure Print" process is marked with an icon [©] on the output system in the printer list of the FSM Client Software.

stem						Export
Search Printers Transfer Printer Data Manage DMD Files	٥	Printer	Serial	MAC	Acquired on	PMD File
Network Settings Database	*	172.16.1.108 KONICA MINOLTA bizhub C3350 197 え 응 v1	A4Y4021010180	00206BE1658E	01/24/2019 15:23:07	KONICA MINOLTA bizhub C3350 5.8
 Settings 	*	172.16.1.110 TASKalfa 250ci 157 옷 양 v1	QJK0621258	00C0EE4CD4AE	01/24/2019 15:23:04	Kyocera TASKalfa 250ci 5.6
ogout	*	172.16.1.111 Samsung CLX-6260 Series [12] 옷 ও v1	Z77ABJED9000N	BN 0015990D57E4	01/24/2019 15:22:29	Samsung CLX-6260 Series 5.2
	*	172.16.1.113 HP Color LaserJet FlowMFP M577 157 옷 승 v1	JPBVJDL02P	C8D3FFB0BE47	01/24/2019 15:22:24	HP Color LaserJet FlowMFP M577 6.1
	*	172.16.1.116 HP Color LaserJet MFP E77822 [12] 옷 영 v1	CNB8KBS0FR	F430B9F5D2FC	01/24/2019 15:22:26	HP Color LaserJet MFP E77822 6.1

8 GPD Configuration in Mercury OMS

Installing and configuring Mercury OMS requires basic knowledge of the software.

To operate a GPD workflow, the parameters for Mercury OMS to communicate with the Fleet & Service Management software must first be entered in the Mercury OMS software configuration.

To do this, from the Mercury Windows client '**Setup'** menu, open the Mercury Server configuration options by clicking the '**Server'** menu item, then switch to the tab '**FSM** Server'.

Server Options	×
General Security Logging E-Mail Notification Advanced FSM Server Accounting	
FSM / Accounting Server Server IP address System password System password Connect timeout 15 sec Idle timeout 50 sec Communication timeout 15 sec Transfer Settings Send fleet management statistics to FSM server ☑ Retrieve printers from FSM server ☑ Use as printer pool for distributed Mercury servers Get printers now ☐ Transfer user information to FSM server Customer / Dealer	
Data transmission password ********	
Mercury Server ID NPS-0616E822445B	
OK Cancel	

The input field 'Server IP address' must contain the TCP / IP address or the DNS host name of the Fleet & Service Management Server or - for a capture client only workflow - the FSM Client Software. In the input field 'System password' the password of the administrator account (superadmin) of the Fleet & Service Management software must

be entered.

For the 'Transfer Settings' options, the 'Retrieve printers from FSM server' option must be activated and entered in the input field of the account name of the required dealer or customer, for which the information about printing systems should flow into the GPD workflow. If all printing systems of all dealers and customers are to be considered in the GPD workflow, the administrator account (superadmin) must be entered here.

In the input field **'Data transmission password'**, the password assigned within the FSM software must be stored for data encryption of the account holder entered under **'Customer / Dealer'**. If no special passwords have been assigned here in the FSM software, the default password 'superadmin' must be entered here.

To identify the Mercury server, the *'Mercury Server ID'* entry box must have a unique Mercury server name configured. Clicking the *'Get printers now'* button starts the initial transfer of printer information from the FSM server to the Mercury OMS server.

Workflow with Local and Mercury-wide Follow2Print for Secure and Unsecure Printing

9.1 Requirements

For standard GPD operation with secure and unsecure transmission, the following requirements apply:

- 1. Mercury Installation with empty print process configuration
- 2. Fleet & Service Management Installation
- 3. Valid certificate for TLS connections (ipps / https)
- 4. Ghostscript Version 9.21 may differ and should be requested from support.
- 5. Optional: Mercury Index Server for workflows with more than one Mercury OMS

9.2 Setup

Operating a Mercury OMS server to receive and process GPD print data for direct printing, PDF document generation, and local and global Follow2Print processing, secured and unsecured, requires the setup of a print process with a total of thirteen logical printers.

Depending on the desired workflow, the required logical printers, including input interfaces, emulations and filters, as well as required output interfaces must be set up according to the following descriptions.

4 Carlinger of Drink Deserver CDD Televent			V					
Drink Dressee Edit View			<u> </u>					
Finit Process Curt View								
🗅 Input Interfaces 🔁 Emulations and Fitters 🖸 Output Interfaces 123 Logical Printers								
Input Interface	Condition	Emulation	Output Interface					
2 - C:\MSPOOL\PDF_INPUT* [PDF Input (File)]	none	4 - PDF Conversion (Postscript Processor)	4 - Email TLS Output (SMTP) - mailsrv.company.net:465 (<email> [</email>					
5 - Port 9500 [From remote Mercury (TCP/IP,PJL)]	none	1 - Print from remote Mercury (Raw to Raw)	8 - F2P (Global) Output (GPD Mapper) - Destination delivered by pr					
1 - Port 9100 [GPD Input (GPD)]	GPD: PDF by email	4 - PDF Conversion (Postscript Processor)	4 - Email TLS Output (SMTP) - mailsrv.company.net:465 (<email> [</email>					
1 - Port 9100 [GPD Input (GPD)]	GPD: Follow2Print + PDF by email	6 - Normal + PDF Print (Postscript Processor)	2 - F2P Hold-Queue (GPD Mapper) - ?:9100					
1 - Port 9100 [GPD Input (GPD)]	GPD: Follow2Print	5 - Normal Print (Postscript Processor)	2 - F2P Hold-Queue (GPD Mapper) - ?:9100					
1 - Port 9100 [GPD Input (GPD)]	GPD: Normal print + PDF by email	6 - Normal + PDF Print (Postscript Processor)	1 - Standard Output (GPD Mapper) - Destination delivered by pro					
1 - Port 9100 [GPD Input (GPD)]	GPD: Normal print	5 - Normal Print (Postscript Processor)	1 - Standard Output (GPD Mapper) - Destination delivered b					
4 - Port 632 [TLS from remote Mercury (IPP [Server])]	none	1 - Print from remote Mercury (Raw to Raw)	7 - F2P (Global) TLS Output (GPD Mapper [IPP]) - Destination delv					
3 - Port 631 [GPD TLS Input (GPD [IPP])]	GPD: PDF by email	4 - PDF Conversion (Postscript Processor)	4 - Email TLS Output (SMTP) - mailsrv.company.net:465 (<email> [</email>					
3 - Port 631 [GPD TLS Input (GPD [IPP])]	GPD: Follow2Print + PDF by email	6 - Normal + PDF Print (Postscript Processor)	6 - F2P TLS Hold-Queue (GPD Mapper [IPP]) - :632					
3 - Port 631 [GPD TLS Input (GPD [IPP])]	GPD: Follow2Print	5 - Normal Print (Postscript Processor)	6 - F2P TLS Hold-Queue (GPD Mapper [IPP]) - :632					
3 - Port 631 [GPD TLS Input (GPD [IPP])]	GPD: Normal print + PDF by email	6 - Normal + PDF Print (Postscript Processor)	5 - Standard TLS Output (GPD Mapper [IPP]) - Destination delivere					
3 - Port 631 [GPD TLS Input (GPD [IPP])]	GPD: Normal print	5 - Normal Print (Postscript Processor)	5 - Standard TLS Output (GPD Mapper [IPP]) - Destination delivere					

Specifically, the 13 configured logical printers include the following processing paths (order as shown in the above image):

- 1. Encrypted logical printer for generating PDF documents for all configurations in which both printouts and PDF documents are to be created.
- 2. Follow2Print processing of print data from a remote Mercury OMS server.
- 3. Local processing of Global Printer Driver print data from which only one PDF document is to be created.
- 4. Follow2Print processing and PDF generation of Global Printer Driver print data.
- 5. Follow2Print processing without PDF generation of Global Printer Driver print data.
- 6. Direct processing and PDF generation of Global Printer Driver print data.
- Local direct processing without PDF generation of Global Printer Driver print data. This logical printer is labeled as a 'default' processing path that is used whenever the print data cannot be assigned to any of the other defined logical printers.
- 8. Encrypted Follow2Print processing of print data from a remote Mercury OMS server.
- 9. Encrypted local processing of Global Printer Driver print data from which only one PDF document is to be created.
- 10. Encrypted Follow2Print processing and PDF generation of Global Printer Driver print data.
- 11. Encrypted Follow2Print processing without PDF generation of Global Printer Driver print data.
- 12. Encrypted direct processing and PDF generation of Global Printer Driver print data.
- 13. Encrypted local direct processing without PDF generation of Global Printer Driver print data.

The basic configuration of the 13 required Mercury logical printers is the same for all Mercury OMS servers and differs only slightly, for example in the configuration of the mail server's access data in the SMTP output interface for sending Mercury-created PDF documents.

The setup of the necessary Mercury Input Interfaces, emulations, filters, Output Interfaces and the configuration of the resulting 13 logical printers is depicted here as screenshots of the above configuration.

For operation of only one Mercury, the remote or global Input and Output Interfaces are not required and can be omitted, in this case the 13 logical printers are reduced to nine.

On request, a preconfigured Mercury.ini configuration file can be provided which can be imported, meaning only the settings for SMTP and directories need to be modified.

9.3 Setting up the Mercury Input Interfaces

For the Mercury Cross Follow2Print and PDF Workflow, five Mercury input interfaces are required.



PDF Input

For PDF documents to be created, a file input interface must be created.

Eigensc	haften von File (Input)
File	Settings Sessions Data Data Type Data Capturing
	Filename: C:\MSPOOL\PDF_INPUT*

Bla	Settings Sessions Data Data Time Data Casturing
File	Settings Sessions Data Data Type Data Capturing
	Description: PDF Input
	Buffer
	Read block size: 32 KB
	Direct read: 🔽

Eigenschaften von File (Input)	Pigenschaften von File (Input) Pix
File Settings Sessions Data Data Type Data Capturing	File Settings Sessions Data Data Type Data Capturing
Maximum # of input sessions: Maximum # of pending jobs: Session timeout: sec Job timeout: sec Look for session every 1000 msec	 Decompress and decrypt data automatically Password: Use job information within data stream (when receiving data from a Mercury output port or XML)
OK Abbrechen Übernehmen Hilfe	fe OK Abbrechen Übernehmen Hilfe

Eigenschaften von File (Input)	Eigenschaften von File (Input)
File Settings Sessions Data Data Type Data Capturing	File Settings Sessions Data Data Type Data Capturing
Input data type recognition Active Always assume data type: ESC/P Auto detectable data types: IGP IPDS PCL5 PCL5 PCL6 PDF Postscript Prescribe IPDF IPDS IPDF IPDS IPDF IPDF IPDF IPOF IPOF IPOF IPOF IPOF IPOF IPOF IPO	Data capturing ▲ Active Without protocol data With protocol data 99
OK Abbrechen Übernehmen Hilfe	OK Abbrechen Übernehmen Hilfe

GPD TLS Input

Furthermore, a GPD input interface is required for receiving the encrypted print data of the Global Printer Driver.

