



Windows PowerShell Get-Help on Cmdlet 'Add-Printer'

PS:\>Get-HELP Add-Printer -Full

NAME

Add-Printer

SYNOPSIS

Adds a printer to the specified computer.

SYNTAX

```
Add-Printer [-Name] <String> [-AsJob] [-BranchOfficeOfflineLogSizeMB <UInt32>] [-CimSession <CimSession[]>]
[-Comment <String>] [-ComputerName <String>] [-Confirm]
[-Datatype <String>] [-DeviceURL <String>] [-DeviceUUID <String>] [-DisableBranchOfficeLogging] [-IppURL <String>]
[-KeepPrintedJobs] [-Location <String>]
[-PermissionSDDL <String>] [-PrintProcessor <String>] [-Priority <UInt32>] [-Published] [-RenderingMode {SSR | CSR |
BranchOffice}] [-SeparatorPageFile <String>]
[-Shared] [-ShareName <String>] [-StartTime <UInt32>] [-ThrottleLimit <Int32>] [-UntilTime <UInt32>] [-WorkflowPolicy
{Uninitialized | Disabled | Enabled}] [-Confirm]
[-WhatIf] [<CommonParameters>]
```

```
Add-Printer [-Name] <String> [-DriverName] <String> [-AsJob] [-BranchOfficeOfflineLogSizeMB <UInt32>] [-CimSession
<CimSession[]>] [-Comment <String>] [-ComputerName
```

```

    <String>] [-Confirm] [-Datatype <String>] [-DisableBranchOfficeLogging] [-KeepPrintedJobs] [-Location <String>]
[-PermissionSDDL <String>] -PortName <String>

    [-PrintProcessor <String>] [-Priority <UInt32>] [-Published] [-RenderingMode {SSR | CSR | BranchOffice}]
[-SeparatorPageFile <String>] [-Shared] [-ShareName <String>]

    [-StartTime <UInt32>] [-ThrottleLimit <Int32>] [-UntilTime <UInt32>] [-WorkflowPolicy {Uninitialized | Disabled | Enabled}]
[-Confirm] [-WhatIf] [<CommonParameters>]

Add-Printer [-ConnectionName] <String> [-AsJob] [-CimSession <CimSession[]>] [-Confirm] [-ThrottleLimit <Int32>]
[-Confirm] [-WhatIf] [<CommonParameters>]

```

DESCRIPTION

The Add-Printer cmdlet adds a printer to a specified computer. You can add both local printers and connections to network-based printers.

You cannot use wildcard characters with Add-Printer . You can use Add-Printer in a Windows PowerShell remoting session.

You may need administrative credentials to run Add-Printer .

PARAMETERS

-AsJob [<SwitchParameter>]

Runs the cmdlet as a background job. Use this parameter to run commands that take a long time to complete.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-BranchOfficeOfflineLogSizeMB <UInt32>

Specifies the maximum size, in megabytes, of the branch office remote offline log file for this printer. You cannot

specify this parameter for unshared queues or
queues that do not have branch office enabled.

Required?	false
Position?	named
Default value	None
Accept pipeline input?	False
Accept wildcard characters?	false

-CimSession <CimSession[]>

Runs the cmdlet in a remote session or on a remote computer. Enter a computer name or a session object, such as the output of a New-CimSession

(<https://go.microsoft.com/fwlink/p/?LinkId=227967>) or

[Get-CimSession](<https://go.microsoft.com/fwlink/p/?LinkId=227966>)cmdlet. The default is the current session on the local computer.

Required?	false
Position?	named
Default value	None
Accept pipeline input?	False
Accept wildcard characters?	false

-Comment <String>

Specifies the text to add to the Comment field for the specified printer.

Required?	false
Position?	named
Default value	None
Accept pipeline input?	False
Accept wildcard characters?	false

-ComputerName <String>

Specifies the name of the computer to which to add the printer.

Required? false
Position? named
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-Confirm [<SwitchParameter>]

Prompts you for confirmation before running the cmdlet.

Required? false
Position? named
Default value False
Accept pipeline input? False
Accept wildcard characters? false

-ConnectionName <String>

Specifies the name of a shared printer to which to connect. This parameter is required.

Required? true
Position? 0
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-Datatype <String>

Specifies the data type the printer uses to record print jobs.

Required? false
Position? named
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-DeviceURL <String>

Specifies a URL for the directed discovery of a Web Services on Devices (WSD) printer to add to the specified computer.s

Required?	false
Position?	named
Default value	None
Accept pipeline input?	False
Accept wildcard characters?	false

-DeviceUUID <String>

Specifies the multicast UUID for device detection for the WSD port.

