Set up Print Server on Windows Server 2019

Open Server Manager – Manage – Roles and Features

Add Roles and Features Wizard

Select installation type

Before You Begin
Installation Type – Server Selection – Server Roles – Features – Confirmation – Results

Select the installation type. You can install roles and features on a machine, or on an offline virtual hard disk (VHD).

- Role-based or feature-based installation
  Configure a single server by adding roles, role services, and features.

- Remote Desktop Services installation
  Install required role services for Virtual Desktop Infrastructure or session-based desktop deployment.

Add Roles and Features Wizard

Select destination server

Before You Begin
Installation Type – Server Selection – Server Roles – Features – Confirmation – Results

Select a server or a virtual hard disk on which to install roles and features.

- Select a server from the server pool
- Select a virtual hard disk

Server Pool

<table>
<thead>
<tr>
<th>Name</th>
<th>IP Address</th>
<th>Operating System</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC.RAMLAN.CA</td>
<td>192.168.0.2</td>
<td>Microsoft Windows Server 2019 Datacenter</td>
</tr>
</tbody>
</table>

1 Computer(s) found

This page shows servers that are running Windows Server 2012 or a newer release of Windows Server, and that have been added by using the Add Servers command in Server Manager. Offline servers and newly-added servers from which data collection is still incomplete are not shown.
## Print and Document Services

Print and Document Services enables you to centralize print server and network printer management tasks.

### Things to Note
- Windows Server 2019 supports print queues using either Type 3 or Type 4 printer drivers.
- Microsoft recommends using Type 4 printer drivers where possible. With Type 4 printer drivers, users who are not members of the local administrators group can connect to the printer by default, and users on 32-bit clients can connect without a 32-bit driver on the print server.
- To enable clients to connect to shared print queues supported using Type 3 printer drivers on the print server, you should use signed, package-aware drivers. If signed or package-aware drivers are unavailable, client users must either be local administrators or you must have already set the "Computer\Administrative Templates\Printers\Point and Print Restrictions" group policy to configure security prompts.
- If you are using Type 3 printer drivers and have any 32-bit clients, you must install the matching 32-bit version of the printer driver on the print server. If you do not install the 32-bit drivers, clients may not be able to successfully connect to the printer.

Learn more about the Printer Server Role

### Role Services

<table>
<thead>
<tr>
<th>Role services</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Print Server</td>
<td>Print Server includes the Print Management snap-in, which is used for managing multiple printers or print servers and migrating printers to and from other Windows print servers.</td>
</tr>
<tr>
<td>Internet Printing</td>
<td></td>
</tr>
<tr>
<td>LPD Service</td>
<td></td>
</tr>
</tbody>
</table>
Add Roles and Features Wizard

Confirm installation selections

To install the following roles, role services, or features on selected server, click Install.

- [ ] Restart the destination server automatically if required.

Optional features (such as administration tools) might be displayed on this page because they have been selected automatically. If you do not want to install these optional features, click Previous to clear their check boxes.

- Print and Document Services
  - Print Server
- Remote Server Administration Tools
  - Role Administration Tools
  - Print and Document Services Tools

Export configuration settings
Specify an alternate source path

Add Roles and Features Wizard

Installation progress

View installation progress

- Feature installation

  Installation succeeded on DC.RAMLAN.CA.

- Print and Document Services
  - Print Server
- Remote Server Administration Tools
  - Role Administration Tools
  - Print and Document Services Tools

You can close this wizard without interrupting running tasks. View task progress or open this page again by clicking Notifications in the command bar, and then Task Details.

Export configuration settings
Open ADUC and click find to look for printers in AD.

Now we will open Print Management from Administration Tools. As you can see the Epson network printer is already listed and ready for deployment through GPO.
Adding Driver x86:

Click Print Servers – Drivers – Right Click Add

Welcome to the Add Printer Driver Wizard

This wizard helps you install printer drivers for various platforms on a print server.

The appropriate printer drivers are then automatically installed on your computer or on other network computers when they connect to the print server.

To continue, click Next.

Processor Selection

Each processor uses its own set of printer drivers.

Select the processor of all computers that will be using this driver:

- ARM64
- x64
- x86
Add Printer Driver Wizard

Printer Driver Selection
The manufacturer and model determine which printer driver to use.

Select the manufacturer and model of the printer driver to install. If the driver you want is not listed, click Have Disk to select the driver you want.

If Windows Update is available, click it for more drivers for this processor.

Printers

EPSON WorkForce 630 Series

This driver is digitally signed.
Tell me why driver signing is important

Have Disk...

Add Printer Driver Wizard

Completing the Add Printer Driver Wizard

You have successfully completed the Add Printer Driver Wizard.

You are about to add the following drivers:
EPSON WorkForce 630 Series, x86, Type 3 - User Mode

To close this wizard, click Finish.
Now we can deploy this printer through GPO.
I logged into a client machine. Here is the network printer.

If you have a printer on the network connected to LAN – You can create TCP/IP Port and map the printer and deploy through GPO.

This concludes the print server and printer deployment through GPO.

Thanks

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