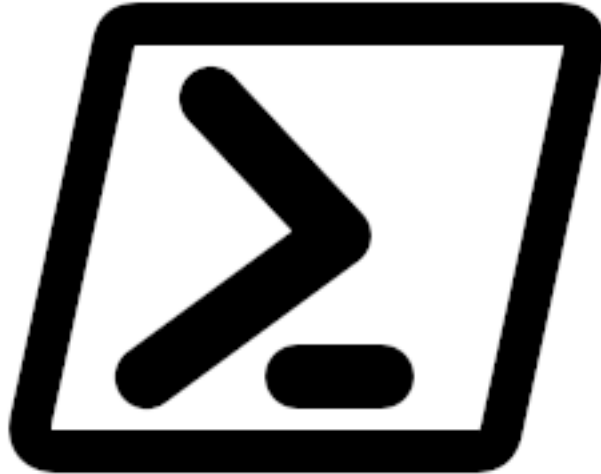


The Powershell Book Generator



PowerShell with PrintManagement

The PowerShell Book Generator - Andreas Nick 2019

<http://www.andreasnick.com>

<http://www.software-virtualisierung.de>

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Cmdlet: Add-Printer

Synops

Adds a printer to the specified computer.

Syntax

```
Add-Printer [-Name] <String> [-DriverName] <String>
    [-BranchOfficeOfflineLogSizeMB <UInt32>] [-CimSession
<CimSession[]>]
    [-Comment <String>] [-ComputerName <String>] [-Datatype
<String>]
    [-DisableBranchOfficeLogging] [-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>] -
PortName
    <String> [-Confirm] [-WhatIf] [<CommonParameters>]
```

```
Add-Printer [-Name] <String> [-BranchOfficeOfflineLogSizeMB
<UInt32>]
    [-CimSession <CimSession[]>] [-Comment <String>] [-
ComputerName <String>]
    [-Datatype <String>] [-DeviceURL <String>] [-DeviceUUID
<String>]
    [-DisableBranchOfficeLogging] [-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>] [-
Confirm]
    [-WhatIf] [<CommonParameters>]
```

```
Add-Printer [-ConnectionName] <String> [-CimSession
<CimSession[]>]
    [-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 do not need administrative credentials to run Add-Printer.

Parameters

Parameter :**BranchOfficeOfflineLogSizeMB**

Description :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

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :**Comment**

Description :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

Parameter :**ComputerName**

Description :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

Parameter :**ConnectionName**

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

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

Parameter :**Datatype**

Description :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

Parameter :**DeviceURL**

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

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

Parameter :**DeviceUUID**

Description :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

Parameter :**DisableBranchOfficeLogging**

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

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

Parameter :**DriverName**

Description :Specifies the name of the printer driver for the printer.

Required	true
Position	2
Default value	none
Accept pipeline input?	false
Accept wildcard characters?	false

Parameter :**KeepPrintedJobs**

Description :Specifies whether the print jobs in the queue are kept.

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

Parameter :**Location**

Description :Specifies the location of the printer.

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

Parameter :**Name**

Description :Specifies the name of the printer to add.

Required	true
Position	1
Default value	none
Accept pipeline input?	True (ByValue, ByPropertyName)
Accept wildcard characters?	false

Parameter :**PermissionSDDL**

Description :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
-----------------------------	-------

Parameter :**PortName**

Description :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

Parameter :**PrintProcessor**

Description :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

Parameter :**Priority**

Description :Specifies the relative queue priority.

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

Parameter :**Published**

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

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

Parameter :**RenderingMode**

Description :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

Parameter :**SeparatorPageFile**

Description :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

Parameter :**ShareName**

Description :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

Parameter :**Shared**

Description :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	none
Accept pipeline input?	false
Accept wildcard characters?	false

Parameter :**StartTime**

Description :Specifies the starting time of printer availability.

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

Parameter :**ThrottleLimit**

Description :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

Parameter :**UntilTime**

Description :Specifies the ending time of printer availability.

Required	false
Position	named
Default value	none
Accept pipeline input?	false

Accept wildcard characters?	false
-----------------------------	-------

Parameter :**Confirm**

Description :Prompts you for confirmation before running the cmdlet.Prompts you for confirmation before running the cmdlet.

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

Parameter :**WhatIf**

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

Inputs

This cmdlet takes no input objects.

Type :

Outputs

This cmdlet produces no output.

Type :

Examples

Example 1: Add a printer to a local computer

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.

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

Example 2: Add a new network printer connection

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

```
PS C:\> Add-Printer -ConnectionName \\printServer\printerName
```

Cmdlet: Add-PrinterDriver

Synops

Installs a printer driver on the specified computer.

Syntax

```
Add-PrinterDriver [-Name] <String> [[-InfPath] <String>] [-CimSession  
    <CimSession[]>] [-ComputerName <String>] [-PrinterEnvironment  
<String>]  
    [-ThrottleLimit <Int32>] [-Confirm] [-WhatIf]  
[<CommonParameters>]
```

Description

The Add-PrinterDriver cmdlet installs a printer driver on the specified computer.

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

You need administrator credentials to run Add-PrinterDriver.

Parameters

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :**ComputerName**

Description :Specifies the name of the computer on which to install the printer driver.

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

Parameter :InfPath

Description :Specifies the path of the printer driver INF file in the driver store. INF files contain information about the printer and the printer driver.

Required	false
Position	2
Default value	none
Accept pipeline input?	false
Accept wildcard characters?	false

Parameter :Name

Description :Specifies the name of the printer driver.

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

Parameter :PrinterEnvironment

Description :Specifies the printer driver environment.

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

Parameter :ThrottleLimit

Description :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

Parameter :**Confirm**

Description :Prompts you for confirmation before running the cmdlet.Prompts you for confirmation before running the cmdlet.

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

Parameter :**WhatIf**

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

Inputs

This cmdlet takes no input objects.

Type :

Outputs

This cmdlet produces no output.

Type :

Examples

Example 1: Add a printer driver

This command installs the printer driver specified by the Name parameter on the local computer.

```
PS C:\> Add-PrinterDriver -Name "Driver Name"
```

Example 2: Add a printer driver on remote computer

This command installs the printer driver specified by Name on the remote computer specified by the ComputerName parameter.

```
PS C:\> Add-PrinterDriver -Name "Driver Name" -ComputerName  
"printServer"
```

Cmdlet: Add-PrinterPort

Synops

Installs a printer port on the specified computer.

Syntax

```
Add-PrinterPort [-Name] <String> [-CimSession <CimSession[]>]
    [-ComputerName <String>] [-ThrottleLimit <Int32>] [-Confirm]
[-WhatIf]
    [<CommonParameters>]
```

```
Add-PrinterPort [-Name] <String> [-PrinterHostAddress] <String>
    [-CimSession <CimSession[]>] [-ComputerName <String>] [-
PortNumber
    <UInt32>] [-SNMP <UInt32>] [-SNMPCommunity <String>] [-
ThrottleLimit
    <Int32>] [-Confirm] [-WhatIf] [<CommonParameters>]
```

```
Add-PrinterPort [-HostName] <String> [-PrinterName] <String> [-
CimSession
    <CimSession[]>] [-ComputerName <String>] [-ThrottleLimit
<Int32>]
    [-Confirm] [-WhatIf] [<CommonParameters>]
```

```
Add-PrinterPort [-Name] <String> [-LprHostAddress] <String>
    [-LprQueueName] <String> [-CimSession <CimSession[]>] [-
ComputerName
    <String>] [-LprByteCounting] [-SNMP <UInt32>] [-SNMPCommunity
<String>]
    [-ThrottleLimit <Int32>] [-Confirm] [-WhatIf]
[<CommonParameters>]
```

Description

The Add-PrinterPort cmdlet creates a printer port on the specified computer. You can

create a local printer port, a printer port using TCP, and LPR printer ports by using Add-PrinterPort.

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

You do not need administrator credentials to run Add-PrinterPort.

Parameters

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :**ComputerName**

Description :Specifies the name of the computer to which to add the printer port. If you do not specify a value, the printer port is added to the local computer.

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

Parameter :**HostName**

Description :Specifies the host name of the computer on which to add LPR printer port.

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

Parameter :**LprByteCounting**

Description :Indicates that this cmdlet enables LPR byte counting for a TCP/IP printer port in LPR mode.

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

Parameter :**LprHostAddress**

Description :Specifies the LPR host address when installing a TCP/IP printer port in LPR mode.

Required	true
Position	2
Default value	none
Accept pipeline input?	false
Accept wildcard characters?	false

Parameter :**LprQueueName**

Description :Specifies the LPR queue name when installing a TCP/IP printer port in LPR mode.

Required	true
Position	3
Default value	none
Accept pipeline input?	false
Accept wildcard characters?	false

Parameter :**Name**

Description :Specifies the name of the printer port to install on the specified computer.

Required	true
Position	1
Default value	none
Accept pipeline input?	false

Accept wildcard characters?	false
-----------------------------	-------

Parameter :**PortNumber**

Description :Specifies the TCP/IP port number for the printer port added to the specified computer.

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

Parameter :**PrinterHostAddress**

Description :Specifies the host address of the TCP/IP printer port added to the specified computer.

Required	true
Position	2
Default value	none
Accept pipeline input?	false
Accept wildcard characters?	false

Parameter :**PrinterName**

Description :Specifies the name of the printer installed on the LPR printer port.

Required	true
Position	2
Default value	none
Accept pipeline input?	false
Accept wildcard characters?	false

Parameter :**SNMP**

Description :Enables SNMP and specifies the index for TCP/IP printer port management.

Required	false
Position	named
Default value	none

Accept pipeline input?	false
Accept wildcard characters?	false

Parameter :**SNMPCommunity**

Description :Specifies the SNMP community name for TCP/IP printer port management.

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

Parameter :**ThrottleLimit**

Description :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

Parameter :**Confirm**

Description :Prompts you for confirmation before running the cmdlet.Prompts you for confirmation before running the cmdlet.

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

Parameter :**WhatIf**

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

Inputs

This cmdlet accepts no input objects.

Type : None

Outputs

This cmdlet returns an object that contains the new printer port.

Type :

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

Examples

Example 1: Create a local printer port

This command creates a local printer port named LocalPort on the local computer.

```
PS C:\> Add-PrinterPort -Name "LocalPort:"
```

Example 2: Create a TCP printer port

This command creates a TCP printer port named TCPPort: with an IP address of 192.168.100.100 on the computer.

```
PS C:\> Add-PrinterPort -Name "TCPPort:" -PrinterHostAddress "192.168.100.100"
```

Cmdlet: Get-PrintConfiguration

Synops

Gets the configuration information of a printer.

Syntax

```
Get-PrintConfiguration [-PrinterName] <String> [-CimSession  
    <CimSession[]>] [-ComputerName <String>] [-ThrottleLimit  
<Int32>]  
    [<CommonParameters>]
```

```
Get-PrintConfiguration [-PrinterObject] <CimInstance> [-  
CimSession  
    <CimSession[]>] [-ThrottleLimit <Int32>] [<CommonParameters>]
```

Description

The Get-PrintConfiguration cmdlet gets the configuration information about the specified printer. Using Get-PrintConfiguration cmdlet, you can manage the configuration of the following features:

- Collate
- Color
- Duplexing Mode
- N-Up
- Paper Size

You cannot use wildcard characters with Get-PrintConfiguration. You can use Get-PrintConfiguration in a Windows PowerShell remoting session.

You do not need administrator credentials to run Get-PrintConfiguration.

Parameters

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :ComputerName

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

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByValue, ByPropertyName)
Accept wildcard characters?	false

Parameter :PrinterName

Description :Specifies the name of the printer from which to retrieve the configuration information.

Required	true
Position	1
Default value	none
Accept pipeline input?	True (ByValue, ByPropertyName)
Accept wildcard characters?	false

Parameter :PrinterObject

Description :Specifies the object which contains the printer from which to retrieve configuration information.

Required	true
Position	1
Default value	none
Accept pipeline input?	True (ByValue, ByPropertyName)
Accept wildcard characters?	false

Parameter :ThrottleLimit

Description :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

Inputs

This cmdlet accepts one printer object.

Type :

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

Outputs

This cmdlet returns a printer configuration object.

Type : Microsoft.Management.Infrastructure.CimInstance#MSFT_PrinterConfiguration

Examples

Example 1: Get the printer configuration

This command returns the printer configuration for the printer named Microsoft XPS Document Writer.

```
PS C:\> Get-PrintConfiguration -PrinterName "Microsoft XPS Document Writer"
```

Example 2: Get the print configuration for all printers

This command gets all the printers into a variable \$Printers and then loops through all the printers and displays the properties.

```
PS C:\>$Printers = Get-Printer * Foreach ($Printer in $Printers){ Get-PrintConfiguration -PrinterName $Printer.name -DuplexingMode "TwoSidedLongEdge"}
```


Cmdlet: Get-Printer

Synops

Retrieves a list of printers installed on a computer.

Syntax

```
Get-Printer [[-Name] <String[]>] [-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

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :**ComputerName**

Description :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

Parameter :Full

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

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

Parameter :Name

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

Required	false
Position	1
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter :ThrottleLimit

Description :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

Inputs

This cmdlet accepts no input objects.

Type : None

Outputs

This cmdlet outputs one or more printer objects.

Type :

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

Examples

Example 1: Get a list of printers

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

```
PS C:\> Get-Printer
```

Example 2: Get the information for a specific printer

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

```
PS C:\>Get-Printer -Name "Microsoft XPS Document Writer"
```

Example 3: Get the detailed information for a specific printer

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

```
PS C:\>Get-Printer -Name "Microsoft XPS Document Writer" |  
Format-List
```

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

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

```
PS C:\>Get-Printer -ComputerName PrintServer
```

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

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.

```
PS C:\>$Printer = Get-Printer -Name "Microsoft XPS Document  
Writer"  
PS C:\> Rename-Printer -InputObject $printer "MXDW"
```

Cmdlet: Get-PrinterDriver

Synops

Retrieves the list of printer drivers installed on the specified computer.

Syntax

```
Get-PrinterDriver [[-Name] <String[]>] [-CimSession  
<CimSession[]>]  
    [-ComputerName <String>] [-PrinterEnvironment <String[]>] [-  
ThrottleLimit  
    <Int32>] [<CommonParameters>]
```

Description

The Get-PrinterDriver cmdlet retrieves the list of printer drivers installed on the specified computer. The Get-PrinterDriver cmdlet returns a printer driver object that you can store in a variable to use with other cmdlets. You can specify the ComputerName parameter to list the printer drivers installed on another computer.

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

You do not need administrator credentials to run Get-PrinterDriver.

Parameters

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :**ComputerName**

Description :Specifies the name of the computer from which to retrieve the printer drivers.

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

Parameter :**Name**

Description :Specifies the name of the printer driver to retrieve.

Required	false
Position	1
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter :**PrinterEnvironment**

Description :Specifies the printer driver environment.

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

Parameter :**ThrottleLimit**

Description :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

Inputs

This cmdlet accepts no input objects.

Type : None

Outputs

This cmdlet returns one or more printer driver objects.

Type :

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

Examples

Example 1: Get a list of printer drivers using wildcard characters

This command returns a list of printer drivers installed on the local computer by using wildcard characters.

```
PS C:\>Get-PrinterDriver -Name *
```

Example 2: Get a list of printer drivers on a remote computer

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

```
PS C:\>Get-PrinterDriver -Name * -ComputerName "PrintServer"
```

Example 3: Get detailed information about each driver

This command displays the detailed information for each printer driver. Get-PrinterDriver displays a summarized view of each printer driver queried.

```
PS C:\>Get-PrinterDriver -Name "Microsoft XPS Document Writer"  
| Format-List
```

Example 4: Get a printer driver object

This command retrieves a printer driver object that you can use with other cmdlets. The printer driver object is stored in the \$PrinterDriver variable.

```
PS C:\>$PrinterDriver = Get-PrinterDriver -Name "Microsoft XPS  
Document Writer v4"
```

Cmdlet: Get-PrinterPort

Synops

Retrieves a list of printer ports installed on the specified computer.

