SOP Installing and sharing printers

The first step in creating a print server for your organization involves installing the print server feature, then installing printer ports and printer drivers, and finally creating printers.

1.Install the Print-Server feature on PSRV, along with the print management tools:

Install-WindowsFeature -Name Print-Server, RSAT-Print-Services

2.Add a PrinterPort for a new printer:

Add-PrinterPort -Name Sales\_Color -PrinterHostAddress [10.10.10.61](http://10.10.10.61)

3.Add a PrinterDriver for this printer server:

Add-PrinterDriver -Name 'NEC Color MultiWriter Class Driver' -PrinterEnvironment 'Windows x64'

4.Add the printer:

Add-Printer -Name SGCP1 -DriverName 'NEC Color MultiWriter Class Driver' -Portname 'Sales\_Color'

5.Share the printer:

Set-Printer -Name SGCP1 -Shared $True

6.Review what you have done:

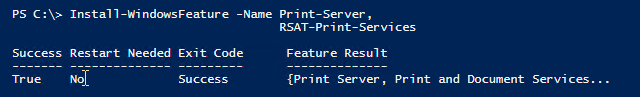
Get-PrinterPort -Name SGCP1 |

Format-Table -Property Name, Description,   
 PrinterHostAddress, PortNumber   
 -Autosize

Get-PrinterDriver -Name NEC\* |   
 Format-Table -Property Name, Manufacturer,   
 DriverVersion, PrinterEnvironment   
 Get-Printer -ComputerName PSRV -Name SGCP1 |   
 Format-Table -Property Name, ComputerName,   
 Type, PortName, Location, Shared

How it works...

In *step 1*, you add the Print-Server feature and the management tools to PSRV. To do this, open a PowerShell window on the PSRV host and install the Print-Server feature. You can either do this directly or remotely, and you can use the PowerShell console or the ISE directly from the Print-Server. The output looks like this:



In *step 2*, you add a new port for the color printer you wish to add.

In *step 3*, you add the PrinterDriver for the printer (in our case, an NEC Color MultiWriter Class Driver).

In *step 4*, you add a new printer, SGCP1, to the system. You use the PrinterDriver and printer port you created for this new printer.

In *step 5*, you share the printer. A shared printer enables users to connect to the printer and print to the associated print device. Windows bases permissions for the printer on the Discretionary Access Control List (DACL), which you set up when you create the printer.

There is no output for *step 2*, *step 3*, *step 4*, and *step 5*.

Once you have created and shared the printer, you can view the results.

In *step 6*, you view the printer port, printer driver, and printer. Note that the printer is shared in the following output:

