

# **Formpipe.** Lasernet

Lasernet 9 Monitor

Lasernet 9 – Monitor [Revision 2 – May 2019]
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# 1.1 Who Should Use This Guide

This guide is written for the Lasernet system administrator. It explains how to use the Lasernet Monitor application.

# **2** TERMS OF USE

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### 3.1 Purpose

The Lasernet Monitor can be used by system administrators to determine the status of the processes and forms flow within the Lasernet Server. It can also be used for maintenance tasks such as starting or stopping the service and retrying failed jobs.

## 3.2 Working with Lasernet Monitor

Log processed by the Lasernet 9 service can be viewed in the monitor window. This can either be the live log for jobs currently being processed, or log data which has been saved to disc for older jobs that have already been processed.

		Las	ernet Monitor 9	
<u>F</u> ile <u>C</u> olumns F <u>i</u> lter <u>L</u> og <u>T</u> o	ols <u>V</u> iew <u>H</u> elp			
			(D.)	
😈 Add 斗 Edit 🤤 Remo	ove Open	Save Clear Start Service	Stop Service C, J Rel	oad Log
Servers A	Q Search:		Filter	
Default (FP-BB-TOPE:3279)	-			
	Type	1ime Module	Inread Jobi	D Message
	Tebug	2018-08-30 16:11:37.402 Form - ERP Forms	10836	Public inserted; FK_JOD=369811 FK_JOD_Public=369808
	Jobinto	2018-08-30 16:11:37.402 Form - ERP Forms	10836	Set Jobin+o Detailin+ormation[0] = C:\Lasernet\input\Sales invoice.xm
	Jobinfo	2018-08-30 16:11:37.402 Form - ERP Forms	10836	Set Jobinto SheetName[0] = invoice
	Job	2018-08-30 16:11:37.402 Form - ERP Forms	10836	Creating reference printer DC for sheet 1
	Job	2018-08-30 16:11:37.402 Form - ERP Forms	10836	Analyzing sheet 1
	* Debug	2018-08-30 16:11:37.418 Form - ERP Forms	10836	Create Reference PrinterDC Lasernet Reference Printer
	III JobInfo	2018-08-30 16:11:37.418 Form - ERP Forms	10836	Set JobInfo DBNumber[0] = 100148
	🛗 JobInfo	2018-08-30 16:11:37.418 Form - ERP Forms	10836	Set JobInfo DBName[0] = Sparrow Wholesales
	III JobInfo	2018-08-30 16:11:37.418 Form - ERP Forms	10836	Set JobInfo DBId[0] = 1201
	🔠 JobInfo	2018-08-30 16:11:37.418 Form - ERP Forms	10836	Set JobInfo DBDate[0] = 19-01-2016
	🔠 JobInfo	2018-08-30 16:11:37.652 Form - ERP Forms	10836	Set JobInfo NumberOfPages[0] = 1
	🔠 JobInfo	2018-08-30 16:11:37.652 Form - ERP Forms	10836	Set JobInfo CurrentPage[0] = 1
	i Job	2018-08-30 16:11:37.668 Form - ERP Forms	10836	Number of pages generated from sheet: 1
	🧰 Јор	2018-08-30 16:11:37.668 Form - ERP Forms	10836	Printing page 1
	i Job	2018-08-30 16:11:37.668 Form - ERP Forms	10836	Form print done.
	🖽 JobInfo	2018-08-30 16:11:37.668 Form - ERP Forms	10836	Set JobInfo DataFormat[0] = EMF
	i Job	2018-08-30 16:11:37.668 Form - ERP Forms	10836	Sheet end: Running modifier 'Set PDF Extension'
	II JobInfo	2018-08-30 16:11:37.668 Form - ERP Forms	10836	Set JobInfo Extension[0] = [binary data (4)]
	i Job	2018-08-30 16:11:37.668 Form - ERP Forms	10836	Applying post-processing module jobinfos to FP_BB_TOPE_ERP_FORMS_6D7F
=	💼 Јор	2018-08-30 16:11:37.668 Form - ERP Forms	10836	Passing job FP_BB_TOPE_ERP_FORMS_6D7F6E57_2FF0_43D4_A6A5_3FCB19ABFF00
Live Log	👔 Debug	2018-08-30 16:11:37.668 Form - ERP Forms	10836	Public inserted; FK_Job=369812 FK_Job_Public=369808
Log File	Dob	2018-08-30 16:11:37.668 File Output - PD	F Archi 10836	Applying pre-processing module jobinfos to FP BB TOPE PDF ARCHIVE AD2
	II JobInfo	2018-08-30 16:11:37.668 File Output - PD	F Archi 10836	Set JobInfo FileName[0] = FP_BB_TOPE_PDF_ARCHIVE_AD2E0ECF 4D29 4D3A E
	i Job	2018-08-30 16:11:37.668 File Output - PD	F Archi 10836	Writing jobs to file C:\Lasernet\Output\FP BB TOPE PDF ARCHIVE AD2E0E
Grab	4			
				P