Syntax

```
Get-PrinterPort [[-Name] <String[]>] [-CimSession <CimSession[]>]  
  
    [-ComputerName <String>] [-ThrottleLimit <Int32>]  
[<CommonParameters>]
```

Description

The Get-PrinterPort cmdlet retrieves a list of printer ports that are installed on the specified computer.

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

You do not need administrator credentials to run Get-PrinterPort.

Parameters

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :**ComputerName**

Description :Specifies the name of the computer from which to retrieve the list of printer ports.

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

Parameter :**Name**

Description :Specifies the name of the printer port about which to retrieve information. You can use wildcard characters to specify the printer port name.

Required	false
Position	1
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter :**ThrottleLimit**

Description :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

Inputs

This cmdlet accepts no input objects.

Type : None

Outputs

This cmdlet returns one or more printer port objects.

Type :

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

Port

Cmdlet: Get-PrinterProperty

Synops

Retrieves printer properties for the specified printer.

Syntax

```
Get-PrinterProperty [-PrinterName] <String> [[-PropertyName]
<String[]>]
    [-CimSession <CimSession[]>] [-ComputerName <String>] [-
ThrottleLimit
    <Int32>] [<CommonParameters>]
```

Description

The Get-PrinterProperty cmdlet retrieves one or more printer properties for the specified printer.

You cannot use wildcard characters with Get-PrinterProperty. You can use Get-PrinterProperty in a Windows PowerShell remoting session.

You need administrator credentials to run Get-PrinterProperty.

Parameters

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :**ComputerName**

Description :Specifies the name of the computer from which to retrieve the printer properties.

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

Parameter :PrinterName

Description :Specifies the name of the printer from which to retrieve the printer properties.

Required	true
Position	1
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter :PropertyName

Description :Specifies the property name to retrieve.

Required	false
Position	2
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter :ThrottleLimit

Description :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

Inputs

This cmdlet accepts no input objects.

Type : None

Outputs

This cmdlet returns a printer property object.

Type :

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

Examples

Example 1: Get printer properties

This command returns a list of properties for the printer specified by the PrinterName parameter.

```
PS C:\> Get-PrinterProperty -PrinterName "Printer name"
```

Example 2: Get printer properties for all installed printers

This command gets all the printers into a variable \$Printers and then loops through all the printers and displays the properties.

```
PS C:\>$Printers = Get-Printer *
Foreach ($Printer in $Printers){
    Get-PrinterProperty -PrinterName $Printer.name
}
```

Cmdlet: Get-PrintJob

Synops

Retrieves a list of print jobs in the specified printer.

Syntax

```
Get-PrintJob [-PrinterObject] <CimInstance> [-CimSession  
<CimSession[]>]  
    [-ID <UInt32>] [-ThrottleLimit <Int32>] [<CommonParameters>]
```

```
Get-PrintJob [-PrinterName] <String> [-CimSession <CimSession[]>]  
  
    [-ComputerName <String>] [-ID <UInt32>] [-ThrottleLimit  
<Int32>]  
    [<CommonParameters>]
```

Description

The Get-PrintJob cmdlet retrieves the current print jobs in the specified printer. Specify the PrinterName parameter to list the print jobs from the specified printer.

You cannot use wildcard characters with Get-PrintJob. You can use Get-PrintJob in a Windows PowerShell remoting session.

You do not need administrator credentials to run Get-PrintJob.

Parameters

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :**ComputerName**

Description :Specifies the name of the computer from which to retrieve the print job information.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter :**ID**

Description :Specifies the ID of the print job to retrieve. You can use wildcard characters.

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

Parameter :**PrinterName**

Description :Specifies the name of the printer from which to retrieve the print job information.

Required	true
Position	1
Default value	none
Accept pipeline input?	True (ByValue, ByPropertyName)
Accept wildcard characters?	false

Parameter :**PrinterObject**

Description :Specifies the printer object from which to retrieve the print job information.

Required	true
Position	1
Default value	none

Accept pipeline input?	True (ByValue, ByPropertyName)
Accept wildcard characters?	false

Parameter :**ThrottleLimit**

Description : 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

Inputs

This cmdlet accepts one printer object.

Type :

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

Outputs

This cmdlet returns one or more print job objects.

Type :

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

Examples

Example 1: Get a list of print jobs

This command retrieves a list of print jobs on the printer named PrinterName.

```
PS C:\> Get-PrintJob -PrinterName "PrinterName"
```

Example 2: Get a list of print jobs using a printer object

The first command gets a printer named PrinterName: by using the Get-Printer cmdlet.

The command stores the result in the \$Printer variable.

The second command gets print jobs on the printer in \$Printer.

```
PS C:\> $Printer = Get-Printer -Name "PrinterName:"  
PS C:\> Get-PrintJob -InputObject $Printer
```

Cmdlet: Read-PrinterNfcTag

Synops

Reads information about printers from an NFC tag.

Syntax

```
Read-PrinterNfcTag [-CimSession <CimSession[]>] [-ThrottleLimit  
<Int32>]  
[<CommonParameters>]
```

Description

The Read-PrinterNfcTag cmdlet reads information about printers from the near field communication (NFC) tag that anyone taps against the default NFC reader for the system. The cmdlet returns the printer information that it reads as a table that contains the value of the SharePath property and the value and the wsdAddress property for the printers.

Parameters

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :**ThrottleLimit**

Description :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

Inputs

Type :

Outputs

Type :

Examples

Example 1: Read an NFC tag

This first command reads printer connection data from the next NFC tag that someone taps against the NFC reader. The command stores the printer information in the \$Tag variable.

The second command uses the Write-PrinterNfcTag to write the printer connection information stored in \$Tag to an NFC tag.

```
PS C:\> $Tag = Read-PrinterNfcTag
PS C:\> Write-PrinterNfcTag $Tag
```

Example 2: Modify the share path of a printer connection

This first command reads printer connection information from the next NFC tag that someone taps against the NFC reader. The command stores the printer information in the \$Tag variable.

The second command changes the share path of the shared printers stored in \$Tag. The command uses standard dot syntax to access the SharePaths property of the object stored in \$Tag.

```
PS C:\> $Tag = Read-PrinterNfcTag
PS C:\> $Tag.SharePaths = "\\ntprint\b27-3697-b"
```

Cmdlet: Remove-Printer

Synops

Removes a printer from the specified computer.

Syntax

```
Remove-Printer [-Name] <String[]> [-CimSession <CimSession[]>]  
    [-ComputerName <String>] [-PassThru] [-ThrottleLimit <Int32>]  
[-Confirm]  
    [-WhatIf] [<CommonParameters>]
```

```
Remove-Printer [-CimSession <CimSession[]>] [-PassThru] [-  
ThrottleLimit  
    <Int32>] [-Confirm] [-WhatIf] [<CommonParameters>]
```

Description

The Remove-Printer cmdlet deletes a printer from the specified computer. You can specify the printer to remove by using either a printer object retrieved by Get-Printer, or by specifying a printer name.

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

You do not need administrator credentials to run Remove-Printer.

Parameters

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :**ComputerName**

Description :Specifies the name of the computer from which to remove the printer.

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

Parameter :**Name**

Description :Specifies the name of the printer to remove.

Required	true
Position	1
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter :**PassThru**

Description :Returns an object representing the item with which you are working. By default, this cmdlet does not generate any output.

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

Parameter :**ThrottleLimit**

Description :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

Parameter :**Confirm**

Description :Prompts you for confirmation before running the cmdlet.Prompts you for confirmation before running the cmdlet.

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

Parameter :**WhatIf**

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

Inputs

This cmdlet accepts one printer object.

Type :

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

Outputs

By default, this cmdlet produces no output.

Type :

Examples

Example 1: Remove a specific printer

This command removes the printer named Microsoft XPS Document Writer from the local

computer.

```
PS C:\> Remove-Printer -Name "Microsoft XPS Document Writer"
```

Example 2: Remove a specific printer using a printer object

The first command gets the printer named Microsoft XPS Document Writer by using the Get-Printer cmdlet. The command stores the result in the \$Printer variable.

