

Text Print Server - User Guide

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Overview

Text print server is a virtual printer running as a windows server to capture the text output.

More than 1 printer can be specified either running on different IP addresses (alias or adapters) and ports. The ports can be RAW or LPD.

Once a print job is captured it is passed onto Print Processors. These processors will run in a specified order and could convert the job or redirect the job onto another printer.

[image.png](#)

Profile example

[image.png](#)

Profile processors

[image.png](#)

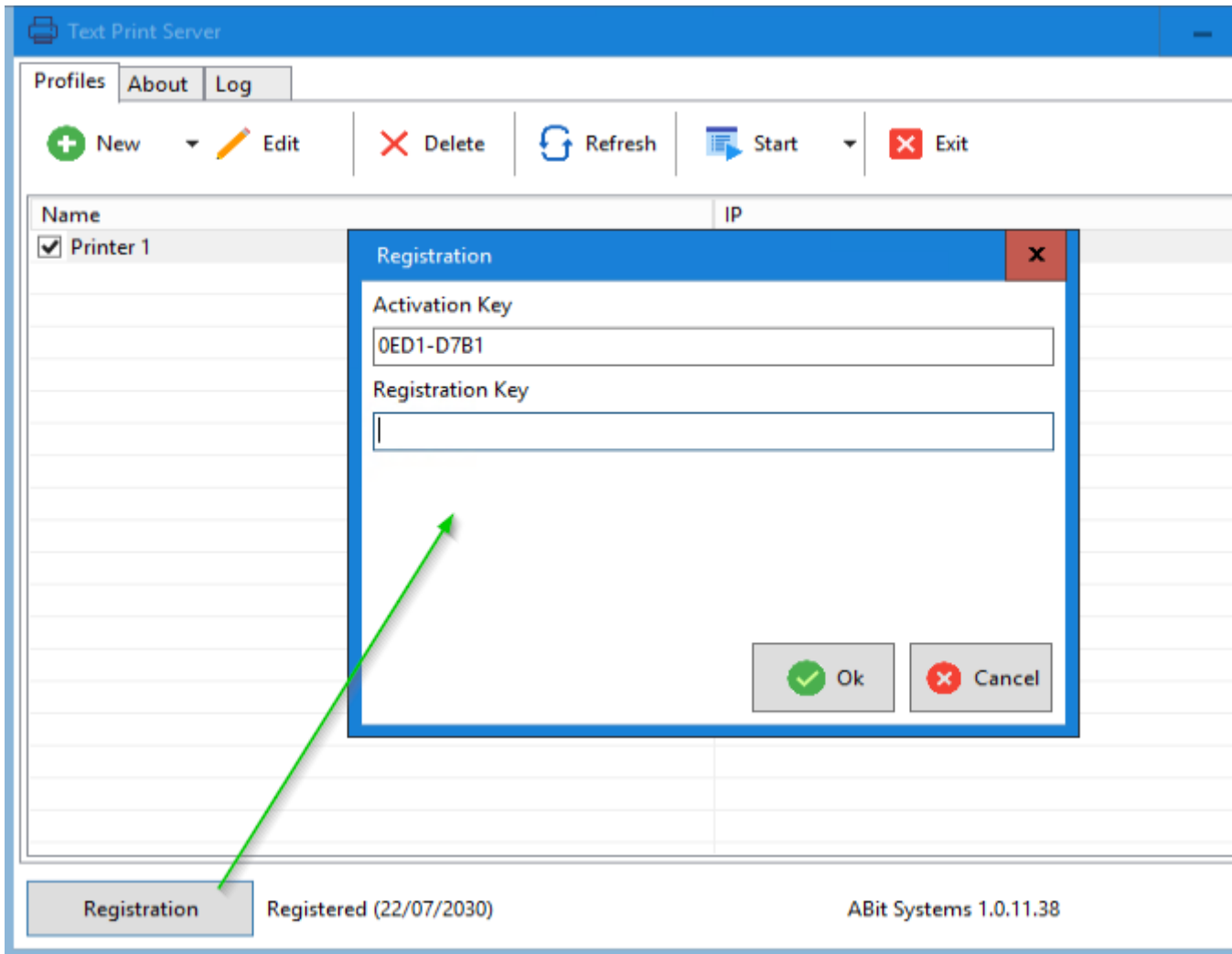
Processor example

[image.png](#)

Installation

Download the latest version from [ABit Product Downloads](#)

Register application by providing activation key to software@abitsystems.com.au



Processors

Print processors allow manipulation of a print job and its output. The processors are a plugin system so they can be enabled and modified for each printer instance.

Print processors are executed in the run order specified.

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LineReportToCSV

Take a line report and generate CSV from it. The processor will attempt to detect if the data is in a vertical or horizontal format.