#### **Monitoring servers**

From the Lasernet Monitor you can connect to Lasernet servers in your local network. Communication between the monitor and the Lasernet services is established via a standard TCP/IP connection on the port number defined in the General server settings of the Lasernet Developer. More information about server settings is available in the Lasernet Developer Manual.

Default Properties								
<b>•••</b>			-	×	2			
General Grab	Database	Logger	Master Printer	Failover	Client	Server JobInfos		
Server:		FP-BB	-TOPE					Default
Port:		3279	-					
Instance:		Defau	lt					

Screenshot of server settings taken from Lasernet Developer.

If the monitor is installed on a different computer to that of the Lasernet service, please check that your server firewall settings will allow the monitor to connect to the service via the defined port number.

In the servers list you can establish connections to more than one Lasernet server/instance, by adding further server names to the list.

The Live log will only be listed for the server which is marked in the list.

#### Server status

Each server is shown as: InstanceName (ServerName:PortNumber)

The server status is represented by a colored symbol next to the server name.



#### Service is not running

- E Service is running, but configration is not loaded. Common reasons are:
  - 1) Service is started without a configuration
  - 2) Cannot load a valid configuration
  - 3) Processing not started because server is part of failover setup



To read more about single or multiple instances/servers, server names, instance names and port numbers please read the Lasernet Developer Manual.

#### Configuring the log

The Lasernet Developer allows you to set the options for where the log files are stored on the server as well as settings for the number of log files to be saved, file sizes and log event types.



Log data can be used for debugging, error handling, job tracing etc. You can customize the log events you want to monitor and save, which can reduce the number of log lines saved to file and shown in the monitor window.



You can also create your own log messages and levels from script. More info about the logger class is available in the Scripting manual.

The logger class supports a list of predefined log numbers or you can create a range from 100 and above for your own personal use.

EID\_SYSTEM = 0 EID\_DEBUG = 1 EID\_ERROR = 2 EID\_JOB = 10

Values below 100 are reserved for future use, but values from 100 and above may be used for any custom message you want.

logger.logEvent(EID\_DEBUG, 'The value is now: ' + job.getJobInfo('value'));

logger.logEvent(999, 'My custom message');

In the logger settings, defined in the Lasernet Developer, you can turn an event ID higher than a defined number on or off via the setting "Max ID to log". This is very convenient in a live/test environment, where user defined logs are mostly used for testing.

#### 3.2.1 Menu bar options

File

This menu option makes it possible to manage the list of monitored servers, open and save log files and exit the Monitor.

<u>F</u> ile	<u>C</u> olumns	F <u>i</u> lter	<u>L</u> og	<u>T</u> ools
0	<u>A</u> dd			
*	<u>E</u> dit			- 1
•	<u>R</u> emove			
	<u>O</u> pen		Ct	rl+O
	Save			- 1
8	Exit			

More info about these options can be found in the section about the Toolbar options.

#### Columns

This option makes it possible to select the columns to be displayed in the live log.



Filter

This option makes it possible to filter log records according to their types.



These settings will only affect the log event lines which are listed in the logger window. The filtered log events will still be received by the monitor, but will be hidden. Turning off the filter log will show all log events created after the filter was turned off.



Log

This option contains the command to clear the live log.



#### Tools

These options make it possible to start/stop the Lasernet service and turn grab mode on/off remotely.



More info about Start/Stop Service and Start/Stop Grab functionality can be found in the section about the Toolbar options.

In the Options menu the setting for maximum number of log lines is defined. By increasing this value you will be able to view older log lines, but it will affect (increase) loading times when opening stored log files from disc.

Or General	itions	×
Maximum number of log lines: Grab poll interval:	10000 : 5 :	second(s).
[	Qk	Cancel

The other options on this menu item are intended for Lasernet developers and are outside the scope of this document.

#### View

This menu option makes it possible to select what is displayed in the Monitor window.



#### Help

This option redirects to the Lasernet site as well as showing information about the current Lasernet version.





#### 3.2.2 Toolbar options

🖸 Add 🎄 Edit 🤤 Remove 📄 Open 💾 Save 🧮 Clear 🕨 Start Service 📕 Stop Service 💭 Reload Log

#### Add

This command adds a server to the list of monitored servers.

		Server	×
Server:	FP-88-TOPE		
Port:	3279 🗘		
Instance:	Default		
		OK	Cancel

Name: The name of the server to be displayed in the Monitor window.

Server: The domain name or IP address of the computer on which the server is installed.

#### Edit

This command edits the list of servers.

		Server	×
<u>S</u> erver: <u>P</u> ort:	FP-88-TOPE		
_ Instance:	Default		
		ОК	Cancel
			Caricei

#### Remove

This command removes a server from the list of monitored servers.



#### Open

This command opens a log file in the log file window.

🏬 l 💽 🚺 = l		Default			 ×
File Home Share	View				~ 🕐
⋲ 🌛 🝷 🕇 퉬 « Win	dows (C:) → ProgramData → Formpipe Software	e → Lasernet 9 → Service → Default	V 🖒 Sea	rch Default	P
Desktop ^	Name	Date modified	Туре	Lasernet.Inlog	
Documents	🔀 Service.Inconfig	30-08-2018 16:11	LNCONFIG File	LNLOG File	
Jownioads	Lasernet.Inlog	30-08-2018 16:11	LNLOG File	Although	
Distures	Lasernet.license	18-04-2018 17:26	LICENSE File		
Videos	ConfigServer.json	20-07-2018 13:05	JSON File		
Windows (C)	퉬 Temp	14-06-2018 13:12	File folder		
DBIVERS	3 Scheduler	19-06-2018 10:18	File folder 💙		
13 items 1 item selected 7	<		>		

#### Save

This command saves the current log file.



#### Clear

Clears live log from view.

#### **Start Service**

This command starts the Lasernet service.



The monitor does not have to run on the same computer as the Lasernet service to start it.

If the service is already running, the Monitor displays the message:



Starting the Lasernet service from the Monitor has same effect as starting it from the Windows Services panel.

0,			Services				 ×
File	Action View	v Help					
-	Image: A state of the state	Q 🗟 🛛 🖬 🕨 🔲 🕪					
🔍 S	ervices (Local)	Name	Description	Status	Startup Type	Log On As	^
		🛸 Lasernet 9 (Default:3279)		Running	Automatic	Local System	
		🖓 Lasernet 9 (Dev:3281)			Manual	Local System	
		🖓 Lasernet 9 (Prod:3280)			Manual	Local System	
		🖓 Lasernet Config 9	This service manages all La	Running	Automatic	Local System	
		🖏 Lasernet Dictionary 9 (Demo:8080)		Running	Manual	Local System	
		端 Lasernet Meta Proxy 9	Allows multiple Meta insta	Running	Automatic	Local System	
		🔍 Lasernet Portal 9	The Lasernet Portal service	Running	Automatic	Local System	
		端 Lasernet Print Capture 9	The Lasernet Print Capture	Running	Automatic	Local System	
							 ~
		Extended Standard					

#### **Stop Service**

This command stops the Lasernet service.



The monitor does not have to run on the same computer as the Lasernet service to stop it.