The second command removes the printer in \$Printer.

```
PS C:\>$Printer = Get-Printer -Name "Microsoft XPS Document  
Writer"  
PS C:\> Remove-Printer -InputObject $Printer
```

Cmdlet: Remove-PrinterDriver

Synops

Deletes printer driver from the specified computer.

Syntax

```
Remove-PrinterDriver [-Name] <String[]> [[-PrinterEnvironment]
<String[]>]
    [-CimSession <CimSession[]>] [-ComputerName <String>] [-
PassThru]
    [-RemoveFromDriverStore] [-ThrottleLimit <Int32>] [-Confirm]
[-WhatIf]
    [<CommonParameters>]
```

```
Remove-PrinterDriver [-CimSession <CimSession[]>] [-PassThru]
    [-ThrottleLimit <Int32>] [-Confirm] [-WhatIf]
[<CommonParameters>]
```

Description

The Remove-PrinterDriver cmdlet deletes a printer driver from the specified computer. You can specify the printer driver to remove by using either a printer object retrieved by Get-Printer, or by specifying a printer name.

You can use wildcard characters with Remove-PrinterDriver. You can use Remove-PrinterDriver in a Windows PowerShell remoting session.

You need administrator credentials to run Remove-PrinterDriver.

Parameters

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :**ComputerName**

Description :Specifies the computer name from which to remove the printer driver.

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

Parameter :**Name**

Description :Specifies the name of the printer driver to remove.

Required	true
Position	1
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter :**PassThru**

Description :Returns an object representing the item with which you are working. By default, this cmdlet does not generate any output.

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

Parameter :**PrinterEnvironment**

Description :Specifies the printer driver environment.

Required	false
Position	2

Default value	none
Accept pipeline input?	false
Accept wildcard characters?	false

Parameter :RemoveFromDriverStore

Description :Specifies whether to remove the printer driver from the driver store.

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

Parameter :ThrottleLimit

Description :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

Parameter :Confirm

Description :Prompts you for confirmation before running the cmdlet.Prompts you for confirmation before running the cmdlet.

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

Parameter :WhatIf

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

Inputs

This cmdlet accepts one printer driver object.

Type :

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

Outputs

By default, this cmdlet produces no output.

Type :

Cmdlet: Remove-PrinterPort

Synops

Removes the specified printer port from the specified computer.

Syntax

```
Remove-PrinterPort [-Name] <String[]> [-CimSession  
<CimSession[]>]  
    [-ComputerName <String>] [-PassThru] [-ThrottleLimit <Int32>]  
[-Confirm]  
    [-WhatIf] [<CommonParameters>]
```

```
Remove-PrinterPort [-CimSession <CimSession[]>] [-PassThru]  
    [-ThrottleLimit <Int32>] [-Confirm] [-WhatIf]  
[<CommonParameters>]
```

Description

The Remove-PrinterPort cmdlet removes the specified printer port from the specified computer.

You can remove a printer port by specifying the port name, or you can use a printer object retrieved using Get-PrinterPort.

You can use wildcard characters with Remove-PrinterPort. You can use Remove-PrinterPort in a Windows PowerShell remoting session.

You do not need administrator credentials to run Remove-PrinterPort.

Parameters

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :**ComputerName**

Description :Specifies the name of the computer from which to remove the printer port.

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

Parameter :**Name**

Description :Specifies the name of the printer port to remove.

Required	true
Position	1
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter :**PassThru**

Description :Returns an object representing the item with which you are working. By default, this cmdlet does not generate any output.

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

Parameter :**ThrottleLimit**

Description :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

Parameter :**Confirm**

Description :Prompts you for confirmation before running the cmdlet.Prompts you for confirmation before running the cmdlet.

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

Parameter :**WhatIf**

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

Inputs

This cmdlet accepts a printer port object.

Type :

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

Outputs

By default, this cmdlet produces no output objects.

Type :

Cmdlet: Remove-PrintJob

Synops

Removes a print job on the specified printer.

Syntax

```
Remove-PrintJob [-PrinterName] <String> [-ID] <UInt32> [-CimSession  
    <CimSession[]>] [-ComputerName <String>] [-ThrottleLimit  
<Int32>]  
    [-Confirm] [-WhatIf] [<CommonParameters>]
```

```
Remove-PrintJob [-CimSession <CimSession[]>] [-ThrottleLimit  
<Int32>]  
    [-Confirm] [-WhatIf] [<CommonParameters>]
```

```
Remove-PrintJob [-PrinterObject] <CimInstance> [-ID] <UInt32> [-CimSession  
    <CimSession[]>] [-ThrottleLimit <Int32>] [-Confirm] [-WhatIf]  
  
    [<CommonParameters>]
```

Description

The Remove-PrintJob cmdlet removes a print job on the specified printer.

You can specify the print job to remove by specifying the PrinterName and job ID parameters, by specifying the printer object and job ID parameter, or by specifying a print job object as an input.

You cannot use wildcard characters with Remove-PrintJob. You can use Remove-PrintJob in a Windows PowerShell remoting session.

You do not need administrator credentials to run Remove-PrintJob.

Parameters

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :ComputerName

Description :Specifies the name of the computer on which to remove the print job.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter :ID

Description :Specifies the ID of a print job to remove on the specified printer.

Required	true
Position	2
Default value	none
Accept pipeline input?	false
Accept wildcard characters?	false

Parameter :PrinterName

Description :Specifies a printer name on which to remove the print job.

Required	true
Position	1
Default value	none
Accept pipeline input?	True (ByValue, ByPropertyName)
Accept wildcard characters?	false

Parameter :**PrinterObject**

Description :Specifies the object which contains the printer on which to remove the print job.

Required	true
Position	1
Default value	none
Accept pipeline input?	True (ByValue, ByPropertyName)
Accept wildcard characters?	false

Parameter :**ThrottleLimit**

Description :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

Parameter :**Confirm**

Description :Prompts you for confirmation before running the cmdlet.Prompts you for confirmation before running the cmdlet.

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

Parameter :**WhatIf**

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

Inputs

This cmdlet accepts one print job object.

Type :

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

Examples

Example 1: Remove a selected print job

This command removes the print job that has an ID of 1 on the printer named PrinterName.

```
PS C:\> Remove-PrintJob -PrinterName "PrinterName" -ID 1
```

Example 2: Remove a print job using printer object and the print job ID

The first command gets the printer named PrinterName by using the Get-Printer cmdlet. The command stores the result in the \$Printer variable.

The second command removes the print job that has an ID of 1 from the printer in \$Printer.

```
PS C:\> $Printer = Get-Printer -PrinterName "PrinterName"
PS C:\> Remove-PrintJob -PrinterObject $Printer -ID "1"
```

Example 3: Remove a print job using a print job object

The first command gets a print job that has an ID of 1 on the printer named PrinterName by using the Get-PrintJob cmdlet. The command stores the job in the \$PrintJob variable.

The second job removes the print job in \$PrintJob.

```
PS C:\> $printJob = Get-PrintJob - PrinterName "PrinterName" -
ID 1
PS C:\> Remove-PrintJob -InputObject $printJob
```


Cmdlet: Rename-Printer

Synops

Renames the specified printer.

Syntax

```
Rename-Printer [-Name] <String> [-NewName] <String> [-CimSession  
    <CimSession[]>] [-ThrottleLimit <Int32>] [-Confirm] [-WhatIf]  
  
    [<CommonParameters>]
```

```
Rename-Printer [-NewName] <String> [-CimSession <CimSession[]>]  
    [-ThrottleLimit <Int32>] [-Confirm] [-WhatIf]  
    [<CommonParameters>]
```

Description

The Rename-Printer cmdlet renames the specified printer on a computer. You can specify the printer to rename by using either a printer object retrieved by the Get-Printer cmdlet, or by specifying a printer name.

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

You need administrator credentials to run Rename-Printer.

Parameters

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :**Name**

Description :Specifies the name of the printer to rename.

