



python



PowerShell

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PowerShell Get-Help on command 'Get-Event'

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

NAME

Get-Event

SYNOPSIS

Gets the events in the event queue.

SYNTAX

Get-Event [-EventIdentifier] <System.Int32> [<CommonParameters>]

Get-Event [[-SourceIdentifier] <System.String>] [<CommonParameters>]

DESCRIPTION

The `Get-Event` cmdlet gets events in the PowerShell event queue for the current session. You can get all events or use the EventIdentifier or SourceIdentifier parameter to specify the events.

When an event occurs, it is added to the event queue. The event queue includes events for which you have registered, events created by using the `New-Event` cmdlet, and the event that is raised when PowerShell exits. You can use

`Get-Event` or `Wait-Event` to get the events.

This cmdlet does not get events from the Event Viewer logs. To get those events, use `Get-WinEvent` or `Get-EventLog`.

PARAMETERS

`-EventIdentifier <System.Int32>`

Specifies the event identifiers for which this cmdlet gets events.

`-SourceIdentifier <System.String>`

Specifies source identifiers for which this cmdlet gets events. The default is all events in the event queue. Wildcards are not permitted.

`<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: Get all events -----

```
PS C:\> Get-Event
```

This command gets all events in the event queue.

----- Example 2: Get events by source identifier -----

```
PS C:\> Get-Event -SourceIdentifier "PowerShell.ProcessCreated"
```

This command gets events in which the value of the `SourceIdentifier` property is `PowerShell.ProcessCreated`.

-- Example 3: Get an event based on the time it was generated --

```
PS C:\> $Events = Get-Event
```

```
PS C:\> $Events[0] | Format-List -Property *
```

```
ComputerName :
```

```
RunspaceId : c2153740-256d-46c0-a57c-b805917d1b7b
```

```
EventIdentifier : 1
```

```
Sender : System.Management.ManagementEventWatcher
```

```
SourceEventArgs : System.Management.EventArrivedEventArgs
```

```
SourceArgs : {System.Management.ManagementEventWatcher,  
System.Management.EventArrivedEventArgs}
```

```
SourceIdentifier : ProcessStarted
```

```
TimeGenerated : 11/13/2008 12:09:32 PM
```

```
MessageData : PS C:\> Get-Event | Where {$_.TimeGenerated -ge "11/13/2008  
12:15:00 PM"}
```

```
ComputerName :
```

```
RunspaceId : c2153740-256d-46c0-a57c-b8059325d1a0
```

```
EventIdentifier : 1
```

```
Sender : System.Management.ManagementEventWatcher
```

```
SourceEventArgs : System.Management.EventArrivedEventArgs
```

```
SourceArgs : {System.Management.ManagementEventWatcher,  
System.Management.EventArrivedEventArgs}
```

```
SourceIdentifier : ProcessStarted
```

```
TimeGenerated : 11/13/2008 12:15:00 PM
```

```
MessageData :
```

This example shows how to get events by using properties other than SourceIdentifier.

The first command gets all events in the event queue and saves them in the ``$Events`` variable.

The second command uses array notation to get the first (0-index) event in the array in the ``$Events`` variable. The command uses a pipeline operator (`|`) to send the event to the ``Format-List`` command, which displays all properties of

the event in a list. This allows you to examine the properties of the event object.

The third command shows how to use the `Where-Object` cmdlet to get an event based on the time that it was generated.

----- Example 4: Get an event by its identifier -----

```
PS C:\> Get-Event -EventIdentifier 2
```

This command gets the event with an event identifier of 2.

REMARKS

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

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

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

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