



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

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

NAME

Get-Printer

SYNOPSIS

Retrieves a list of printers installed on a computer.

SYNTAX

Get-Printer [[-Name] <String[]>] [-AsJob] [-CimSession <CimSession[]>] [-ComputerName <String>] [-Full] [-ThrottleLimit <Int32>] [<CommonParameters>]

DESCRIPTION

The Get-Printer cmdlet retrieves a list of printers installed on a computer. You can also use Get-Printer to retrieve the properties of a single printer, and then use that information as input into other cmdlets.

You can use wildcard characters with Get-Printer . You can use a Get-Printer in a Windows PowerShell remoting session.

You do not need administrator credentials to run Get-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

`-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

`-ComputerName <String>`

Specifies the name of the computer from which to retrieve the printer information.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Full [<SwitchParameter>]

Specifies all the printer parameters to retrieve including RenderingMode and PermissionSDDL .

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

-Name <String[]>

Specifies the name of the printer about which to retrieve information.

Required?	false
Position?	0
Default value	None
Accept pipeline input?	True (ByPropertyName)
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

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>).

INPUTS

System.String[]

OUTPUTS

Microsoft.Management.Infrastructure.CimInstance

Microsoft.Management.Infrastructure.CimInstance#ROOT/StandardCimv2/MSFT_Printer

This cmdlet outputs one or more printer objects.

NOTES

----- Example 1: Get a list of printers -----

Get-Printer

This command retrieves a list of printers and printer connections on the local computer.

---- Example 2: Get the information for a specific printer ----

Get-Printer -Name "Microsoft XPS Document Writer"

This command retrieves information for one specific printer named Microsoft XPS Document Writer.

Example 3: Get the detailed information for a specific printer

```
Get-Printer -Name "Microsoft XPS Document Writer" | Format-List
```

This command retrieves detailed information for one specific printer named Microsoft XPS Document Writer.

---- Example 4: Get a list of printers on a remote computer ----

```
Get-Printer -ComputerName PrintServer
```

This command retrieves a list of printers from the computer named PrintServer.

Example 5: Get a list of printer objects and then rename the printers

```
$Printer = Get-Printer -Name "Microsoft XPS Document Writer"
```

```
Rename-Printer -InputObject $printer "MXDW"
```

The first command gets the printer named Microsoft XPS Document Writer, and then stores it in the \$Printer variable.

The second command renames the printer in \$Printer by using the Rename-Printer cmdlet.

RELATED LINKS

Online

Version:

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

Add-Printer

Set-Printer

Remove-Printer

Rename-Printer