Required	true
Position	1
Default value	none
Accept pipeline input?	True (ByValue, ByPropertyName)
Accept wildcard characters?	false

Parameter :**NewName**

Description :Specifies the new name of the printer.

Required	true
Position	2
Default value	none
Accept pipeline input?	True (ByValue, ByPropertyName)
Accept wildcard characters?	false

Parameter :**ThrottleLimit**

Description :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

Parameter :**Confirm**

Description :Prompts you for confirmation before running the cmdlet.Prompts you for confirmation before running the cmdlet.

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

Parameter :**WhatIf**

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

Inputs

This cmdlet accepts one printer object.

Type :

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

Outputs

This cmdlet produces no output.

Type :

Examples

Example 1: Rename a printer

This command renames the Microsoft XPS Document Writer printer name as MXDW.

```
PS C:\> Rename-Printer -Name "Microsoft XPS Document Writer"
-NewName "MXDW"
```

Example 2: Rename a printer by using a printer object

The first command gets a printer named Microsoft XPS Document Writer by using Get-Printer. The command stores the result in the \$Printer variable.

The second command renames the printer in \$Printer as MXDW.

```
PS C:\>$Printer = Get-Printer -Name "Microsoft XPS Document  
Writer"  
PS C:\> Rename-Printer -InputObject $Printer -NewName "MXDW"
```

Cmdlet: Restart-PrintJob

Synops

Restarts a print job on the specified printer.

Syntax

```
Restart-PrintJob [-PrinterObject] <CimInstance> [-ID] <UInt32>  
    [-CimSession <CimSession[]>] [-ThrottleLimit <Int32>] [-  
Confirm] [-WhatIf]  
    [<CommonParameters>]
```

```
Restart-PrintJob [-CimSession <CimSession[]>] [-ThrottleLimit  
<Int32>]  
    [-Confirm] [-WhatIf] [<CommonParameters>]
```

```
Restart-PrintJob [-PrinterName] <String> [-ID] <UInt32> [-  
CimSession  
    <CimSession[]>] [-ComputerName <String>] [-ThrottleLimit  
<Int32>]  
    [-Confirm] [-WhatIf] [<CommonParameters>]
```

Description

The Restart-PrintJob cmdlet restarts a print job on the specified printer.

You can specify the print job to restart by specifying the PrinterName and ID parameters, by specifying printer object and job ID parameter, or by specifying the job object as an input.

You cannot use wildcard characters with Restart-PrintJob. You can use Restart-PrintJob in a Windows PowerShell remoting session.

You do not need administrator credentials to use Restart-PrintJob.

Parameters

Parameter :**CimSession**

Description :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 or Get-

CimSession 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

Parameter :**ComputerName**

Description :Specifies the name of the computer on which to restart the print job.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter :**ID**

Description :Specifies the ID of the print job to restart on the specified printer. You can use wildcard characters.

Required	true
Position	2
Default value	none
Accept pipeline input?	false
Accept wildcard characters?	false

Parameter :**PrinterName**

Description :Specifies the printer name on which to restart the print job.

Required	true
Position	1
Default value	none
Accept pipeline input?	True (ByValue, ByPropertyName)
Accept wildcard characters?	false

Parameter :**PrinterObject**

Description :Specifies the printer object which contains the printer on which to restart the print job.

Required	true
Position	1
Default value	none
Accept pipeline input?	True (ByValue, ByPropertyName)
Accept wildcard characters?	false

Parameter :**ThrottleLimit**

Description :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

Parameter :**Confirm**

Description :Prompts you for confirmation before running the cmdlet.Prompts you for confirmation before running the cmdlet.

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

Parameter :**WhatIf**

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

Inputs

This cmdlet accepts one print job object.

Type :

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

Outputs

This cmdlet produces no output.

Type :

Examples

Example 1: Restart a selected print job

This command restarts the print job that has an ID of 1 on the printer named PrinterName.

```
PS C:\> Restart-PrintJob -PrinterName "PrinterName" -ID 1
```

Example 2: Restart a print job by using printer object and the print job ID

The first command gets a printer named PrinterName by using the Get-Printer cmdlet. The command stores the result in the \$Printer variable.

The second command restarts the print job that has the ID 1 on the printer in \$Printer.

```
PS C:\> $Printer = Get-Printer -PrinterName "PrinterName"
PS C:\> Restart-PrintJob -PrinterObject $Printer -ID 1
```

Example 3: Restart print job using job object

The first command gets a printer job that has the ID on a printer named PrinterName by using the Get-PrintJob cmdlet. The command stores the result in the \$PrintJob variable.

The second command restarts the print job in \$PrintJob.

```
PS C:\>$PrintJob = Get-PrintJob -PrinterName "PrinterName" -ID  
1  
PS C:\> Restart-PrintJob -InputObject $PrintJob
```

Cmdlet: Resume-PrintJob

Synops

Resumes a suspended print job.

Syntax

```
Resume-PrintJob [-ID] <UInt32> [-PrinterName] <String> [-CimSession  
    <CimSession[]>] [-ComputerName <String>] [-ThrottleLimit  
<Int32>]  
    [-Confirm] [-WhatIf] [<CommonParameters>]
```

```
Resume-PrintJob [-CimSession <CimSession[]>] [-ThrottleLimit  
<Int32>]  
    [-Confirm] [-WhatIf] [<CommonParameters>]
```

```
Resume-PrintJob [-PrinterObject] <CimInstance> [-ID] <UInt32> [-CimSession  
    <CimSession[]>] [-ThrottleLimit <Int32>] [-Confirm] [-WhatIf]  
  
    [<CommonParameters>]
```

Description

The Resume-PrintJob cmdlet resumes a suspended print job on the specified printer. The Resume-PrintJob cmdlet has no effect if any print job is running.

You can specify the print job to resume by specifying the PrinterName and ID parameters, by specifying the printer object and job ID parameter, or by specifying the print job object as an input.

You cannot use wildcard characters with Resume-PrintJob.

Parameters

Parameter :**CimSession**

Description :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 or Get-

CimSession 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

Parameter :**ComputerName**

Description :Specifies the name of the computer on which to resume the print job.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter :**ID**

Description :Specifies the ID of the print job to resume on the specified printer. You can use wildcard characters.

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

Parameter :**PrinterName**

Description :Specifies the name of the printer on which to resume the print job.

Required	true
Position	2
Default value	none
Accept pipeline input?	True (ByValue, ByPropertyName)
Accept wildcard characters?	false

Parameter :**PrinterObject**

Description :Specifies the object which contains the printer on which to resume the print job.

Required	true
Position	1
Default value	none
Accept pipeline input?	True (ByValue, ByPropertyName)
Accept wildcard characters?	false

Parameter :**ThrottleLimit**

Description :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

Parameter :**Confirm**

Description :Prompts you for confirmation before running the cmdlet.Prompts you for confirmation before running the cmdlet.

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

Parameter :**WhatIf**

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

Inputs

This cmdlet accepts one print job object.

Type :

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

Outputs

This cmdlet produces no output.

Type :

Examples

Example 1: Resume a suspended print job

This command resumes the print job with an ID of 1, which was suspended on the printer named PrinterName.

```
PS C:\> Resume-PrintJob - PrinterName "PrinterName" -ID 1
```

Example 2: Resume a print job using a printer object and job ID

The first command gets a printer named PrinterName by using the Get-Printer cmdlet.

The command stores the result in the \$Printer variable.

The second command resumes the print job that has the ID 1 on the printer in \$Printer.

```
PS C:\> $Printer = Get-Printer -PrinterName "PrinterName"
PS C:\> Resume-PrintJob -PrinterObject $Printer -ID 1
```

Example 3: Resume a print job using a job object

The first command gets a printer job that has the ID on a printer named PrinterName by using the Get-PrintJob cmdlet. The command stores the result in the \$PrintJob variable.

The second command resumes the print job in \$PrintJob.

```
PS C:\>$PrintJob = Get-PrintJob - PrinterName "PrinterName" -  
ID 1  
PS C:\> Resume-PrintJob -InputObject $PrintJob
```

Cmdlet: Set-PrintConfiguration

Synops

Sets the configuration information for the specified printer.

