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PowerShell Get-Help on command 'Get-EtwTraceProvider'

PS C:\Users\wahid> Get-Help Get-EtwTraceProvider

NAME

Get-EtwTraceProvider

SYNOPSIS

Enumerates existing AutoLogger session configurations.

SYNTAX

Get-EtwTraceProvider [[-Guid] <String[]>] [-AsJob] [-AutologgerName <String[]>] [-CimSession <CimSession[]>] [-ThrottleLimit <Int32>] [<CommonParameters>]

Get-EtwTraceProvider [[-Guid] <String[]>] [-AsJob] [-CimSession <CimSession[]>] [-SessionName <String[]>] [-ThrottleLimit <Int32>] [<CommonParameters>]

DESCRIPTION

The Get-EtwTraceProvider cmdlet enumerates existing AutoLogger session configurations.

PARAMETERS

-AsJob [<SwitchParameter>]

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

The cmdlet immediately returns an object that represents the job and then displays the command prompt. You can continue to work in the session while the job completes. To manage the job, use the `*-Job` cmdlets. To get the job results, use the Receive-Job (https://go.microsoft.com/fwlink/?LinkID=113372)cmdlet.

For more information about Windows PowerShell background jobs, see about_Jobs (https://go.microsoft.com/fwlink/?LinkID=113251).

-AutologgerName <String[]>

Specifies the name of the target AutoLogger session.

-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.

-Guid <String[]>

Specifies the provider ID.

-SessionName <String[]>

Specifies the name of the target ETW session.

-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.

<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: View all available trace providers --------

PS C:\> Get-NetEventProvider -ShowInstalled | Select-Object -Property *

This command obtains a list of all available ETW trace providers and their
GUIDs on the current computer by using the Get-NetEventProvider cmdlet. For
more information, type `Get-Help Get-NetEventProvider`.
------ Example 2: Get trace providers for an ETW session ------

PS C:\> Get-EtwTraceProvider -SessionName "NtfsLog"
SessionName : NtfsLog
AutologgerName :
Guid : {9C88041D-349D-4647-8BFD-2C0A167BFE58}
Level : 4
MatchAnyKeyword : 0xFFFFFFFFFFFFFFFF
MatchAllKeyword : 0x0
Property : 0

SessionName : NtfsLog
AutologgerName :
Guid : {5EEFEBDB-E90C-423A-8ABF-0241E7C5B87D}

Level : 0

MatchAnyKeyword : 0x0

MatchAllKeyword : 0x0

Property : 0

This command gets all trace providers for the ETW session named NtfsLog.

Example 3: Get trace providers for an AutoLogger configuration

PS C:\> Get-EtwTraceProvider -AutologgerName "WdiContextLog"

SessionName :

AutologgerName : WdiContextLog

Guid : 1D75856D-36A7-4ECB-A3F5-B13152222D29

Level : 0

MatchAnyKeyword : 0x0

MatchAllKeyword : 0x0

Property : 0

SessionName :

AutologgerName : WdiContextLog

Guid : {1D75856D-36A7-4ECB-A3F5-B13152222D29}

Level : 0

MatchAnyKeyword : 0x0

MatchAllKeyword : 0x0

Property : 0

This command gets all trace providers for the AutoLogger configuration named WdiContextLog.

REMARKS

To see the examples, type: "get-help Get-EtwTraceProvider -examples".

For more information, type: "get-help Get-EtwTraceProvider -detailed".

For technical information, type: "get-help Get-EtwTraceProvider -full".

For online help, type: "get-help Get-EtwTraceProvider -online"