Eigenschaften	von GPD [IPP] (Ir	iput)	? ×	Eigenschaften	von GPD [IPP] (In	put)	? ×
Data IPP	Data Type TLS/SSL	Data Capturing Pro	otocol sions	Data Data	Data Type TLS/SSL	Data Capturing Settings	Protocol Sessions
L Au Mercu Job mon V Windows V IPv6 sup Generati	ocal address: TCP port: 631 AirPrint: Off uthentication: Off Printer name: iry hostname: itoring s printer oport se GPD information			Coverwrit Se	e global settings rver certificate: te self signed certifica PFX password:	ate	
(OK Abbrec	nen Übernehmen	Hilfe	(OK Abbrech	Dernehmen	Hilfe

Eigenschaften von GPD [IPP] (Input)	<u>? ×</u>	Eigenschaften von GPD [IPP] (Input)	? ×
Data Data Type Data	a Capturing Protocol Settings Sessions	Data Data Type Data Capturing IPP TLS/SSL Settings	Protocol Sessions
Description: GPD TLS Input Buffer Read block size Direct read	: 32 KB : ♥	Maximum # of input sessions: 10 Maximum # of pending jobs: 10 Session timeout: sec Job timeout: sec	
OK Abbrechen	Übernehmen Hilfe	OK Abbrechen Übernehmen	Hilfe

enschafter	n von GPD [IPP] (I	input)	? ×	Eigenschaften	von GPD [IPP] (I	(nput)	? :
IPP Data	TLS/SSL Data Type	Settings Data Capturing	Sessions Protocol	IPP Data	TLS/SSL Data Type	Settings Data Capturing	Sessions Protocol
	Decompress and decr Password: Use job information v (when receiving data	r ypt data automatically vithin data stream i from a Mercury outpu	, t port or XML)	Input data	type recognition ays assume data ty C/P b detectable data to IGP IPDS PCL5 PCL6 PDF Postscript Prescribe	/pe: ypes:	
	OK Abbred	chen Übernehmen	Hilfe	(OK Abbred	chen Übernehmen	Hilfe

Eigenschaften von GPD [IPP] (In	put) ?	× Eigenschaft	en von GPD [IPP] (In	iput)	<u>? ×</u>
IPP TLS/SSL Data Data Type	Settings Sessions Data Capturing Protocol	IPP Data	TLS/SSL Data Type	Settings Data Capturing	Sessions Protocol
Data capturing Active Without protocol data With protocol data 99 Maximum files to c 720 Maximum hours to keep Add job name to captured	apture Maximum size (MB)		lone>	Config	jure,,,
OK Abbrech	en Übernehmen Hilfe		OK Abbrech	Übernehmen	Hilfe

TLS from remote Mercury

The third input interface requires encrypted input from another Mercury or Mercury index server.

Eigenschaften von IPP [Server] (Input)	Eigenschaften von IPP [Server] (Input)		
Data Data Type Data Capturing Protocol IPP TLS/SSL Settings Sessions	Data Data Type Data Capturing Protocol IPP TLS/SSL Settings Sessions		
Local address: TCP port: 632 🚖 AirPrint: Off 💌 Authentication: Off 💌 Printer name:	Overwrite global settings Server certificate: Generate self signed certificate PFX password:		
Mercury hostname:			
OK Abbrechen Übernehmen Hilfe	OK Abbrechen Übernehmen Hilfe		
Eigenschaften von IPP [Server] (Input)	<u>? ×</u>	Eigenschaften von IPP [Server] (Input)	<u>? ×</u>
---	------------	---	------------
Data Data Type Data Capturing P	rotocol	Data Data Type Data Capturing F	Protocol
IPP TLS/SSL Settings Ses Description: TLS from remote Mercury Buffer Read block size: 32 KB Direct read: V	sions	IPP TLS/SSL Settings Settings Maximum # of input sessions: 10 Maximum # of pending jobs: 10 Session timeout: sec Job timeout: sec	ssions
OK Abbrechen Übernehmen	Hilfe	OK Abbrechen Übernehmen	Hilfe

Eigenschaften von IPP [Server] (Input)	Pigenschaften von IPP [Server] (Input) ? ×
IPP TLS/SSL Settings Sess Data Data Type Data Capturing Pro	isions IPP TLS/SSL Settings Sessions Data Data Type Data Capturing Protocol Input data type recognition
 Decompress and decrypt data automatically Password: Use job information within data stream (when receiving data from a Mercury output port or 	Active Always assume data type: ESC/P Auto detectable data types: IGP IPDS PCL5 PCL6 PDF Postscript Prescribe
OK Abbrechen Übernehmen	Hilfe OK Abbrechen Übernehmen Hilfe

Eigenschaften	von IPP [Server] (Input)	?×	Eigenschaft	en von IPP [Server] (Input)	<u>?×</u>
IPP Data	TLS/SSL Data Type	Settings Data Capturing	Sessions Protocol	IPP Data	TLS/SSL Data Type	Settings Data Capturing	Sessions Protocol
Data captu Active © W/ © W/ 99 720 M Add	ithout protocol data ith protocol data Maximum files to Maximum hours to keep job name to captur	a o capture 0 c f ed filename	Aaximum size MB)		one>	Cont	figure
	OK Abbre	chen Übernehmer	Hilfe		OK Abbre	chen Übernehmen	Hilfe

GPD Input

Furthermore, a GPD input interface is required for the receipt of the unencrypted print data of the Global Printer Driver.

Eigenschaften von G	PD (Input)		?	Eigenschaften von (GPD (Input)			? ×
Data Type TCP/IP	Data Ca Settings	apturing Sessions	Protocol Data	Data Type TCP/IP	Data (Settings	Capturing Sessions	Protocol Data	
Addresses	ddress: CP-Port: 910	0		Description:	GPD Input Read blog Direc	t size: 32 K	B	
ОК	Abbrecher	n Übernehme	en Hilfe	ОК	Abbrech	en Übernehm	en Hilfe	

Eigenschaften von Gl	PD (Input)	<u>?</u> ×	Eigenscha	iften von Gl	PD (Input)		<u>? ×</u>
Data Type	Data Capturing	Protocol I	Dat	a Type	Data C	apturing Í	Protocol
TCP/IP	Settings Sessions	Data	TCP	/IP	Settings	Sessions	Data
Maximum Maximur	a # of input sessions: m # of pending jobs: Session timeout: sec Job timeout: sec Persistent job	:		Decompre Password Use job it (when re	ess and decrypt d: nformation with ceiving data fro	in data automatica in data stream m a Mercury out	ally
OK	Abbrechen Übernehmer	Hilfe	[OK	Abbrecher	n Übernehm	en Hilfe
Eigenschaften von GP	D (Input)	<u>? ×</u>	Eigenscha	aften von G	PD (Input)		<u>? x</u>
TCP/IP Data Type	Settings Sessions	Data Protocol	TCP/	/IP	Settings Data C	Sessions apturing	Data Protocol
□ Input data type red			Data	capturing —			
Active				Active			
C Always assu	ume data type:		0	C Without p	rotocol data		
ESC/P	v		,		ocol data		Maximum size
Auto detect	able data types:			99 - Max	imum files to caj		(MB)
IGP	<u> </u>		7	720 To ke	eep		
IPDS				Add job nam	ne to captured f	ilename	
	ript ibe						
ОК	Abbrechen Übernehmen	Hilfe		ОК	Abbreche	n Übernehm	ien Hilfe

Eigenschaften vo	n GPD (Input)			<u>? ×</u>
TCP/IP	Settings	Sessions	Data	1
Data Type	Data C	Capturing	Protocol	
<none></none>			Configure	
OK	Abbreche	u Überneł	nmen Hilf	e

From remote Mercury

The fifth input interface requires unencrypted input from another Mercury or Mercury index server.

Eigenschaften von TCP/IP (Input)	Pigenschaften von TCP/IP (Input)	<u>? ×</u>
Eigenschaften von TCP/IP (Input) Data Type Data Capturing Protocol TCP/IP Settings Sessions Data Maximum # of input sessions:	Pictor Eigenschaften von TCP/IP (Input) Image: Data Type Data Capturing Protection Image: Data Capturing Data Capturing Protection Image: Data Type Data Capturing Sessions Image: Data Capturing Image: Data Type Data Capturing Sessions Image: Data Capturing Image: Data Capturing Image: Data Type Data Capturing Data Capturing Sessions Image: Data Capturing Image: Data Capturing Image: Data Capture Image: Data Capture Decompress and decrypt data automatically Password: Image: Data Capture Image: Data Capture Image: Data Capture Image: Data Capture Data Captu	ocol Data
OK Abbrechen Übernehmen Hit	ilfe OK Abbrechen Übernehmen	Hilfe



Eigenschaften von TC	P/IP (Input)		? ×
TCP/IP Data Type	Settings Data Captur	Sessions ing	Data Protocol
PJL		Conf	gure
ОК	Abbrechen	Übernehmen	Hilfe

9.4 Setting up the Mercury emulations and filters

For the Mercury-wide Follow2Print and PDF workflow, a total of four Mercury emulations - a RAW emulation for transparently passing print data and three Postscript Processor emulations - are required. The operating mode of the three postscript processor emulations is dynamically switched by the respective GPD printer. If extended postscript processing has been activated in the extended print settings of the printer, the postscript data stream is interpreted, any existing overlay functions are executed and translated into standard postscript commands. If advanced postscript processing is deactivated, the postscript data is passed through transparently, as in raw emulation. With PDF generation, the PostScript data is then converted from PostScript Processor Emulation to PDF format.

In addition to the Postscript Processor emulation for 'Normal + PDF Print', a Job Copier Filter Module is also connected as input filter. This module generates a copy for the GPD printing with additional generation of PDF documents from each processed GPD print job and for further processing and PDF generation through a Postscript Processor emulation.

The other configured Mercury emulations do not require any additional filter modules. The configuration settings of the individual emulations are depicted in the following screenshots. If no screenshots exist for individual configuration pages, this means that the default settings can be adopted here. Activating the Accounting Parser module in the "Common" properties of Postscript Processor emulations is only necessary if the advanced accounting functions incl. color page recognition are to be used in the Mercury and FSM installation. If only the page count of a print job needs to be determined, this feature should be disabled to avoid unnecessary server load through the additional in-depth analysis of print jobs.

PDF Conversion

Postscript Processor confi	guration ?X
Common Resources Input media mapping Output bin mapping Staple mapping Jog mapping PS interpreter defaults Postscript overlays Postscript text scanner Performance Output driver settings	Common Properties Output driver Image: Comparison of the tiff images from PS or PDF input Printer Image: Comparison of the tiff images from PS or PDF input Generate decomposition service tiff images from PS or PDF input Image: Comparison of the tiff images in the PS interpreter defaults. (default resolution is 300 dpi)
OK Cancel Help	Input data compatibility level Copies of input data Read input data Tenable Accounting parser module Pass through input data

Postscript Processor confi	guration	<u>? ×</u>
Common	Resources Prope	rties
Resources Input media mapping Output bin mapping Staple mapping Jog mapping PS interpreter defaults Postscript overlays Postscript text scanner	Global resource path C:\ProgramData\docuFORM\Mercury\Res\vipp\ Use VIPP encoding file specified below Use external "fontlist" file Brows Use additional VIPP or Postscript resource file specified below	B
Output driver settings	Edit Brows Resource path used for temporary files and emulation specific resources	e,,, e,,,
	Project resource path	
ОК	Use project path C:\ProgramData\docuFORM\Mercury\Res\wipp\ Brows	B
Cancel Help	Run emulation in static mode	

Postscript Processor confi	guration	? ×
Common Resources Input media mapping Output bin mapping Staple mapping Jog mapping PS interpreter defaults Postscript overlays Postscript text scanner Performance Output driver settings	Input media mapping Propert Postscript printer: <> (MediaType)(MediaColor)(MediaWeight) Postscript printer input slot	ies
OK Cancel Help	Remove selected mappings If there is no mapping given, the standard postscript selection will be done for the media request. e.g. for '(plain)(red)()': <<	

Postscript Processor confi	guration	<u>?</u> ×
Common Resources Input media mapping Output bin mapping Staple mapping Jog mapping PS interpreter defaults Postscript overlays Postscript text scanner Performance Output driver settings	Output bin mapping Propertie Postscript printer: <> (Output bin name) Postscript printer output slot	25
OK Cancel Help	Remove selected mappings If there is no mapping given, the standard postscript selection will be done for the bin request. e.g. for '(FaceupBin)' : << /OutputType (FaceupBin) >> setpagedevice	

Common Staple mapping Properties Input media mapping Output bin mapping Postscript printer: <> Staple mapping Jog mapping PS interpreter defaults Postscript overlays Postscript overlays Postscript text scanner Performance Output driver settings Otto If there is no mapping given, the standard postscript selection will be done for the staple request. e.g. for 'true(SinglePortrait)' : < < OK	Postscript Processor configu	ration	<u>?</u> ×
Input media mapping Output bin mapping Staple mapping Jog mapping PS interpreter defaults Postscript overlays Postscript text scanner Performance Output driver settings Image: Cancel OK E.g. for 'true(SinglePortrait)' : < Cancel Cancel	Common	taple mapping	Properties
OK If there is no mapping given, the standard postscript selection will be done for the staple request. Cancel e.g. for 'true(SinglePortrait)' : <	 Input media mapping Output bin mapping Staple mapping Jog mapping PS interpreter defaults Postscript overlays Postscript text scanner Performance Output driver settings 	Postscript printer: <> Staple (Staple option) Postscript printer staple	e action
OK If there is no mapping given, the standard postscript selection will be done for the staple request. Cancel e.g. for 'true(SinglePortrait)' : Cancel <			Remove selected mappings
Help	OK Cancel Help	If there is no mapping given, the standard posts the staple request. e.g. for 'true(SinglePortrait)' : << /StapleLocation (SinglePortrait) >> setpaged e.g. for 'false' : << /StapleLocation (None) >> setpagedevice	cript selection will be done for

Postscript Processor confi	guration	<u>?</u> ×
 Common Resources Input media mapping Output bin mapping Staple mapping Jog mapping PS interpreter defaults Postscript overlays Postscript text scanner Performance Output driver settings 	Jog mapping Properti Postscript printer: <> Jog (Jog option) Postscript printer jog action	es
OK Cancel Help	Remove selected mappings If there is no mapping given, the standard postscript selection will be done for the jog request. e.g. for 'true(EndOfJob)': </Jog (EndOfJob) >> setpagedevice e.g. for 'false': </Jog (None) >> setpagedevice	

Postscript Processor confi	guration		<u>? ×</u>
Postscript Processor confi Common Resources Input media mapping Output bin mapping Staple mapping Staple mapping Jog mapping Post mapping Postscript overlays Postscript text scanner Performance Output driver settings	PS interpreter defaults Paper size a4 Fixed Paper size Fit to page Set pagesize at every page Output resolution in DPI Use default	Propertie	S.
✓ OK Cancel	Duplex mode Job supplied Ignore numcopies Copy PJL Header Use old font renderer Set Ghostscript serialnumber Process XML header (default proc	Remove formfeed line Font Height: 0 (0 = auto) 0 Font: Courier Page orientaion: Portrait N-Up mode: One Up pocessing mode: remove XML)]
Help	Ignore stdout messages generate	ted from EPS resources	

Postscript Processor confi	guration			? ×
Common Resources	Postscript overlays Insert specifications:		Proper	ties
Input media mapping Output bin mapping Staple mapping Og mapping PS interpreter defaults Postscript overlays Postscript text scanner Performance	Trigger type Definition name Press right mouse butto	Location e	exclude first page	Repe
Output driver settings	Overlay definitions for the selected insert sp Page Nr Name Type	ecification:	Rotation ShiftX	([mm]
OK Cancel	Press right mouse butto	on to add new defi	initons	
Help	Input data driver type: Windows V3	T		

Postscript Processor confi	guration				? ×
Common	Postscript text scanner				Properties
Input media mapping Output bin mapping Staple mapping Jog mapping PS interpreter defaults Postscript overlays Postscript text scanner	Field Name Type Press right m	ouse b	Startpage utton to add n	Endpage ew definitons	Trigger sequence
Output driver settings	Field validity Field validity Number of pages Global parameters Collect Interseparator char: Separator at moveto Delete triggered text Delete all text Collect		ta options e	bccurrence of Limi t/FieldNr h sequence ates value nsert specific	F trigger sequence tation mode Field separator

Postscript Processor confi	guration	<u>? ×</u>
Common Resources Input media mapping Output bin mapping Staple mapping	Data processing Max block size for reading : SS KB Block size for cutaut buffering : O	Properties
PS interpreter defaults Postscript overlays Postscript text scanner Performance Output driver settings	Timing Delay before next try on read error 1000 msec Delay before next try on write error 10 msec Timeout for shutdown : 5000 msec	
OK Cancel Help	Bidirectional Communication Produce ACK/NAK responses Send stop code to host after writing: 0 sec Ghostscript process priority below normal	

Postscript Processor confi	guration	<u>? ×</u>
 Common Resources Input media mapping Output bin mapping Staple mapping Jog mapping PS interpreter defaults Postscript overlays Postscript text scanner Performance Output driver settings 	Output driver settings Properti PDF output settings Quality: Default Auto rotate pages Auto rotate pages PDFA Settings generate PDF/A-1b compatible output. Select ICC profile stored in global resource path. (Embedding a ICC profile is mandatory for PDF/A generation). Browse	es
OK Cancel Help		

Normal Print

Postscript Processor config	puration	<u>? ×</u>
Common Resources Input media mapping Output bin mapping Staple mapping Jog mapping PS interpreter defaults Postscript overlays Postscript text scanner Performance Output driver settings	Common Propertie Output driver	
 OK Cancel Help 	Decomp Service off Set the desired resolution for the tiff images in the PS interpreter defaults. (default resolution is 300 dpi) Input data compatibility level Raw postscript conversion Image: Copies of input data Read input data 1 time(s) Pass through input data	

Postscript Processor confi	iguration	×
Common Resources Input media mapping Output bin mapping Staple mapping	Resources Properties Global resource path	;
Jog mapping PS interpreter defaults Postscript overlays Postscript text scanner Performance Output driver settings	Ose vipp encoding hie specified below Image: Specified below Browse Use additional VIPP or Postscript resource file specified below Edit Browse	
I	Resource path used for temporary files and emulation specific resources C:\ProgramData\docuFORM\Mercury\Res\Mercury_1\5\ Browse Project resource path	
OK Cancel	Use project path C:\ProgramData\docuFORM\Mercury\Res\vipp\ Browse Run emulation in static mode	



Postscript Processor config	juration	? X
Common Resources Input media mapping Output bin mapping Staple mapping Jog mapping PS interpreter defaults Postscript overlays Postscript text scanner Performance Output driver settings	Output bin mapping Propert Postscript printer: <> (Output bin name) Postscript printer output slot	ies
OK Cancel Help	Remove selected mappings If there is no mapping given, the standard postscript selection will be done for the bin request. e.g. for '(FaceupBin)' : << /OutputType (FaceupBin) >> setpagedevice	

Postscript Processor confi	guration	? ×
Common Resources Input media mapping Output bin mapping Staple mapping Jog mapping PS interpreter defaults Postscript overlays Postscript text scanner Performance Output driver settings	Staple mapping Propertie Postscript printer: <> Staple (Staple option) Postscript printer staple action	S
OK Cancel Help	Remove selected mappings If there is no mapping given, the standard postscript selection will be done for the staple request. e.g. for 'true(SinglePortrait)': << /StapleLocation (SinglePortrait) >> setpagedevice e.g. for 'false': << /StapleLocation (None) >> setpagedevice	

Postscript Processor conf	guration	? ×
Common Resources Unput media mapping Output bin mapping Staple mapping Dog mapping PS interpreter defaults Postscript overlays Postscript text scanner Performance Output driver settings	Jog mapping Propert Postscript printer: <> Jog (Jog option) Postscript printer jog action	ies
OK Cancel Help	Remove selected mappings If there is no mapping given, the standard postscript selection will be done for the jog request. e.g. for 'true(EndOfJob)' : <> setpagedevice e.g. for 'false' : <> setpagedevice	

Common PS interpreter defaults Properties Input media mapping Output bin mapping Size for portrait in 1/72 Inch 9998 Staple mapping Staple mapping Fixed Paper size Fit to page 9998 Jog mapping PS interpreter defaults Size for portrait in 1/72 Inch 9998 Postscript overlays Postscript overlays Output resolution in DPI Linemode and Plain text input settings Performance Output driver settings Output resolution in DPI Linemode and Plain text input settings Output driver settings Output mode Ingnore numcopies Characters per Line: 80 Skip lines: Ignore numcopies Ignore numcopies Font Height: 0 Points (1/72') Ignore numcopies Vue of font renderer Set Ghostscript serialnumber Page orientaion: Portrait Help Help Vue of fault processing mode: remove XML) Ignore stidu timescages generated from EPS resources	Postscript Processor confi	guration		?)	<u><</u>
Input media mapping Paper size Output bin mapping Fixed Paper size Staple mapping Fixed Paper size Jog mapping Fixed Paper size PS interpreter defaults Fixed Paper size Postscript overlays Output resolution in DPI Performance Output driver settings Output driver settings Output resolution in DPI Upplex mode Use default Duplex mode Output for resolution Job supplied Ingnore numcopies Cox Set Ghostscript serialnumber OK Use old font renderer Set Ghostscript serialnumber N-Up mode: Process XML header (default processing mode: remove XML)	Common	PS interpreter defaults		Properties	
Postscript overlays Postscript text scanner Performance Output driver settings Use default Duplex mode Job supplied Ignore numcopies Concel Help Help OK Process XML header (default processing mode: remove XML)	Input media mapping Output bin mapping Staple mapping Jog mapping PS interpreter defaults	Paper size a4 Fixed Paper size Fit to page Set pagesize at every page	ge Size	for portrait in 1/72 Inch 595 Width 842 Height	
OK Ignore numcopies Font: Courier OK Copy PJL Header Page orientaion: Portrait Use old font renderer N-Up mode: One Up Process XML header (default processing mode: remove XML) Help Ignore stdout messages generated from EPS resources	Postscript overlays Postscript text scanner Performance Output driver settings	Output resolution in DPI Use default Duplex mode Job supplied	Linemode and Plain Characters per Line Lines per Page: Remove formfe Font Height: (0 = auto)	e: 80 Skip lines: 66 0 eed line 0 Points (1/72")	
	OK Cancel Help	 Ignore numcopies Copy PJL Header Use old font renderer Set Ghostscript serialnumber Process XML header (default proc Ignore stdout messages generation) 	Font: Page orientaion: N-Up mode: cessing mode: remove ed from EPS resource	Courier	

Postscript Processor confi	guration			? ×
Common	Postscript overlays		Pr	operties
Input media mapping Output bin mapping	Insert specifications: Trigger type Definition name	Location	exclude first p	age Repe
Staple mapping Jog mapping PS interpreter defaults Postscript overlays Postscript text scanner Performance Output driver settings	Press right mouse butto	on to add new d	efinitons	
ouput unver setungs	Overlay definitions for the selected insert sp	pecification:		
	Page Nr Name Type	e Scale	Rotation	ShiftX [mm]
OK Cancel	Press right mouse butto	on to add new de	efinitons	
Help	Input data driver type: Windows V3	<u> </u>]	

Postscript Processor confi	iguration				<u>? ×</u>
Common	Postscript text scan	ner			Properties
 Input media mapping Output bin mapping Staple mapping Jog mapping PS interpreter defaults Postscript overlays Postscript text scanner 	Field Name Ty Press	pe right mouse b	Startpage utton to add n	Endpage	Trigger sequence
Performance Output driver settings Image: Concel Help	Field validity Field validity Number of page Global parameters Collect 0 lines Line separator char: : Separator at moveto Delete triggered text Delete all text Strip leading and trailing	p spaces	ta options e v offse 0 Offse 0 Lengt Store trigger Space termina lect triggered i	bccurrence of Limi t/FieldNr h sequence ates value nsert specific	trigger sequence tation mode Field separator

