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PowerShell Get-Help on command 'Clear-PcsvDeviceLog'

PS C:\Users\wahid> Get-Help Clear-PcsvDeviceLog

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.

-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

-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.

-Confirm [<SwitchParameter>]

Prompts you for confirmation before running the cmdlet.

-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.

-InputObject <CimInstance[]>

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

-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.

-PassThru [<SwitchParameter>]

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

-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.

-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.

-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.

-SkipRevocationCheck [<SwitchParameter>]

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

Be sure to specify this parameter only for trusted computers.

-TargetAddress <String>

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

-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.

-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.

-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.

-WhatIf [<SwitchParameter>]

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

<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).

---------- 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.

REMARKS

To see the examples, type: "get-help Clear-PcsvDeviceLog -examples".
For more information, type: "get-help Clear-PcsvDeviceLog -detailed".
For technical information, type: "get-help Clear-PcsvDeviceLog -full".
For online help, type: "get-help Clear-PcsvDeviceLog -online"