



python



PowerShell

FPDF Library
PDF generator

Full credit is given to the above companies including the OS that this PDF file was generated!

PowerShell Get-Help on command 'Set-TraceSource'

PS C:\Users\wahid> Get-Help Set-TraceSource

NAME

Set-TraceSource

SYNOPSIS

Configures, starts, and stops a trace of PowerShell components.

SYNTAX

```
Set-TraceSource [-Name] <System.String[]> [[-Option] {None | Constructor |  
Dispose | Finalizer | Method | Property | Delegates | Events | Exception |  
Lock | Error | Errors | Warning | Verbose | WriteLine | Data | Scope |  
ExecutionFlow | Assert | All}] [-Debugger] [-FilePath <System.String>]  
[-Force] [-ListenerOption {None | LogicalOperationStack | DateTime | Timestamp  
| ProcessId | ThreadId | Callstack}] [-PassThru] [-PSHost] [<CommonParameters>]
```

```
Set-TraceSource [-Name] <System.String[]> [-RemoveFileListener  
<System.String[]>] [<CommonParameters>]
```

```
Set-TraceSource [-Name] <System.String[]> [-RemoveListener <System.String[]>]  
[<CommonParameters>]
```

DESCRIPTION

The `Set-TraceSource` cmdlet configures, starts, and stops a trace of a PowerShell component. You can use it to specify which components will be traced and where the tracing output is sent.`

PARAMETERS

`-Debugger <System.Management.Automation.SwitchParameter>`

Indicates that the cmdlet sends the trace output to the debugger. You can view the output in any user-mode or kernel mode debugger or in Microsoft Visual Studio. This parameter also selects the default trace listener.

`-FilePath <System.String>`

Specifies a file that this cmdlet sends the trace output to. This parameter also selects the file trace listener. If you use this parameter to start the trace, use the `RemoveFileListener` parameter to stop the trace.

`-Force <System.Management.Automation.SwitchParameter>`

Indicates that the cmdlet overwrites a read-only file. Use with the `FilePath` parameter.

`-ListenerOption <System.Diagnostics.TraceOptions>`

Specifies optional data to the prefix of each trace message in the output. The acceptable values for this parameter are:

- `None``

- `LogicalOperationStack``

- `DateTime``

- `Timestamp``

- `ProcessId`

- `ThreadId`

- `Callstack`

`None` is the default.

These values are defined as a flag-based enumeration. You can combine multiple values together to set multiple flags using this parameter. The values can be passed to the ListenerOption parameter as an array of values or as a comma-separated string of those values. The cmdlet will combine the values using a binary-OR operation. Passing values as an array is the simplest option and also allows you to use tab-completion on the values.

-Name <System.String[]>

Specifies which components are traced. Enter the name of the trace source of each component. Wildcards are permitted.

-Option <System.Management.Automation.PSTraceSourceOptions>

Specifies the type of events that are traced. The acceptable values for this parameter are:

- `None`

- `Constructor`

- `Dispose`

- `Finalizer`

- `Method`
- `Property`
- `Delegates`
- `Events`
- `Exception`
- `Lock`
- `Error`
- `Errors`
- `Warning`
- `Verbose`
- `WriteLine`
- `Data`
- `Scope`
- `ExecutionFlow`
- `Assert`
- `All`

`All` is the default.

The following values are combinations of other values:

- `ExecutionFlow`: `Constructor`, `Dispose`, `Finalizer`, `Method`,

`Delegates`, `Events`, `Scope`

- `Data`: `Constructor`, `Dispose`, `Finalizer`, `Property`, `Verbose`,

`WriteLine`

- `Errors`: `Error`, `Exception`

These values are defined as a flag-based enumeration. You can combine multiple values together to set multiple flags using this parameter. The values can be passed to the Option parameter as an array of values or as a comma-separated string of those values. The cmdlet will combine the values using a binary-OR operation. Passing values as an array is the simplest option and also allows you to use tab-completion on the values.

-PassThru <System.Management.Automation.SwitchParameter>

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

-PSHost <System.Management.Automation.SwitchParameter>

Indicates that this cmdlet sends the trace output to the PowerShell host.

This parameter also selects the PSHost trace listener.

-RemoveFileListener <System.String[]>

Stops the trace by removing the file trace listener associated with the specified file. Enter the path and file name of the trace output file.

-RemoveListener <System.String[]>

Stops the trace by removing the trace listener.

Use the following values with RemoveListener :

- To remove PSHost (console), type `Host`.
- To remove Debugger, type `Debug`.
- To remove all trace listeners, type `*`.

To remove the file trace listener, use the RemoveFileListener parameter.

<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: Trace the ParameterBinding component -----

```
Set-TraceSource -Name "ParameterBinding" -Option ExecutionFlow -PSHost  
-ListenerOption "ProcessId,TimeStamp"
```

This command starts tracing for the ParameterBinding component of PowerShell. It uses the Name parameter to specify the trace source, the Option parameter to select the `ExecutionFlow` trace events, and the PSHost parameter to select the PowerShell host listener, which sends the output to the console. The ListenerOption parameter adds the `ProcessID` and `TimeStamp` values to the trace message prefix.

----- Example 2: Stop a trace -----

Set-TraceSource -Name "ParameterBinding" -RemoveListener "Host"

This command stops the trace of the ParameterBinding component of PowerShell. It uses the Name parameter to identify the component that was being traced and the RemoveListener parameter to identify the trace listener.

REMARKS

To see the examples, type: "get-help Set-TraceSource -examples".

For more information, type: "get-help Set-TraceSource -detailed".

For technical information, type: "get-help Set-TraceSource -full".

For online help, type: "get-help Set-TraceSource -online"