Postscript Processor confi	guration	? ×
Common Resources Input media mapping Output bin mapping Staple mapping	Data processing Max block size for reading :	Properties
Jog mapping PS interpreter defaults	Block size for output buffering : 0 KB	
Postscript overlays Postscript text scanner Performance Output driver settings	Timing Delay before next try on read error 1000 msec Delay before next try on write error 10 msec	
•	Timeout for shutdown : 5000 msec	
OK Cancel Help	Bidirectional Communication Produce ACK/NAK responses Send stop code to host after writing: Ghostscript process priority below normal	

Postscript Processor configu	ıration	<u>? ×</u>
Postscript Processor configu Common Resources Input media mapping Output bin mapping Staple mapping PS interpreter defaults Postscript overlays Postscript text scanner Performance Output driver settings OK Cancel Help	Pration PCL and Postscript output settings Job copies Job Splitting Split job every 0 Pages. Enter 0 to Split job at the end of a set (after ENDOF Page content shift and zoom Additional horizontal Additional horizontal 0 100 \checkmark % Page content zoom factor (only with Postsc Resource pass through for postscript output (recommended) Enable EPS and image pass through Use ASCII base 85 encoding ICALL Hold all resources in Printer VM embedded Disable EPS BoundingBox Check lower size limit: Copy Prolog PCL driver only Enable edge to edge mode Send PPD default Send PPD default page settings at document setup Add empty backside at duplex documents with a odd nur	Properties disable splitting. SET is called). shift in 1/720 inch ript output) through for: SETFORM ed resources 0 Bytes PJL setup mber of pages

Normal + PDF Print

Postscript Processor confi	guration	<u>? ×</u>
Common Resources Input media mapping Output bin mapping Staple mapping Jog mapping PS interpreter defaults Postscript overlays Postscript text scanner Performance Output driver settings	Common Propert Output driver Postscript output (high-level) Image: Set PDFDEVICE variable to 'true' Printer Generic postscript printer Image: Set PDF input Generate decomposition service tiff images from PS or PDF input Image: Set PDF input Decomp Service off Image: Set PDF input Set the desired resolution for the tiff images in the PS interpreter defaults. (default resolution is 300 dpi)	ies T
OK Cancel Help	Input data compatibility level Copies of input data Raw postscript conversion Copies of input data Read input data 1 time(s Fass through input data)

Postscript Processor conf	iguration	? ×
Common Resources Input media mapping Output bin mapping Staple mapping Jog mapping PS interpreter defaults Postscript overlays Postscript text scanner Performance Output driver settings	Resources Propert Global resource path	ies]]
OK Cancel Help	Resource path used for temporary files and emulation specific resources C:\ProgramData\docuFORM\Mercury\Res\Mercury_1\6\ Project resource path Use project path C:\ProgramData\docuFORM\Mercury\Res\vipp\ Browse Browse @ Use project path C:\ProgramData\docuFORM\Mercury\Res\vipp\ Browse @ Run emulation in static mode	

Postscript Processor confi	guration	<u>?</u> ×
Common Resources Input media mapping Output bin mapping Staple mapping Jog mapping PS interpreter defaults Postscript overlays Postscript text scanner Performance Output driver settings	Input media mapping Propertian Postscript printer: <> (MediaType)(MediaColor)(MediaWeight) Postscript printer input slot	es
OK Cancel Help	Remove selected mappings If there is no mapping given, the standard postscript selection will be done for the media request. e.g. for '(plain)(red)()': << /MediaType (plain) /MediaColor (red) >> setpagedevice Convert MediaPosition request to MediaType	

Postscript Processor confi	guration	<u>?</u> ×
Common Resources Input media mapping Output bin mapping Staple mapping Jog mapping PS interpreter defaults Postscript overlays Postscript text scanner Performance Output driver settings	Output bin mapping Propertie Postscript printer: <> (Output bin name) Postscript printer output slot	25
OK Cancel Help	If there is no mapping given, the standard postscript selection will be done for the bin request. e.g. for '(FaceupBin)' : << /OutputType (FaceupBin) >> setpagedevice	

Postscript Processor confi	guration	<u>? ×</u>
Common Resources Input media mapping Output bin mapping Staple mapping Jog mapping PS interpreter defaults Postscript overlays Postscript text scanner Performance Output driver settings	Staple mapping Propertion Postscript printer: <> Staple (Staple option) Postscript printer staple action	es
OK Cancel Help	Remove selected mappings If there is no mapping given, the standard postscript selection will be done for the staple request. e.g. for 'true(SinglePortrait)' : << /StapleLocation (SinglePortrait) >> setpagedevice e.g. for 'false' : << /StapleLocation (None) >> setpagedevice	

Postscript Processor confi	guration	? ×
Common Resources Input media mapping Output bin mapping Staple mapping Jog mapping PS interpreter defaults Postscript overlays Postscript text scanner Performance Output driver settings	Jog mapping Propert Postscript printer: <> Jog (Jog option) Postscript printer jog action	ies
OK Cancel Help	Remove selected mappings If there is no mapping given, the standard postscript selection will be done for the jog request. e.g. for 'true(EndOfJob)' : << /Jog (EndOfJob) >> setpagedevice e.g. for 'false' : << /Jog (None) >> setpagedevice	

Postscript Processor conf	iguration		<u>? ×</u>
Common Resources Input media mapping Output bin mapping Staple mapping Jog mapping PS interpreter defaults Postscript overlays	Paper size Paper size a4 Fixed Paper size Fixed Paper size Set pagesize at every page Output resolution in DPI	ge	For portrait in 1/72 Inch 595 Width 842 Height text input settings
Postscript text scanner Performance Output driver settings	Use default Uuplex mode Job supplied Ignore numcopies	Characters per Line Lines per Page: Remove formfe Font Height: (0 = auto) Font:	2: 80 Skip lines: 66 0 eed line 0 Points (1/72") Courier
OK Cancel Help	 Copy PJL Header Use old font renderer Set Ghostscript serialnumber Process XML header (default proc Ignore stdout messages generation) 	Page orientaion: N-Up mode: cessing mode: remove ed from EPS resource	Portrait

Postscript Processor confi	guration			? ×
Common Resources	Postscript overlays		Proper	ties
Input media mapping Output bin mapping Staple mapping	Trigger type Definition name I	Location	exclude first page	Rept
Jog mapping PS interpreter defaults Postscript overlays Postscript text scanner Performance	Press right mouse buttor	n to add new de	finitons	
····· Output driver settings	Overlay definitions for the selected insert spe	ecification:		
∢ →	Page Nr Name Type	Scale	Rotation ShiftX	[mm]
OK Cancel	Press right mouse buttor	n to add new de	finitons	
Help	Input data driver type: Windows V3	•]	

Postscript Processor conf	iguration		? ×
Common	Postscript text scanner		Properties
The sources Input media mapping Output bin mapping Staple mapping Og mapping PS interpreter defaults	Field Name Type Press right mo	Startpage Endpage 1	Trigger sequence
Postscript overlays Postscript text scanner Performance Output driver settings	Field validity Field validity Number of pages	Data options Use v occurrence of tri Limitat	igger sequence tion mode
OK Cancel Help	Collect 0 lines Line separator char: : Separator at moveto Delete triggered text Delete all text Strip leading and trailing spaces	Length Length Store trigger sequence Space terminates value Select triggered insert specificati	Field separator



Postscript Processor confi	guration	<u>? ×</u>
Common Resources Input media mapping Output bin mapping Staple mapping Jog mapping	Output driver settings Propertian PCL and Postscript output settings Job Splitting Job copies Job Splitting Split job every 0 Pages. Enter 0 to disable splitting. Split job at the end of a set (after ENDOFSET is called).	es
PS interpreter defaults Postscript overlays Postscript text scanner Performance Output driver settings	Page content shift and zoom Additional horizontal 0 and vertical 0 shift in 1/720 inch 100 • % Page content zoom factor (only with Postscript output) Resource pass through for postscript output (recommended)	
OK Cancel Help	Copy Prolog Bytes PCL driver only Send PPD default PJL setup Send PPD default page settings at document setup Add empty backside at duplex documents with a odd number of pages	

🔏 Configuration of Pr	int Pro	cess GI	PD Intranet [r	nodified]			×
Print Process Edit View	w						
- 4	F.	-					
Input Interfaces	🔀 Ei	mulatior	ns and Filters	Output Interfaces	Logical Printers		
 Name]	ID	Description			Input Filters	↑ ↓
Add Emulation Postscript Process Postscript Process Raw to Raw	or sor sor sor sor sor sor sor sor sor s	4 5 1	PDF Convers Normal Print Normal + PD Print from re	ion F Print mote Mercury		Cutput Filters Dutput Filters D Add Filter	↓

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Print from remote Mercury

Eigenschaften von Raw to Raw	? X	Eigenschaften von Raw to Raw	<u>? ×</u>
Performance Common Behavior		Performance Common Behavior	
Data processing Max. block size for reading: Block size for output buffering: 32 Timing Delay before next try on read Delay before next try on write 10 msec Timeout for shutdown: 5000 msec Bidirectional communication Produce ACK/NAK responses Send stop code to host after 0		 Count pages (see help for supported data types) Input port data type recognition must be enabled! Split jobs after pages Run emulation in static mode 	
OK Abbrechen Übernehmen H	ilfe	OK Abbrechen Übernehmen Hi	fe

9.5 Setting up the Mercury Output Interfaces

A total of seven output interfaces are required for the Mercury-wide Follow2Print and PDF workflow:

- Three GPD Mapper Output Interfaces for local and global GPD direct printing and local Follow2Print printing unencrypted.
- Three encrypted GPD Mapper Output Interfaces for local and global GPD direct printing and local Follow2Print printing
- An SMTP output interface for the encrypted mailing of generated PDF documents to the user.

