JohannaSoft

SJPrint HttpService Edition

Product Documentation

Contenido

1. Introduction

SJPrint HttpService Edition allows you to discover and use a server's printers to silent print PDF files.

It uses standard HTTP GET requests to get info from the server and multipart HTTP POST request to send a PDF file to the server, and silent print it.

2. Installing SJPrint HttpService Edition

You can deploy SJPrint HttpService Edition on any WAR compliant application server.

After deployment, you should see the message :

SJPrint Http Service deployed

If you browse to the app server URL /SJPrintHttpService/

Entry point (URL) for both GET and POST requests is:

SJPrintHttpService/SJPrintServiceServlet

3. GET requests. Getting info from the server.

All GET request have a common parameter, called request_type.

Information response is always text/html with lines separated with new line character.

The possible values are:

get_all_printers

It will list all printers on server.

get_all_media

Lists all media size names, supported by SJPrint.

get_all_media_by_printer

This request will list you all media size names, supported by a named printer. You MUST pass a secondary parameter, with the printer name, called printer_name.

For example:

?request_type=get_all_media_by_printer&printer_name=[printer-name-here].

Remember to encode de URL!. Printer names can have special characters or blanks that need to be URL encoded. Download and check examples at our web site.

get_all_print_qualities

Retrieves supported printing qualities.

get_all_print_sides

Lists all print sides.

get_all_orientations

Lists orientations.

get_document_types

Lists document type detection. If auto sense is going to be used, remember that other than PDF files, depend on native printer capabilities.

4. POST request. Posting a PDF file to the server and silent print it.

Using a multipart POST request, you can send both printer and document settings, and the PDF file itself, to the server and silent print the PDF file.

All post parameters are string parameters, but the file to be printed.

request_type

Possible values:

print. It silent prints the pdf file on the server. It will not wait for execution.

printAndWait. It silent prints the pdf file on the server. It will wait until print job finish. Use with care.

printer_name

Named printer to use.

nro_copies

Number of copies to print.

orientation

Orientation requested

sides

Print sides requested.

doc_type

Document detection type.

quality

Print quality requested.

pdf_password

Password to print the PDF file, if needed.

media_name

Media Size name to use.

fit_to_page

If true (string true used) it will shrink to printable area.

file_name

Just give a name to de file.

file

The file to be printed.

Examples of implementation in Java are provided at the web page.