

PL/B Printing & Pdfs

A decorative horizontal bar with a 3D arrow effect pointing to the right. The bar is yellow and orange, with a dark brown shadow underneath it.

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**Sunbelt Computer
Software**

OVERVIEW



- **RUNTIMES**
- **PL/B WEB SERVER**

Runtimes

- **PRTPAGE *PICT** (All)
 - ***PICT={top}:{bottom}:{left}:{right}:{jpgimage}** (9.9)
 - **'pdf:' Output Only**
 - **JPG image as per PDF Specification**
 - **{jpgimage}**
 - **Current working directory**
 - **Path + Jpgname**
 - **New S31 Spool Error**

Runtimes

- **PRTPAGE *PICT**

(Windows)

- ***PICT={top}:{bottom}:{left}:{right}:{pict}** (10.0)

- **Sunbelt 'pdf:' Output**

- **PICT object converted to JPEG image by default**
Reduces Sunbelt PDF file sizes

- **PRTOPEN *FLAGS**

PDF__FLAGS_NO_JPEG_COMP EQU 1024

GETMODE\SETMODE *PdfJpegQuality={20 to 100}

Runtimes

- Sunbelt PDF Output using ‘pdf:’ (Windows)
 - Windows OS Default Printer Device Context Used
 - GETINFO TYPE={font}„PRINTER=PFILE
 - GETFILE
 - PRTPAGE Operations
 - SETMODE *PDFDEFPRTNAME & *PDFDEFPRTMETRICS

Runtimes

- PRTPAGE *TEMPLATE 'G' Option (10.1)
 - *TEMPLATE 3rd Party PDF Page Command Issues
 - 'G' option Extracts PDF Pages & Resources Generically without knowing PDF object syntax structures
 - PDF Development/Evaluation Time Saver
 - PDF object Features more Extensive
 - PRTPAGE PF; *NEWPAGE, *TEMPLATE="F=template.pdf, P=1, G";

Runtimes

- Window 'PrintFormPict' Method (9.2B/10.1B)
 - Print WINDOW to Default Printer using PICT
 - HWND Parameter
 - 0 Value is for DeskTop ScreenShot
 - Non-zero is for Windows OS Handle
- Not supported by PL/B Web Server

Printing PL/B Web Server



- PWS Server Side Printing

- PRINT
- SPLOPEN
- PRTOPEN

- Client Browser Side Printing

- CLIENT 'OPEN' Method
- CLIENT 'PRINT' Method
- PDF Viewing in HTMLCONTROL

PWS Server Side Printing

•PRINT

- Screen Definition
 - MakeDef Utility
- Default Print Device/File
- 'pdf:' (port00001.pdf)
- :f:c:\temp\printing\myabc.pdf (myabc.pdf)
- SETMODE *DEFPRT
 - :f:c:\temp\printing\user0001.pdf
- Example: View: '[zprint.pls](#)' Run: '[zprint.plc](#)'

PWS Server Side Printing



- SPLOPEN

- SPLOPEN [{pfile}], [name][, {options}]
- Does Not Use Screen Definition Setting
- Output Specified
 - SPLOPEN Pfile, "c:\temp\printing\name_NNNN_splopen.pdf", "F"
- Example: View: '[zsplopen.pls](#)' Run: '[zsplopen.plc](#)'

PWS Server Side Printing

•PRTOPEN

- PRTOPEN [{pfile}, {device}, {jobname}[, {options}...]
- More Flexibility and Functionalities
- Specifies
 - OS Devices
 - Sunbelt PDF 'pdf:'
 - Job Names
 - Multiple Options
- Example: View: '[zprtopen.pls](#)' Run: '[zprtopen.plc](#)'

Client Side Printing



- CLIENT Browsers

- Browser Controls Printing

- Browser Window Object
 - Open Method
 - Print Method

- https://www.w3schools.com/jsref/obj_window.asp

- CLIENT Object

- CLIENT 'Open' Method

- *NAME={name}
 - *SPECS={specs}

- https://www.w3schools.com/jsref/met_win_open.asp

- CLIENT 'Print' Method

Client Side Printing



- HTMLCONTROL PDF Viewing

- Injecting PDF into an HTML Page
 - <https://scalified.com/2018/01/16/injecting-pdf-html-page/>
 - Using HTML tags [iframe](#), [embed](#) and [object](#)
 - Using external services, like Slideshare
 - Using JS libraries, like [pdf.js](#) by Mozilla
- [HtmlCtlDesignSun](#)
 - Pdfviewer.snip
 - PdfViewer1.snip
- [TestPrt](#) Sample Using Simple PDF Viewer
 - Show Me '[TestPrt.pls](#)'

Questions?