Print Process Edit View Input Interfaces Emulations and Filters Output Interfaces Isolation Name Type ID Description Add Interface ID Description Add Interface ID Description ?* Name Type ID Description Add Interface ID Description ?* 9100 GPD Mapper 1 Standard Output ?* 9100 GPD Mapper 2 F2P Hold-Queue ?* 9100 GPD Mapper 8 F2P (Global) Output ?* 1632 GPD Mapper [IPP] 6 F2P TLS Hold-Queue ?* 443 GPD Mapper [IPP] 5 Standard TLS Output :* 443 GPD Mapper [IPP] 7 F2P (Global) TLS Output	rint Process Edit View	Configuration of Print Process GPD Intranet			
Input Interfaces Emulations and Fitters Output Interfaces Isocial Printers Name Type ID Description Add Interface ID Description Add Interface ID SMTP 4 Email TLS Output ?:9100 GPD Mapper 1 Standard Output ?:9100 GPD Mapper 2 F2P Hold-Queue ?:9100 GPD Mapper 8 F2P (Global) Output ?:9100 GPD Mapper 8 F2P (Global) Output ?:9100 GPD Mapper [IPP] 6 F2P TLS Hold-Queue ?:9100 GPD Mapper [IPP] 5 Standard TLS Output :632 GPD Mapper [IPP] 5 Standard TLS Output :443 GPD Mapper [IPP] 7 F2P (Global) TLS Output :443 GPD Mapper [IPP] 7 F2P (Global) TLS Output	Input Interfaces Emulations and Filters Output Interfaces Isocial Printers Name Type ID Description Add Interface ID Description Mailsrv.company.net:465 (<email>] SMTP 4 Email TLS Output ?:9100 GPD Mapper 1 Standard Output ?:9100 GPD Mapper 2 F2P Hold-Queue ?:9100 GPD Mapper 8 F2P (Global) Output ?:632 GPD Mapper [IPP] 6 F2P TLS Hold-Queue ::443 GPD Mapper [IPP] 5 Standard TLS Output :443 GPD Mapper [IPP] 7 F2P (Global) TLS Output</email>	Print Process Edit View			
Input Interfaces Emulations and Filters Output Interfaces Iz Logical Printers Mame Type ID Description Add Interface ID Construction Imailsrv.company.net:465 (<email> [<email>]) SMTP 4 Email TLS Output ?:9100 GPD Mapper 1 Standard Output ?:9100 GPD Mapper 8 F2P (Global) Output ?:9100 GPD Mapper 8 F2P (Global) Output :632 GPD Mapper [IPP] 6 F2P TLS Hold-Queue :443 GPD Mapper [IPP] 5 Standard TLS Output :443 GPD Mapper [IPP] 7 F2P (Global) TLS Output</email></email>	Input Interfaces Emulations and Filters Output Interfaces Isolation Name Type ID Description Add Interface Imailsrv.company.net:465 (<email> [<email>]) SMTP 4 Email TLS Output ?:9100 GPD Mapper 1 Standard Output ?:9100 GPD Mapper 2 F2P Hold-Queue ?:9100 GPD Mapper 8 F2P (Global) Output :632 GPD Mapper [IPP] 6 F2P TLS Hold-Queue :443 GPD Mapper [IPP] 5 Standard TLS Output :443 GPD Mapper [IPP] 7 F2P (Global) TLS Output</email></email>	€ + =			
NameTypeIDDescriptionAdd Interface	NameTypeIDDescriptionAdd Interface	🕞 Input Interfaces 🖾 Emulations and Filters 🖾 Output Int	erfaces 🔀 Logical Printers		
Add Interface mailsrv.company.net:465 (<email> [<email>]) SMTP 4 Email TLS Output "Pillon GPD Mapper 1 Standard Output "Pillon GPD Mapper 2 F2P Hold-Queue "Pillon GPD Mapper 8 F2P (Global) Output "GPD Mapper [IPP] 6 F2P TLS Hold-Queue :632 GPD Mapper [IPP] 5 Standard TLS Output :443 GPD Mapper [IPP] 7 F2P (Global) TLS Output</email></email>	Add Interface mailsrv.company.net:465 (<email> [<email>]) SMTP 4 Email TLS Output 2:9100 GPD Mapper 1 Standard Output 2:9100 GPD Mapper 2 F2P Hold-Queue 2:9100 GPD Mapper 8 F2P (Global) Output 2:9100 GPD Mapper 8 F2P (Global) Output 2:632 GPD Mapper [IPP] 6 F2P TLS Hold-Queue 2:443 GPD Mapper [IPP] 5 Standard TLS Output 1:443 GPD Mapper [IPP] 7 F2P (Global) TLS Output</email></email>	▼ Name	Туре	ID	Description
Imailsrv.company.net:465 (<email> [<email>])SMTP4Email TLS OutputImailsrv.company.net:465 (<email> [<email>])GPD Mapper1Standard OutputImailsrv.company.net:465 (<email> [<email>])GPD Mapper2F2P Hold-QueueImailsrv.company.net:465 (<email> [GPD Mapper2F2P Hold-QueueImailsrv.company.net:465 (<email> [GPD Mapper8F2P (Global) OutputImailsrv.company.net:465 (<email> [GPD Mapper [IPP]6F2P TLS Hold-QueueImailsrv.company.net:465 (<email> [GPD Mapper [IPP]5Standard TLS OutputImailsrv.company.net:465 (<email> [GPD Mapper [IPP]7F2P (Global) TLS Output</email></email></email></email></email></email></email></email></email></email></email>	Imailsrv.company.net:465 (<email> [<email>])SMTP4Email TLS OutputImailsrv.company.net:465 (<email> [<email>])GPD Mapper1Standard OutputImailsrv.company.net:465 (<email> [<email>])GPD Mapper2F2P Hold-QueueImailsrv.company.net:465 (<email> [<email>])GPD Mapper2F2P Hold-QueueImailsrv.company.net:465 (<email> [<email>])GPD Mapper8F2P (Global) OutputImailsrv.company.net:465 (<email> [GPD Mapper [IPP]6F2P TLS Hold-QueueImailsrv.company.net:465 (<email> [<email> [GPD Mapper [IPP]5Standard TLS OutputImailsrv.company.net:443GPD Mapper [IPP]7F2P (Global) TLS Output</email></email></email></email></email></email></email></email></email></email></email></email></email>	Add Interface			
Image: Problem stateGPD Mapper1Standard OutputImage: Problem stateGPD Mapper2F2P Hold-QueueImage: Problem stateGPD Mapper8F2P (Global) OutputImage: Problem stateGPD Mapper [IPP]6F2P TLS Hold-QueueImage: Problem stateGPD Mapper [IPP]5Standard TLS OutputImage: Problem stateGPD Mapper [IPP]7F2P (Global) TLS Output	Image: Pipe standard OutputStandard OutputImage: Pipe standard TLS OutputImage: Pipe standard OutputImage: Pipe standard TLS OutputImage: Pipe standard OutputImage: Pipe standard TLS OutputImage: Pipe sta	mailsrv.company.net:465 (<email> [<email>])</email></email>	SMTP	4	Email TLS Output
C:9100GPD Mapper2F2P Hold-QueueC:9100GPD Mapper8F2P (Global) OutputC:632GPD Mapper [IPP]6F2P TLS Hold-QueueC:443GPD Mapper [IPP]5Standard TLS OutputC:443GPD Mapper [IPP]7F2P (Global) TLS Output	Image: Sp100GPD Mapper2F2P Hold-QueueImage: Sp100GPD Mapper8F2P (Global) OutputImage: Sp100GPD Mapper [IPP]6F2P TLS Hold-QueueImage: Sp100GPD Mapper [IPP]5Standard TLS OutputImage: Sp100GPD Mapper [IPP]7F2P (Global) TLS OutputImage: Sp100GPD Mapper [IPP]7F2P (Global) TLS Output	(1) (1) (1) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2	GPD Mapper	1	Standard Output
CP:9100GPD Mapper8F2P (Global) OutputC:632GPD Mapper [IPP]6F2P TLS Hold-QueueC:443GPD Mapper [IPP]5Standard TLS OutputC:443GPD Mapper [IPP]7F2P (Global) TLS Output	Image: Problem stateGPD Mapper8F2P (Global) OutputI:632GPD Mapper [IPP]6F2P TLS Hold-QueueI:443GPD Mapper [IPP]5Standard TLS OutputI:443GPD Mapper [IPP]7F2P (Global) TLS Output	(1) (1) (1) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2	GPD Mapper	2	F2P Hold-Queue
Image: G2GPD Mapper [IPP]6F2P TLS Hold-QueueImage: G443GPD Mapper [IPP]5Standard TLS OutputImage: G443GPD Mapper [IPP]7F2P (Global) TLS Output	Image: GPD Mapper [IPP] 6 F2P TLS Hold-Queue Image: GPD Mapper [IPP] 5 Standard TLS Output Image: GPD Mapper [IPP] 7 F2P (Global) TLS Output	?:9100	GPD Mapper	8	F2P (Global) Output
Image: 443 GPD Mapper [IPP] 5 Standard TLS Output Image: 443 GPD Mapper [IPP] 7 F2P (Global) TLS Output	Image: With Sector with S	:632	GPD Mapper [IPP]	6	F2P TLS Hold-Queue
		:443	GPD Mapper [IPP]	5	Standard TLS Output
		(]:443	GPD Mapper [IPP]	7	F2P (Global) TLS Output

Email TLS Output

The Mercury Email TLS Output Interface is used to encrypt the PDF documents generated by the Mercury OMS Software as part of the user GPD PDF workflow.

Eigenschaften von SMTP (Output)	<u>?</u> ×	Eigenschaften von SMTP (Output)
SMTP Output Settings Data Data Capturing Spooling		SMTP Output Settings Data Data Capturing Spooling
SMTP Server	-	Description: Email TLS Output
SMTP server: mailsrv.company.net		Buffer Read block size: 32 KB
Security: SSL/TLS Port: 465		- Evacute command after printing
User: oms@company.net		
Password:		
Sender		
Sender: Mercury OMS Site A		
From address: oms@company.net		
Receiver: <email> [<email>]</email></email>		
Confirmation:		
Default extension: PDF Force extension		
Mail text		
OK Abbrechen Übernehmen Hit	fe	OK Abbrechen Übernehmen Hilfe

Eigenschaften von SMTP (Output)	Figenschaften von SMTP (Output)
Eigenschaften von SMTP (Output) SMTP Output Settings Data Data Capturing Spooling Post Processing Image: Configure Image:	? X Eigenschaften von SMTP (Output) ? X SMTP Output Settings Data Data Capturing SMTP Output Settings Data Data Capturing Converted data capturing Active Without protocol data With protocol data Maximum files to capture Maximum size Maximum pour
Compress data Compress and encrypt data Method: Zip output Password: Send job information within data stream (only supported by Mercury input parts)	720 Maximum hours to keep Add job name to captured filename
OK Abbrechen Übernehmen Hilf	e OK Abbrechen Übernehmen Hilfe

Eigenschaften von SMTP (Output)	l ×
SMTP Output Settings Data Data Capturing Spooling	
₩ Active	
Coool directory	
C:\ProgramData\docuEORM\Mercury\SPOOL\1\PORT4\	
	-
Retry if busy	
after 15 sec with dynamic increase	-
Process at most 1 jobs concurrently	
Allow alteration of job sequence if applicable	
Compress spool files	
Start printing, even if job is not completely spooled	
Cancel job on print error	
Delete active jobs after unexpected restart	
Scheduled printing Settings	
Keep spooled jobs after printing	
for hours minutes	
at the libs	
domo pres	
	-
OK Abbrechen Übernehmen Hilfe	

The access data for the respective SMTP mail server to which the Mercury software

sends the generated emails with PDF attachments must be individually configured in the 'SMTP server' area for each Mercury server. Similarly, the sender information to be entered in the 'Sender' section can be individually configured for each Mercury OMS server. In the 'More' section, additional 'CC' and 'BCC' recipient addresses can be entered in addition to the recipient address, which must be configured as shown in the screenshot.

E-Mail address	Name	
<email></email>	<email></email>	
CC:		
E-Mail address	Name	
E-Mail address	Name	
E-Mail address BCC: E-Mail address	Name	

Standard Output

The GPD Mapper Output Interface for the 'Standard Output' sends the print documents generated by the Global Printer Driver (GPD) to the printing systems directly connected to the Mercury OMS system.

Eigenschaften von GPD Mapper (Output)	Eigenschaften von GPD Mapper (Output)
Job Monitoring Data Data Capturing Spooling Protocol TCP/IP Device Assignment Settings	Job Monitoring Data Data Capturing Spooling Protocol TCP/IP Device Assignment Settings
Addresses Bind to IP address: TCP-Port: 9100 Default remote address:	Device Add Edit, Delete Move Up Move Up
Connect timeout: 5 sec Close timeout: 480 sec Linger timeout: sec	Move Down Method: Pages: Count: Use only if error occurred
 Do not connect to a device which is in an error state (requires SNMP device monitoring) Do not connect to a device after connect error for seconds 	Error handling Redirect after 0 seconds, if the output device is busy Redirect Complete job Missing pages after minutes without print activity
OK Abbrechen Übernehmen Hilfe	OK Abbrechen Übernehmen Hilfe

Page 64 of 90

Eigenschaften von GPD Mapper (Output)	Eigenschaften von GPD Mapper (Output)
Job Monitoring Data Data Capturing Spooling Protocol TCP/IP Device Assignment Settings	TCP/IP Device Assignment Settings Job Monitoring Data Data Capturing Spooling Protocol
Description: Standard Output Buffer Read block size: 32 KB Execute command after printing	Active (page confirmation by PJL) Page notification Job notification Display job information SNMP device monitoring Active Monitor device continuously Stop monitoring Minutes after last output
OK Abbrechen Übernehmen Hilfe	SNMP community: public Port: 161 OK Abbrechen Obernehmen Hilfe

	are rupper (oucput)		Eigenschaften vo	n GPD Mapper (Output)	?
TCP/IP	Device Assignment	Settings	TCP/IP	Device Assignment	Settings
Post Proce PS Remain Data encr © No eni © Compr © Compr Metho Passwi Passwi Strip F	essing pper yption cryption ress data ress and encrypt data od: information within data stre supported by Mercury input po PJL feedback	Configure	Converted dat Active Without 99 - T 720 - T Add job	a capturing ut protocol data rotocol data Maximum files to capture Maximum hours o keep name to captured filename	Maximum size (MB)

.