Syntax

```
Set-PrintConfiguration [-PrinterName] <String> [-CimSession  
    <CimSession[]>] [-Collate <Boolean>] [-Color <Boolean>] [-  
ComputerName  
    <String>] [-DuplexingMode {OneSided | TwoSidedLongEdge |  
    TwoSidedShortEdge}] [-PaperSize {Custom | Letter |  
LetterSmall | Tabloid |  
    Ledger | Legal | Statement | Executive | A3 | A4 | A4Small |  
A5 | B4 | B5  
    | Folio | Quarto | Sheet10x14 | Sheet11x17 | Note | Envelope9  
| Envelope10  
    | Envelope11 | Envelope12 | Envelope14 | CSheet | DSheet |  
ESheet |  
    EnvelopeDL | EnvelopeC5 | EnvelopeC3 | EnvelopeC4 |  
EnvelopeC6 |  
    EnvelopeC65 | EnvelopeB4 | EnvelopeB5 | EnvelopeB6 |  
EnvelopeItaly |  
    EnvelopeMonarch | EnvelopePersonal | FanfoldUS |  
FanfoldStandardGerman |  
    FanfoldLegalGerman | ISOB4 | JapanesePostcard | Sheet9x11 |  
Sheet10x11 |  
    Sheet15x11 | EnvelopeInvite | Reserved48 | Reserved49 |  
LetterExtra |  
    LegalExtra | TabloidExtra | A4Extra | LetterTransverse |  
A4Transverse |  
    LetterExtraTransverse | APlus | BPlus | LetterPlus | A4Plus |  
A5Transverse  
    | B5Transverse | A3Extra | A5Extra | B5Extra | A2 |  
A3Transverse |  
    A3ExtraTransverse | JapaneseDoublePostcard | A6 |  
JapaneseEnvelopeKaku2 |  
    JapaneseEnvelopeKaku3 | JapaneseEnvelopeChou3 |  
JapaneseEnvelopeChou4 |  
    LetterRotated | A3Rotated | A4Rotated | A5Rotated |  
B4JISRotated |
```

```

        B5JISRotated | JapanesePostcardRotated |
JapaneseDoublePostcardRotated |
        A6Rotated | JapaneseEnvelopeKaku2Rotated |
JapaneseEnvelopeKaku3Rotated |
        JapaneseEnvelopeChou3Rotated | JapaneseEnvelopeChou4Rotated |
B6JIS |
        B6JISRotated | Sheet12x11 | JapaneseEnvelopeYou4 |
        JapaneseEnvelopeYou4Rotated | PRC16K | PRC32K | PRC32KBig |
PRCEnvelope1 |
        PRCEnvelope2 | PRCEnvelope3 | PRCEnvelope4 | PRCEnvelope5 |
PRCEnvelope6 |
        PRCEnvelope7 | PRCEnvelope8 | PRCEnvelope9 | PRCEnvelope10 |
PRC16KRotated
        | PRC32KRotated | PRC32KBigRotated | PRCEnvelope1Rotated |
        PRCEnvelope2Rotated | PRCEnvelope3Rotated |
PRCEnvelope4Rotated |
        PRCEnvelope5Rotated | PRCEnvelope6Rotated |
PRCEnvelope7Rotated |
        PRCEnvelope8Rotated | PRCEnvelope9Rotated |
PRCEnvelope10Rotated}]
        [-PrintTicketXml <String>] [-ThrottleLimit <Int32>] [-
Confirm] [-WhatIf]
        [<CommonParameters>]

```

```

Set-PrintConfiguration [-CimSession <CimSession[]>] [-
ThrottleLimit
    <Int32>] [-Confirm] [-WhatIf] [<CommonParameters>]

```

```

Set-PrintConfiguration [-PrinterObject] <CimInstance> [-
CimSession
    <CimSession[]>] [-Collate <Boolean>] [-Color <Boolean>] [-
DuplexingMode
    {OneSided | TwoSidedLongEdge | TwoSidedShortEdge}] [-
PaperSize {Custom |
    Letter | LetterSmall | Tabloid | Ledger | Legal | Statement |
Executive |
    A3 | A4 | A4Small | A5 | B4 | B5 | Folio | Quarto |
Sheet10x14 |
    Sheet11x17 | Note | Envelope9 | Envelope10 | Envelope11 |
Envelope12 |

```

Envelope14 | CSheet | DSheet | ESheet | EnvelopeDL |
EnvelopeC5 |
EnvelopeC3 | EnvelopeC4 | EnvelopeC6 | EnvelopeC65 |
EnvelopeB4 |
EnvelopeB5 | EnvelopeB6 | EnvelopeItaly | EnvelopeMonarch |
EnvelopePersonal | FanfoldUS | FanfoldStandardGerman |
FanfoldLegalGerman
| ISOB4 | JapanesePostcard | Sheet9x11 | Sheet10x11 |
Sheet15x11 |
EnvelopeInvite | Reserved48 | Reserved49 | LetterExtra |
LegalExtra |
TabloidExtra | A4Extra | LetterTransverse | A4Transverse |
LetterExtraTransverse | APlus | BPlus | LetterPlus | A4Plus |
A5Transverse
| B5Transverse | A3Extra | A5Extra | B5Extra | A2 |
A3Transverse |
A3ExtraTransverse | JapaneseDoublePostcard | A6 |
JapaneseEnvelopeKaku2 |
JapaneseEnvelopeKaku3 | JapaneseEnvelopeChou3 |
JapaneseEnvelopeChou4 |
LetterRotated | A3Rotated | A4Rotated | A5Rotated |
B4JISRotated |
B5JISRotated | JapanesePostcardRotated |
JapaneseDoublePostcardRotated |
A6Rotated | JapaneseEnvelopeKaku2Rotated |
JapaneseEnvelopeKaku3Rotated |
JapaneseEnvelopeChou3Rotated | JapaneseEnvelopeChou4Rotated |
B6JIS |
B6JISRotated | Sheet12x11 | JapaneseEnvelopeYou4 |
JapaneseEnvelopeYou4Rotated | PRC16K | PRC32K | PRC32KBig |
PRCEnvelope1 |
PRCEnvelope2 | PRCEnvelope3 | PRCEnvelope4 | PRCEnvelope5 |
PRCEnvelope6 |
PRCEnvelope7 | PRCEnvelope8 | PRCEnvelope9 | PRCEnvelope10 |
PRC16KRotated
| PRC32KRotated | PRC32KBigRotated | PRCEnvelope1Rotated |
PRCEnvelope2Rotated | PRCEnvelope3Rotated |
PRCEnvelope4Rotated |
PRCEnvelope5Rotated | PRCEnvelope6Rotated |
PRCEnvelope7Rotated |
PRCEnvelope8Rotated | PRCEnvelope9Rotated |
PRCEnvelope10Rotated}]

```
[-PrintTicketXml <String>] [-ThrottleLimit <Int32>] [-Confirm] [-WhatIf]
[<CommonParameters>]
```

Description

The Set-PrintConfiguration cmdlet sets the printer configuration for the specified printer. Using the Set-PrintConfiguration cmdlet, you can manage the configuration of the following features:

- Collate
- Color
- Duplexing Mode
- N-Up
- Paper Size

The Set-PrintConfiguration cmdlet also accepts print configuration objects by using the Get-PrintConfiguration cmdlet.

You cannot use wildcard characters with Set-PrintConfiguration. You can use Set-PrintConfiguration in a Windows PowerShell remoting session.

You need administrator credentials to use Set-PrintConfiguration.

Parameters

Parameter :CimSession

Description :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 or Get-CimSession 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

Parameter :Collate

Description :Specifies whether to collate the output of the printer by default.

Required	false
----------	-------

Position	named
Default value	none
Accept pipeline input?	false
Accept wildcard characters?	false

Parameter :Color

Description :Specifies whether the printer should use either color or grayscale printing by default.

