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Windows PowerShell Get-Help on Cmdlet 'Clear-PcsvDeviceLog'

PS:\>Get-HELP Clear-PcsvDeviceLog -Full

NAME

   Clear-PcsvDeviceLog

SYNOPSIS

   Clears the System Event Log for a PCSV device.

SYNTAX

   Clear-PcsvDeviceLog [-TargetAddress] <String> [-Credential] <PSCredential> [-ManagementProtocol] {WSMan | IPMI}
[[-Port] <UInt16>] [-AsJob] [-Authentication {Default

      | Basic | Digest}]   [-CimSession   <CimSession[]>]   [-Confirm]   [-PassThru]   [-SkipCACheck]   [-SkipCNCheck]
[-SkipRevocationCheck] [-ThrottleLimit <Int32>] [-TimeoutSec

   <UInt32>] [-UseSSL] [-WhatIf] [<CommonParameters>]

   Clear-PcsvDeviceLog [-AsJob] [-CimSession <CimSession[]>] [-Confirm] -InputObject <CimInstance[]> [-PassThru]
[-ThrottleLimit <Int32>] [-WhatIf] [<CommonParameters>]

      Clear-PcsvDeviceLog   [-AsJob]   [-CimSession   <CimSession[]>]   [-Confirm]   [-PassThru]   [-ThrottleLimit   <Int32>]
[-TimeoutSec <UInt32>] [-WhatIf] [<CommonParameters>]

DESCRIPTION

The Clear-PcsvDeviceLog cmdlet clears the System Event Log for a Physical Computer System View (PCSV) device. This cmdlet currently supports devices that use the

Intelligent Platform Management Interface (IPMI) protocol. You can use this cmdlet for both in-band and out-of-band connections. To use this cmdlet with an in-band

connection, you must have elevated privileges.

PARAMETERS

-AsJob [<SwitchParameter>]

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

Required?   false

Position?   named

Default value   False

Accept pipeline input?   False

Accept wildcard characters? false

-Authentication <Authentication>

Specifies an authentication method to use for devices managed by WS-Management. Do not specify this parameter for devices managed by using IPMI. The acceptable

values for this parameter are:

- Basic

- Digest

- Default

Required?   false

Position?   named

Default value   None

Accept pipeline input?   True (ByPropertyName)

Accept wildcard characters? false

-CimSession <CimSession[]>

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

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

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

on the local computer.

Required?   false

Position?   named

Default value   None

Accept pipeline input?   False

Accept wildcard characters? false

-Confirm [<SwitchParameter>]

Prompts you for confirmation before running the cmdlet.

Required?   false

Position?   named

Default value   False

Accept pipeline input?   False

Accept wildcard characters? false

-Credential <PSCredential>

Specifies a PSCredential object based on a user name and password. To obtain a PSCredential object, use the Get-Credential cmdlet. For more information, type

`Get-Help Get-Credential`. For IPMI devices, specify credentials that correspond to a user with Administrator privileges on the device.

Required?   true

Position?   2

Default value   None

Accept pipeline input?   True (ByPropertyName)

Accept wildcard characters? false

-InputObject <CimInstance[]>

Specifies the input object that is used in a pipeline command.

Required?   true

Position?   named

Default value   None

Accept pipeline input?   True (ByValue)

Accept wildcard characters? false

-ManagementProtocol <ManagementProtocol>

Specifies a management protocol used to communicate with a device. The acceptable values for this parameter are:

- WSMAN

- IPMI

This cmdlet currently supports only devices that use the IPMI protocol.

Required?   true

Position?   3

Default value   None

Accept pipeline input?   True (ByPropertyName)

Accept wildcard characters? false

-PassThru [<SwitchParameter>]

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   False

Accept pipeline input?   False

Accept wildcard characters? false

  -Port <UInt16>

     Specifies a port on the remote computer to use for the management connection. If you do not specify a port, the cmdlet

uses the following default ports:

     - IPMI and WSMAN over HTTP. Port 623. - WSMAN over HTTPS. Port 664.