Eigenschaften von GPD Mapper (Output)	Eigenschaften von GPD Mapper (Output)	? ×
TCP/IP Device Assignment Settings Job Monitoring Data Data Capturing Spooling Protocol	TCP/IP Device Assignment Settings Job Monitoring Data Data Capturing Spooling Proto	col
Active Spool directory: C:\ProgramData\docuFORM\Mercury\SPOOL\1\PORT1\	<none> Configure,,,</none>	
Retry if busy after 15 sec with dynamic increase		
Process at most 10 jobs concurrently Allow alteration of job sequence if applicable		
Compress spool files Start printing, even if job is not completely spooled Cancel job on print error		
Delete active jobs after unexpected restart		
Scheduled printing/Follow2Print Settings Keep spooled jobs after printing for hours minutes at the jobs		
OK Abbrechen Übernehmen Hilfe	OK Abbrechen Übernehmen Hilfe	

F2P Hold Queue

The F2P Hold Queue GPD Mapper Output Interface collects the GPD-generated print data for the Follow2Print output on local or remote printing systems.

Eigenschaften von GPD Mapper (Output)	Eigenschaften von GPD Mapper (Output)
Job Monitoring Data Data Capturing Spooling Protocol TCP/IP Device Assignment Settings	Job Monitoring Data Data Capturing Spooling Protocol TCP/IP Device Assignment Settings
Addresses Bind to IP address: TCP-Port: 9100 Default remote address:	Device Add Edit Delete Move Up
Connect timeout: 5 sec Close timeout: 120 sec Linger timeout: sec	Method: Pages: Count: Use only if error occurred
 Do not connect to a device which is in an error state (requires SNMP device monitoring) Do not connect to a device after connect error for seconds 	Error handling Redirect after 0 seconds, if the output device is busy Redirect © Complete job Missing pages after minutes without print activity
OK Abbrechen Übernehmen Hilfe	OK Abbrechen Übernehmen Hilfe

enschaften von GPD	Mapper (Output)		<u>? ×</u>
Job Monitoring Data TCP/IP	Data Capturing Device Assignment	Spooling Pro Settings	tocol
Description: F2P	Hold-Queue		
Buffer	Read block size: 32	KB	
Execute commar	nd after printing		
ОК	Abbrechen Übern	ehmen Hil	fe

Eigenschaften von GPD Mapper (Output)
TCP/IP Device Assignment Settings
Job Monitoring Data Data Capturing Spooling Protocol
Active (page confirmation by PJL)
C Page notification
SNMP device monitoring
C Active
C Monitor device continuously
Stop monitoring 🛛 🚊 minutes after last output
SNMP community; public Port; 161
Abbrechen Ubernehmen Hilfe

Eigenschaften von GPD Mapper (Output)	? ×
TCP/IP Device Assignment S Job Monitoring Data Data Capturing Spooling	ettings
Post Processing PS Remapper Configure.	
Data encryption Image: No encryption Image: Compress data Image: Compress and encrypt data Image: Compress and encrypt data Method: Image: Password; Image: Password; Image: Send job information within data stream (only supported by Mercury input ports) Image: Strip PJL feedback	
OK Abbrechen Übernehmen	Hilfe

genschaften von	GPD Mapper (Output)	<u>? ×</u>
TCP/IP Job Monitoring	Device Assignment Data Data Capturing	Settings Spooling Protocol
Converted data	capturing protocol data itocol data iximum files to capture iximum hours keep ame to captured filename	0 📻 Maximum size
OK	Abbrechen Üb	ernehmen Hilfe

TCP/IP Device Assignment Cattings	Delayed printing	
Job Monitoring Data Data Capturing Spooling Protocol Image: Active Spool directory: C:\ProgramData\docuFORM\Mercury\SPOOL\1\PORT2\ Image: C:\ProgramData\docuFORM\Mercury\SPOOL\1\PORT2\ Image: C:\ProgramData\docuFORM\Mercury\SPOOL\1\PORT2\ Image: C:\ProgramData\docuFORM\Mercury\SPOOL\1\PORT2\ Image: C:\ProgramData\docuFORM\Mercury\SPOOL\1\PORT2\ Image: C:\ProgramData\docuFORM\Mercury\SPOOL\1\PORT2\ Image: C:\ProgramData\docuFORM\Mercury\SPOOL\1\PORT2\ Image: C:\ProgramData\docuFORM\Mercury\SPOOL\1\PORT2\ Image: C:\ProgramData\docuFORM\Mercury\SPOOL\1\PORT2\ Image: C:\ProgramData\docuFORM\Mercury\SPOOL\1\PORT2\ Image: C:\ProgramData\docuFORM\Mercury\SPOOL\1\PORT2\ Image: C:\ProgramData\docuFORM\Mercury\SPOOL\1\PORT2\ Image: C:\ProgramData\docuFORM\Mercury\SPOOL\1\PORT2\ Image: C:\Process at most 1 jobs concurrently Allow alteration of job sequence if applicable Concel job on print error Delete active jobs after unexpected restart Image: Sectings Settings Image: For	 Do not delay printing Delay printing until 22.10.2018 ▼ Delay printing for O ★ minute(s) O ★ second(s) Hold jobs (Follow2Print) ✓ Delete unprinted jobs after 2880 ★ minute(s) Print period 00:00 ★ 00:00 €	OK Cancel Help

If automatic deletion of non-fetched Follow2Print jobs by the Mercury OMS software is desired, then the deletion time for these jobs can be set by enabling the option **'Delete unprinted jobs after'** and entering a retention time in minutes in the **'Scheduled printing'** option.

Eigenschaften von GPD I	1apper (Output)		<u>?</u> ×
TCP/IP	Device Assignment	Settings	
Job Monitoring Data	Data Capturing	Spooling Pro	tocol
<none></none>		Configure	
	<u> </u>		
	1		
ОК	Abbrechen	rnehmen Hi	fe

F2P (Global) Output

The F2P (Global) Output Interface forwards GPD-generated print data from another Mercury for Follow2Print output from one Mercury to another on local or remote printing systems.

Eigenschaften von GPD Mapper (Output)	<u>? ×</u> E	genschaften von GPD Mapper (Output)	? ×
Job Monitoring Data Data Capturing Spooling TCP/IP Device Assignment S	Protocol Settings	Job Monitoring Data Data Capturing Spool TCP/IP Device Assignment	ing Protocol Settings
Addresses Addresses Bind to IP address: TCP-Port: 9100 Default remote address: Connect timeout: 5 Sec Linger timeout: sec Image: Do not connect to a device which is in an error state		Device	Add Edit, Delete Move Up Move Down
(requires SNMP device monitoring)		Redirect after 0 seconds, if the output device is Redirect © Complete job © Missing pages after minutes without print activity	busy
OK Abbrechen Übernehmen	Hilfe	OK Abbrechen Übernehmer	Hilfe
Eigenschaften von GPD Mapper (Output) Job Monitoring Data TCP/IP Device Assignment Settings Description: 22P (Global) Output: Buffer Read block size: TExecute command after printing		Eigenschaften von GPD Mapper (Output) TCP/IP Device Assignment Job Monitoring Data Job Monitoring Data Active (page confirmation by PJL) Page notification © Job notification Display job inf SNMP device monitoring minutes after last ou SNMP device continuously Stop monitoring Stop monitoring minutes after last ou SNMP community: public Port: 1	? X Settings Protocol iormation
OK Abbrechen Übernehmen Hill	fe	OK Abbrechen Übernehmen	Hilfe

	Device Assignment	Se	ettings	 TCP/IP	D	evice Assignment	S	ettings
Monitoring Data Post Processia PS Remapped Data encrypti Compress Compress Method: Password Send job i (only supp Strip PJL f	ata Data Capturing	Configure	Protocol	Monitoring Inverted dat Active © Withou © Withou 99 → 1720 → Add job	Data ta capturing ut protocol dat Yaximum fil Yaximum hi Yaximum ho so keep name to ca	Data Capturing	Spooling	J Pro

jenschaften vo	n GPD Mapper (Output)	?>
TCP/IP Job Monitoring	Device Assignment	Settings Spooling Protocol
Spool directory	:	
C:\ProgramDa	ita\docuFORM\Mercury\SPOOL	\1\PORT8\
🔽 Retry if bus	W.	
after	15 sec with dynamic increa	ise 🔻
Process at i	most 1 jobs concurrently	
	non of job sequence it application	115
Compress s	puur nes	r monlad
Concolliobu	ng, evenni job is not completer; na aviat avvar	/ sponed
	ve jobs arter unexpected resta	rc
Scheduled p	printing/Hollow2Print	bettings
Keep spoole	ed jobs after printing	
for	hours minute	BS
	at the jobs	
OI	K Abbrechen Übe	ernehmen Hilfe

Eigenschaften v	on GPD I	1apper (Outpu	ıt)		<u>?</u> ×
TCP/IP Job Monitoring	 Data	Device Assignm	nent uring	Spooling	ettings Protocol
<none></none>			Ţ	Configure	
Jenones				Conniguro	
(Ж	Abbrechen	Überr	ehmen	Hilfe

? ×

F2P TLS Hold Queue

The F2P Hold Queue GPD Mapper Output Interface encrypts the GPD-generated print data for the Follow2Print output on local or remote printing systems.

nschaften von GPD Mapper [IPP] (Output)	Eigenschaften von GPD Mapper [IPP] (Output)
b Monitoring Data Data Capturing Spooling Protocol IPP Device Assignment Settings	Job Monitoring Data Data Capturing Spooling Protoc IPP Device Assignment Settings
	Device Add
Connect timeout: 10 🚖 sec	Edit,
Verify remote certificate	Delete
(requires SNMP device monitoring)	Move Up
	Move Down
	Method: Pages: Count:
	Redirect after seconds, if the output device is busy
	🗖 Redirect 📧 Complete job
	C Missing pages
	after minutes without print activity
OK Abbrechen Übernehmen Hilfe	OK Abbrechen Übernehmen Hilfe
Eigenschaften von GPD Mapper [IPP] (Output)	Eigenschaften von GPD Mapper [IPP] (Output)
IPP Device Assignment Settings	Job Monitoring Data Data Capturing Spooling Protocol
Description: F2P TLS Hold-Queue	
Buffer Read block size: 32 KB	Active, if supported (no page confirmation)
Execute command after printing	
OK Abbrechen Übernehmen Hilfe	OK Abbrechen Übernehmen Hilfe

Eigenschaften von GPD Mapper [IPP] (Output)						
IPP Device Assignment Settings						
Job Monitoring Data Data Capturing Spooling Protocol						
I Active						
Spool directory:						
C:\ProgramData\docuFORM\Mercury\SPOOL\1\PORT6\						
Retry if busy						
after 15 sec with dynamic increase						
Process at most jobs concurrently						
Allow alteration of job sequence if applicable						
Compress spool files						
Start printing, even if job is not completely spooled						
Cancel job on print error						
Delete active jobs after unexpected restart						
Scheduled printing/Follow2Print Settings						
Keep spooled jobs after printing						
for hours minutes						
at the jobs						
OK Abbrechen Übernehmen Hilfe						

Scheduled Printing	<u>?</u> ×
Delayed printing Do not delay printing Delay printing until 22.10.2018 Delay printing for Delay printing for	OK Cancel Help
 i minute(s) i second(s) i Hold jobs (Follow2Print) Delete unprinted jobs after i minute(s) 	
Print period 00:00 7 00:00 7	

igenschaften von	GPD Mapper [I	PP] (Output)		? ×
IPP	Device As	signment	Settings	
Job Monitoring	Data Data	Capturing Spo	ooling Proto	col
<none></none>		C	onfigure	
ОК	Abbrech	en Übernehm	nen Hilfe	
Eigenschaften von GPD Mapper [IPP] (Output) ? X	Eigenschaften von GPD Mapper [IPP] (Output)			
--	---			
IPP Device Assignment Settings Job Monitoring Data Data Capturing Spooling Protocol	IPP Device Assignment Settings Job Monitoring Data Data Capturing Spooling Protocol			
Post Processing PS Remapper Configure Send job information within data stream (only supported by Mercury input ports)	Converted data capturing Active Without protocol data With protocol data 99 Maximum files to capture (MB) 720 Maximum hours to keep Add job name to captured filename			
OK Abbrechen Übernehmen Hilfe	OK Abbrechen Übernehmen Hilfe			

Standard TLS Output

The GPD Mapper Output Interface for the 'Standard Output' sends the encrypted print documents generated by the Global Printer Driver (GPD) directly to the print system locally connected to the Mercury OMS system.

