

Clear-EventLog (Microsoft.PowerShell.Management) - PowerShell

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Clears all entries from specified event logs on the local or remote computers.

Syntax

Default (Default)

```
Clear-EventLog
  [-LogName] <String[]>
  [[-ComputerName] <String[]>]
  [-WhatIf]
  [-Confirm]
  [<CommonParameters>]
```

Description

The `Clear-EventLog` cmdlet deletes all of the entries from the specified event logs on the local computer or on remote computers. To use `Clear-EventLog`, you must be a member of the Administrators group on the affected computer.

The cmdlets that contain the `EventLog` noun (the `EventLog` cmdlets) work only on classic event logs. To get events from logs that use the Windows Event Log technology in Windows Vista and later versions of Windows, use the `Get-WinEvent` cmdlet.

Examples

Example 1: Clear specific event log types from the local computer

```
Clear-EventLog "Windows PowerShell"
```

This command clears the entries from the Windows PowerShell event log on the local computer.

Example 2: Clear specific multiple log types from the local and remote computers

```
Clear-EventLog -LogName ODiag, OSession -ComputerName localhost, Server02
```

This command clears all of the entries in the Microsoft Office Diagnostics (ODiag) and Microsoft Office Sessions (OSession) logs on the local computer and the Server02 remote computer.

Example 3: Clear all logs on the specified computers then display the event log list

```
Clear-EventLog -LogName Application, System -Confirm
```

This command prompts you for confirmation before deleting the entries in the specified event logs.

Example 4: Clear all logs on the specified computers then display the event log list

```
function clear-all-event-logs ($ComputerName="localhost")
{
    $logs = Get-EventLog -ComputerName $ComputerName -List | ForEach-Object {$_.Log}
    $logs | ForEach-Object {Clear-EventLog -ComputerName $ComputerName -LogName $_ }
    Get-EventLog -ComputerName $ComputerName -List
}

clear-all-event-logs -ComputerName Server01
```

Max(K)	Retain	OverflowAction	Entries	Log
15,168	0	OverwriteAsNeeded	0	Application
15,168	0	OverwriteAsNeeded	0	DFS Replication
512	7	OverwriteOlder	0	DxStudio
20,480	0	OverwriteAsNeeded	0	Hardware Events
512	7	OverwriteOlder	0	Internet Explorer
20,480	0	OverwriteAsNeeded	0	Key Management Service
16,384	0	OverwriteAsNeeded	0	Microsoft Office Diagnostics
16,384	0	OverwriteAsNeeded	0	Microsoft Office Sessions
30,016	0	OverwriteAsNeeded	1	Security
15,168	0	OverwriteAsNeeded	2	System
15,360	0	OverwriteAsNeeded	0	Windows PowerShell

This function clears all event logs on the specified computers and then displays the resulting event log list.

Notice that a few entries were added to the System and Security logs after the logs were cleared but before they were displayed.

Parameters

-ComputerName

Specifies a remote computer. The default is the local computer.

Type the NetBIOS name, an Internet Protocol (IP) address, or a fully qualified domain name of a remote computer. To specify the local computer, type the computer name, a dot (.), or localhost .

This parameter does not rely on Windows PowerShell remoting. You can use the **ComputerName** parameter of `Get-EventLog` even if your computer is not configured to run remote commands.

Parameter properties

Type:	String[]
Default value:	Local computer
Supports wildcards:	False
DontShow:	False
Aliases:	Cn

Parameter sets

▼ (All)

Position:	1
Mandatory:	False
Value from pipeline:	False
Value from pipeline by property name:	True
Value from remaining arguments:	False

-Confirm

Prompts you for confirmation before running the cmdlet.

Parameter properties

Type:	SwitchParameter
Default value:	False
Supports wildcards:	False
DontShow:	False
Aliases:	cf

Parameter sets

▼ (All)

Position:	Named
Mandatory:	False
Value from pipeline:	False
Value from pipeline by property name:	False
Value from remaining arguments:	False

-LogName

Specifies the event logs. Enter the log name (the value of the **Log** property not the **LogDisplayName**) of one or more event logs, separated by commas. Wildcard characters are not permitted. This parameter is required.

Important

This parameter is supposed to accept values from the pipeline by property name. However, there is a bug that prevents this from working. You must pass a value using the parameter directly.

Parameter properties

Type:	String[]
Default value:	None
Supports wildcards:	False
DontShow:	False
Aliases:	LN

Parameter sets

▼ (All)

Position:	0
Mandatory:	True
Value from pipeline:	False
Value from pipeline by property name:	True
Value from remaining arguments:	False

-WhatIf

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

Parameter properties

Type:	SwitchParameter
Default value:	False
Supports wildcards:	False
DontShow:	False
Aliases:	wi

Parameter sets

▼ (All)

Position:	Named
Mandatory:	False
Value from pipeline:	False
Value from pipeline by property name:	False
Value from remaining arguments:	False

CommonParameters

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutBuffer, -OutVariable, -PipelineVariable, -ProgressAction, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about CommonParameters](#).

Inputs

None

You cannot pipe objects to `Clear-EventLog` .

Outputs

None

This cmdlet does not generate any output.

Notes

- To use `Clear-EventLog` on Windows Vista and later versions of Windows, start Windows PowerShell with the **Run as administrator** option.
- [Get-EventLog](#)
- [Limit-EventLog](#)
- [New-EventLog](#)
- [Remove-EventLog](#)
- [Show-EventLog](#)
- [Write-EventLog](#)

Source: <https://docs.microsoft.com/powershell/module/microsoft.powershell.management/clear-eventlog>