3.3 – Resource redirection and parameters

SparkView has resource redirection (clipboard, drive, audio redirection etc.) disabled by default for safety reasons. You need to implicitly enable them by setting up extra parameters.

Resource redirection can be enabled on both, client side using the JavaScript library and server side using the servers.json.

Resource redirection	Parameter
Clipboard	mapClipboard=on
Drive	mapDisk=on Also need to configure tmpdir in gateway.conf
Printer	mapPrinter=on printer=Your Printer Name You can also configure printerDriver and printer (name) in gateway.conf You also need to install a PostScript to PDF converter or PCL to PDF converter (depends on your printer driver) on the gateway computer (no need to install it on RDP server) and configure the location and command arguments for the converter in gateway.conf: converter = D:\Programs\gs\gs9.16\bin\gswin32c.exe arguments = -dBATCH -dNOPAUSE -dUseCIEColor -dPDFSETTINGS=/printer -sDEVICE=pdfwrite -q -sOutputFile=%1 %2
Audio Playback	playAudio=0 soundPref=0: low audio quality, low bandwidth usage. soundPref=1: high audio quality, high bandwidth usage.
Audio Input (Microphone)	audioRecord=on
Time zone	timezone= encodeURIComponent (‘(GMT-07:00) Mountain Standard Time’)

Please check the Administrator’s Manual for all parameters you can use.

Example of “enable clipboard redirection”:

```
var r = new svGlobal.Rdp('ws://gatewayAddr/RDP?server=192.168.12.117&mapClipboard=on');
```

Frequently used parameters:

Parameter	Value
port	Integer, RDP listening port. Optional, default is 3389 for RDP, 5900 for VNC, 22 for SSH, 23 for Telnet
user	String, user name (Windows User).
pwd	String, password for user name.
domain	String, domain name.
keyboard	Integer, keyboard layout, default is 0x409 (US)
width	Integer, screen width of RDP session. Default is 800
height	Integer, screen height of RDP session. Default is 600
vmid	Hyper-V VM GUID, For example: B3D5444C-2611-405A-9CA0-7AA8DA94DF0B, it's for Hyper-V console connection.
minWidth	Minimum width, some applications can only work on a minimum resolution
minHeight	Minimum height, some applications can only work on a minimum resolution