Stopping the Lasernet service from the Monitor has same effect as stopping it from the Windows Services panel.

		Services				 ×
File Action View	v Help					
	a 🗟 🚺 🖬 🕨 🖩 🖬 🕨					
🏩 Services (Local)	Name	Description	Status	Startup Type	Log On As	^
	🛸 Lasernet 9 (Default:3279)		Running	Automatic	Local System	
	🖓 Lasernet 9 (Dev:3281)			Manual	Local System	
	🖓 Lasernet 9 (Prod:3280)			Manual	Local System	
	🖏 Lasernet Config 9	This service manages all La	Running	Automatic	Local System	
	🖏 Lasernet Dictionary 9 (Demo:8080)		Running	Manual	Local System	
	端 Lasernet Meta Proxy 9	Allows multiple Meta insta	Running	Automatic	Local System	
	🔍 Lasernet Portal 9	The Lasernet Portal service	Running	Automatic	Local System	
	🖓 Lasernet Print Capture 9	The Lasernet Print Capture	Running	Automatic	Local System	
						~
	Extended & Standard					_

If the service has been stopped successfully, the Monitor displays the message:



#### **Reload Log**

This command refreshes the log.

#### 3.2.3 Tools in the log window

		Lasernet Monitor 9	- 🗆 X
<u>File Columns Filter Log Too</u>	ols <u>V</u> iew <u>H</u> elp		
🕒 Add 🏟 Edit 😑 Remo	ve 📄 Open	Save Glear Start Service Stop Service 🖓 Reload	log
Servers  Default (FP-BB-TOPE:3279)	Q Search:	▼ ▼ Filter	
	Туре	me Module Thread	JobID Message
	🛗 JobInfo	018-08-30 17:04:40.301 File Input Worker - XML Input 10836	Set JobInfo FileLastModified[0] = 2016-06-09 20:59:00.5
	🔠 JobInfo	018-08-30 17:04:40.301 File Input Worker - XML Input 10836	Set JobInfo FileCreated[0] = 2018-08-30 17:04:39.582
	🔠 JobInfo	018-08-30 17:04:40.301 File Input Worker - XML Input 10836	Set JobInfo FileLastRead[0] = 2018-08-30 17:04:39.582
	🔠 JobInfo	018-08-30 17:04:40.301 File Input Worker - XML Input 10836	Set JobInfo DefaultPrinter[0] =
	🔠 JobInfo	018-08-30 17:04:40.301 File Input Worker - XML Input 10836	Set JobInfo Default[0] =
	🔠 JobInfo	018-08-30 17:04:40.301 File Input Worker - XML Input 10836	Set JobInfo MatchedMask[0] = *.xml
	🔠 JobInfo	018-08-30 17:04:40.301 File Input Worker - XML Input 10836	Set JobInfo Filepath[0] = C:\Lasernet\Input