Required?	false
Position?	named
Default value	None
Accept pipeline input?	False
Accept wildcard characters?	false

-DisableBranchOfficeLogging [<SwitchParameter>]

Indicates that branch office remote logging is disabled. You cannot specify this parameter for unshared queues.

Required?	false
Position?	named
Default value	False
Accept pipeline input?	False
Accept wildcard characters?	false

-DriverName <String>

Specifies the name of the printer driver for the printer.

Required?	true
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Position? 1
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-IppURL <String>

Specifies a URL or hostname or IP address for the directed discovery of an IPP (Internet Printing Protocol) printer to add to the specified computer.

Required? false
Position? named
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-KeepPrintedJobs [<SwitchParameter>]

Specifies whether the print jobs in the queue are kept.

Required? false
Position? named
Default value False
Accept pipeline input? False
Accept wildcard characters? false

-Location <String>

Specifies the location of the printer.

Required? false
Position? named
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-Name <String>

Specifies the name of the printer to add.

Required? true

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName, ByValue)

Accept wildcard characters? false

-PermissionSDDL <String>

Specifies the permissions for the printer as a Security Descriptor Definition Language (SDDL) string.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-PortName <String>

Specifies the name of the port that is used or created for the printer.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-PrintProcessor <String>

Specifies the name of the print processor used by the printer.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Priority <UInt32>

Specifies the relative queue priority.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Published [<SwitchParameter>]

Specifies whether the printer is published in the network directory service.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-RenderingMode <RenderingModeEnum>

Specifies the rendering mode for the printer. You can specify one of the following rendering modes:

- SSR, Service Side Rendering

- CSR.

Client Side Rendering - BranchOffice. Branch Office

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-SeparatorPageFile <String>

Specifies the path of and name of the separator page to be used by the printer.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Shared [<SwitchParameter>]

Indicates whether to share the printer on the network. You can determine the name by which the printer is shared by specifying ShareName . If ShareName is not

specified, the name of the printer is used as the share name.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-ShareName <String>

Specifies the name by which to share the printer on the network. To share a printer, specify the Shared parameter.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-StartTime <UInt32>

Specifies the starting time of printer availability.

Required?	false
Position?	named
Default value	None
Accept pipeline input?	False
Accept wildcard characters?	false

-ThrottleLimit <Int32>

Specifies the maximum number of concurrent operations that can be established to run the cmdlet. If this parameter is omitted or a value of `0` is entered, then

Windows PowerShell calculates an optimum throttle limit for the cmdlet based on the number of CIM cmdlets that are running on the computer. The throttle limit applies only to the current cmdlet, not to the session or to the computer.

Required?	false
Position?	named
Default value	None
Accept pipeline input?	False
Accept wildcard characters?	false

-UntilTime <UInt32>

Specifies the ending time of printer availability.

Required?	false
Position?	named
Default value	None
Accept pipeline input?	False
Accept wildcard characters?	false

-WorkflowPolicy <WorkflowPolicyEnum>

Enables an administrator to associate a given printer with a specific Workflow application. This parameter does not allow the administrator to override the

device-app association that was made using the device metadata service.

Required?	false
Position?	named
Default value	None
Accept pipeline input?	False
Accept wildcard characters?	false

-Confirm [<SwitchParameter>]

Prompts you for confirmation before running the cmdlet.

Required?	false
Position?	named
Default value	False
Accept pipeline input?	False
Accept wildcard characters?	false

-WhatIf [<SwitchParameter>]

Shows what would happen if the cmdlet runs. The cmdlet is not run.

Required?	false
Position?	named
Default value	False
Accept pipeline input?	False
Accept wildcard characters?	false

<CommonParameters>

This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see [about_CommonParameters \(https://go.microsoft.com/fwlink/?LinkID=113216\)](https://go.microsoft.com/fwlink/?LinkID=113216).

System.String

OUTPUTS

System.Object

NOTES

- The WhatIf switch doesn't work if the ConnectionName parameter set is used.

----- Example 1: Add a printer to a local computer -----

```
Add-Printer -Name "mxdw 2" -DriverName "Microsoft XPS Document Writer v4" -PortName "portprompt:"
```

This command adds a printer with name mxdw2 to the local computer. The mxdw printer uses the Microsoft XPS Document Writer v4 driver and the `portprompt:` port.

The `portprompt:` port prompts for a file name to save the XPS document when printing to the XPS printer.

----- Example 2: Add a new network printer connection -----

```
Add-Printer -ConnectionName \\printServer\printerName
```

This command adds a printer by specifying the name of a print server and a shared printer on that server.

RELATED LINKS

Online

Version:

https://learn.microsoft.com/powershell/module/printmanagement/add-printer?view=windowsserver2022-ps&wt.mc_id=ps-get-help

Set-Printer

Remove-Printer

Rename-Printer