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PowerShell

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PowerShell Get-Help on command 'New-Event'

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

NAME

New-Event

SYNOPSIS

Creates a new event.

SYNTAX

```
New-Event [-SourceIdentifier] <System.String> [[-Sender]
<System.Management.Automation.PSObject>] [[-EventArguments]
<System.Management.Automation.PSObject[]>] [[-MessageData]
<System.Management.Automation.PSObject>] [<CommonParameters>]
```

DESCRIPTION

The `New-Event` cmdlet creates a new custom event.

You can use custom events to notify users about state changes in your program and any change that your program can detect, including hardware or system conditions, application status, disk status, network status, or the completion of a background job.

Custom events are automatically added to the event queue in your session whenever they are raised; you do not need to subscribe to them. However, if you want to forward an event to the local session or specify an action to respond to the event, use the ``Register-EngineEvent`` cmdlet to subscribe to the custom event.

When you subscribe to a custom event, the event subscriber is added to your session. If you cancel the event subscription by using the ``Unregister-Event`` cmdlet, the event subscriber and custom event are deleted from the session. If you do not subscribe to the custom event, to delete the event, you must change the program conditions or close the PowerShell session.

PARAMETERS

`-EventArguments <System.Management.Automation.PSObject[]>`

Specifies an object that contains options for the event.

`-MessageData <System.Management.Automation.PSObject>`

Specifies additional data associated with the event. The value of this parameter appears in the `MessageData` property of the event object.

`-Sender <System.Management.Automation.PSObject>`

Specifies the object that raises the event. The default is the PowerShell engine.

`-SourceIdentifier <System.String>`

Specifies a name for the new event. This parameter is required, and it must be unique in the session.

The value of this parameter appears in the `SourceIdentifier` property of the events.

<CommonParameters>

This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see [about_CommonParameters \(https://go.microsoft.com/fwlink/?LinkID=113216\)](https://go.microsoft.com/fwlink/?LinkID=113216).

----- Example 1: Create a new event in the event queue -----

```
PS C:\> New-Event -SourceIdentifier Timer -Sender windows.timer -MessageData
"Test"
```

This command creates a new event in the PowerShell event queue. It uses a Windows.Timer object to send the event.

---- Example 2: Raise an event in response to another event ----

```
PS C:\> function Enable-ProcessCreationEvent
{
    $Query = New-Object System.Management.WqlEventQuery
    "__InstanceCreationEvent", (New-Object TimeSpan 0,0,1), "TargetInstance isa
'Win32_Process'"
    $ProcessWatcher = New-Object System.Management.ManagementEventWatcher $Query
    $Identifier = "WMI.ProcessCreated"
    Register-ObjectEvent $ProcessWatcher "EventArrived" -SupportEvent
$Identifier -Action
    {
        [void] (New-Event -SourceID "PowerShell.ProcessCreated" -Sender $Args[0]
-EventArguments $Args[1].SourceEventArgs.NewEvent.TargetInstance)
    }
}
```

This sample function uses the `New-Event` cmdlet to raise an event in response to another event. The command uses the `Register-ObjectEvent` cmdlet to subscribe to the Windows Management Instrumentation (WMI) event that is raised

when a new process is created. The command uses the Action parameter of the cmdlet to call the `New-Event` cmdlet, which creates the new event.

Because the events that `New-Event` raises are automatically added to the PowerShell event queue, you do not need to register for that event.

REMARKS

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

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

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

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