	🔠 JobInfo	018-08-30 17:04:40.301 File Input Worker - XML Input 10836	Set JobInfo FileRootPath[0] = C:\Lasernet\Input
	🔠 JobInfo	018-08-30 17:04:40.301 File Input Worker - XML Input 10836	Set JobInfo FileRelativePath[0] =
	🔠 JobInfo	018-08-30 17:04:40.301 File Input Worker - XML Input 10836	Set JobInfo Filename[0] = Sales Invoice.xml
	🔠 JobInfo	018-08-30 17:04:40.301 File Input Worker - XML Input 10836	<pre>Set JobInfo FullFilename[0] = C:\Lasernet\Input\Sales I</pre>
	🔠 JobInfo	018-08-30 17:04:40.301 File Input Worker - XML Input 10836	Set JobInfo Filesize[0] = 7763
	🔠 JobInfo	018-08-30 17:04:40.301 File Input Worker - XML Input 10836	<pre>Set JobInfo DetailInformation[01 = C:\Lasernet\Input\Sa</pre>
	🗰 JobInfo	018-08-30 17:04:40.301 File Input Worker - XML Input 10836	Set JobInfo Extension[0] Filter on this
	🗰 JobInfo	018-08-30 17:04:40.301 File Input Worker - XML Input 10836	Set JobInfo FilenameWith Don't filter on this ice
	🧰 Јов	018-08-30 17:04:40.301 File Input Worker - XML Input 10836	Applying post-processing Clearfilter BB_TOPE_
	ia Job	018-08-30 17:04:40.301 File Input Worker - XML Input 10836	Passing job FP_BB_TOPE_X Copy message _4D1B_96E
	💓 Debug	018-08-30 17:04:40.317 File Input Worker - XML Input 10836	Public inserted; FK_Job= Clearlon 59813
	🧰 Јов	018-08-30 17:04:40.317 Form - ERP Forms 10836	Applying pre-processing module jobintos to FP_BB_TOPE_E
	🗰 JobInfo	018-08-30 17:04:40.317 Form - ERP Forms 10836	<pre>Set JobInfo SpoolJobID[0] = FP_BB_TOPE_ERP_Forms_153564</pre>
📒 Live Log	💓 Debug	018-08-30 17:04:40.317 Form - ERP Forms 10836	Searching for EMF header
	Debug	018-08-30 17:04:40.317 Form - ERP Forms 10836	No EMF header was found.
Log File	System	018-08-30 17:04:40.317 Form - ERP Forms 10836	Loading form Sales Invoice (Dynamic) from disk
	🔠 JobInfo	018-08-30 17:04:40.442 Form - ERP Forms 10836	Set JobInfo FormType[0] = Economic
	🔛 JobInfo	018-08-30 17:04:40.442 Form - ERP Forms 10836	Set JobInfo RecognizedForm[0] = Sales Invoice (Dynamic) 🗸
Grab	4		•