     Required?   false

     Position?   4

     Default value   None

     Accept pipeline input?   True (ByPropertyName)

     Accept wildcard characters? false

  -SkipCACheck [<SwitchParameter>]

      Indicates that the client connects by using HTTPS without validating that a trusted certification authority (CA) signed

the server certificate. Do not specify

     this parameter if you specify a value of IPMI for the ManagementProtocol parameter.

     Do not specify this parameter unless you can establish trust in another way, such as if the remote computer is part of a

network that is physically secure and

     isolated, or if the remote computer is a trusted host in a Windows Remote Management (WinRM) configuration.

     Required?   false

     Position?   named

     Default value   False

     Accept pipeline input?   True (ByPropertyName)

     Accept wildcard characters? false

-SkipCNCheck [<SwitchParameter>]

Indicates that the certificate common name (CN) of the server does not need to match the host name of the server. Do not specify this parameter if you specify a

value of IPMI for the ManagementProtocol parameter.

Specify this parameter only for managing devices by using WSMAN over HTTPS. Be sure to specify this parameter only for trusted computers.

Required?   false

Position?   named

Default value   False

Accept pipeline input?   True (ByPropertyName)

Accept wildcard characters? false

-SkipRevocationCheck [<SwitchParameter>]

Indicates that the cmdlet skips the revocation check of server certificates.

Be sure to specify this parameter only for trusted computers.

Required?   false

Position?   named

Default value   False

Accept pipeline input?   True (ByPropertyName)

Accept wildcard characters? false

-TargetAddress <String>

Specifies the name or IP address of the remote hardware device.

Required?   true

Position?   1

Default value   None

Accept pipeline input?   True (ByPropertyName)

Accept wildcard characters? false

-ThrottleLimit <Int32>

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

Windows PowerShellr 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

-TimeoutSec <UInt32>

Specifies how long to wait, in seconds, for a response from the remote hardware device. After this period, the cmdlet abandons the connection attempt.

Required?   false

Position?   named

Default value   None

Accept pipeline input?   True (ByPropertyName)

Accept wildcard characters? false

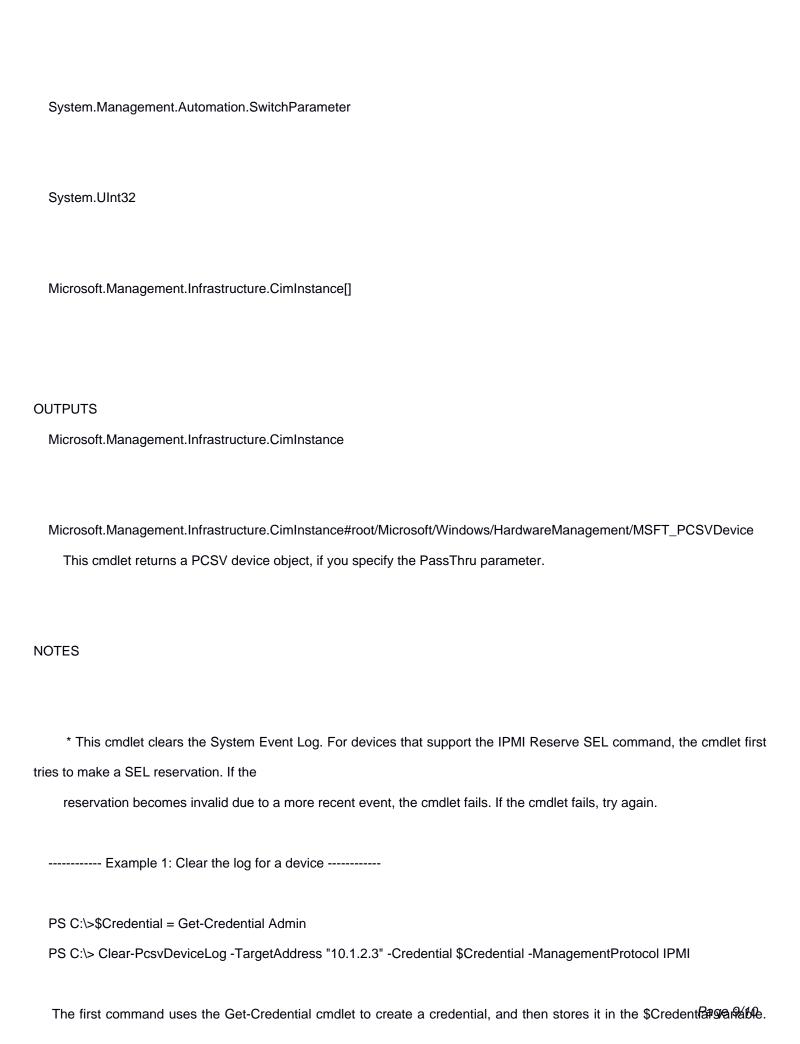-UseSSL [<SwitchParameter>]