Eigenschaften von GPD Mapper [IPP] (Output)
Job Monitoring Data Data Capturing Spooling Protocol IPP Device Assignment Settings
Connect timeout:
Venty remote certificate
(requires SNMP device monitoring)
OK Abbrechen Übernehmen Hilfe

IPP D	evice Assignment	Settings
Device		Add
		Edit
		Delete
		Move Up
		Move Down
Redirect after 0 se	conds, if the output	device is busy
Redirect © Compl	ete job 1 pages	
	s without print activit	.v
after minute	s without print activit	

Eigenschaften von GPD Mapper [IPP] (Output)	Eigenschaften von GPD Mapper [IPP] (Output)
Job Monitoring Data Data Capturing Spooling Protocol IPP Device Assignment Settings	IPP Device Assignment Settings Job Monitoring Data Data Capturing Spooling Protocol
Description: Standard TLS Output Buffer Read block size: 32 KB	Active, if supported (no page confirmation)
Execute command after printing	
OK Abbrechen Übernehmen Hilfe	OK Abbrechen Übernehmen Hilfe



Eigenschaften von GPD Mapper [IPP] (Output)	Eigenschaften von GPD Mapper [IPP] (Output)
IPP Device Assignment Settings Job Monitoring Data Data Capturing Spooling Protocol	IPP Device Assignment Settings Job Monitoring Data Data Capturing Spooling Protocol
Active	
Spool directory:	<pre></pre> Configure
C:\ProgramData\docuFORM\Mercury\SPOOL\1\PORT5\	
Retry if busy	
after 15 sec with dynamic increase	
Process at most jobs concurrently	
Allow alteration of job sequence if applicable	
Compress spool files	
Start printing, even if job is not completely spooled	
Cancel job on print error	
Delete active jobs after unexpected restart	
Scheduled printing/Follow2Print Settings	
Keep spooled jobs after printing	
For hours minutes	
at the jobs	
OK Abbrechen Übernehmen Hilfe	OK Abbrechen Übernehmen Hilfe

F2P (Global) TLS Output

The F2P (Global) Output Interface routes the print data generated by the GPD encrypted by another Mercury for Follow2Print output from one Mercury to another on local or remote printing systems.

IPP Device Assignment Settings	Job Monitoring Data Data Capturing Spooling Protocol IPP Device Assignment Settings
Connect timeout: 10 🚖 sec 2 Verify remote certificate	Device Add Edit Delete
(requires SNMP device monitoring)	Move Up Move Down Method: Pages: Count: Use only if error occurred V
	Error handling Redirect after seconds, if the output device is busy Redirect @ Complete job
	after minutes without print activity

Eigenschaften von GPD Mapper [IPP] (Output)	? ×
Job Monitoring Data Data Capturing Spooling P IPP Device Assignment Setting	rotocol gs
Description: F2P (Global) TLS Output	
Read block size: 32 KB	
Execute command after printing	
OK Abbrechen Übernehmen	Hilfe

IPP Device Assignment Settings Job Monitoring Data Data Capturing Spooling Protocol Image: Active, if supported (no page confirmation) Image: Active and Ac	Eigenschaften von	GPD Mapper [IPP] (Output)	<u>? ×</u>
Job Monitoring Data Data Capturing Spooling Protocol	IPP	Device Assignment	Settings
Active, if supported (no page confirmation)	Job Monitoring	Data Data Capturing Spooling] Protocol
	Active, if su	upported (no page confirmation)	
OK Abbrachan Übernehmen Hilfe		Abbrechen	Hilfe

Eigenschaften vo	n GPD Maj	pper [IPP] (Outpu	ıt)	<u>?×</u>
IPP) De	vice Assignment	Se	ttings
Job Monitoring	Data	Data Capturing	Spooling	Protocol
Post Proc	essing -			- II
PS Rem	apper		Configure	
Send	job informa	ation within data str	eam	
(only	supported	by Mercury Input po	n us j	
0	< /	Abbrechen Übe	mehmen	Hilfe



Eigenschaften von GPD Mapper [IPP] (Output)	Eigenschaften von GPD Mapper [IPP] (Output)	<u>? ×</u>
IPP Device Assignment Settings Job Monitoring Data Data Capturing Spooling Protocol	IPP Device Assignment Settings Job Monitoring Data Data Capturing Spooling Protoc	 loc
Active Spool directory: C:\ProgramData\docuFORM\Mercury\SPOOL\1\PORT7\ , Retry if busy after. 15 sec with dynamic increase	<pre></pre> Configure	
 Process at most 1 jobs concurrently Allow alteration of job sequence if applicable Compress spool files Start printing, even if job is not completely spooled Cancel job on print error 		
Delete active jobs after unexpected restart Scheduled printing/Follow2Print Settings Keep spooled jobs after printing for hours minutes at the jobs		
OK Abbrechen Übernehmen Hilfe	OK Abbrechen Übernehmen Hilfe	

9.6 Setting up the Mercury Logical Printer

From the previously set up Mercury OMS Input Interfaces, emulations, filters and Output Interfaces, the required 13 logical printers can now be defined.

Configuration of Print Process CPD Intranet			Y
Drint Drocese Erit View			<u>^</u>
🗄 🌩 🛨 🗕 ∧ 🗸			
🕞 Input Interfaces 🔛 Emulations and Filters 🥥 Output Interfa	aces 2 Logical Printers		
Input Interface	Condition	Emulation	Output Interface
2 - C:\MSPOOL\PDF_INPUT* [PDF Input (Fie)]	none	4 - PDF Conversion (Postscript Processor)	4 - Email TLS Output (SMTP) - mailsrv.company.net:465 (<email> [</email>
5 - Port 9500 [From remote Mercury (TCP/IP,PJL)]	none	1 - Print from remote Mercury (Raw to Raw)	8 - F2P (Global) Output (GPD Mapper) - Destination delivered by pr
1 - Port 9100 [GPD Input (GPD)]	GPD: PDF by email	4 - PDF Conversion (Postscript Processor)	4 - Email TLS Output (SMTP) - mailsrv.company.net:465 (<email> [</email>
1 - Port 9100 [GPD Input (GPD)]	GPD: Follow2Print + PDF by email	6 - Normal + PDF Print (Postscript Processor)	2 - F2P Hold-Queue (GPD Mapper) - ?:9100
1 - Port 9100 [GPD Input (GPD)]	GPD: Follow2Print	5 - Normal Print (Postscript Processor)	2 - F2P Hold-Queue (GPD Mapper) - ?:9100
1 - Port 9100 [GPD Input (GPD)]	GPD: Normal print + PDF by email	6 - Normal + PDF Print (Postscript Processor)	1 - Standard Output (GPD Mapper) - Destination delivered by proto
1 - Port 9100 [GPD Input (GPD)]	GPD: Normal print	5 - Normal Print (Postscript Processor)	1 - Standard Output (GPD Mapper) - Destination delivered b
4 - Port 632 [TLS from remote Mercury (IPP [Server])]	none	1 - Print from remote Mercury (Raw to Raw)	7 - F2P (Global) TLS Output (GPD Mapper [IPP]) - Destination delv
3 - Port 631 [GPD TLS Input (GPD [IPP])]	GPD: PDF by email	4 - PDF Conversion (Postscript Processor)	4 - Email TLS Output (SMTP) - mailsrv.company.net:465 (<email> [</email>
3 - Port 631 [GPD TLS Input (GPD [IPP])]	GPD: Follow2Print + PDF by email	6 - Normal + PDF Print (Postscript Processor)	6 - F2P TLS Hold-Queue (GPD Mapper [IPP]) - :632
3 - Port 631 [GPD TLS Input (GPD [IPP])]	GPD: Follow2Print	5 - Normal Print (Postscript Processor)	6 - F2P TLS Hold-Queue (GPD Mapper [IPP]) - :632
3 - Port 631 [GPD TLS Input (GPD [IPP])]	GPD: Normal print + PDF by email	6 - Normal + PDF Print (Postscript Processor)	5 - Standard TLS Output (GPD Mapper [IPP]) - Destination delivere
3 - Port 631 [GPD TLS Input (GPD [IPP])]	GPD: Normal print	5 - Normal Print (Postscript Processor)	5 - Standard TLS Output (GPD Mapper [IPP]) - Destination delivere
			/

The screenshot of the configuration dialog for *'Logical Printer'* shows the required configuration for each logical printer.

1. Encrypted Logical Printer for generating PDF documents for all configurations in which both printouts and PDF documents are to be created.

Properties of Logical Printer
Input interface
C:\MSPOOL\PDF_INPUT* [PDF Input (File)], ID2
Condition of usage
<none></none>
Emulation
PDF Conversion (Postscript Processor), ID4
Output interface
mailsrv.company.net:465 (<email> [<email>]) [Email TLS Output (5</email></email>
Destination / Device
O Default
O Set by protocol Queue Mapping
O Specific
Use as default printer OK Cancel

2. Follow2Print processing of print data from a remote Mercury OMS server.

Properties of Logical Printer
Input interface
Port 9500 [From remote Mercury (TCP/IP,PJL)], ID5
Condition of usage
<none></none>
Emulation
Print from remote Mercury (Raw to Raw), ID1
Output interface
(Interpretation of the second
Destination / Device
C Default
⊙ Set by protocol Queue Mapping
O Specific
Use as default printer OK Cancel

3. Local processing of Global Printer Driver print data from which only one PDF document is to be created.

Properties of Logical Printer
Input interface
Port 9100 [GPD Input (GPD)], ID1
Condition of usage
GPD output PDF by email
Emulation
PDF Conversion (Postscript Processor), ID4
Output interface
mailsrv.company.net:465 (<email> [<email>]) [Email TLS Output (5</email></email>
Destination / Device
O Default
O Set by protocol Queue Mapping,
O Specific
Use as default printer OK Cancel

4. Follow2Print processing and PDF generation of Global Printer Driver print data.

Properties of Logical Print	er	×
Input interface		
Port 9100 [GPD Input	(GPD)], ID1	-
Condition of usage		
GPD output	Follow2Print + PDF by email	•
Emulation		
Normal + PDF Print (Pe	ostscript Processor), ID6	•
Output interface		
2:9100 [F2P Hold-Que	ue (GPD Mapper)], ID2	•
Destination / Device-		
O Default		
O Set by protocol	Queue Mapping	
C Specific	,	
Use as default printer	OK Cance	1

5. Follow2Print processing without PDF generation of Global Printer Driver print data.

Properties of Logical Printer
Input interface
Port 9100 [GPD Input (GPD)], ID1
Condition of usage
GPD output Follow2Print
Emulation
Normal Print (Postscript Processor), ID5
Output interface
?:9100 [F2P Hold-Queue (GPD Mapper)], ID2
Destination / Device
O Default
O Set by protocol Queue Mapping
C Specific
Use as default printer OK Cancel

6. Direct processing and PDF generation of Global Printer Driver print data.

Properties of Logical Printer	×
Input interface	
Port 9100 [GPD Input (GPD)], ID1	•
Condition of usage	
GPD output Normal print + PDF by email	•
Emulation	
Normal + PDF Print (Postscript Processor), ID6	•
Output interface	
?:9100 [Standard Output (GPD Mapper)], ID1	•
Destination / Device	
O Default	
Set by protocol Queue Mapping	
O Specific	
Use as default printer OK Cance	el

7. Local direct processing without PDF generation of Global Printer Driver print data. This logical printer is labeled as a 'default' processing path that is used whenever the print data cannot be assigned to any of the other defined logical printers.