#### Filter on this

You can right click on any line and column and press "Filter on this". Only lines which contain an exact match in the selected column will be listed in the log window.

You can continue selecting new columns to reduce the number of matched lines.

#### Don't filter on this

For stopping filtering on match strings, you can right click on a column, which contain a match and click "Don't filter on this". For columns where filtering is not activated, the "Don't filter on this" feature will be grayed out.

#### **Clear filter**

By right clicking on a log line, "Clear filter" can clear all the activated filters. All log lines thereafter will be listed.

#### Copy message

By right clicking on a log line, the message can be copied to the clipboard. Only one line can be selected and copied at the same time.

#### **Clear log**

Clear the currently viewed live log.

#### 3.2.4 Live Log

The Live Log tab displays the current log stored in memory.

		Lasernet Monitor 9 - 🗆	×
<u>F</u> ile <u>C</u> olumns F <u>i</u> lter <u>L</u> og <u>T</u> oo	ols <u>V</u> iew <u>H</u> elp		
🖸 Add 🔹 Edit 😑 Remo	ve 📄 Open	💾 Save 🛛 🥫 Glear 🔹 Start Service 📕 Stop Service 💭 Reload Log	
Servers  Default (FP-BB-TOPE:3279)	Q Search:	▼ ¥ Filter	
	Туре	Time Module Thread JobID Message	
	🕷 Debug	2018-08-30 17:04:40.286 File Input Worker - XML Input 10836 Public inserted; FK_Job=369813 FK_Job_Public=36983	13
	ia Job	2018-08-30 17:04:40.301 File Input Worker - XML Input 10836 Picked up file C:\Lasernet\Input\Sales Invoice.xm2	1
	💓 Debug	2018-08-30 17:04:40.301 File Input Worker - XML Input 10836 Searching for EMF header	
	💥 Debug	2018-08-30 17:04:40.301 File Input Worker - XML Input 10836 No EMF header was found.	
	🖽 JobInfo	2018-08-30 17:04:40.301 File Input Worker - XML Input 10836 Set JobInfo FileLastModified[0] = 2016-06-09 20:55	9:00.5
	🔠 JobInfo	2018-08-30 17:04:40.301 File Input Worker - XML Input 10836 Set JobInfo FileCreated[0] = 2018-08-30 17:04:39.5	582
	🚻 JobInfo	2018-08-30 17:04:40.301 File Input Worker - XML Input 10836 Set JobInfo FileLastRead[0] = 2018-08-30 17:04:39.	.582
	🚻 JobInfo	2018-08-30 17:04:40.301 File Input Worker - XML Input 10836 Set JobInfo DefaultPrinter[0] =	
	🚻 JobInfo	2018-08-30 17:04:40.301 File Input Worker - XML Input 10836 Set JobInfo Default[0] =	
	🔠 JobInfo	2018-08-30 17:04:40.301 File Input Worker - XML Input 10836 Set JobInfo MatchedMask[0] = *.xml	
	🔠 JobInfo	2018-08-30 17:04:40.301 File Input Worker - XML Input 10836 Set JobInfo Filepath[0] = C:\Lasernet\Input	
	🔠 JobInfo	2018-08-30 17:04:40.301 File Input Worker - XML Input 10836 Set JobInfo FileRootPath[0] = C:\Lasernet\Input	
	🖽 JobInfo	2018-08-30 17:04:40.301 File Input Worker - XML Input 10836 Set JobInfo FileRelativePath[0] =	
	🔠 JobInfo	2018-08-30 17:04:40.301 File Input Worker - XML Input 10836 Set JobInfo Filename[0] = Sales Invoice.xml	
	🔠 JobInfo	2018-08-30 17:04:40.301 File Input Worker - XML Input 10836 Set JobInfo FullFilename[0] = C:\Lasernet\Input\Sa	ales I
	🔠 JobInfo	2018-08-30 17:04:40.301 File Input Worker - XML Input 10836 Set JobInfo Filesize[0] = 7763	
	🔠 JobInfo	2018-08-30 17:04:40.301 File Input Worker - XML Input 10836 Set JobInfo DetailInformation[0] = C:\Lasernet\Ing	put\Sa
	🔠 JobInfo	2018-08-30 17:04:40.301 File Input Worker - XML Input 10836 Set JobInfo Extension[0] = .xml	
	🚻 JobInfo	2018-08-30 17:04:40.301 File Input Worker - XML Input 10836 Set JobInfo FilenameWithoutExt[0] = Sales Invoice	
	ia Job	2018-08-30 17:04:40.301 File Input Worker - XML Input 10836 Applying post-processing module jobinfos to FP_BB_	TOPE_
🗮 Live Log	ia Job	2018-08-30 17:04:40.301 File Input Worker - XML Input 10836 Passing job FP_BB_TOPE_XML_INPUT_43E2118E_9ED9_4D2	1B_96E
	💓 Debug	2018-08-30 17:04:40.317 File Input Worker - XML Input 10836 Public inserted; FK_Job=369814 FK_Job_Public=36983	13
Log File	iii Job	2018-08-30 17:04:40.317 Form - ERP Forms 10836 Applying pre-processing module jobinfos to FP_B8_1	TOPE_E
	🔠 JobInfo	2018-08-30 17:04:40.317 Form - ERP Forms 10836 Set JobInfo SpoolJobID[0] = FP_BB_TOPE_ERP_Forms_	153564
	💓 Debug	2018-08-30 17:04:40.317 Form - ERP Forms 10836 Searching for EMF header	-
Grab	•		•

#### 3.2.5 Log File

The Log File tab displays a log file which is stored on disc.

