

Setting up Computer to Print Intelligent PDF files from OrCAD Capture

1. Install a PostScript printer driver
 - a. Download an appropriate PostScript printer driver
 - i. Example: HP Universal Print Driver PS (file included in this directory)
 - b. Unzip the driver (currently in an .exe format), and install a printer
 - i. Should be done automatically by running the executable
 - ii. If not, go to the install directory and run manually → probably
C:\HP Universal Print Driver PostScript x64-bit v5.2.5.9108\install.exe
 - iii. At prompts:
 1. Select *Traditional Mode*
 2. Select *Add A Local Printer*
 3. Select *Use an existing port* and select *FILE: (Print to File)*
 4. Select a driver. In this example, *HP Universal Printing PS (5.2)*
 5. Select *Use the driver that is currently installed (recommended)*
 6. Name the printer something short (preferably one word, like *PostScriptPrinter*)
 - c. If desired, edit the default printer properties, i.e., to match the size of the schematic (8.5"x11" or 11"x17"), etc.
 - i. In the control panel, go to printers and faxes
 - ii. Right click, select *Printer Properties* → set as desired
2. Install a postscript-to-pdf conversion tool (Ghostscript)
 - a. Install Ghostscript by running *gs900w32.exe* (located in this directory)
 - i. Follow all default suggestions.
3. Set up "Convenience Settings"
 - a. These are not required for the script to work – they just make it easier
 - b. Edit your PATH environment variable to include the path to *gswin32c.exe*
 - i. Can be done from command line or in gui
 1. Go to: *Control Panel* → *System and Security* → *System*
 2. Select *Advanced system settings* (left hand side)
 3. On the *Advanced* tab, select *Environment Variables*
 4. Under *System Variables*, select *Path* and click *Edit*
 5. At the end of *Variable value*, and a semicolon followed by the path to *gswin32c.exe* on your computer
 - a. Example: "; C:\Program Files (x86)\gs\gs9.00\bin"
 6. Hit *Ok* as many times as necessary to close each window
4. Edit the script to point to your new PostScript printer by default (*capPdfUtil.tcl*)
 - a. An edited version of the script is present in this directory. Copy it into the capture directory (ex: *C:\Cadence\SPB_16.3\tools\capture\tclscripts\capUtils*)
 - b. Rename the file to be *capPdfUtil.tcl* (get rid of the _modified)
 - i. If necessary, delete the existing file
 - c. If the modified file is overwritten or missing, change manually:
 - i. Do a page search for *::mPSDriver* in the quotes immediately following this, change the value (most likely *Acrobat Distiller*) to the name of the postscript printer installed in step 1 above (example: *PostScriptPrinter*)
 - d. Note, if OrCAD is ever updated, this file could be automatically be overwritten. In that case, just re-edit the file