Properties of Logical Printer
Input interface
Port 9100 [GPD Input (GPD)], ID1
Condition of usage
GPD output 💽 Normal print
Emulation
Normal Print (Postscript Processor), ID5
Output interface
?:9100 [Standard Output (GPD Mapper)], ID1
Destination / Device
O Default
Set by protocol Queue Mapping
C Specific
Use as default printer OK Cancel

8. Encrypted Follow2Print processing of print data from a remote Mercury OMS server.

Properties of Logical Printer
Input interface
Port 632 [TLS from remote Mercury (IPP [Server])], ID4
Condition of usage
<none></none>
Emulation
Print from remote Mercury (Raw to Raw), ID1
Output interface
I:443 [F2P (Global) TLS Output (GPD Mapper [IPP])], ID7
Destination / Device
C Default
⊙ Set by protocol Queue Mapping
O Specific
Use as default printer OK Cancel

9. Encrypted local Processing of Global Printer Driver print data from which only one PDF document is to be created.

Properties of Logical Printer
Input interface
Port 631 [GPD TLS Input (GPD [IPP])], ID3
Condition of usage GPD output PDF by email
Emulation Emulation PDF Conversion (Postscript Processor), ID4
Destination / Device
O Set by protocol Queue Mapping O Specific
Use as default printer OK Cancel

10. Encrypted Follow2Print processing and PDF generation of Global Printer Driver print data.

Properties of Logical Print	ter	×
Input interface		
Port 631 [GPD TLS Inp	out (GPD [IPP])], ID3	•
Condition of usage		
GPD output	Follow2Print + PDF by email	•
Emulation		
Normal + PDF Print (P	ostscript Processor), ID6	•
Output interface		
:632 [F2P TLS Hold-Q	ueue (GPD Mapper [IPP])], ID6	-
Destination / Device-		
O Default		
C Set by protocol	Queue Mapping,	
C Specific		
Use as default printer	OK Cance	9

11. Encrypted Follow2Print processing without PDF generation of Global Printer Driver print data.

Properties of Logical Printer
Input interface
Port 631 [GPD TLS Input (GPD [IPP])], ID3
Condition of usage
GPD output 💌 Follow2Print 💌
Emulation
Normal Print (Postscript Processor), ID5
Output interface
I:632 [F2P TLS Hold-Queue (GPD Mapper [IPP])], ID6
Destination / Device
⊙ Default
C Set by protocol Queue Mapping
C Specific
Use as default printer OK Cancel

12. Encrypted direct processing and PDF generation of Global Printer Driver print data.

Properties of Logical Printer
Input interface
Port 631 [GPD TLS Input (GPD [IPP])], ID3
Condition of usage
GPD output Normal print + PDF by email
Emulation
Normal + PDE Print (Postscript Processor), ID6
Output interface
1:443 [Standard TLS Output (GPD Mapper [IPP])], ID5
Destination / Device
O Default
Set by protocol Queue Mapping
C Specific
Use as default printer OK Cancel

13. Encrypted local direct processing without PDF generation of Global Printer Driver print data.

Properties of Logical Printer X
Input interface
Port 631 [GPD TLS Input (GPD [IPP])], ID3
Condition of usage GPD output INormal print I
Emulation
Normal Print (Postscript Processor), ID5
Output interface
:443 [Standard TLS Output (GPD Mapper [IPP])], ID5
Destination / Device
C Default
Set by protocol Queue Mapping
O Specific
Use as default printer OK Cancel

10 Setting up encrypted printing

The launch of docuFORM Mercury V10 will coincide with the coming into force of the new European Data Protection Regulation GDPR. In addition to encrypting personalized data, Mercury V10 now also encrypts and transmits all print data itself, from creation to output, in the network, and finally decodes and outputs it in the printing system itself. By using the IPPS transmission protocol, docuFORM Mercury dispenses with any hardware additions, all the way to the output device. It can therefore be said to be a true end "2" end encryption.

Mercury V10 can work independently with individual encryption certificates. The entire system can also be fully integrated into a company's certificate policy. As part of the manufacturer-independent follow "2" print solution, Mercury V10 also guarantees end-to-end encryption of all print data.

If the user opts for an encrypted print, this is also carried out completely. The user is prompted to output to a corresponding IPPS-capable device. If they authenticate themselves to an encryption-free device, the print data remains secure and cannot be output on it, thus ensuring consistent encryption and data security.

Of course, the same functionality is also guaranteed when using the Mercury Global Printer Driver (GPD). End "2" end encryption is guaranteed at all times both for direct printing, as well as within the GPD follow "2" print workflow. The user can fully enjoy the ease of use of the Mercury GPD, whereby the encryption options for each individual device are visually and interactively offered to them.

All Mercury field installations can be upgraded to Mercury V10. In addition, the newly developed Mercury IPPS Transfer Module is required for end "2" end encryption. The certificate management complies with Microsoft specifications and can be individually configured within the scope of the respective installation.

The following is an example of how to create an encrypted IPPS workflow in the Mercury V10 software without data conversion.

10.1 Preparation of the end devices

Before you start installing the encrypted workflow in Mercury V10, you should prepare your printer or MFP. First, the SSL / TLS encryption should be activated on the printer and the corresponding certificates should be installed on the system. Please proceed as described by following the individual manufacturer instructions. These can be found under the respective manufacturer on the homepage. Note also, the printer driver must be configured accordingly - it is important to select a shared printer by name and then enter in the URL field: "http: // IP address of the device / ipp" (where "IP address of the device" stands for the IP address of the device or the node name). Be sure to enter "https: //" and not "http: //" as printing over IPP is not secure. Again, proceed exactly according to the instructions of the respective manufacturer.

10.2 Activation of TLS / SSL in server options

To activate the TLS / SSL encryption, select the entry 'Server' within the menu 'Setup'.

Mercury (Default - Administrator)	
Print Process F7 Server	docuFORM - Mercury 10.0 Licensed to Michael Deck / docuFORM GmbH
Print process	
Active Jobs Printed Jobs	Job <u>P</u> roperties
Name	Status ConvPrinted Size Desti Cre Ready, waiting for jobs
_	
<u>E</u> vent Log	
Type Date/Time From	Code Event
Inf 19.07.2018 10:25:37.0 Server	S110055 Client (V10.0) from 192.108.2.127 (192.108.2.127) connected as administr Mercury Server Service 10.0 (25.05.2018 12:34:34 UTC)
Inf 19.07.2018 10:25:37.0 Server	Registered user: Michael Deck
Inf 19.07.2018 10:25:37,0 Server	Registered company: docuFORM GmbH
Inf 19.07.2018 10:25:37,0 Server	License activated. License will expire 30.11.2018
<u> </u>	
	Highlight:

General: The host name entered in the *"Server Hostname"* field must correspond with the host name entered in the certificate used.

Server Options				
Advanced	Γ E	SM Server	Acc	ounting
General Se	ecurity	Logging	E-Mail N	Notification
Connectivity Server IP address: Server Hostname: mercury,docuform. Netbios / Cluster nat Resolve IP addre Logical Printers	de me: esses or fin	SNN SNN d host names usir er start after a de	TCP port	49110 10 sec 5 sec 10 sec
Database Data source do	onding Logi	cal Printers		<u> </u>
User name Password				_
L				

Server option	.			
Advanced		FSM Server	Accounting	
General	Security	Logging	E-Mail Notification	
Passwords				-
Administrato	r		Set	
Operato	, 			
operato	'			
Gues	t		Set	
Operator Pormi	ssions			
	ssions			
Start/stop	Logical Printers	View jot	DS	
Redirect jobs				
Strict Secure	Print			
Enable TLS/S	SL			
TLS/St "no	s (Server)			-
Certificate:	•			
Mercury.docuf	orm.de			
, Check Cer	tificate	[
Check Cel	uncatern			
Allow insecu	ire connections	1		
TI C/CCL Cotting	(Client)			
LS/SSL Setting	s (client)			
Trust all cer	tificates (not re	commended)		1
				1

Check the box "Enable TLS / SSL" under Security.

In the input field 'Certificate' of the "TLS / SSL Settings (Server)" area the certificate is stored which is used for encrypted communication. The certificate must exist in the Windows certificate store. The specified text is searched for in the subject of the certificate (for example, CN name).

Next, click "Check Certificate" to check the certificate. The specified certificate is searched for in the Windows certificate store. If found, information about the certificate, such as serial number or expiration date, is displayed. If the certificate was not found, a self-signed certificate can be created and added to the Windows certificate store. The message 'Certificate not found' appears and asks if you want to create a certificate.



You have two options to create a certificate: with or without a private key.

Generate Certificate	×
Create certificate in store and export without private key	
C Create certificate in store and export with private key	
Password for private key:	
Verify password:	
OK Cancel	

Certificate files in various formats are also stored in the SSL subdirectory of the Mercury ProgramData directory. If the private key of the generated certificate is to be stored in a keyfile, a passphrase must be specified.

By confirming with OK you will receive the following message:



You now have the option to accept unencrypted connections under "Allow insecure connections". However, this is only recommended when using card reader / printer apps that do not support TLS / SSL encryption.

Advanced) F	SM Server	Accounting
General	Security	Logging	E-Mail Notification
Passwords			
Administrator			Set
Operator			Set
Guest	:		Set
Start/stop L Redirect job	ogical Printers os Print	🔽 View job	s obs
Enable TLS/SS	L s (Server)		
Enable TLS/SS TLS/SSL Settings Certificate: Mercury.docufo	L s (Server) rm.de		
 Enable TLS/SS TLS/SSL Setting: Certificate: Mercury.docufo Check Cert ✓ Allow insecur TLS/SSL Settings Trust all cert 	L s (Server) ifficate re connections s (Client) ifficates (not rec	commended)	

The final checkbox is "Trust all certificates" option. It is not recommended to enable this as it disables the certificate validity check for all certificates. Use this option only to achieve TLS / SSL encrypted communication without checking the validity of the server certificate.

Server Options	>
Advanced FSM Server	Accounting
General Security Logging	E-Mail Notification
Passwords	
Administrator	Set
Operator	Set
Guest	Set
Start/stop Logical Printers	s
V Redirect jobs	DDS
Strict Secure Print	
Enable TLS/SSL	
TLS/SSL Settings (Server)	
Certificate:	
Mercury.docuform.de	
Check Certificate	
Allow insecure connections	
TLS/SSL Settings (Client)	
▼ Trust all certificates (not recommended)	
	OK Cancel

Configure the other options as required:

<u>Strict Secure Print:</u> If this option is activated, encrypted transmitted print data will only be output to printers that support encryption - i.e. the entire transmission path is encrypted.

<u>Allow insecure Connections</u>: If this option is activated, insecure connections will also be allowed on the XML-RPC server, which is responsible, among other things, for communicating with card readers and printer apps. This may be necessary in environments with older apps and card readers that do not support secure connections.

<u>*Trust all certificates*</u>: This affects all outgoing connections, e.g. For example, TLS connections (ipps) to printing systems or communication with other Mercury systems. If this option is activated, the authenticity of the certificate is not checked. Activation of this option is not recommended!

Advanced: Configure here the IP address of the FSM server, and optionally the IP address of the index server.