Lasernet Monitor 9				
<u>F</u> ile <u>C</u> olumns F <u>i</u> lter <u>L</u> og <u>T</u> o	ols <u>V</u> iew <u>H</u> elp			
😯 Add 🔹 Edit 🤤 Remo	ve 📄 Open 💾 Save 📙 Clear 🕨 Start Service 🛛	Stop Service 🛟 Reload Log		
Servers  Default (EP-BB-TOPE-3279)	Q Search:	▼ <b>Y</b> Filter		
	Type Time Module Thread Jobl	D Message		
	System 2018-08-30 10:06:54.569 Developer 3036	Loading module MSMQPort.dll		
	E System 2018-08-30 10:06:54.570 Developer 3036	Loading module OverlayEngine.dll		
	E System 2018-08-30 10:06:54.571 Developer 3036	Loading module PassThroughEngine.dll		
	E System 2018-08-30 10:06:54.571 Developer 3036	Loading module PDFEngine.dll		
	System 2018-08-30 10:06:54.572 Developer 3036	Loading module PDFExtract.dll		
	System 2018-08-30 10:06:54.573 Developer 3036	Loading module PDFMergerEngine.dll		
	System 2018-08-30 10:06:54.574 Developer 3036	Loading module PDFSplitterModule.dll		
	System 2018-08-30 10:06:54.575 Developer 3036	Loading module PDFStamperModule.dll		
	📃 System 2018-08-30 10:06:54.575 Developer 3036	Loading module PDMOutputPort.dll		
	📃 System 2018-08-30 10:06:54.585 Developer 3036	Loading module ProcessEngine.dll		
	📃 System 2018-08-30 10:06:54.586 Developer 3036	Loading module RichTextConverterEngine.dll		
	📃 System 2018-08-30 10:06:54.587 Developer 3036	Loading module SAPInputPort.dll		
	📃 System 2018-08-30 10:06:54.588 Developer 3036	Loading module SchedulerInputPort.dll		
	🗮 System 2018-08-30 10:06:54.588 Developer 3036	Loading module SharePointOutputPort.dll		
	🗮 System 2018-08-30 10:06:54.589 Developer 3036	Loading module TextSplitter.dll		
	📃 System 2018-08-30 10:06:54.589 Developer 3036	Loading module TIFFEngine.dll		
	🗮 System 2018-08-30 10:06:54.590 Developer 3036	Loading module WebInputPort.dll		
	j≣ System 2018-08-30 10:06:54.590 Developer 3036	Loading module WebServiceModule.dll		
	🗮 System 2018-08-30 10:06:54.603 Developer 3036	Loading module WinPrintInputPort.dll		
	🗮 System 2018-08-30 10:06:54.604 Developer 3036	Loading module WinPrintOutputPort.dll		
Live Log	j≣ System 2018-08-30 10:06:54.604 Developer 3036	Loading module XLSXMergerEngine.dll		
	j≣ System 2018-08-30 10:06:54.605 Developer 3036	Loading module XMLMergerEngine.dll		
Log File	j≣ System 2018-08-30 10:06:54.606 Developer 3036	Loading module XMLSecurity.dll		
🐺 Licensing	j≣ System 2018-08-30 10:06:54.610 Developer 3036	Loading module XMLSplitterEngine.dll		
The sing	j≣ System 2018-08-30 10:06:54.611 Developer 3036	Loading module XMLTransformerEngine.dll		
Grab	i≣ System 2018-08-30 10:06:54.612 Developer 3036	Loading module XMLValidatorEngine.dll	Ŧ	

#### 3.2.6 Licensing

The Licensing tab displays the list of licenced and unlicenced system components.

		Lasernet Monitor 9	
<u>F</u> ile <u>C</u> olumns F <u>i</u> lter <u>L</u> og <u>T</u>	ools <u>V</u> iew <u>H</u> elp		
🖸 Add 🔹 Edit 🧲 Ren	nove 📄 Open 💾 Save 📙 Clear	► Start Service ■ Stop Service 🛟 Reload Log	
Servers 4	Name	Description	
Default (FP-BB-TOPE:3279)	General		
	Version	9	
	Created on	20-02-2018	
	Licensed To	Formpipe Lasernet A/S	
	Comment	TorbenP	
	Cores	Physical: 4	
	Packages - Licensed		
	Azure		
	Cloud		
	Communication		
	Conversion		
	Database		
	File		
	Input Management Standard		
	Lasernet Server		
	SAP RDI Connector		
	XML - OUT		
	XML Security		
	Modules - Licensed		
	Azure Service Bus		
	Azure Service Bus		
	Azure Storage		
Live Log	Azure Storage		
Log File	Azure Storage Modifier		
382	Base64		
W Licensing	Binary Filter		
Grab Grab	Code Page Conversion		

Note: Activation keys and updating of licenses are maintained in the Lasernet License Manager.