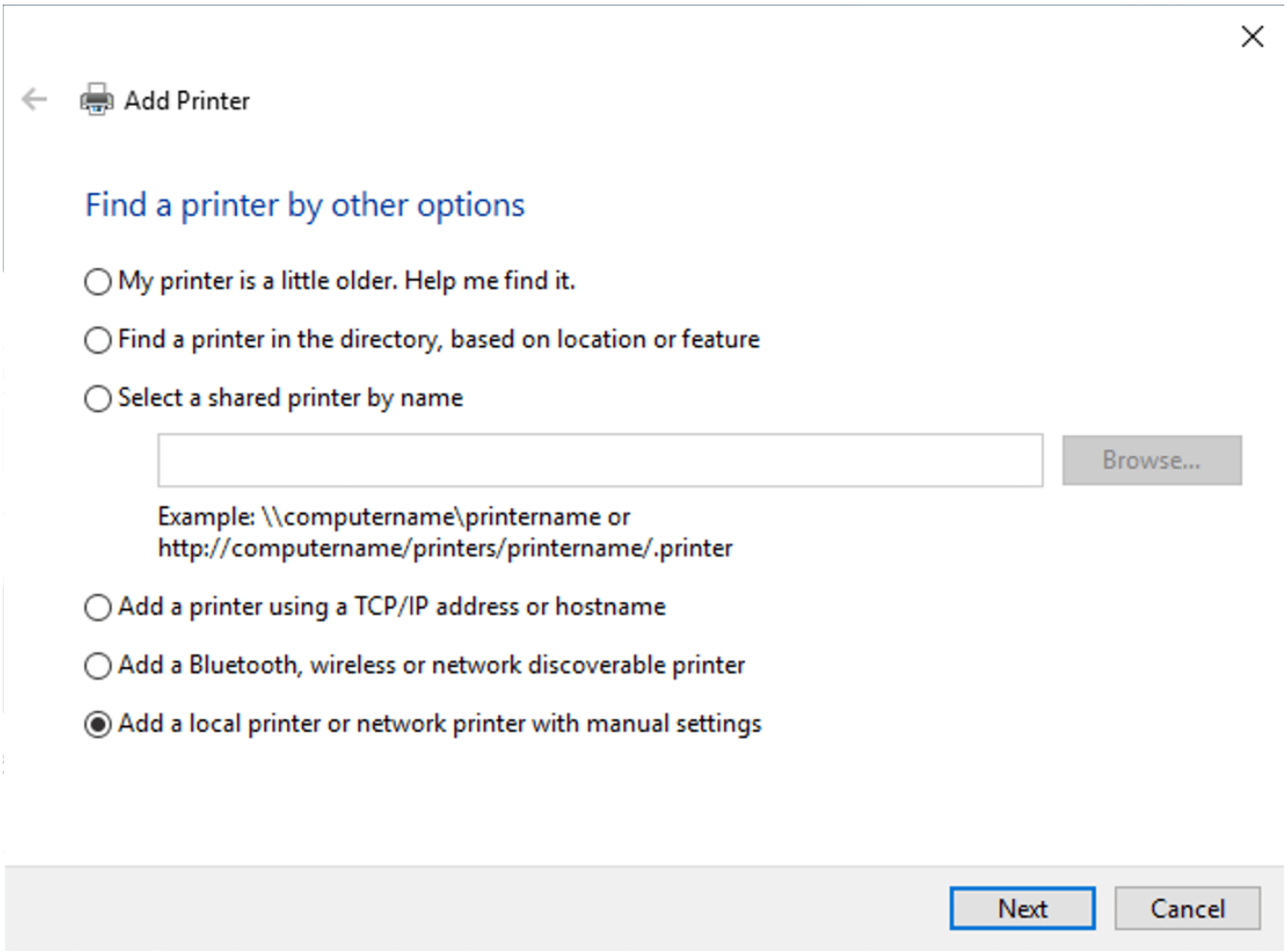
Printer driver issue:

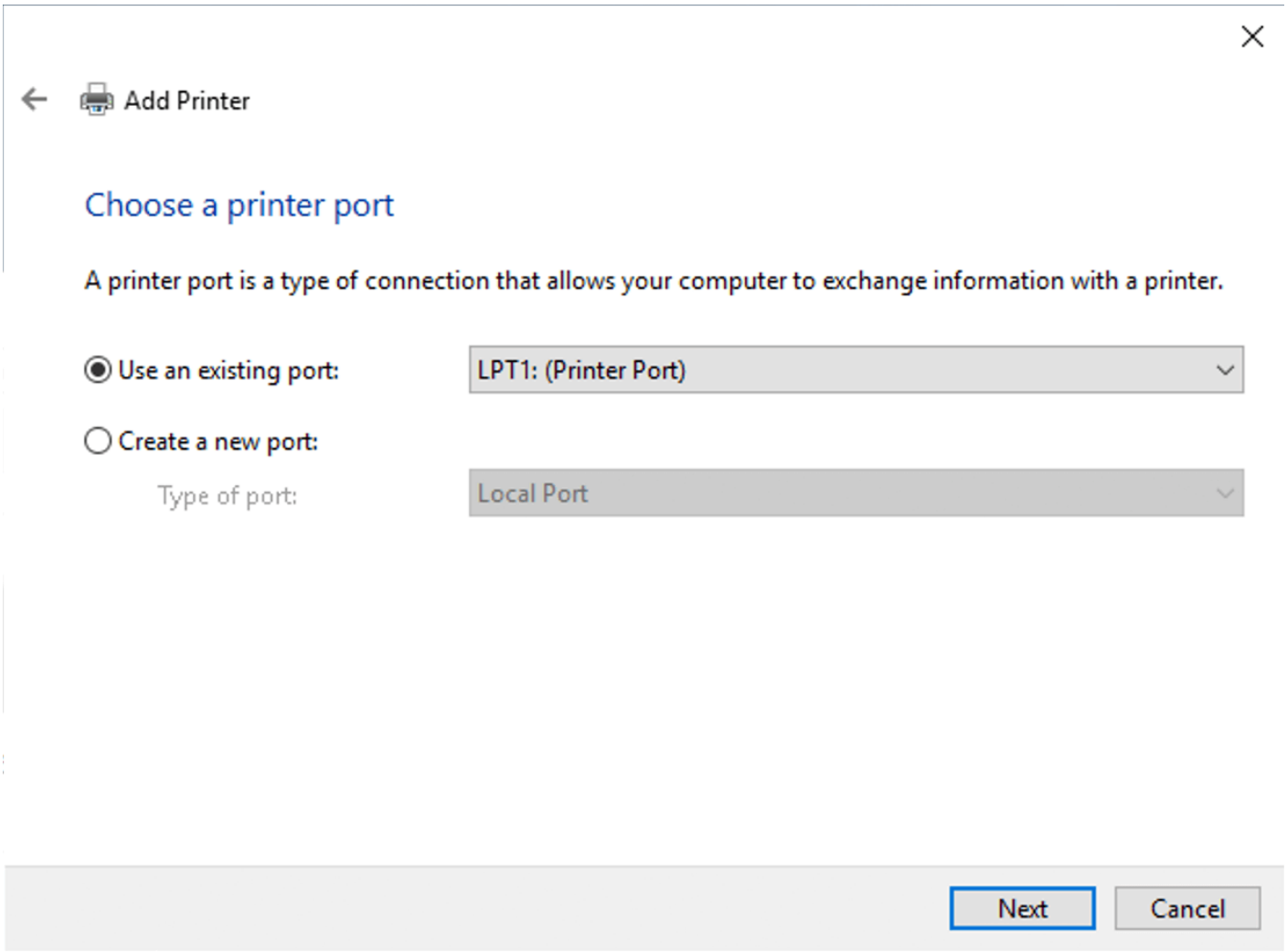
(Since version 5.7, Spark View can choose the best available driver automatically. It's not recommended to set up the printer driver unless you have special needs. The followings is for reference only)