Indicates that the server connects to the target computer by using SSL. WSMAN encrypts all content transmitted over the network. Specify this parameter to use the

additional protection of HTTPS instead of HTTP. If you specify this parameter and SSL is not available on the connection port, the command fails.

Required?   false

Position?   named

Default value   False

Accept pipeline input?   True (ByPropertyName)

Accept wildcard characters? false

-WhatIf [<SwitchParameter>]

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

Required?   false

Position?   named

Default value   False

Accept pipeline input?   False

Accept wildcard characters? false

<CommonParameters>

This cmdlet supports the common parameters: Verbose, Debug,

ErrorAction, ErrorVariable, WarningAction, WarningVariable,

OutBuffer, PipelineVariable, and OutVariable. For more information, see

about_CommonParameters (https:/go.microsoft.com/fwlink/?LinkID=113216).

INPUTS

System.String

System.Management.Automation.PSCredential

Microsoft.PowerShell.Cmdletization.GeneratedTypes.PcsvDevice.ManagementProtocol

System.UInt16

Microsoft.PowerShell.Cmdletization.GeneratedTypes.PcsvDevice.Authentication

System.Management.Automation.SwitchParameter

System.UInt32

Microsoft.Management.Infrastructure.CimInstance[]

OUTPUTS

Microsoft.Management.Infrastructure.CimInstance

Microsoft.Management.Infrastructure.CimInstance#root/Microsoft/Windows/HardwareManagement/MSFT_PCSVDevice

This cmdlet returns a PCSV device object, if you specify the PassThru parameter.

NOTES

 * This cmdlet clears the System Event Log. For devices that support the IPMI Reserve SEL command, the cmdlet first tries to make a SEL reservation. If the

reservation becomes invalid due to a more recent event, the cmdlet fails. If the cmdlet fails, try again.

------------ Example 1: Clear the log for a device ------------

PS C:\>$Credential = Get-Credential Admin

PS C:\> Clear-PcsvDeviceLog -TargetAddress "10.1.2.3" -Credential $Credential -ManagementProtocol IPMI

The first command uses the Get-Credential cmdlet to create a credential, and then stores it in the $Credential variable.

The cmdlet prompts you for a user name and

password. For more information, type `Get-Help Get-Credential`.

The second command clears the System Event Log for the device that has the specified IP address. The command uses the credential stored in $Credential .

- Example 2: Clear the log for a device by using the pipeline -

PS C:\>$Credential = Get-Credential Admin

PS C:\> Get-PcsvDevice -TargetAddress "10.1.2.3" -Credential $Credential -ManagementProtocol IPMI | Clear-PcsvDeviceLog

The first command uses Get-Credential to create a credential, and then stores it in the $Credential variable.

The second command uses the Get-PcsvDevice cmdlet to get the device that has the specified IP address. That cmdlet uses the credential stored in $Credential . The

command passes that device to the current cmdlet by using the pipeline operator. The current cmdlet clears the System Event Log on that device.

RELATED LINKS

Online   Version: https://learn.microsoft.com/powershell/module/pcsvdevice/clear-pcsvdevicelog?view=windowsserver2022-ps&wt.mc_id=ps-gethelp

Get-PcsvDeviceLog

Get-PcsvDevice