#### 3.2.7 Grab

Grab mode is used by the Lasernet Server to store a copy of the job data in a user defined server grab directory. Grab files are required by the Form Editor as input data for designing forms, or by the XML Transformer Editor to modify XML data. To inspect your job data in more detail, it can be useful store a copy of it before or after it is processed through a module.

When an instance of a Lasernet service is restarted, it will use the default settings as defined in the Lasernet Developer  $\rightarrow$  Server  $\rightarrow$  Grab tab. When a configuration is updated to the server with the Grab setting activated, this will be the preferred mode at service start.

Default Properties					
General Grab Database Logger Master Printer Failover Client Server JobInfos					
✓ Grab					
Server grab directory:					
Lownload grabs from server					

From the Grab tab you are able to temporarily activate/de-activate grab events for each module and form attached to the Overlay, Form and XML Transformer modules.

		La	asernet Monitor 9			
<u>F</u> ile <u>C</u> olumns F <u>i</u> lter <u>L</u> og <u>T</u> r	ools <u>V</u> iew <u>H</u> elp					
🕒 Add 🔹 Edit 😑 Ren	nove 🦰 Open 💾 Save 🗮 Clear	Start Service	Stop Service	C Reload Log		
Servers A	Name	Туре	Grab Input Co	ount Input Grab Output Co	unt Output Description	
Default (FP-BB-TOPE:3279)	🔲 🔅 Full					
	Modules					
	✓ ■ → Input					
	🗌 📒 Text Input	File Input		0 🔲	0	
	🔄 📒 Input Management	File Input		0 🗖	0	
	V 🔁 XML Input	File Input		0 🔲	0	
	Engine					
	🗌 📄 XML Transformers	XML Transformer		0 🗖	0	
	ERP Forms	Form		0 🗖	0	
	OCR Forms	OCR		0 🗖	0	
	V 🗌 🛃 Output					
	PDF Archive	File Output		0 🗖	0	
	A Workflow	File Output		0 🗖	0	
	🗌 🚍 A Label Printer	Printer Output		0 🗖	0	
	🗌 🚍 Account Department	Printer Output		0 🗖	0	
	SMTP Mail Server	Mail Output		0 🗖	0	
	V 🗌 📄 Forms					
	ZML Transformers					
	🔄 📄 Jobinfo Scanner			0		
	V 🗌 📄 ERP Forms					
	📃 🧧 Sales Invoice (Dynamic	1		0	Sales Invoice with Dynamic Region	ns
	Sales Invoice (XML)			0	Sales Invoice (PDF/XML/EDI/CSV)	
Live Log	📃 🧧 Sales Invoice (Text)			0	Sales Invoice (PDF/XML)	
Log File	🔄 🧧 Sales Invoice (HTML)			0	Sales Invoice (HTML/PDF)	
	Sales Invoice (Charts)			0	Sales Invoice with Charts	
🐺 Licensing	Calar Invaira (CLID)			٥	Salas Invaisa /DDE/VML/EDI/CS\/	•
Grab	单 Start Input Grab 📕 Stop Input Gra	b 🛛 🌒 Start Output	:Grab 📕 Stop C	utput Grab		

Select 'Full' to select all modules and forms. Use the Grab tool bar to start and stop the grab mode for selected modules.

Select a single or multiple modules or forms. Use the Grab tool bar to start and stop the grab mode for selected modules.

Activate Grab Input or Grab Output column to enable grab for a specific module or form, without using the Grab tool bar.

Columns for Count Input and Count Output will report on how many grab files the Lasernet service instance has currently stored in the grab directory for each module or form.

#### Grab tool bar

The Grab tool bar has buttons to start and stop the grab mode. The monitor does not have to run on the same computer as the Lasernet service instance to send grab mode signals.

#### Start Input Grab

This button will start the grab mode for selected modules or forms at grab input level. This level is before a module or form starts to process the job.

#### **Stop Input Grab**

This button will stop the grab mode for selected modules or forms at grab input level.

#### Start Output Grab

This button will start grab mode for selected modules at grab output level. This level is after a module has processed the job.

#### **Stop Output Grab**

This button will stop grab mode for selected modules at grab output level.