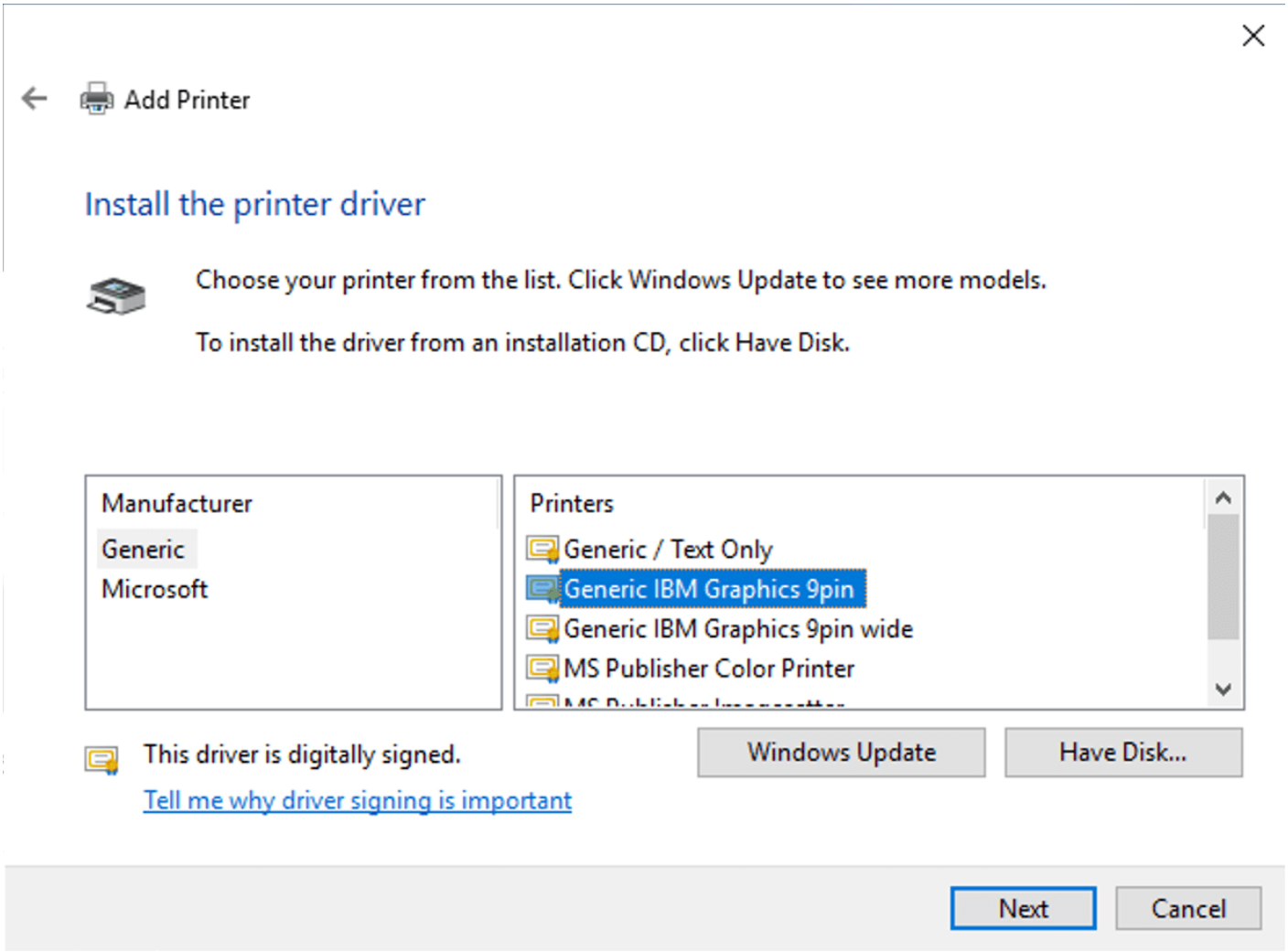
SparkView will use "MS Publisher Imagesetter" as the default printer driver, because all Windows have this driver installed by default. We found some problems with this driver: It woks good if you print only few pages, it'll generate huge raw printing file (>1GB) if you are printing more than 50 pages. It's better to change the printer driver in the gateway.conf:

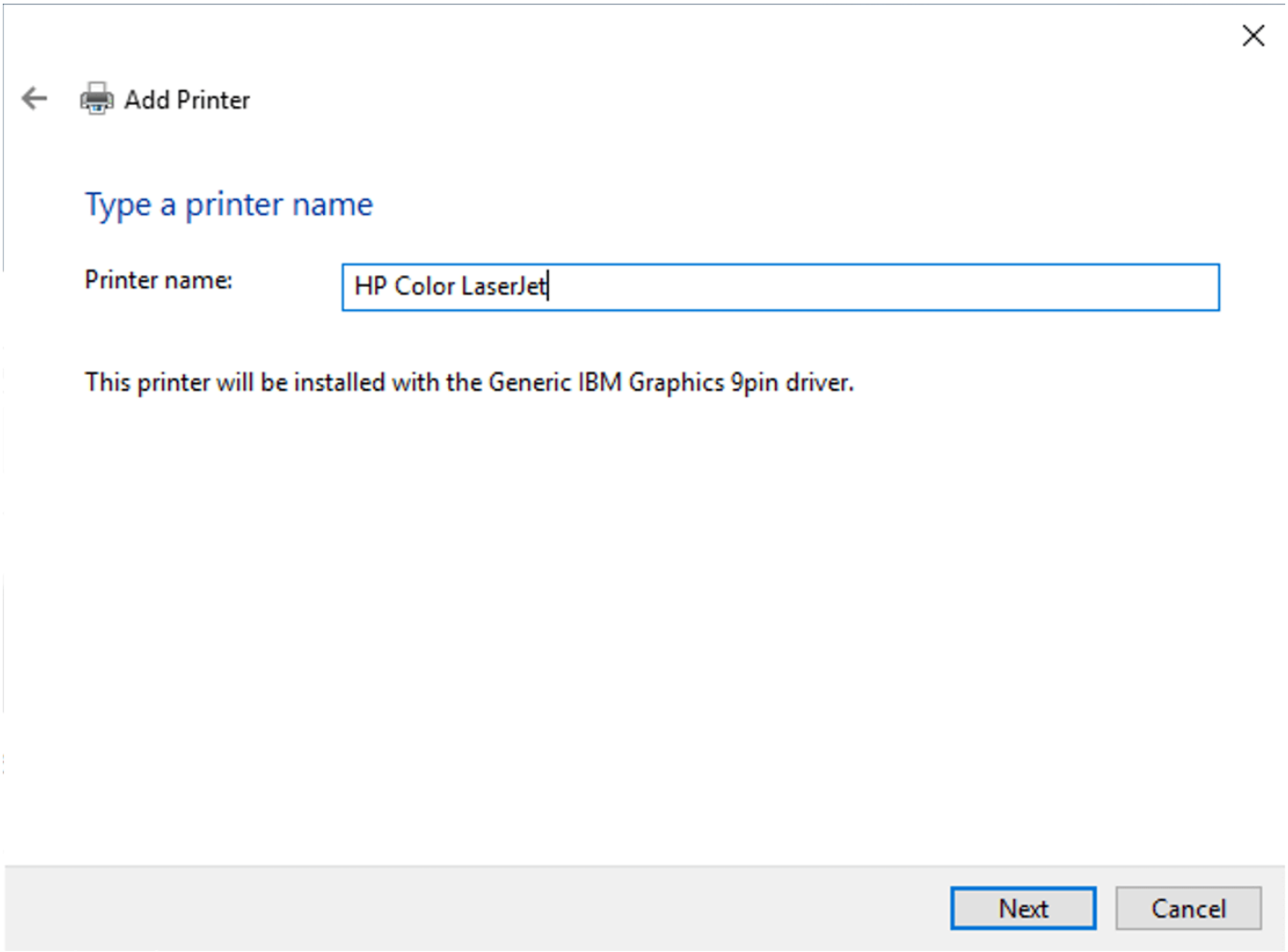
```
printerDriver = HP Color LaserJet 8500 PS
```

You should make sure your RDP server has this printer driver installed. This is how to find a PostScript printer driver:


Add Printer
Find a printer by other options
My printer is a little older. Help me find it.
Find a printer in the directory, based on location or feature
Select a shared printer by name
Browse...
Example: \\computername\printername or
http://computername/printers/printername/.printer
Add a printer using a TCP/IP address or hostname
Add a Bluetooth, wireless or network discoverable printer
Add a local printer or network printer with manual settings
Next
Cancel


Add Printer
Choose a printer port
A printer port is a type of connection that allows your computer to exchange information with a printer.
Use an existing port:
LPT1: (Printer Port)
Create a new port:
Type of port:
Local Port
Next
Cancel


Add Printer
Install the printer driver
Choose your printer from the list. Click Windows Update to see more models.
To install the driver from an installation CD, click Have Disk.
Manufacturer
Generic
Microsoft
Printers
Generic / Text Only
Generic IBM Graphics 9pin
Generic IBM Graphics 9pin wide
MS Publisher Color Printer
This driver is digitally signed.
Tell me why driver signing is important
Windows Update
Have Disk...
Next
Cancel



Copy the selected printer name then “Cancel”. You don’t need to actually install it, then you set up this printer driver in gateway.conf.

Please make sure it’s a PostScript or PCL printer. You need to set up the PostScript to PDF converter or PCL to PDF converter accordingly in gateway.conf.

1. Download and install your desired printer driver
2. Set up the printer driver name in gateway.conf:
   `printerDriver = HP Universal Printing PS`

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