[image.png](#)

Enabled	Yes or No	The processor will be skipped if not enabled
Run order	Numeric value	The order the processor will be executed
Vertical fieldname column width	For vertical reports the width of the column. -1 to auto detect.	If a report is in a vertical format. eg <div style="border: 1px solid black; padding: 10px; margin: 10px 0;"><pre>Header Field1 : Data Field2 : Data Field1 : Data Field2 : Data</pre></div> The width is the space between Field1 and :
Field multivalue separator	Default is	If CSV data is detected in the field the separator is modified

Autofill index position	The index value of the report.	<div style="border: 1px solid black; padding: 10px; margin-bottom: 10px;"> <pre> Header Field 1 Field 2 ===== Record 1 Data 1 Data 2 Record 2 Data 1 Record 3 Data 1 </pre> </div> <p>Line 5 in this example Record 1 is assumed.</p>
Default autofill value for fields	Fields that are detected as blank because they would contain the index field are automatically filled in	
Output filename	The filename generated default %sourcefilefolder%%title%_%date%_%time%_%profilename%.csv	CSV filename generated
Change output filename	The filename passed to the next processor is the CSV file	

Redirect

The redirect processor allows the print job to be sent to a printer

[image.png](#)

Enabled	Yes or No	The processor will be skipped if not enabled
Run order	Numeric value	The order the processor will be executed
Printer name	Windows printer name	The name of the printer to redirect the data
Printer type	Send the job and text or raw	

PDF

PDF will create a PDF from the text data. This could be the original text or modified data from a processor like LineReportToCSV

[image.png](#)

Enabled	Yes or No	The processor will be skipped if not enabled
Run order	Numeric value	The order the processor will be executed
Change output filename	Yes or No (Default No)	The filename that is passed to the next processor will be the PDF and not the original text file
Page orientation	Landscape or Portrait	
Lines per page	New page at specific line count. Use 0 to check for form feeds in the data	
Skip empty pages	Don't create a PDF page for empty pages	
Font size	Font size used in PDF	
Font	Font used in PDF	
Skip pages	Option to exclude certain pages from PDF generation	
Output filename	The PDF filename generated	

SMTP

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Send email with custom email addresses, subject, body and files.

Enabled	Yes or No	The processor will be skipped if not enabled
Run order	Numeric value	The order the processor will be executed
Server	SMTP server hostname	
Port	SMTP server port	
From name	Name email is sent from	
From address	Email address email is sent from	
Recipients	Email recipients	See metadata
Subject	Email subject	See metadata
Authentication type	SMTP authentication type (None, Default or SASL)	

Username	SMTP username	
Password	SMTP password	
Body	Email body	See metadata
Attachments	A list of files to attach	Default is %inputfilename%. This could also include direct file system files if required. eg C:\Users\Public\Documents\TermsAndConditions.pdf. See metadata
Reply to name	The name used if recipient select reply	
Reply to address	The email address uses if a recipient selects reply	
HTML body	The body content contains HTML	
Read receipt	Request a read receipt	
SSL version	1.2 is generally required	
TLS	None, Implicit, Required, Explicit	

Sharepoint

Upload files to a sharepoint site

[image.png](#)

An [Entra](#) App registration is required

image.png	Ensure application permission Sites.Manage.All is granted image.png
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Enabled	Yes or No	The processor will be skipped if not enabled
Run order	Numeric value	The order the processor will be executed
Client id	Entra client id	
Tenant id	Entra tenant id	
Client secret	Entra client secret	
Site	Select sharepoint site	

Drive	Select sharepoint drive	
Folder path	Optional folder path	
Files	List of files to upload.	See metadata

Metadata

As a print job flows with processors metadata is all passed along. This can be used for settings in the processor or modified along with way to be used in other processors.