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

Parameter :ComputerName

Description :Specifies the name of the computer on which the printer is located.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByValue, ByPropertyName)
Accept wildcard characters?	false

Parameter :DuplexingMode

Description :Specifies the duplexing mode the printer uses by default. The acceptable values for this parameter are:

- OneSided
- TwoSidedLongEdge
- TwoSidedShortEdge

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

Parameter :**PaperSize**

Description :Specifies the paper size the printer uses by default. For valid values, see the Syntax section.

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

Parameter :**PrintTicketXml**

Description :Specifies the print ticket XML defining the default print settings for this printer.

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

Parameter :**PrinterName**

Description :Specifies the printer on which to set the configuration information.

Required	true
Position	1
Default value	none
Accept pipeline input?	True (ByValue, ByPropertyName)
Accept wildcard characters?	false

Parameter :**PrinterObject**

Description :Specifies the object which contains the printer on which to change the configuration settings.

Required	true
Position	1

Default value	none
Accept pipeline input?	True (ByValue, ByPropertyName)
Accept wildcard characters?	false

Parameter :ThrottleLimit

Description :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

Parameter :Confirm

Description :Prompts you for confirmation before running the cmdlet.Prompts you for confirmation before running the cmdlet.

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

Parameter :WhatIf

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

Inputs

This cmdlet accepts one printer object.

Type :

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

Outputs

This cmdlet produces no output objects.

Type :

Examples

Example 1: Set the default paper size

This command sets the default paper size of the printer named Microsoft XPS Document Writer printer to A4.

```
PS C:\> Set-PrintConfiguration -PrinterName "Microsoft XPS Document Writer" -PaperSize A4
```

Example 2: Set the default paper size using print configuration object

The first command gets a printer configuration by using Get-PrintConfiguration. The command stores the result in the \$PrintConfiguration variable.

The second command assigns the value A4 to the paperSize property of \$PrintConfiguration.

The final command sets the value of the printer configuration to the modified value of \$PrintConfiguration.

```
PS C:\> $PrintConfiguration = Get-PrintConfiguration -PrinterName "Microsoft XPS Document Writer"
PS C:\> $PrintConfiguration.paperSize = A4
PS C:\> Set-PrintConfiguration -InputObject $PrintConfiguration
```

Example 3: Set the default paper size of all printers

This command gets all the printers into a variable \$Printers and then loops through all the printers and displays the properties.

```
PS C:\> $Printers = Get-Printer *
Foreach ($Printer in $Printers){
    Set-PrintConfiguration -PrinterName $Printer.name -PaperSize A4
}
```


Cmdlet: Set-Printer

Synops

Updates the configuration of an existing printer.

Syntax

```
Set-Printer [-Name] <String[]> [-BranchOfficeOfflineLogSizeMB
<UInt32>]
    [-CimSession <CimSession[]>] [-Comment <String>] [-
ComputerName <String>]
    [-Datatype <String>] [-DisableBranchOfficeLogging <Boolean>]
[-DriverName
    <String>] [-KeepPrintedJobs <Boolean>] [-Location <String>]
[-PassThru]
    [-PermissionSDDL <String>] [-PortName <String>] [-
PrintProcessor <String>]
    [-Priority <UInt32>] [-Published <Boolean>] [-RenderingMode
{SSR | CSR |
    BranchOffice}] [-SeparatorPageFile <String>] [-Shared
<Boolean>]
    [-ShareName <String>] [-StartTime <UInt32>] [-ThrottleLimit
<Int32>]
    [-UntilTime <UInt32>] [-Confirm] [-WhatIf]
[<CommonParameters>]
```

```
Set-Printer [-BranchOfficeOfflineLogSizeMB <UInt32>] [-CimSession
<CimSession[]>] [-Comment <String>] [-Datatype <String>]
[-DisableBranchOfficeLogging <Boolean>] [-DriverName
<String>]
    [-KeepPrintedJobs <Boolean>] [-Location <String>] [-PassThru]

    [-PermissionSDDL <String>] [-PortName <String>] [-
PrintProcessor <String>]
    [-Priority <UInt32>] [-Published <Boolean>] [-RenderingMode
{SSR | CSR |
    BranchOffice}] [-SeparatorPageFile <String>] [-Shared
<Boolean>]
    [-ShareName <String>] [-StartTime <UInt32>] [-ThrottleLimit
```

```
<Int32>]
    [-UntilTime <UInt32>] [-Confirm] [-WhatIf]
[<CommonParameters>]
```

Description

The Set-Printer cmdlet updates the configuration of the specified printer.

Use the KeepPrintedJobs parameter to make a printer keep printed jobs.

You can specify the printer to update by using either a printer object retrieved by the Get-Printer cmdlet, or by specifying a printer name.

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

You need administrator credentials to run Set-Printer.

Parameters

Parameter :**BranchOfficeOfflineLogSizeMB**

Description :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

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :**Comment**

Description :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

Parameter :**ComputerName**

Description :Specifies the name of the computer on which the printer is installed.

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

Parameter :**Datatype**

Description :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

Parameter :**DisableBranchOfficeLogging**

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

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

Parameter :**DriverName**

Description :Specifies the name of the printer driver for the printer.

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

Parameter :**KeepPrintedJobs**

Description :Specifies whether the printer jobs in the queue are kept.

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

Parameter :**Location**

Description :Specifies the location of the printer.

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

Parameter :**Name**

Description :Specifies the name of the printer to modify.

Required	true
Position	1
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter :**PassThru**

Description :Returns an object representing the item with which you are working. By default, this cmdlet does not generate any output.

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

Parameter :**PermissionSDDL**

Description :Specifies the permissions for the printer as an SDDL string.

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

Parameter :**PortName**

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

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

Parameter :**PrintProcessor**

Description :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

Parameter :**Priority**

Description :Specifies the relative queue priority.

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

Parameter :**Published**

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

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

Parameter :**RenderingMode**

Description :Specifies the rendering mode for the printer. The acceptable values for this parameter are:

- SSR
- CSR
- BranchOffice

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

Parameter :**SeparatorPageFile**

Description :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

Parameter :**ShareName**

Description :Specifies the name by which to share the printer on the network. To change the share state of a printer, specify the Shared parameter.

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

Parameter :**Shared**

Description :Specifies whether the printer is shared.

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

Parameter :**StartTime**

Description :Specifies the starting time of printer availability.

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

Parameter :**ThrottleLimit**

Description :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

Parameter :**UntilTime**

Description :Specifies the ending time of printer availability.

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

Parameter :**Confirm**

Description :Prompts you for confirmation before running the cmdlet.Prompts you for confirmation before running the cmdlet.

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

Parameter :**WhatIf**

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

Inputs

This cmdlet accepts one printer object.

Type :

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

Outputs

This cmdlet returns a printer object.

Type :

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

Examples

Example 1: Set printer to keep printed jobs

This command configures the Microsoft XPS Document Writer printer to keep printed jobs.

```
PS C:\> Set-Printer -Name "Microsoft XPS Document Writer" -KeepPrintedJobs $True
```

Example 2: Set printer to keep printed jobs by using a printer object

The first command gets the printer named Microsoft XPS Document Writer by using the Get-Printer cmdlet. The command stores the result in the \$Printer variable.

The second command assigns a value of \$True to the KeepPrintedJobs property of the \$Printer object.

The final command sets the value of revised value of \$Printer.

```
PS C:\> $Printer = Get-Printer -Name "Microsoft XPS Document Writer"
PS C:\> $Printer.KeepPrintedJobs = $True
PS C:\> Set-Printer -InputObject $Printer
```

Cmdlet: Set-PrinterProperty

Synops

Modifies the printer properties for the specified printer.

Syntax

```
Set-PrinterProperty [-CimSession <CimSession[]>] [-ThrottleLimit  
<Int32>]  
    [-Confirm] [-WhatIf] [<CommonParameters>]
```

```
Set-PrinterProperty [-PrinterName] <String> [-PropertyName]  
<String>  
    [-Value] <String> [-CimSession <CimSession[]>] [-ComputerName  
<String>]  
    [-ThrottleLimit <Int32>] [-Confirm] [-WhatIf]  
    [<CommonParameters>]
```

```
Set-PrinterProperty [-PrinterObject] <CimInstance> [-  
PropertyName]  
    <String> [-Value] <String> [-CimSession <CimSession[]>] [-  
ThrottleLimit  
    <Int32>] [-Confirm] [-WhatIf] [<CommonParameters>]
```

Description

The Set-PrinterProperty cmdlet modifies the printer properties for the specified printer.

You cannot use wildcard characters with Set-PrinterProperty. You can use Set-PrinterProperty in a Windows PowerShell remoting session.

You need administrator credentials to run Set-PrinterProperty.

Parameters

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :**ComputerName**

Description :Specifies the computer name for which to modify the printer properties.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByValue, ByPropertyName)
Accept wildcard characters?	false

Parameter :**PrinterName**

Description :Specifies the name of the printer for which to modify the properties.

Required	true
Position	1
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter :**PrinterObject**

Description :Specifies the printer object for which to update the printer properties.

Required	true
Position	1
Default value	none
Accept pipeline input?	True (ByValue, ByPropertyName)
Accept wildcard characters?	false

Parameter :**PropertyName**

Description :Specifies the property name to update.

Required	true
Position	2
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter :**ThrottleLimit**

Description :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

Parameter :**Value**

Description :Specifies the new value of the printer property.

Required	true
Position	3
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter :**Confirm**

Description :Prompts you for confirmation before running the cmdlet.Prompts you for confirmation before running the cmdlet.

Required	false
Position	named
Default value	false

Accept pipeline input?	false
Accept wildcard characters?	false

Parameter :**WhatIf**

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

Inputs

This cmdlet accepts one printer object.

Type :

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

Outputs

This cmdlet produces no output.

Type :

Cmdlet: Suspend-PrintJob

Synops

Suspends a print job on the specified printer.

Syntax

```
Suspend-PrintJob [-PrinterName] <String> [-ID] <UInt32> [-CimSession  
    <CimSession[]>] [-ComputerName <String>] [-ThrottleLimit  
<Int32>]  
    [-Confirm] [-WhatIf] [<CommonParameters>]
```

```
Suspend-PrintJob [-CimSession <CimSession[]>] [-ThrottleLimit  
<Int32>]  
    [-Confirm] [-WhatIf] [<CommonParameters>]
```

```
Suspend-PrintJob [-PrinterObject] <CimInstance> [-ID] <UInt32>  
    [-CimSession <CimSession[]>] [-ThrottleLimit <Int32>] [-  
Confirm] [-WhatIf]  
    [<CommonParameters>]
```

Description

The Suspend-PrintJob cmdlet suspends a print job on the specified printer. Use the Resume-PrintJob cmdlet to resume the suspended print job.

You can specify the print job to suspend by specifying the PrinterName and job ID parameters, specifying a printer object and the job ID parameter, or by specifying a print job object as an input.

You cannot use wildcard characters with Suspend-PrintJob. You can use Suspend-PrintJob in a Windows PowerShell remoting session.

You do not need administrator credentials to run Suspend-PrintJob.

Parameters

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :ComputerName

Description :Specifies the name of the computer on which to suspend a print job.

Required	false
Position	named
Default value	none
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

Parameter :ID

Description :Specifies the ID of the print job to suspend on the specified printer. You can use wildcard characters.

Required	true
Position	2
Default value	none
Accept pipeline input?	false
Accept wildcard characters?	false

Parameter :PrinterName

Description :Specifies a printer name on which to suspend the print job.

Required	true
Position	1
Default value	none
Accept pipeline input?	True (ByValue, ByPropertyName)
Accept wildcard characters?	false

Parameter :**PrinterObject**

Description :Specifies the object which contains the printer on which to suspend the print job.

Required	true
Position	1
Default value	none
Accept pipeline input?	True (ByValue, ByPropertyName)
Accept wildcard characters?	false

Parameter :**ThrottleLimit**

Description :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

Parameter :**Confirm**

Description :Prompts you for confirmation before running the cmdlet.Prompts you for confirmation before running the cmdlet.

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

Parameter :**WhatIf**

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

Inputs

This cmdlet accepts one print job object.

Type :

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

Outputs

This cmdlet produces no output.

Type :

Examples

Example 1: Suspend a specific print job

This command suspends the print job that has an ID of 1 on the printer named PrinterName.

```
PS C:\> Suspend-PrintJob -PrinterName "PrinterName" -ID 1
```

Example 2: Suspend a print job using a printer object and print job ID

The first command gets a printer named PrinterName by using the Get-Printer cmdlet. The command stores the result in the \$Printer variable.

The second command suspends the print job that an ID of 1 on the printer stored in \$Printer.

```
PS C:\> $Printer = Get-Printer -Name "PrinterName"
PS C:\> Suspend-PrintJob -PrinterObject $Printer -ID 1
```

Example 3: Suspend a print job using a print job object

The first command gets a print job that has the ID 1 on the printer named PrinterName by

using the Get-PrintJob. The command stores the result in the \$PrintJob variable.

The second command suspends the print job in \$PrintJob.

```
PS C:\>$PrintJob = Get-PrintJob -PrinterName "PrinterName" -ID  
1  
PS C:\> Suspend-PrintJob -InputObject $PrintJob
```

Cmdlet: Write-PrinterNfcTag

Synops

Writes printer connection data to an NFC tag.

Syntax

```
Write-PrinterNfcTag [-CimSession <CimSession[]>] [-ThrottleLimit  
<Int32>]  
    [<CommonParameters>]
```

```
Write-PrinterNfcTag [[-SharePath] <String[]>] [[-WsdAddress]  
<String[]>]  
    [[-Lock]] [-CimSession <CimSession[]>] [-ThrottleLimit  
<Int32>]  
    [<CommonParameters>]
```

Description

The Write-PrinterNfcTag cmdlet writes a near field communication (NFC) tag with printer connection data. You can use NFC tags to program shared printers and Web Services for Devices (WSD) printers. If multiple print shares or WSD device addresses support the same device, the cmdlet writes the NFC tag in the order of the print shares or WSD device addresses that you specify. This cmdlet requires that the system have an NFC radio available.

Specify the printer connection data for this cmdlet by specifying the paths of shared printers or the IP addresses WSD printers, or by using the InputObject parameter to specify a printer object as input to this cmdlet.

Parameters

Parameter :**CimSession**

Description :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 or Get-CimSession 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

Parameter :Lock

Description :Indicates that the NFC tags cannot be modified after you write the NFC tags. You cannot unlock a locked NFC tag.

Required	false
Position	3
Default value	none
Accept pipeline input?	True (ByValue)
Accept wildcard characters?	false

Parameter :SharePath

Description :Specifies an array of paths of shared printers. Use the following format: \\printServer\shareName. The cmdlet writes the path of the shared printers to an NFC tag.

Required	false
Position	1
Default value	none
Accept pipeline input?	True (ByValue)
Accept wildcard characters?	false

Parameter :ThrottleLimit

Description :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

Parameter :**WsdAddress**

Description :Specifies an array of IP addresses of WSD printers. The cmdlet writes the IP addresses of the of WSD printers to a printer NFC tag. The acceptable values for this parameter are: an IPv4 or IPv6 IP address or any value that resolves to an IP address, such as a fully qualified domain name (FQDN) or Hostname.

Required	false
Position	2
Default value	none
Accept pipeline input?	True (ByValue)
Accept wildcard characters?	false

Inputs

Type :

Outputs

Type :

Examples

Example 1: Write printer connection data to an NFC tag

This command writes printer connection data to an NFC tag for the specified shared printers and the WSD printer that has the host name PrinterHost01.

```
PS C:\>Write- PrinterNfcTag -SharePath  
"\\ServerName\PrinterName01", "\\AlternateServerName\PrinterNam  
e02" -WsdAddress "PrinterHost01"
```

Example 2: Copy an NFC tag

This command uses the Read-PrinterNfcTag cmdlet to read the printer connection data from the next NFC tag that someone taps against the NFC reader. The command passes the printer connection data to the next cmdlet by using the pipeline operator. The command then writes the printer connection data to an NFC tag when a user taps the tag against the NFC radio.

```
PS C:\>Read-PrinterNfcTag | Write-PrinterNfcTag
```