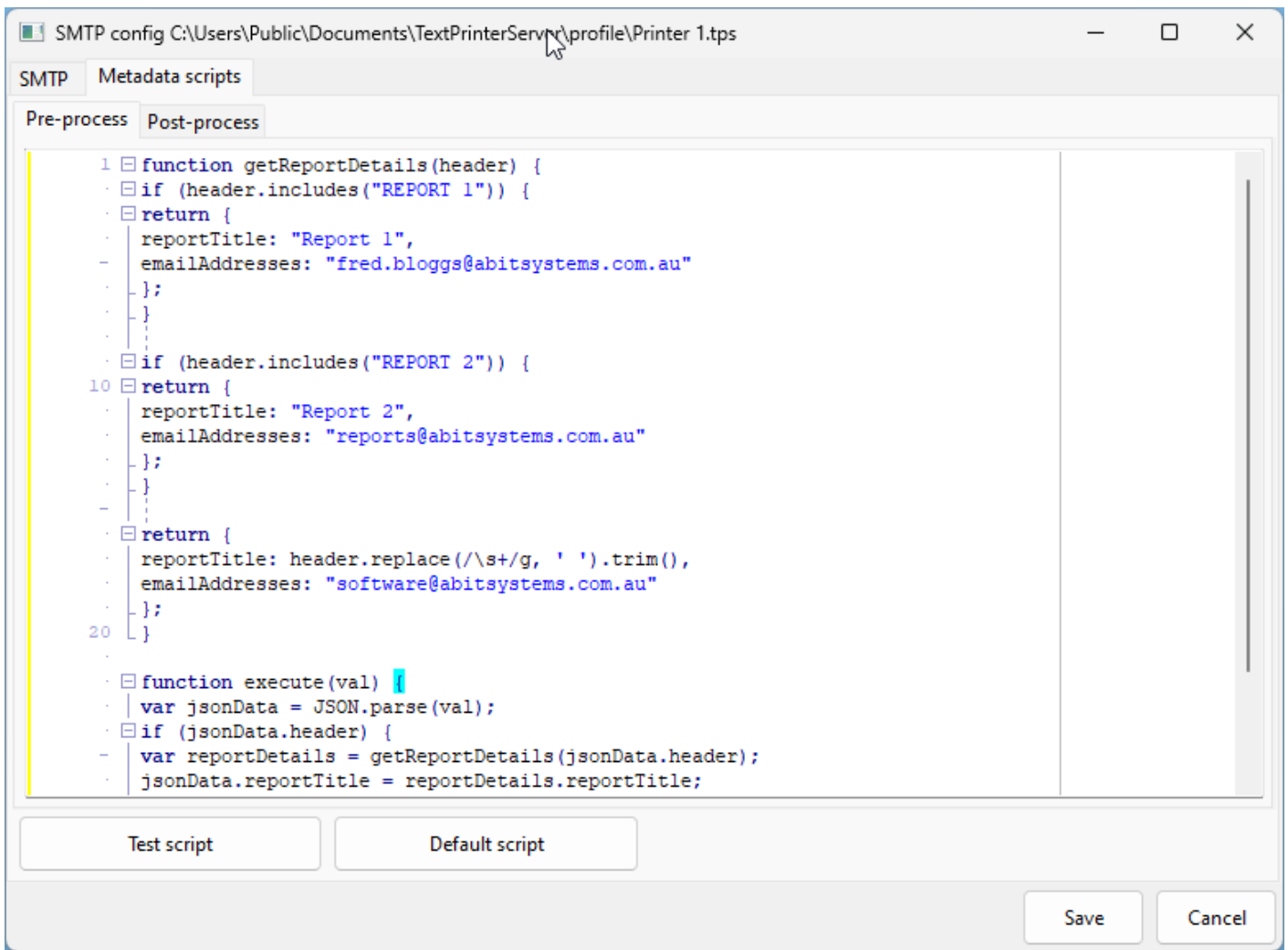
Example report

		REPORT 1 - Page # 1	
		REPORT DATE: 2025-07-23	
Field 1	Field 2	Field 3	Field 4

Meta data will start off with simple details like filename and header

```
{
  "started": "2025-07-22T09:43:41.964+08:00",
  "filename": "C:\\Users\\tristan\\Desktop\\20250721_153435_RAW_172.20.98.1.txt",
  "header": "          REPORT 1 - Page # 1",
  "headercleaned": "REPORT 1 - Page # 1",
}
```

A processor could then manipulate that data in a pre-process or post-process javascript



This example analyzes the header and returns back to new values in the metadata of reportTitle and emailAddresses.

```
function getReportDetails(header) {  
  if (header.includes("REPORT 1")) {  
    return {  
      reportTitle: "Report 1",  
      emailAddresses: "fred.bloggs@abitsystems.com.au"  
    };  
  }  
  
  if (header.includes("REPORT 2")) {  
    return {  
      reportTitle: "Report 2",  
      emailAddresses: "reports@abitsystems.com.au"  
    };  
  }  
}
```

```

return {
reportTitle: header.replace(/\s+/g, ' ').trim(),
emailAddresses: "software@abitsystems.com.au"
};
}

function execute(val) {
var jsonData = JSON.parse(val);
if (jsonData.header) {
var reportDetails = getReportDetails(jsonData.header);
jsonData.reportTitle = reportDetails.reportTitle;
jsonData.emailAddresses = reportDetails.emailAddresses;
}
return JSON.stringify(jsonData, null, 2);
}

```

Because this is Pre-processed the processor can make use of these values immediately in it's own configuration as below. Variables that are from metadata are always prefixed with %metadata_{variablename}%

SMTP config C:\Users\Public\Documents\TextPrinterServer\profile\Printer 1.tps

SMTP Metadata scripts

Enabled Yes

Run order 2147483647

Server smtprelay

Port 25

From name Software

From address software@abitsystems.com.au

Recipients %metadata_emailaddresses%

Subject %metadata_reporttitle%

Authentication type satDefault

Username abit-relay

Password

Body

File: %sourcefilefolder%%sourcefilename%%sourcefileext%

Sent: %date% %time%

Profile: %profilename%

Attachments

%metadata_pdffilename%

%metadata_filename%

Reply to name

Reply to address

HTML body

Read receipt

SSL version sslvTLSv1_2

TLS utNoTLSSupport

Save Cancel

Now the metadata will reflect the following and is passed onto the next processor.

```
{
  "started": "2025-07-22T09:43:41.964+08:00",
  "filename": "C:\\Users\\tristan.ABIT\\Desktop\\20250721_153435_RAW_172.20.98.1.txt",
  "header": "                REPORT 1 - Page # 1",
  "headercleaned": "REPORT 1 - Page # 1",
  "reportTitle": "Report 1",
  "emailAddresses": "fred.bloggs@abitsystems.com.au",
  "smtpResult": "OK"
}
```